

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121418\
 Data File : VU028666.D
 Acq On : 13 Dec 2018 09:08
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 9:32:14 AM

Quant Time: Dec 14 05:40:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	15928	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	6356	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5938	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	60447	10.550	ug/l	99
3) Chloromethane	1.33	50	92815	9.517	ug/l	98
4) Vinyl Chloride	1.40	62	72266	10.827	ug/l	100
5) Bromomethane	1.61	94	27673	10.524	ug/l	99
6) Chloroethane	1.69	64	40987	10.519	ug/l	97
7) Trichlorofluoromethane	1.88	101	78737	10.802	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	46359	11.057	ug/l	99
9) 1,1-Dichloroethene	2.28	96	41119	10.603	ug/l	97
10) Iodomethane	2.41	142	45834	17.476	ug/l	99
11) Allyl Chloride	2.59	41	104183	10.642	ug/l	99
12) Acrylonitrile	2.94	53	26240	21.243	ug/l	97
13) Acetone	2.32	43	58289	50.920	ug/l	97
14) Carbon Disulfide	2.48	76	154369	10.480	ug/l	99
15) Methylene Chloride	2.70	84	51276	10.843	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	46712	10.763	ug/l	98
17) 1,1-Dichloroethane	3.44	63	103942	10.743	ug/l	98
18) 2-Butanone	4.28	43	95657	55.923	ug/l	99
19) Cyclohexane	4.98	56	88211	10.502	ug/l	97
20) Methylcyclohexane	6.40	83	81306	9.889	ug/l	98
21) 2,2-Dichloropropane	4.22	77	84561	10.890	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	53183	10.471	ug/l	98
23) Diethyl Ether	2.10	59	41045	10.558	ug/l	98
24) tert-Butyl Alcohol	2.84	59	41482	106.309	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	123923	10.758	ug/l	99
26) Bromochloromethane	4.54	128	19892	10.275	ug/l	95
27) Chloroform	4.67	83	91432	9.799	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	75569	10.371	ug/l	99
29) 1,1-Dichloropropene	5.13	75	71557	10.237	ug/l	99
30) Carbon Tetrachloride	5.13	117	60807	10.334	ug/l	97
31) Isopropyl Ether	3.58	45	187589	10.827	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	153080	10.727	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	120608	10.189	ug/l	99
34) Propionitrile	4.33	54	24830	57.784	ug/l #	97
35) Benzene	5.38	78	201479	9.791	ug/l	99
36) 1,2-Dichloroethane	5.40	62	63312	10.287	ug/l	100
37) Trichloroethene	6.18	130	45052	10.052	ug/l	94
38) 1,2-Dichloropropane	6.43	63	59621	10.160	ug/l	93
39) Methacrylonitrile	4.55	41	25031	10.875	ug/l	98
40) Methyl acrylate	4.42	55	33141	10.466	ug/l #	97
41) Tetrahydrofuran	4.66	42	25261	21.834	ug/l	97
42) 1-Chlorobutane	5.06	56	111006	9.990	ug/l	98

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Quant Time: Dec 14 05:40:29 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	25383	10.161	ug/l	100
44) Bromodichloromethane	6.75	83	65546	9.937	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	214289	53.405	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	31167m	21.236	ug/l	
47) Methyl methacrylate	6.63	69	54029	21.189	ug/l	99
48) Ethyl methacrylate	8.03	69	56342	11.046	ug/l	98
49) Toluene	7.63	92	120187	10.517	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	67001	10.575	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	82053	10.488	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	36752	10.479	ug/l	97
53) 1,3-Dichloropropane	8.24	76	68371	10.436	ug/l	100
54) 2-Hexanone	8.37	43	154731	53.605	ug/l	99
55) Dibromochloromethane	8.48	129	40457	10.845	ug/l	99
56) 1,2-Dibromoethane	8.58	107	34494	10.797	ug/l	97
58) Tetrachloroethene	8.22	164	41944	10.221	ug/l	96
59) Chlorobenzene	9.12	112	124005	10.428	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	44032	10.926	ug/l	97
61) Pentachloroethane	11.10	117	35646	11.367	ug/l	99
62) Hexachloroethane	12.14	117	35335	12.024	ug/l	96
63) Ethyl Benzene	9.25	91	237141	10.807	ug/l	99
64) m/p-Xylenes	9.37	106	176533	22.231	ug/l	98
65) o-Xylene	9.78	106	85865	11.206	ug/l	99
66) Styrene	9.79	104	151018	11.490	ug/l	97
67) Bromoform	9.96	173	23521	11.250	ug/l	100
69) Isopropylbenzene	10.16	105	226935	11.060	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	51996	11.052	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	32819	10.007	ug/l #	94
72) Bromobenzene	10.45	156	51232	11.249	ug/l	98
73) n-propylbenzene	10.59	120	61906	11.633	ug/l	99
74) 2-Chlorotoluene	10.66	126	53860	11.550	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	198904	11.518	ug/l	97
76) 4-Chlorotoluene	10.77	126	55362	11.710	ug/l	100
77) tert-Butylbenzene	11.10	119	188138	11.572	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	205995	11.640	ug/l	99
79) sec-Butylbenzene	11.32	105	261398	11.533	ug/l	100
80) Nitrobenzene	12.86	77	12605	59.474	ug/l	98
81) p-Isopropyltoluene	11.48	119	208191	11.559	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	105878	11.606	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	105822	11.655	ug/l	99
84) n-Butylbenzene	11.89	91	222163	11.749	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	100105	11.529	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	8068	10.661	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	69042	11.311	ug/l	99
88) Hexachlorobutadiene	13.69	225	38188	11.563	ug/l	99
89) Naphthalene	13.74	128	131728	10.919	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	63300	10.998	ug/l	100

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

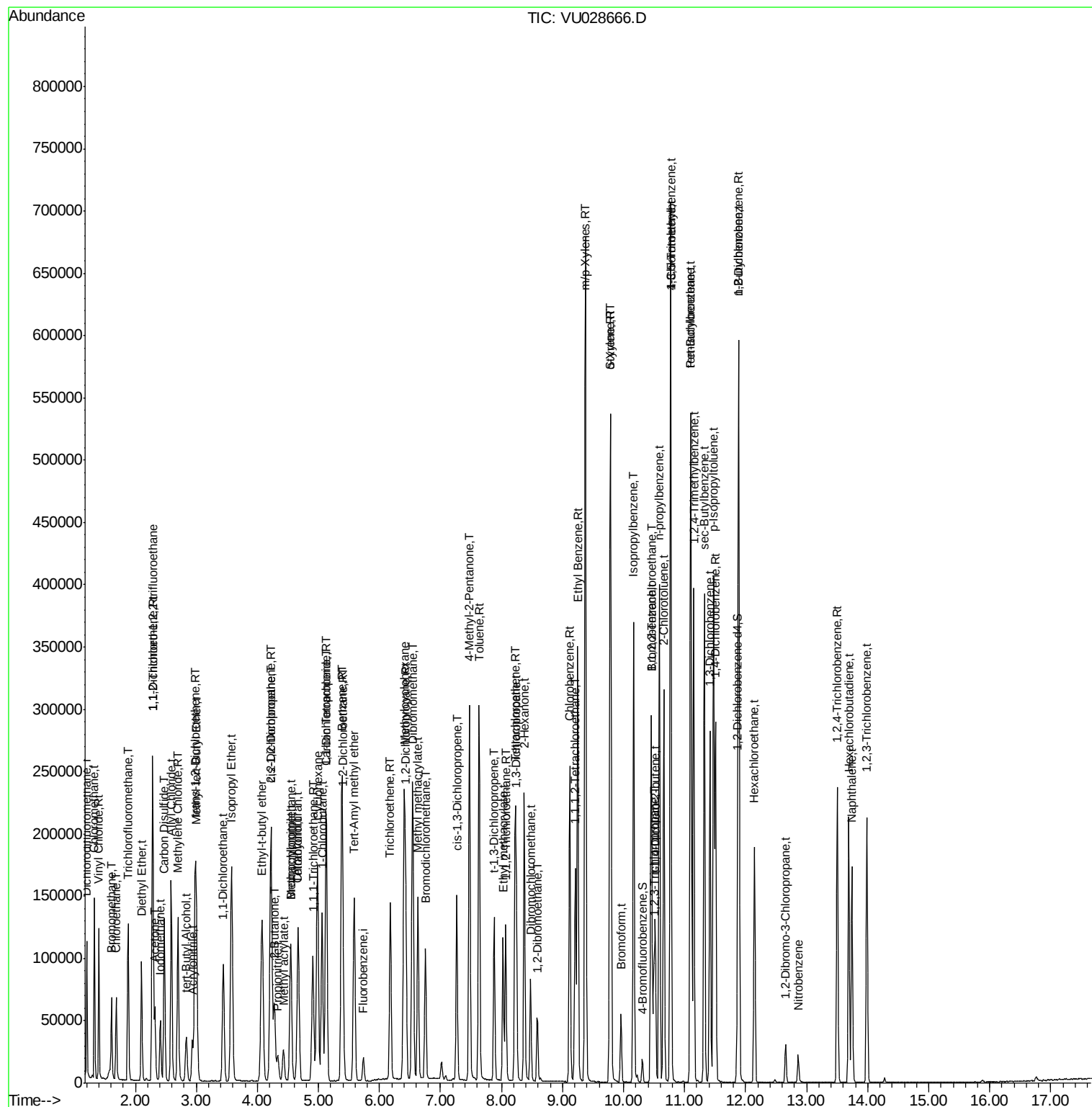
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121418\
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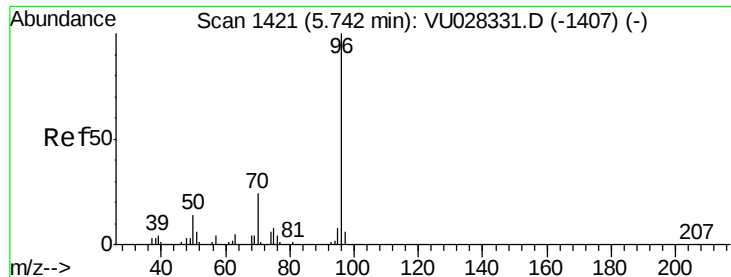
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

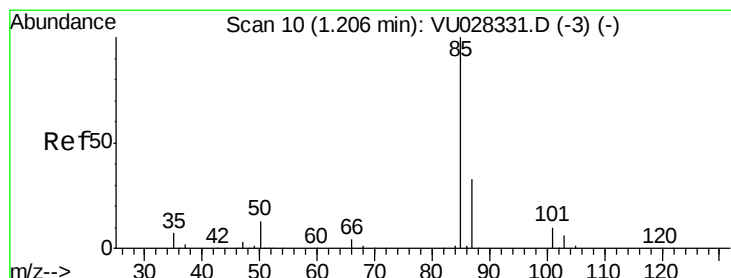
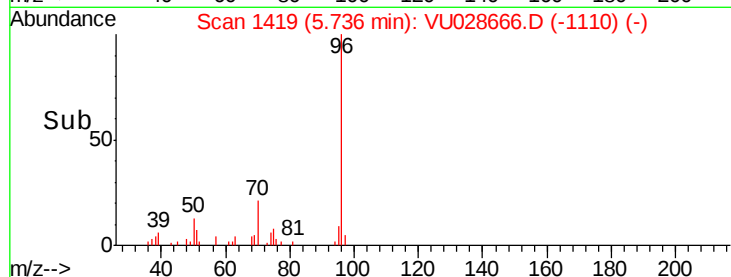
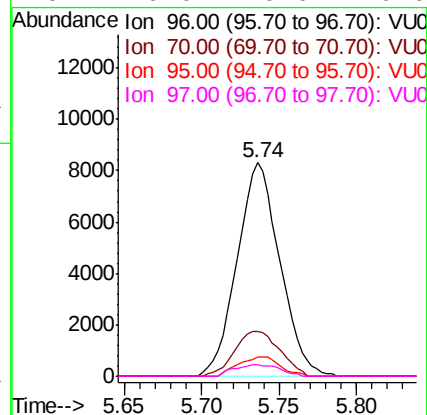
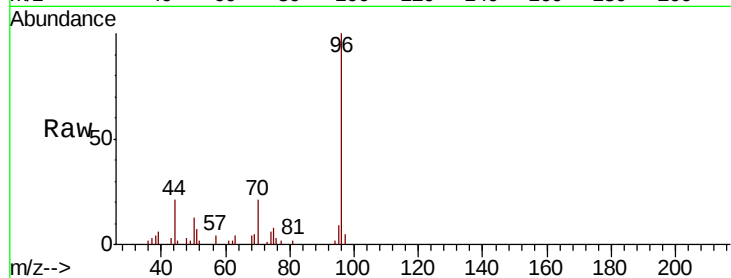
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	15928
Ion	Ratio	Lower	Upper
96	100		
70	22.2	17.8	26.8
95	9.0	7.6	11.4
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 10.550 ug/l

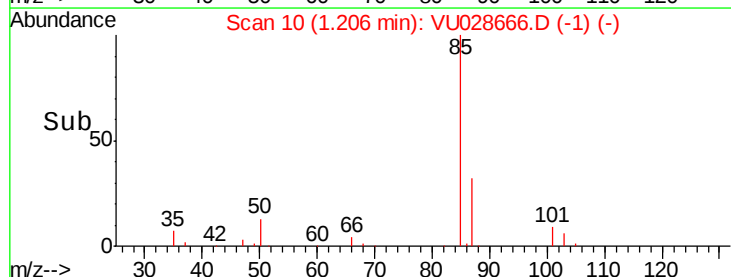
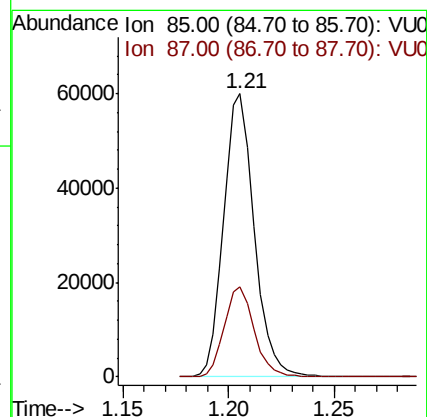
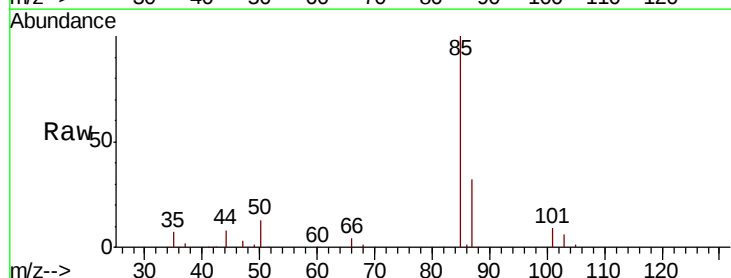
RT: 1.21 min Scan# 10

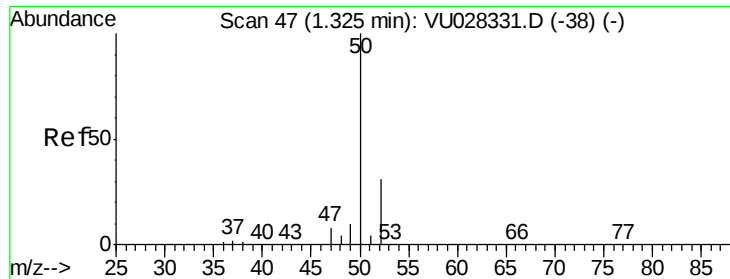
Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	85	Resp:	60447
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.8





#3

Chloromethane

Concen: 9.517 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 92815

Ion Ratio Lower Upper

50 100

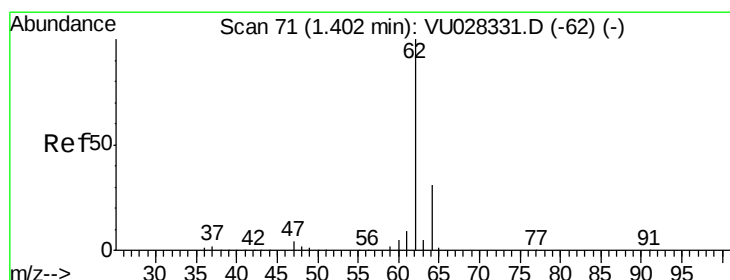
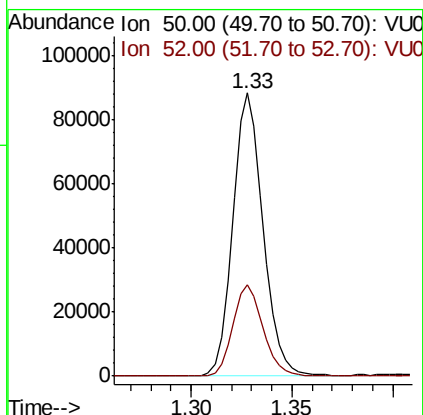
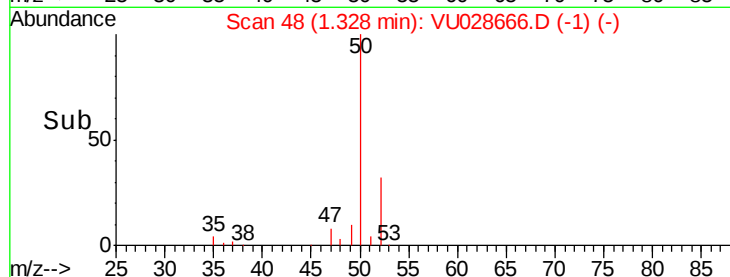
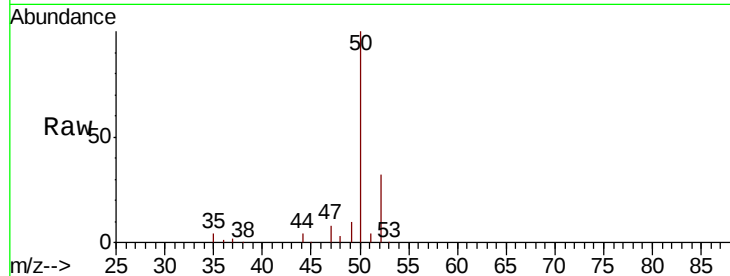
52 32.3 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.827 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028666.D

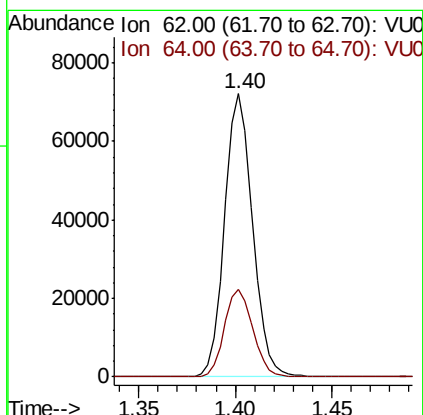
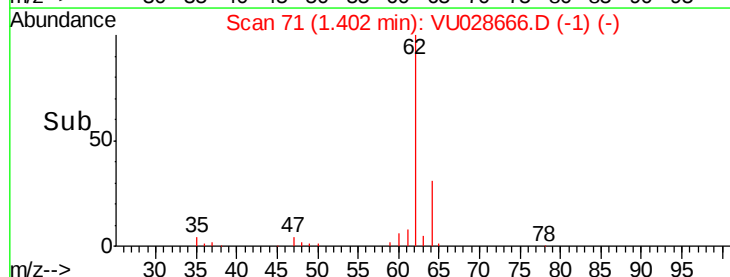
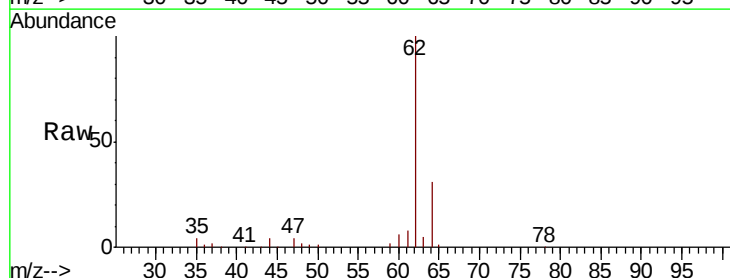
Acq: 13 Dec 2018 09:08

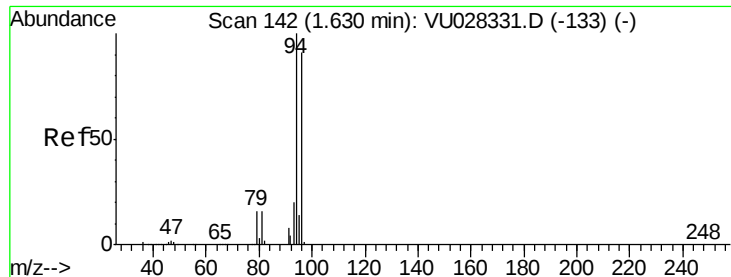
Tgt Ion: 62 Resp: 72266

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 10.524 ug/l

RT: 1.61 min Scan# 136

Delta R.T. -0.02 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 94 Resp: 27673

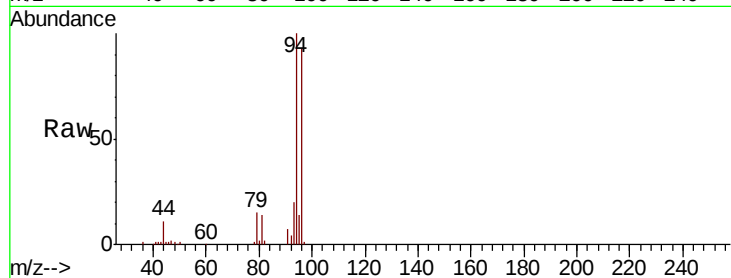
Ion Ratio Lower Upper

94 100

96 92.8 73.1 109.7

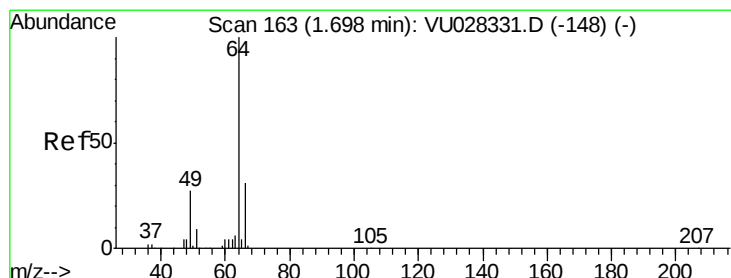
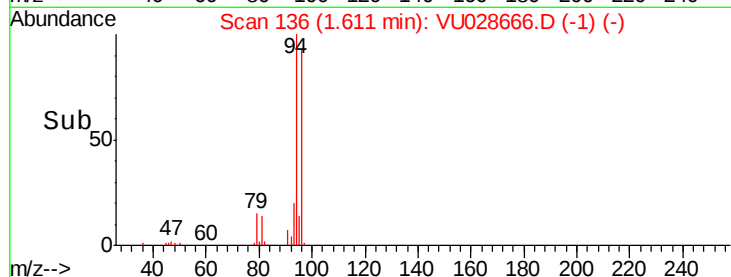
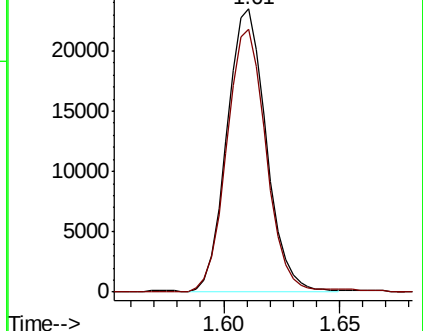
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Abundance Ion 94.00 (93.70 to 94.70): VU028331.D (-133) (-)

Ion 96.00 (95.70 to 96.70): VU028331.D (-133) (-)



#6

Chloroethane

Concen: 10.519 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028666.D

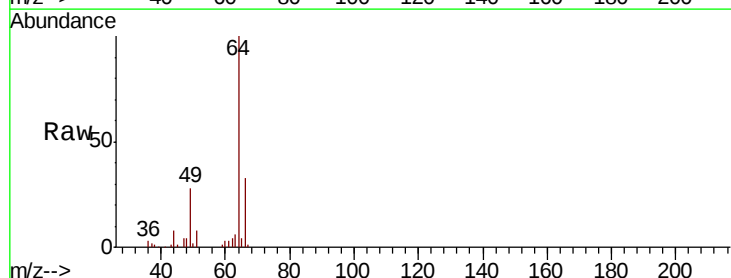
Acq: 13 Dec 2018 09:08

Tgt Ion: 64 Resp: 40987

Ion Ratio Lower Upper

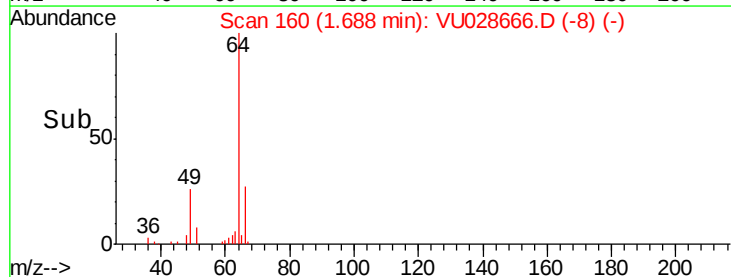
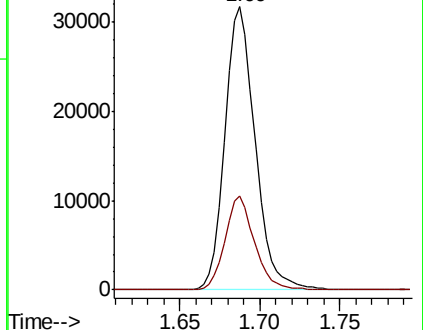
64 100

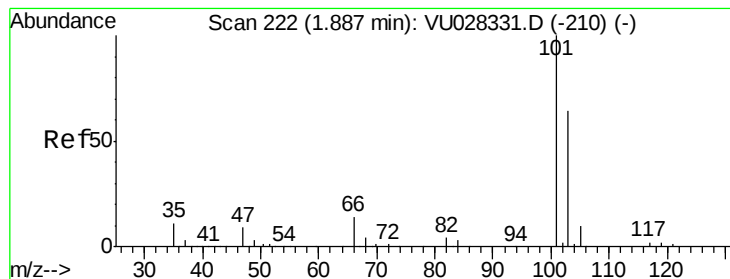
66 33.2 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU028331.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VU028331.D (-148) (-)





#7

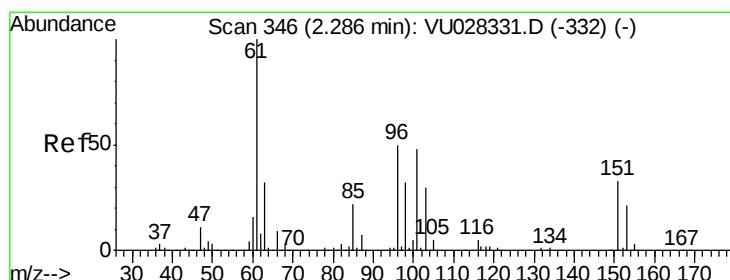
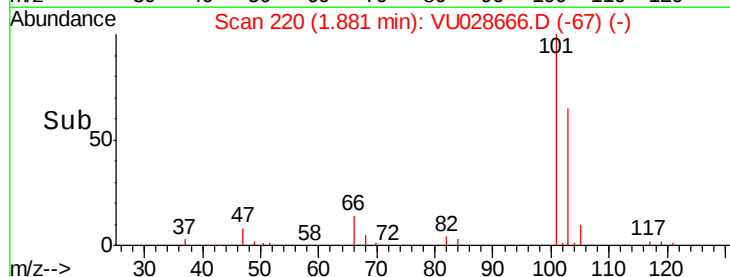
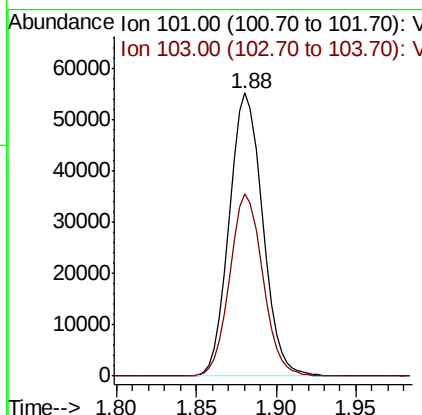
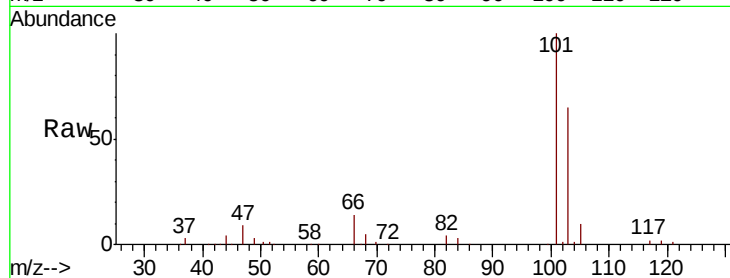
Trichlorofluoromethane
Concen: 10.802 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
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VSTDCCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.0

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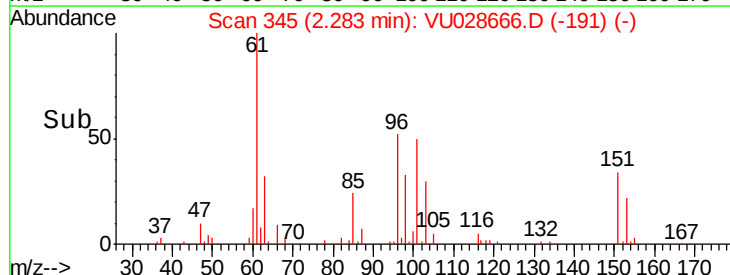
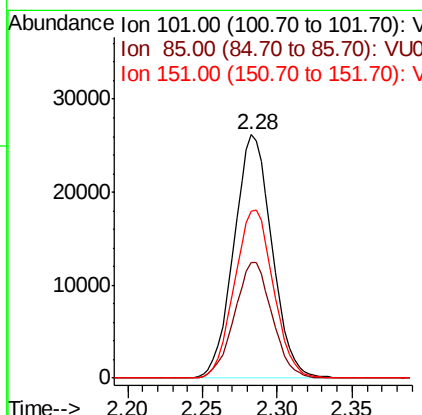
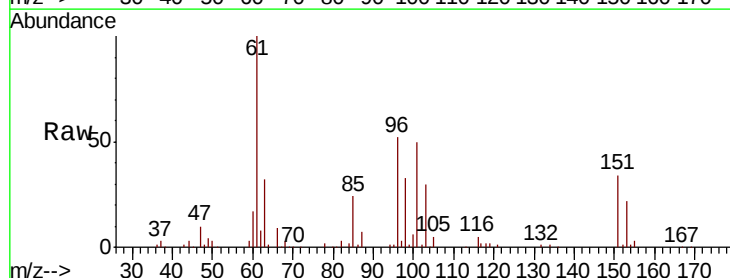
MMDadoda
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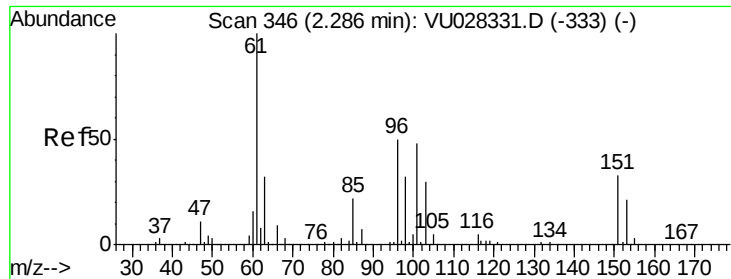


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.057 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.8	36.7	55.1
151	70.6	55.8	83.6





#9

1,1-Dichloroethene

Concen: 10.603 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

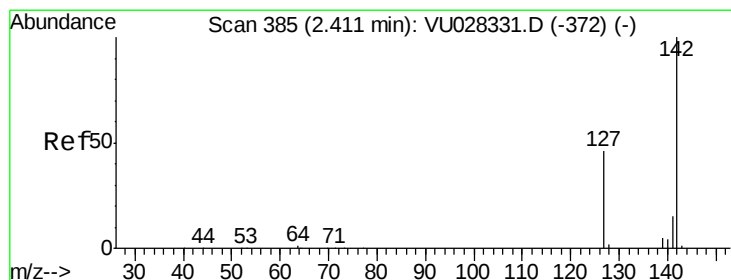
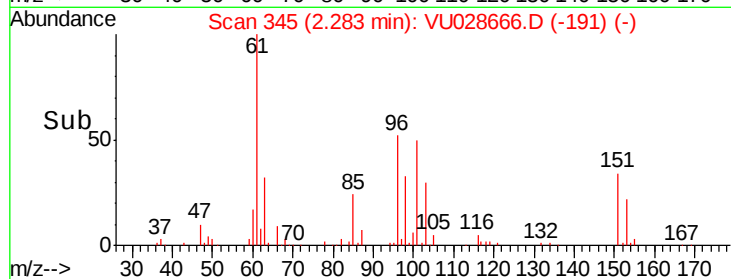
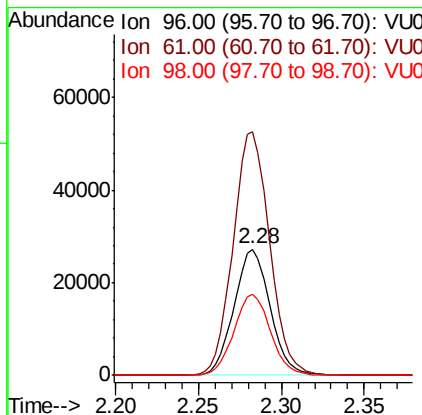
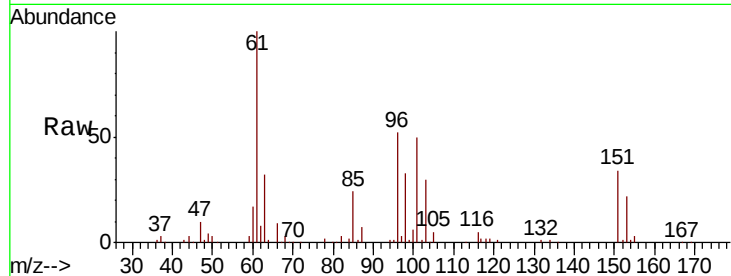
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	41119
Ion	Ratio	Lower	Upper
96	100		
61	193.1	0.0	597.6
98	64.5	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 17.476 ug/l

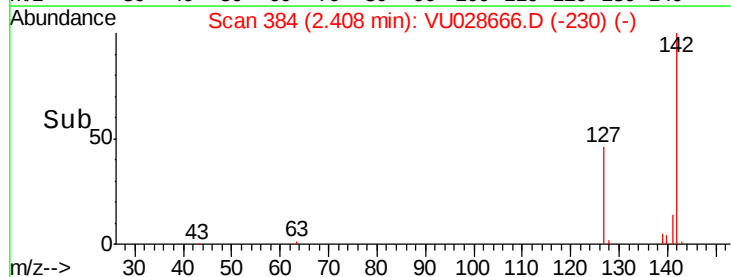
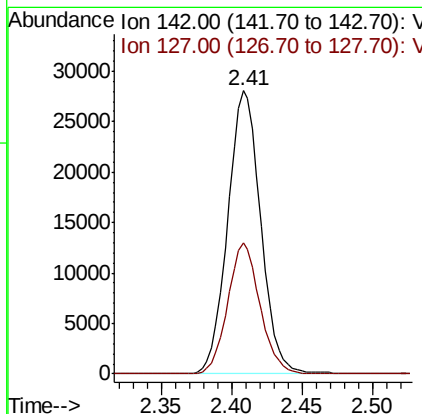
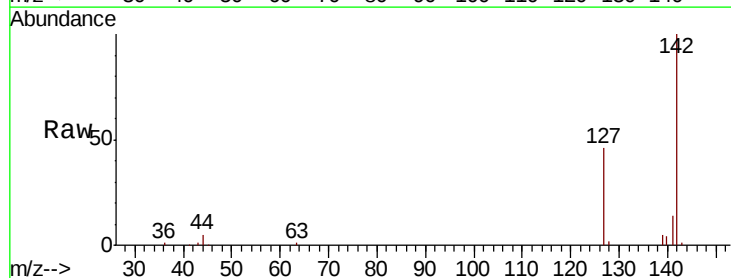
RT: 2.41 min Scan# 384

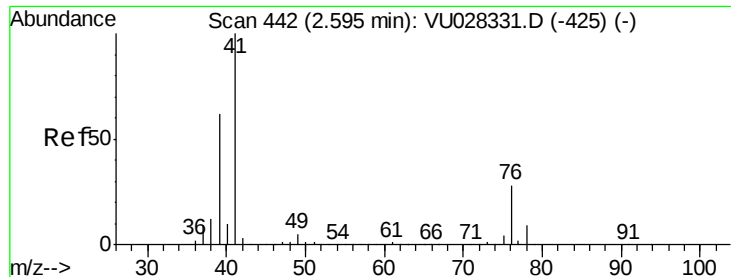
Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	142	Resp:	45834
Ion	Ratio	Lower	Upper
142	100		
127	45.0	36.4	54.6





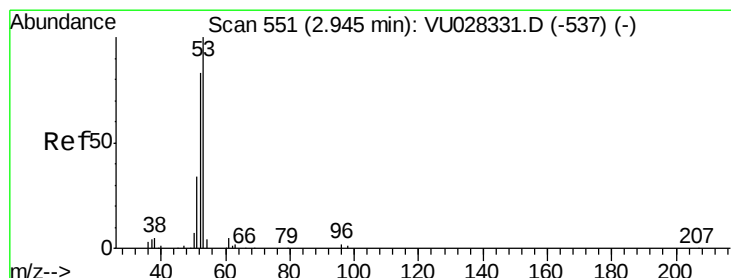
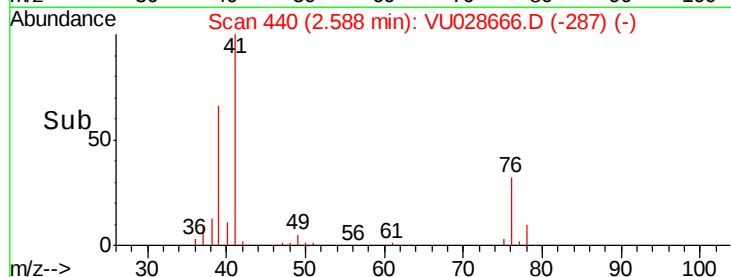
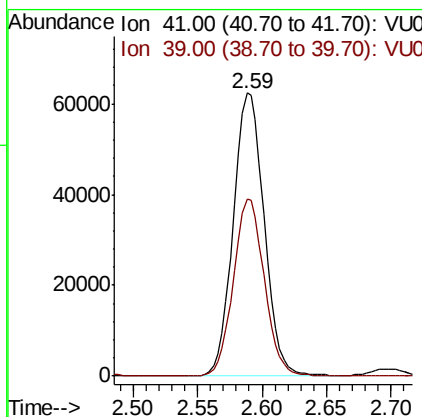
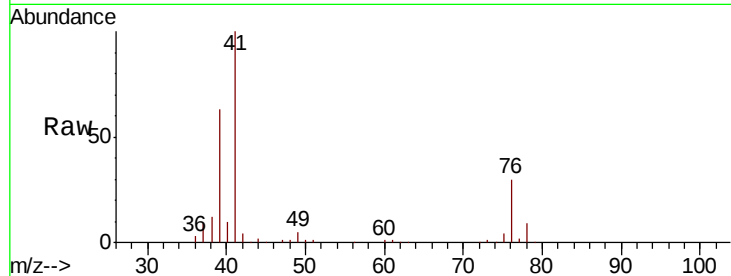
#11
Allvl Chloride
Concen: 10.642 ug/l
RT: 2.59 min Scan# 440
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 104183
Ion Ratio Lower Upper
41 100
39 62.7 50.8 76.2

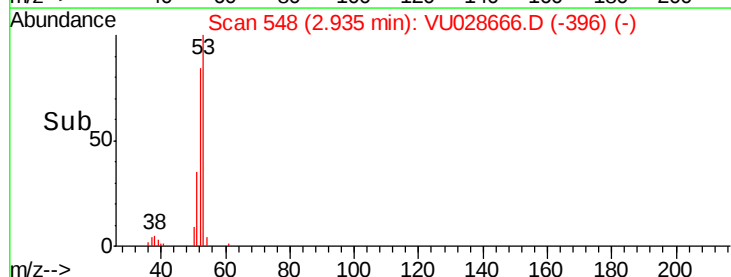
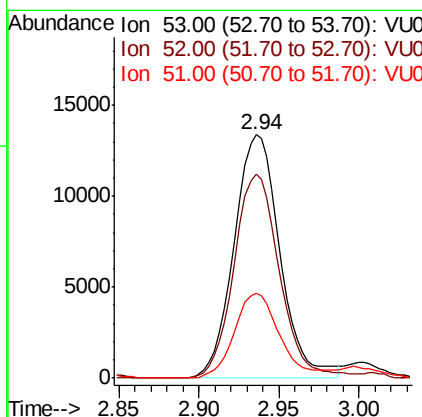
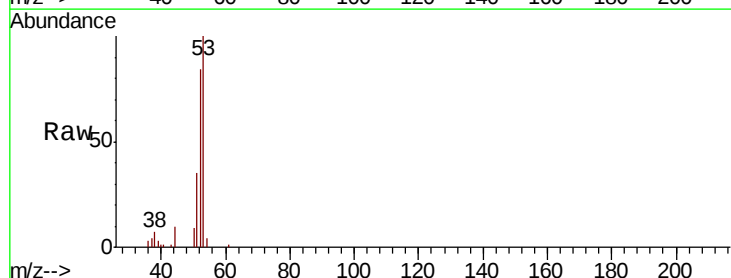
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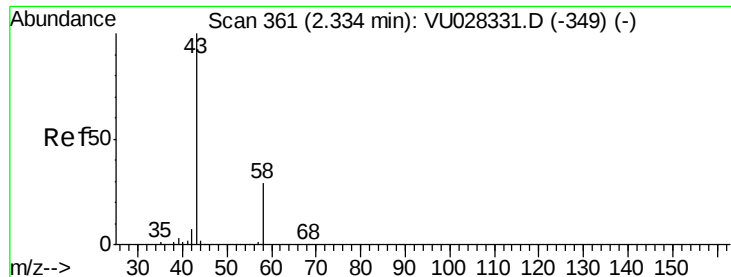
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#12
Acrylonitrile
Concen: 21.243 ug/l
RT: 2.94 min Scan# 548
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 53 Resp: 26240
Ion Ratio Lower Upper
53 100
52 83.1 69.3 103.9
51 34.7 27.8 41.8





#13

Acetone

Concen: 50.920 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 58289

Ion Ratio Lower Upper

43 100

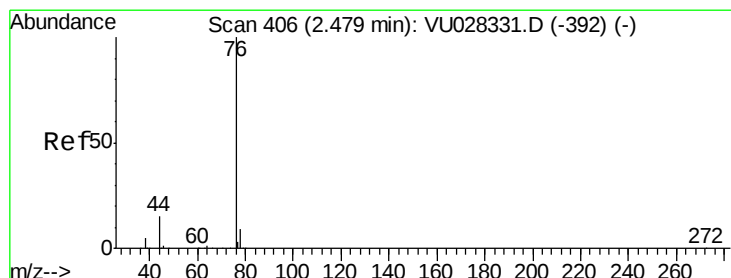
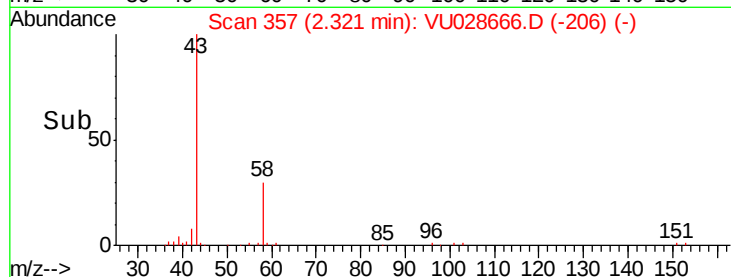
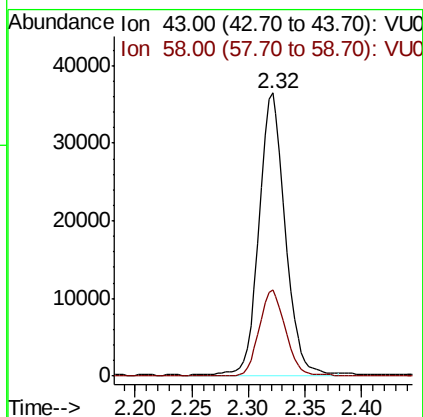
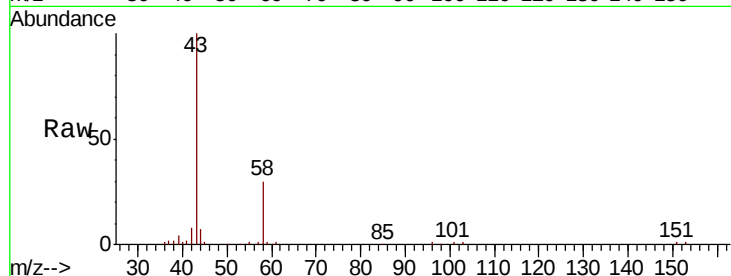
58 30.5 23.1 34.7

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#14

Carbon Disulfide

Concen: 10.480 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028666.D

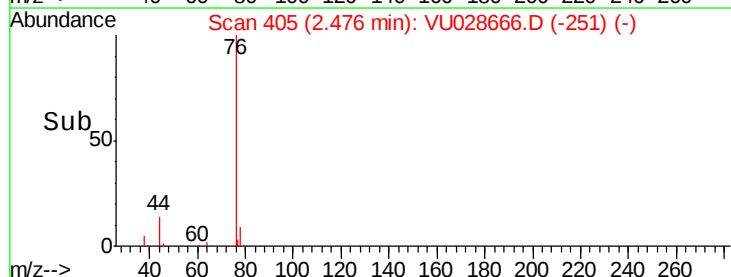
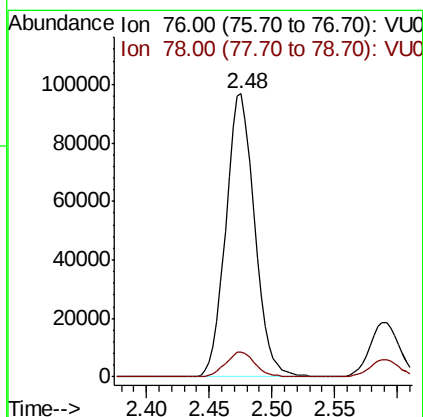
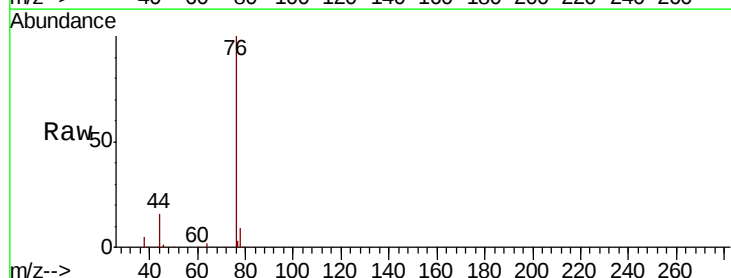
Acq: 13 Dec 2018 09:08

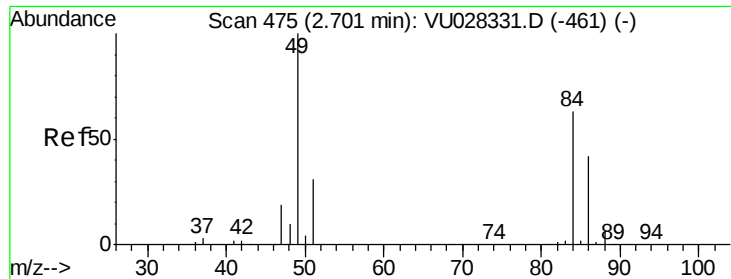
Tgt Ion: 76 Resp: 154369

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





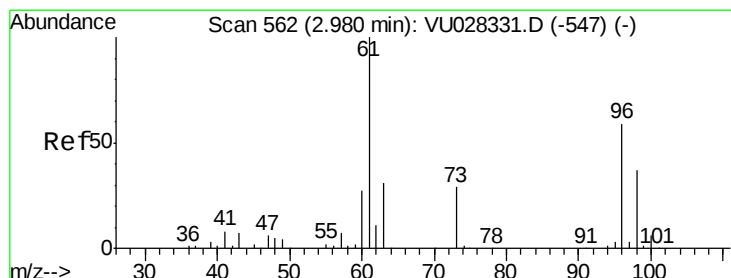
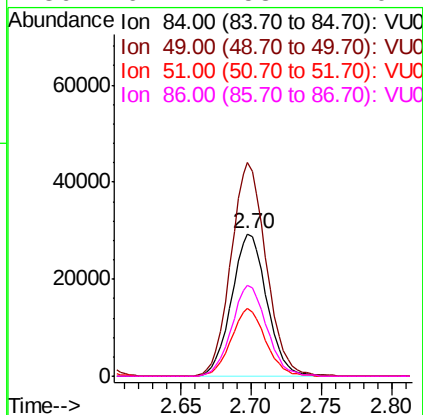
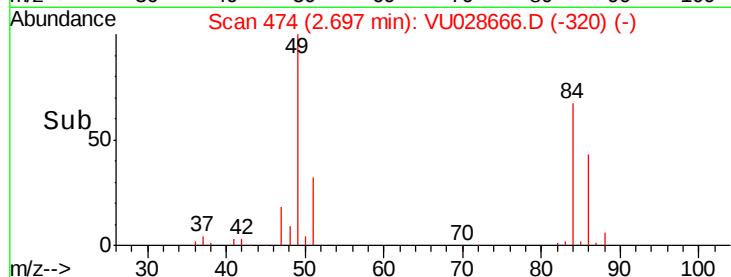
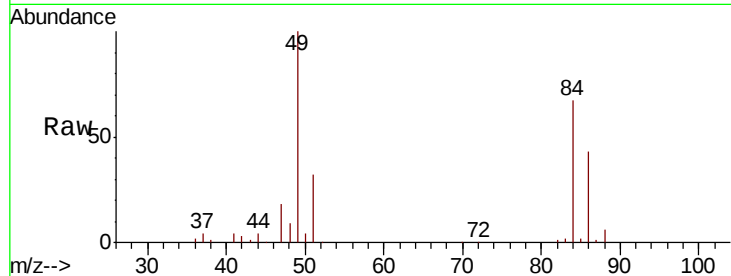
#15
Methvlene Chloride
Concen: 10.843 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 84 Resp: 51276
Ion Ratio Lower Upper
84 100
49 150.3 127.7 191.5
51 47.4 0.0 98.2
86 64.4 53.1 79.7

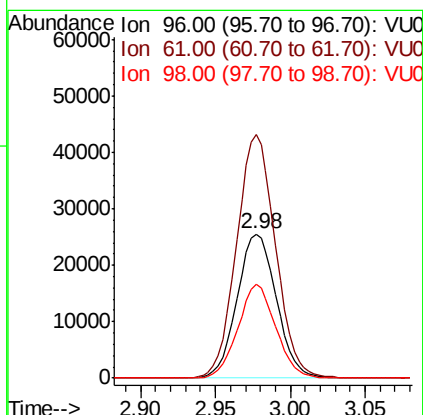
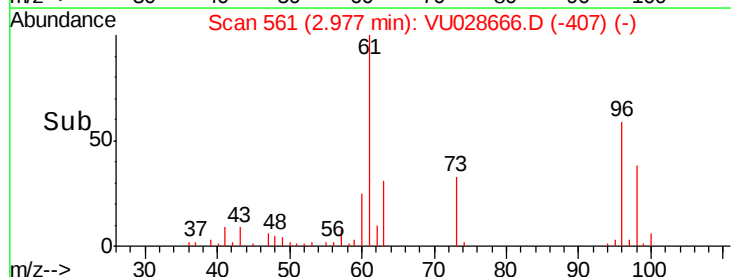
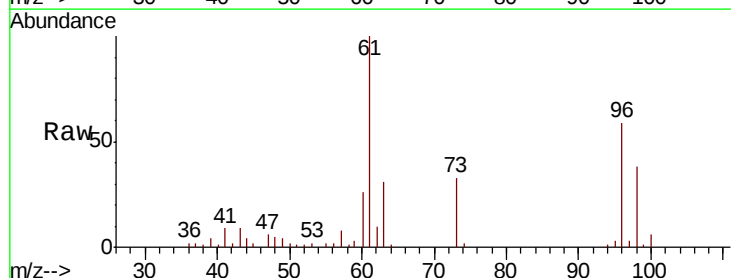
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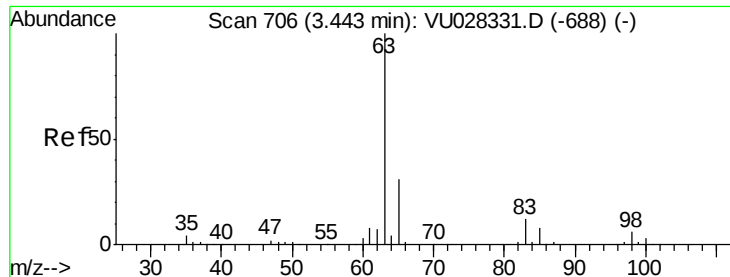
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#16
trans-1,2-Dichloroethene
Concen: 10.763 ug/l
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 96 Resp: 46712
Ion Ratio Lower Upper
96 100
61 169.0 136.4 204.6
98 65.0 49.8 74.8





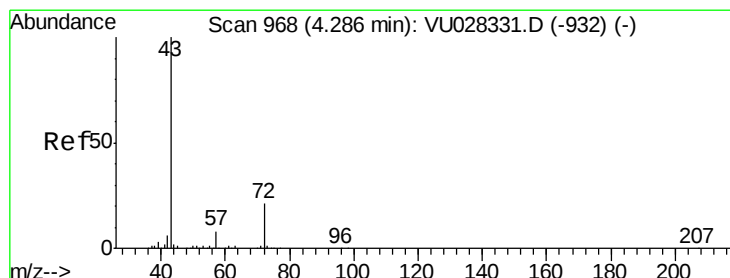
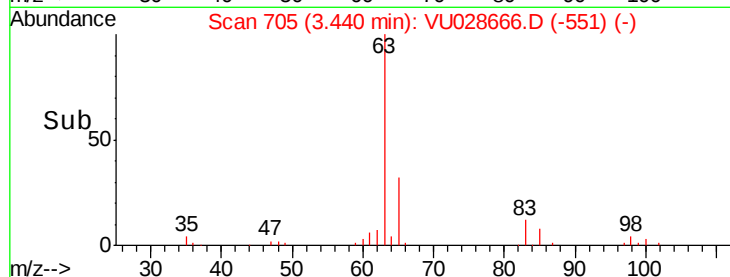
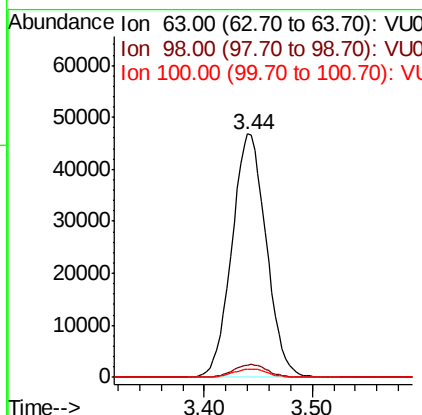
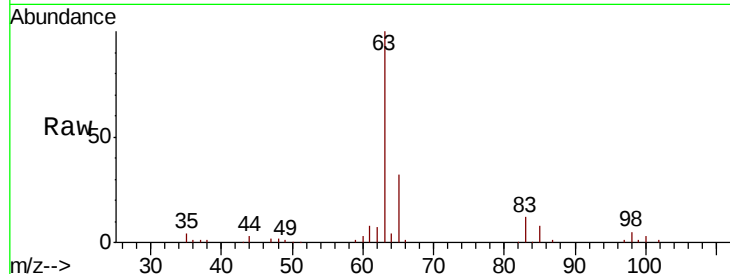
#17
 1,1-Dichloroethane
 Concen: 10.743 ug/l
 RT: 3.44 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	103942
Ion Ratio	Lower	Upper	
63	100		
98	5.1	3.0	9.0
100	3.4	1.8	5.3

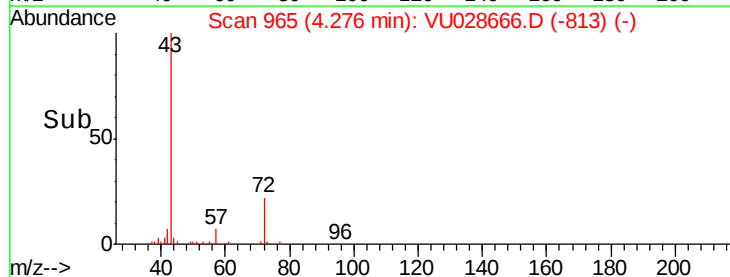
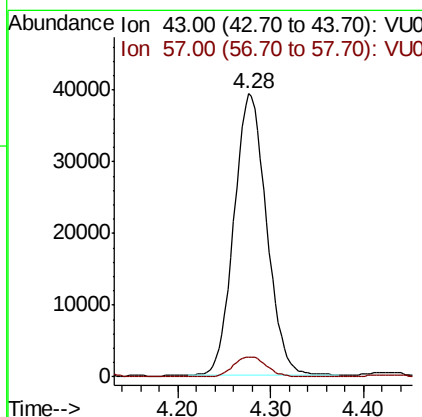
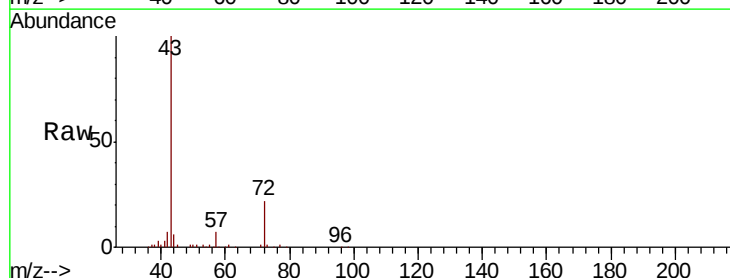
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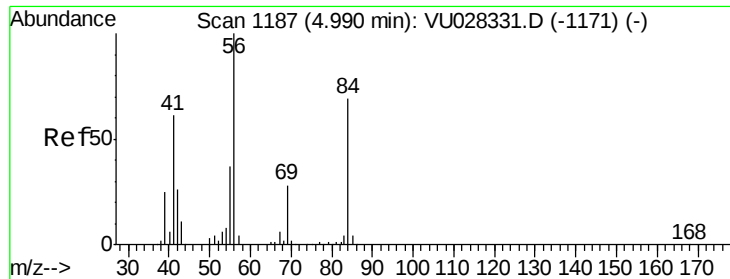
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#18
 2-Butanone
 Concen: 55.923 ug/l
 RT: 4.28 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion:	43	Resp:	95657
Ion Ratio	Lower	Upper	
43	100		
57	7.2	0.0	15.0





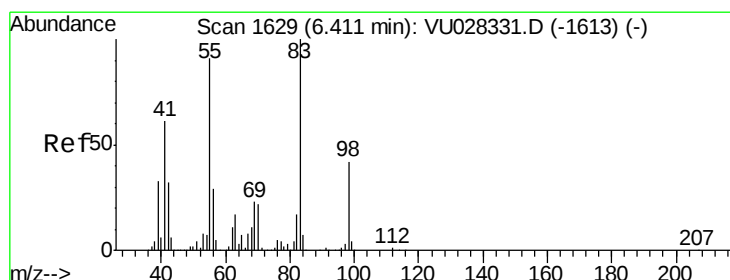
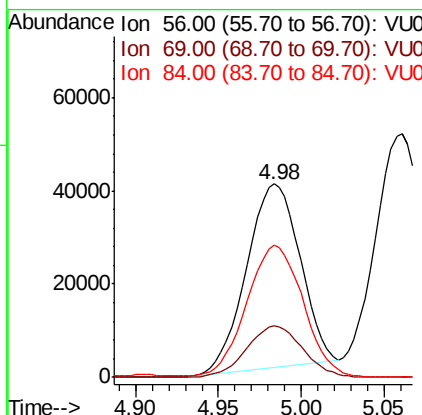
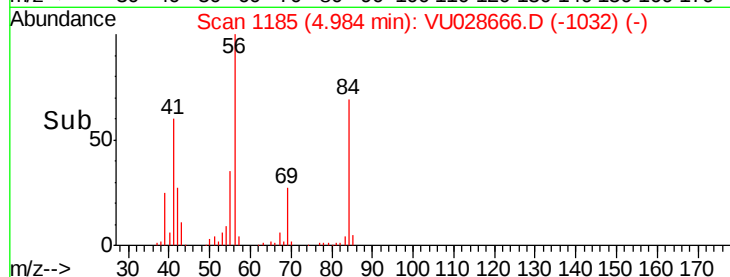
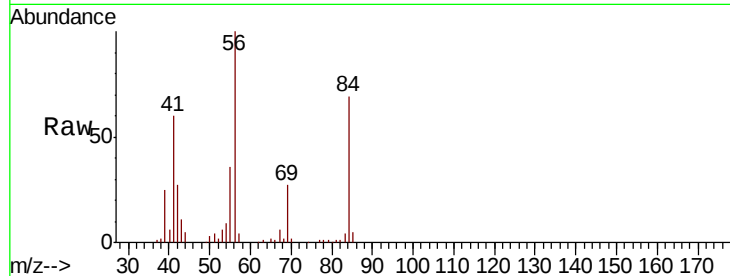
#19
Cyclohexane
Concen: 10.502 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.0	37.6
84	75.9	62.6	94.0

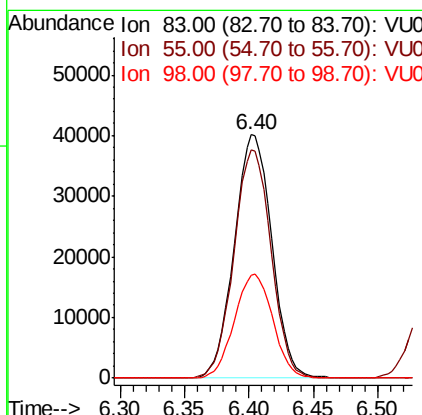
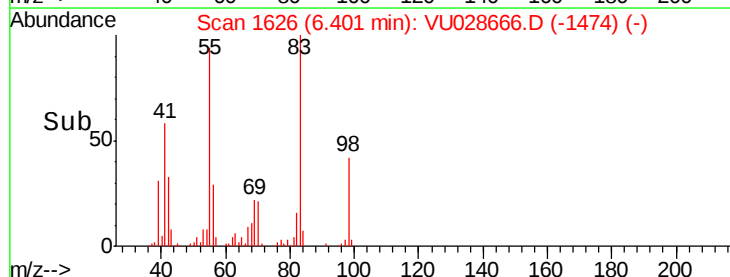
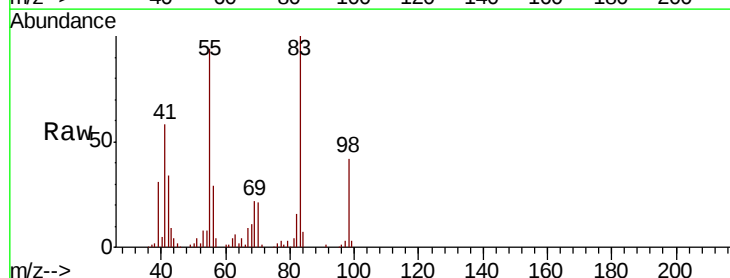
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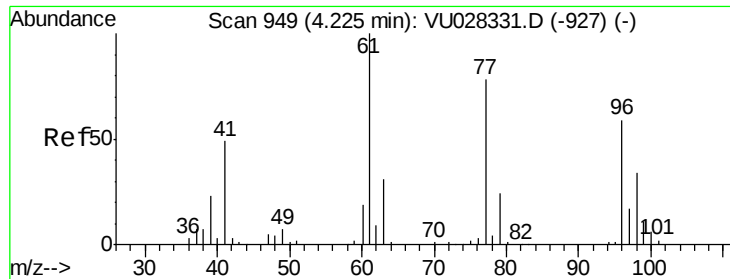
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#20
Methylcyclohexane
Concen: 9.889 ug/l
RT: 6.40 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.9	72.6	108.8
98	43.6	33.8	50.8





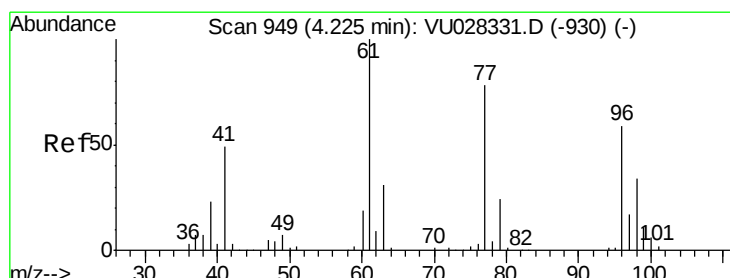
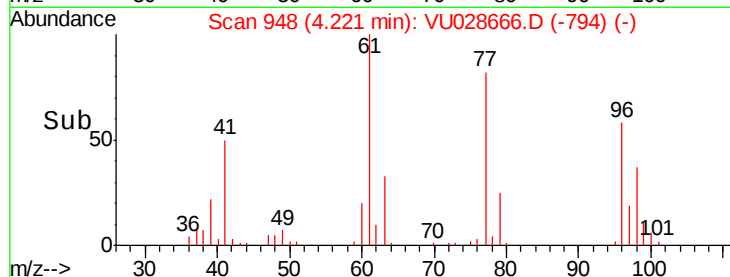
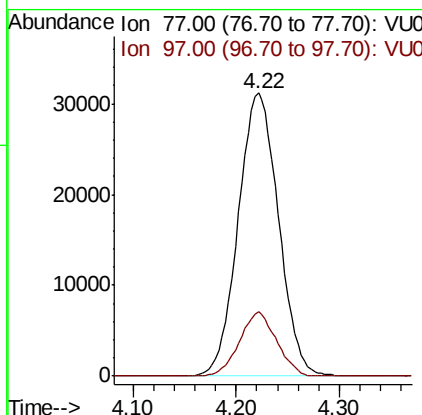
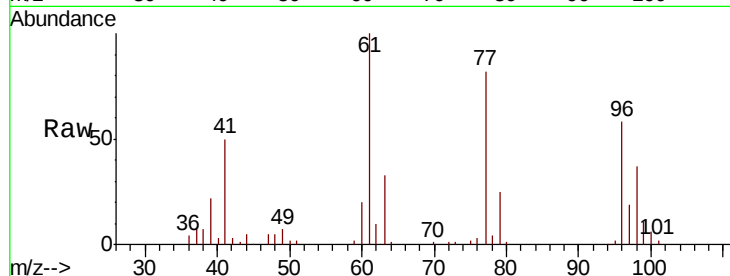
#21
2,2-Dichloropropane
Concen: 10.890 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 77 Resp: 84561
Ion Ratio Lower Upper
77 100
97 20.9 17.4 26.2

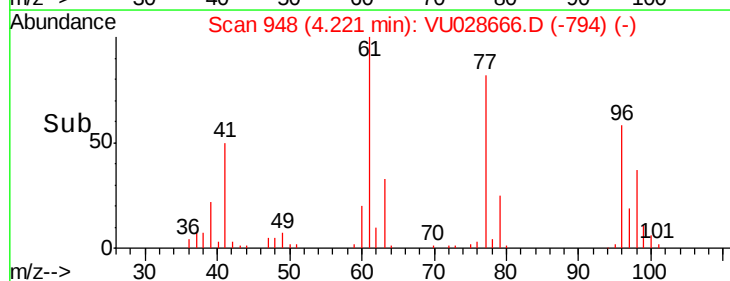
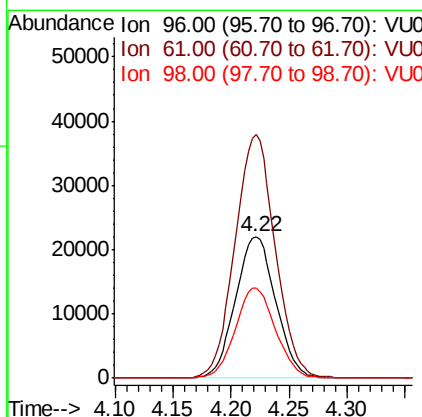
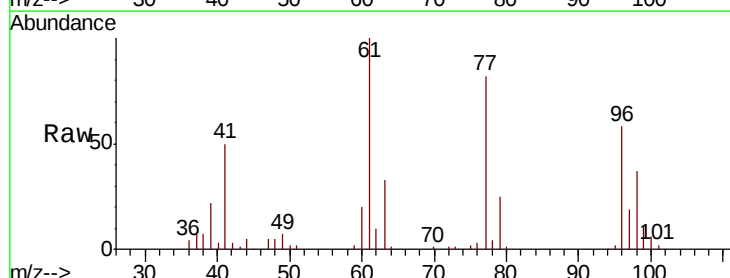
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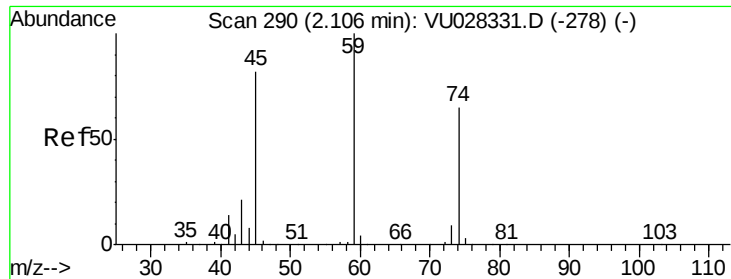
MMDadoda
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#22
cis-1,2-Dichloroethene
Concen: 10.471 ug/l
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 96 Resp: 53183
Ion Ratio Lower Upper
96 100
61 171.8 0.0 423.0
98 63.4 30.3 91.0





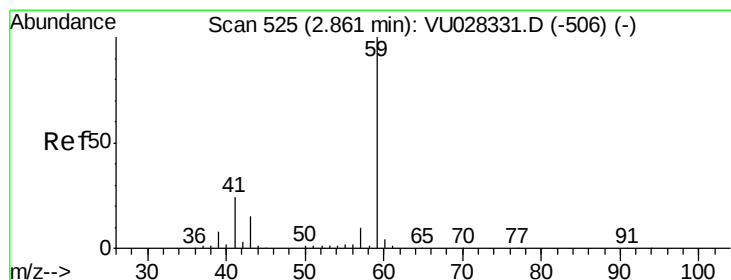
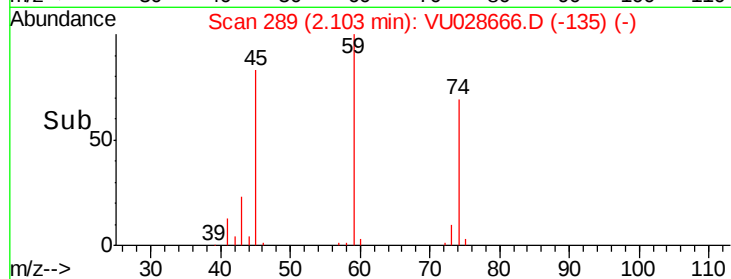
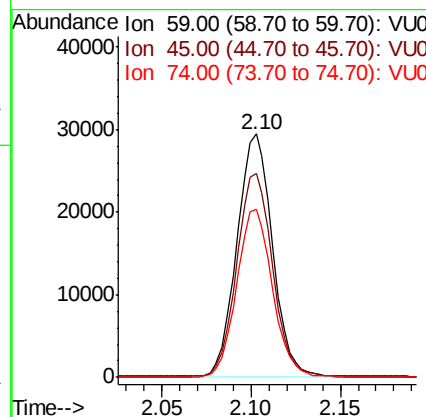
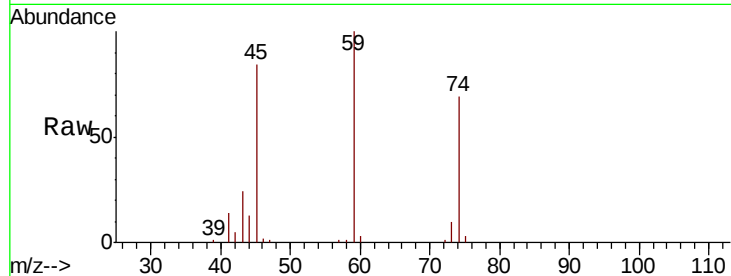
#23
Diethyl Ether
Concen: 10.558 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	83.4	66.4	99.6
74	69.3	52.2	78.4

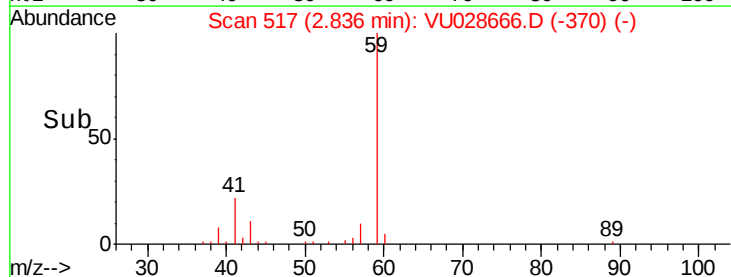
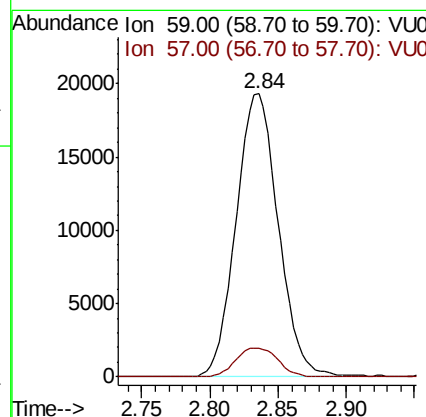
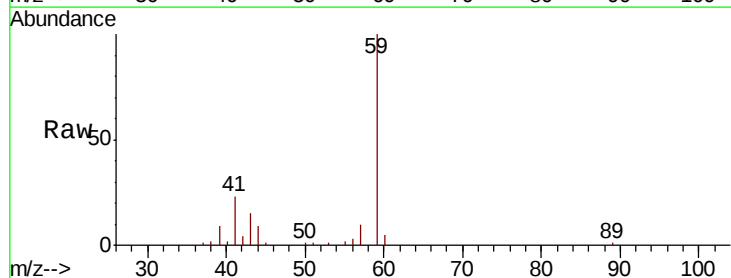
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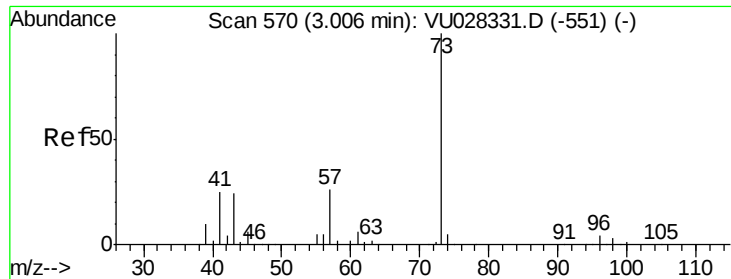
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#24
tert-Butyl Alcohol
Concen: 106.309 ug/l
RT: 2.84 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4





#25

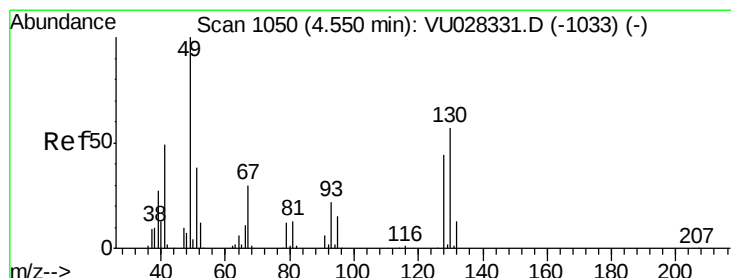
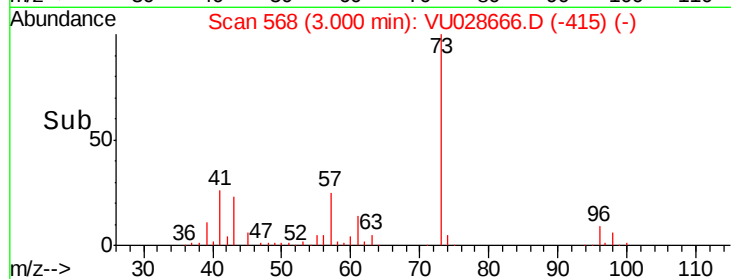
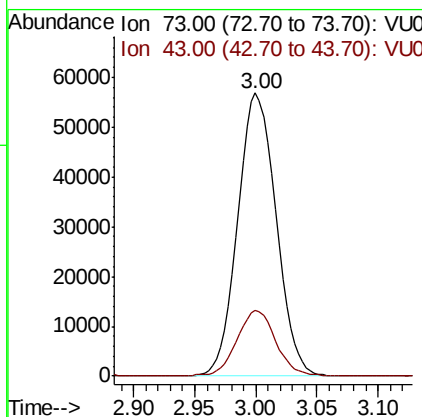
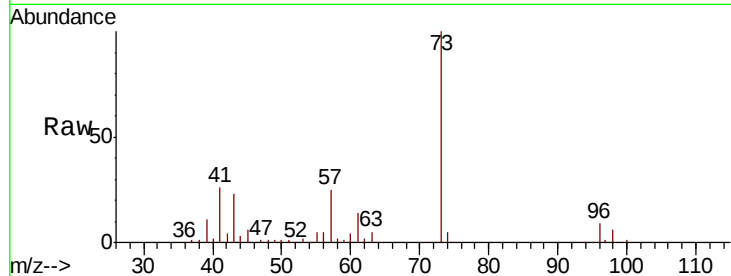
Methyl tert-Butyl Ether
 Concen: 10.758 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.9	18.5	27.7

Manual Integrations
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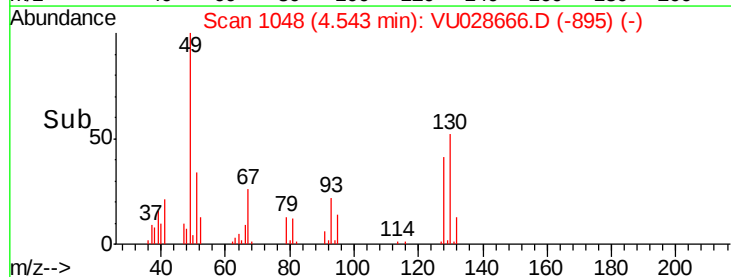
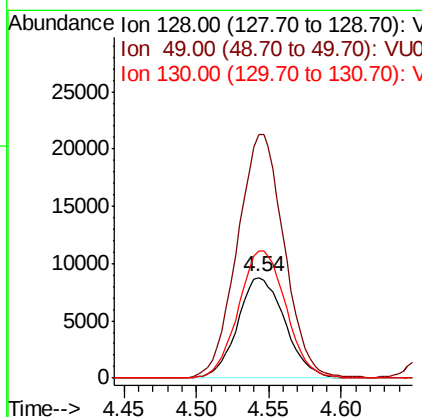
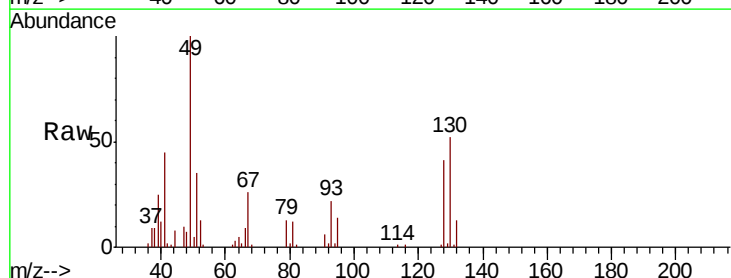
MMDadoda
 12/14/2018 9:32:14 AM

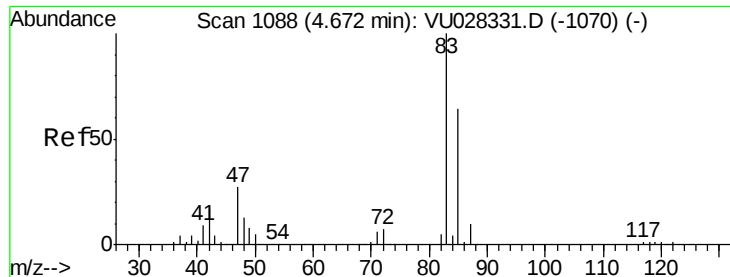


#26

Bromochloromethane
 Concen: 10.275 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	240.5	0.0	457.6
130	127.1	101.4	152.2





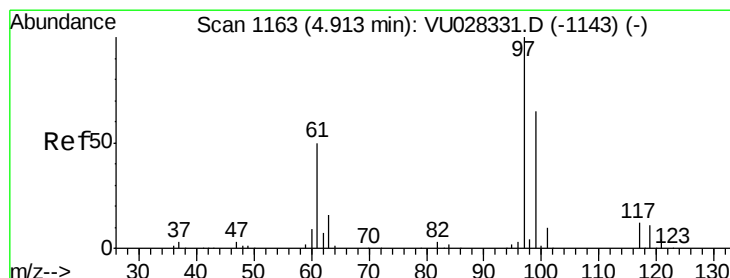
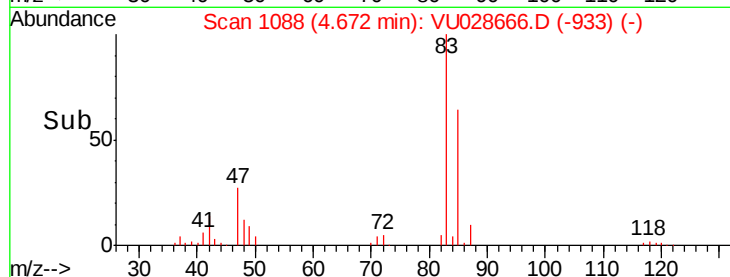
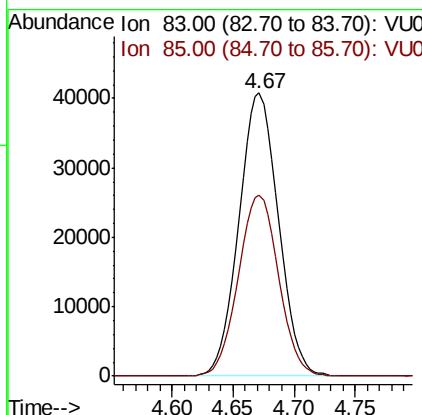
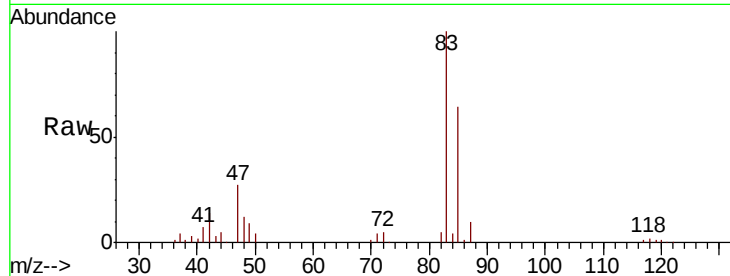
#27
Chloroform
Concen: 9.799 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	91432
Ion Ratio	100	Lower	Upper
85	63.8	0.0	128.0

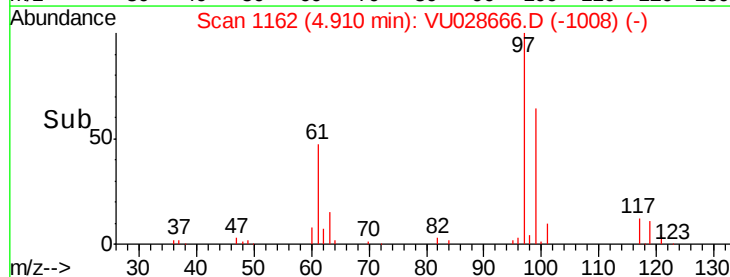
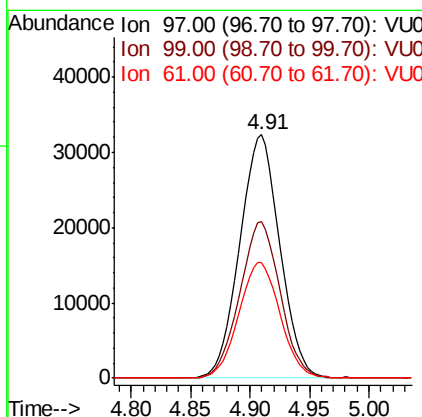
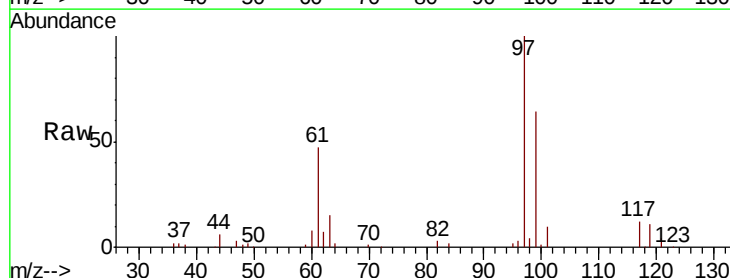
Manual Integrations
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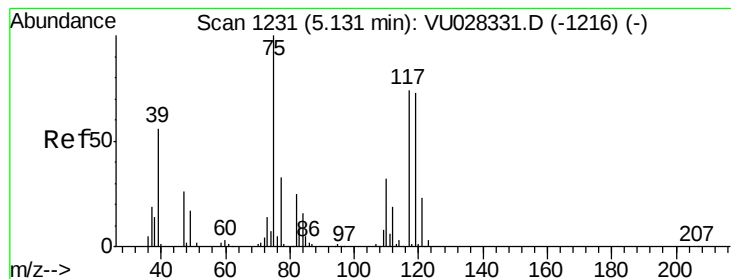
MMDadoda
12/14/2018 9:32:14 AM



#28
1,1,1-Trichloroethane
Concen: 10.371 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	97	Resp	75569
Ion Ratio	100	Lower	Upper
99	64.4	32.2	96.6
61	48.9	24.9	74.7





#29

1,1-Dichloropropene

Concen: 10.237 ug/l

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

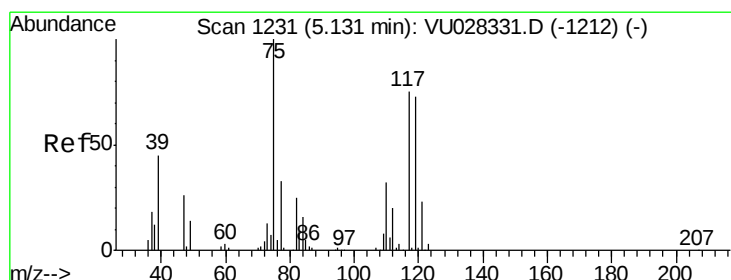
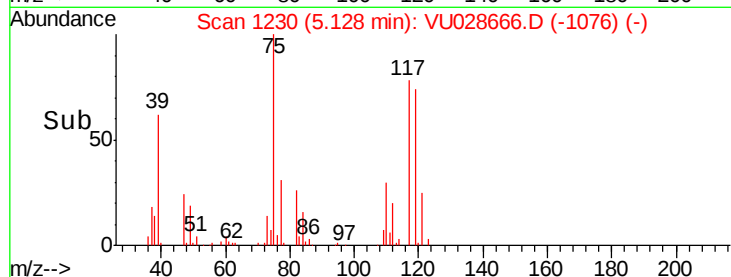
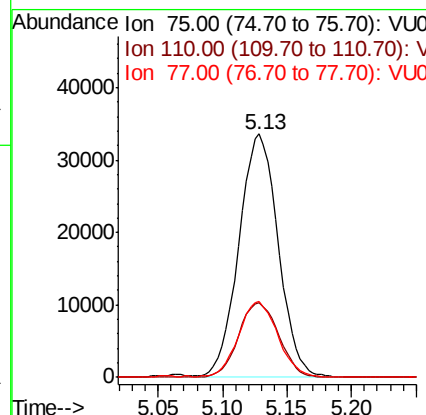
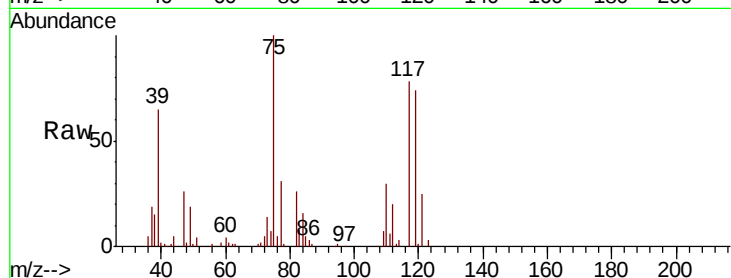
ClientSampleId :

VSTDCCC010

Tot Ion:	75	Resp:	71557
Ion Ratio	Lower	Upper	
75	100		
110	31.2	15.8	47.3
77	31.3	25.4	38.0

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#30

Carbon Tetrachloride

Concen: 10.334 ug/l

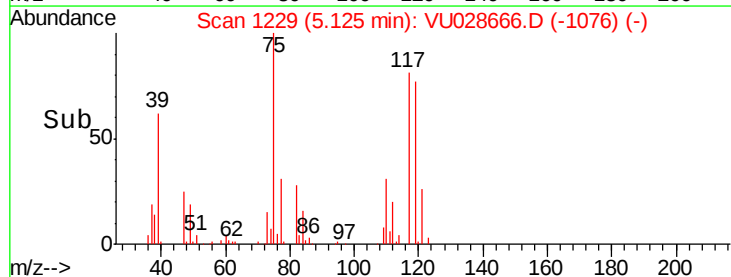
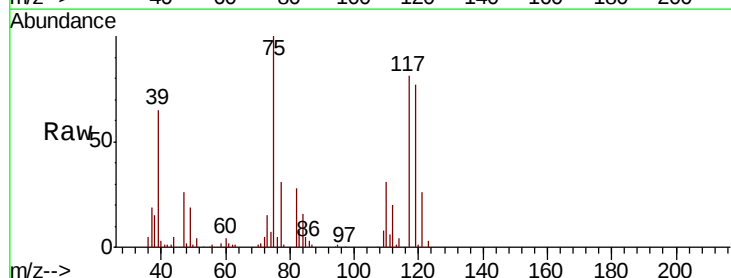
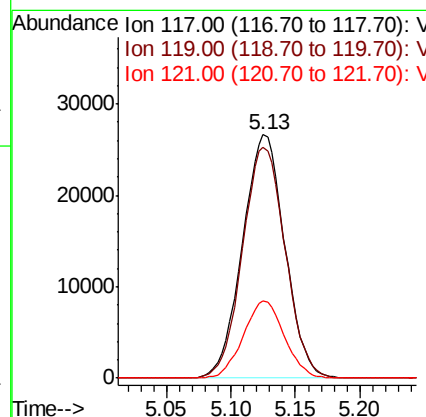
RT: 5.13 min Scan# 1229

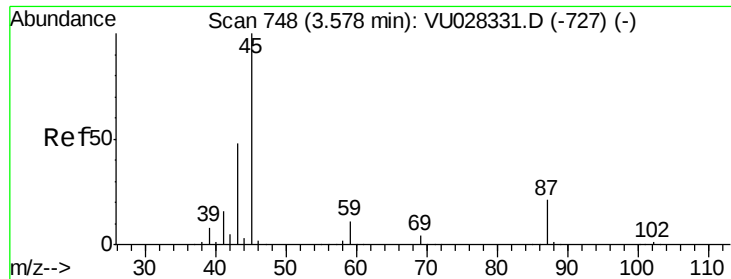
Delta R.T. -0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	117	Resp:	60807
Ion Ratio	Lower	Upper	
117	100		
119	94.9	78.2	117.4
121	31.8	24.7	37.1





#31

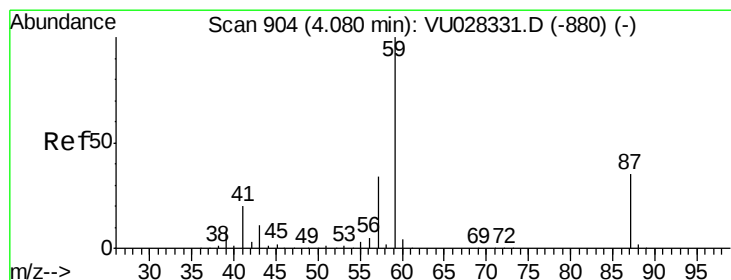
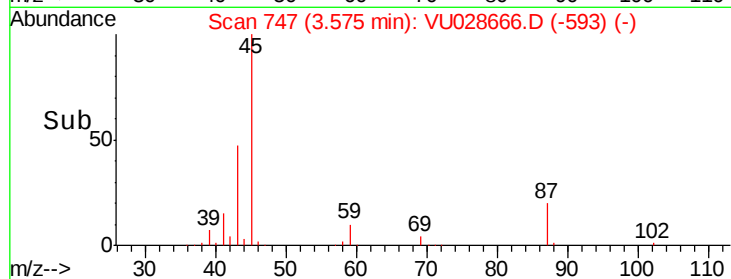
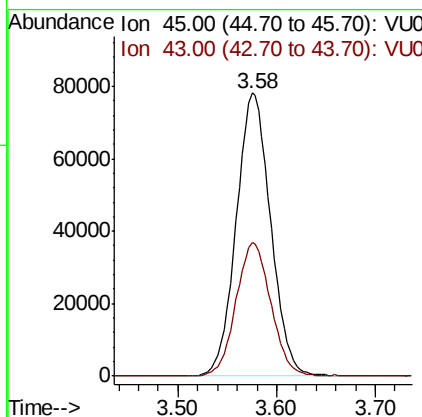
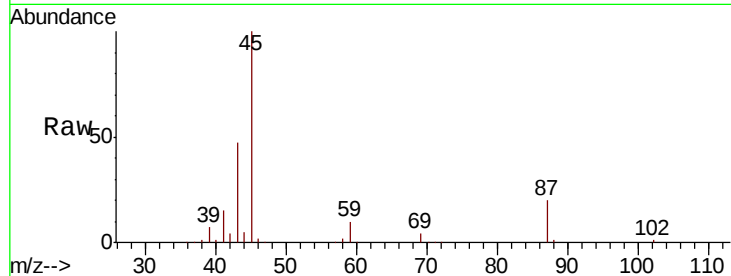
Isopropyl Ether
 Concen: 10.827 ug/l
 RT: 3.58 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	45	43	Ratio	100	47.7	Resp	187589	Lower	24.2	Upper	72.6
Ion	45	43	Ratio	100	47.7	Resp	187589	Lower	24.2	Upper	72.6

Manual Integrations
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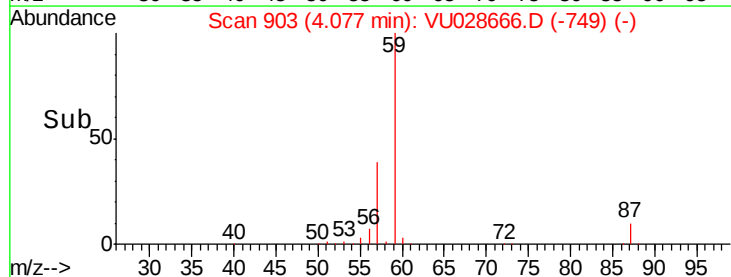
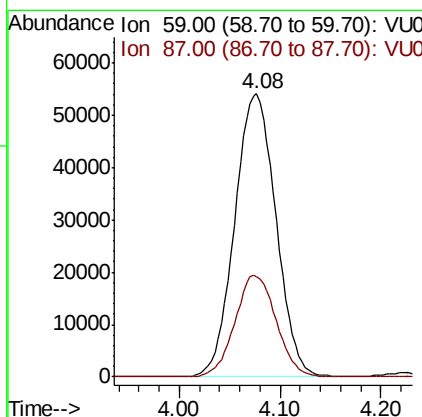
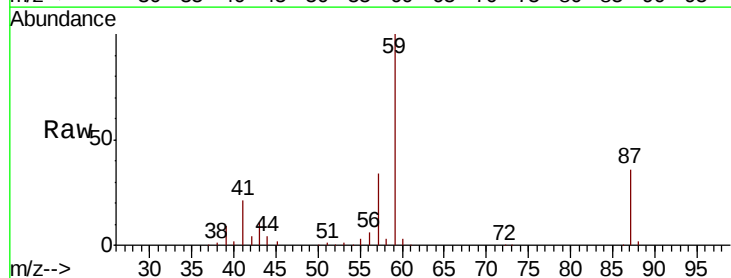
MMDadoda
 12/14/2018 9:32:14 AM

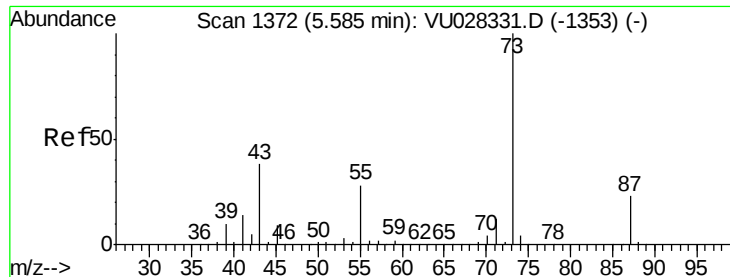


#32

Ethyl-t-butyl ether
 Concen: 10.727 ug/l
 RT: 4.08 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	59	87	Ratio	100	35.9	Resp	153080	Lower	28.2	Upper	42.4
Ion	59	87	Ratio	100	35.9	Resp	153080	Lower	28.2	Upper	42.4





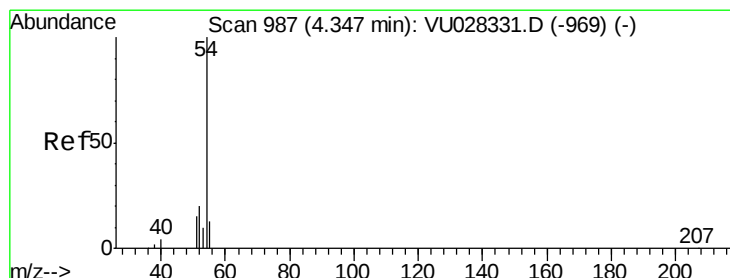
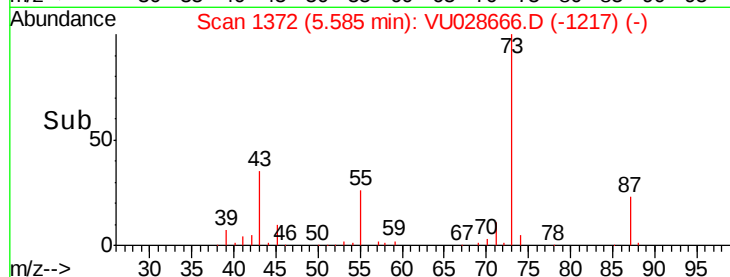
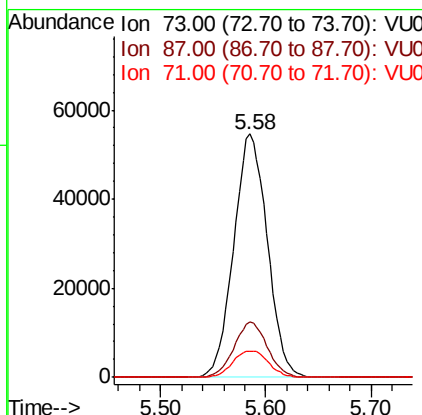
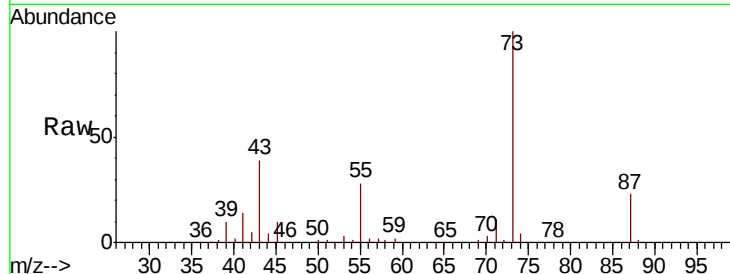
#33
Tert-Butyl methyl ether
Concen: 10.189 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.4	17.6	26.4
71	11.6	9.2	13.8

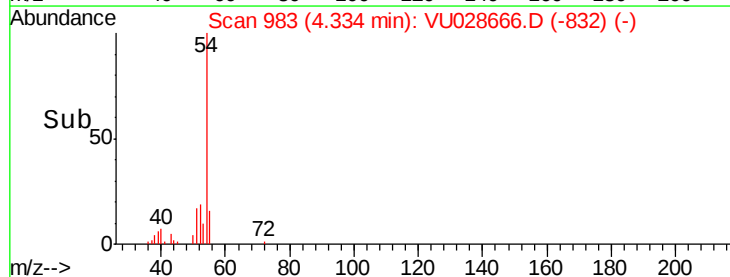
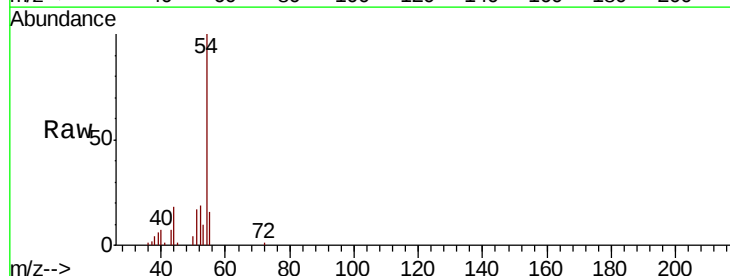
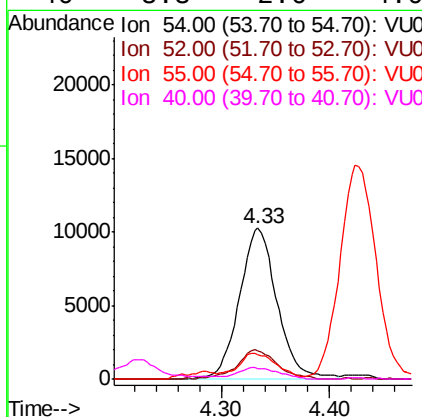
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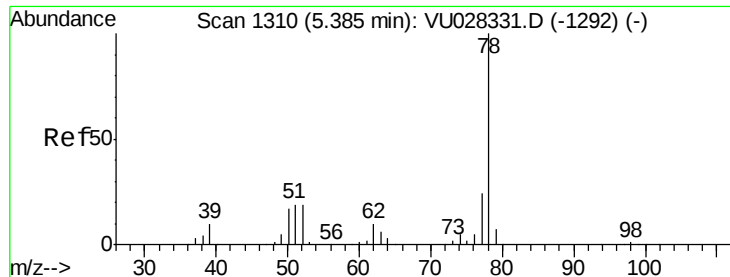
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#34
Propionitrile
Concen: 57.784 ug/l
RT: 4.33 min Scan# 983
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.3	16.6	25.0
55	16.9	12.9	19.3
40	8.3	2.6	4.0





#35

Benzene

Concen: 9.791 ug/l

RT: 5.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 201479

Ion Ratio Lower Upper

78 100

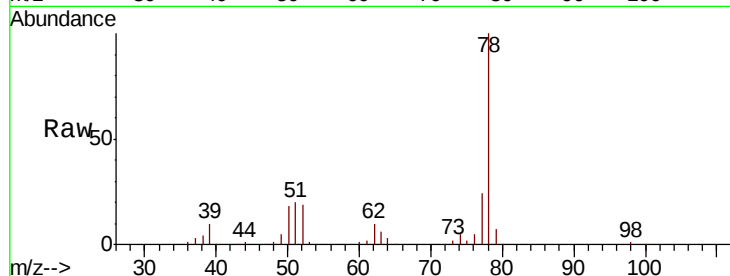
77 23.9 19.5 29.3

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

100000

80000

60000

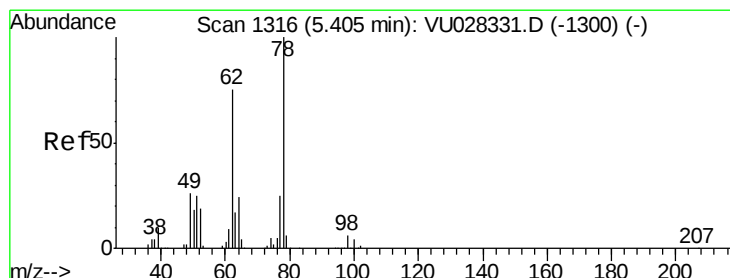
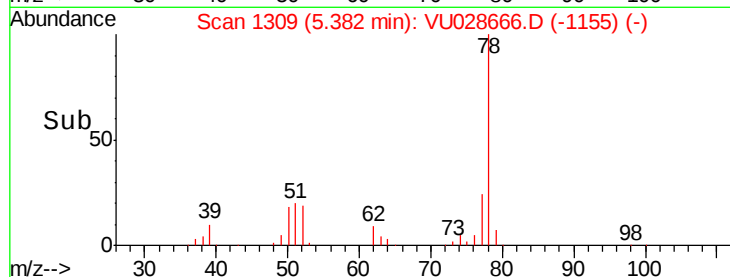
40000

20000

0

5.30 5.35 5.40 5.45 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.287 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028666.D

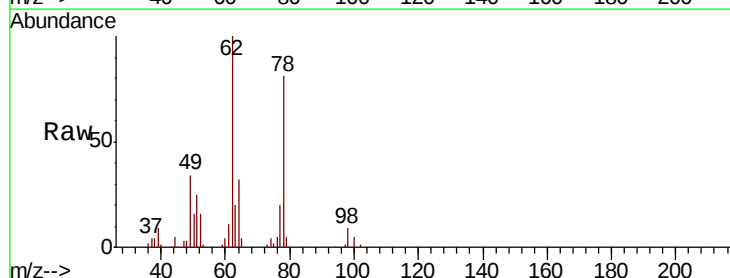
Acq: 13 Dec 2018 09:08

Tgt Ion: 62 Resp: 63312

Ion Ratio Lower Upper

62 100

98 7.6 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

30000

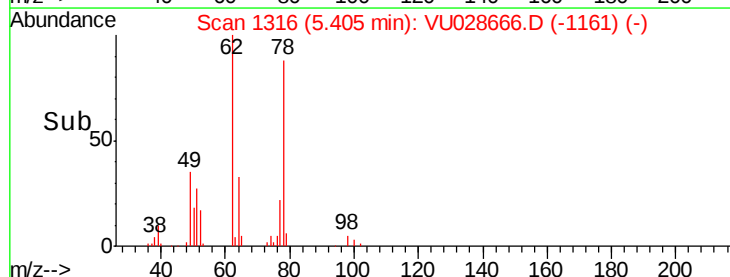
20000

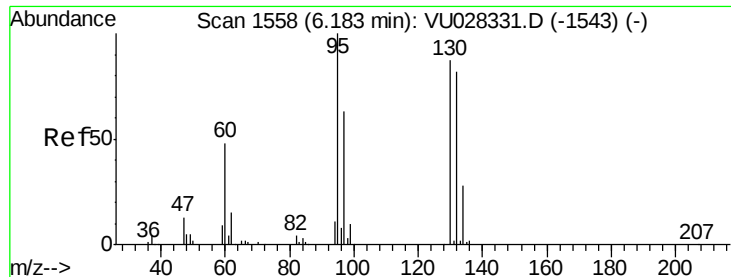
10000

0

5.30 5.35 5.40 5.45 5.50

Time-->





#37

Trichloroethene

Concen: 10.052 ug/l

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:130 Resp: 45052

Ion Ratio Lower Upper

130 100

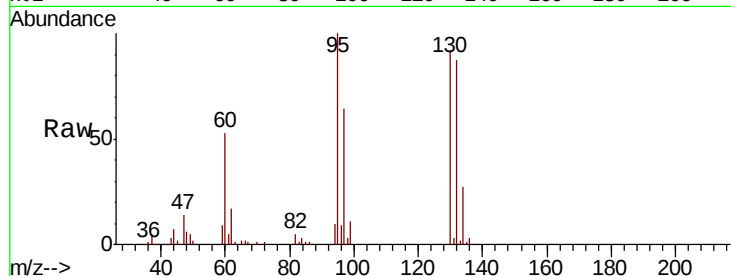
95 108.4 91.5 137.3

Manual Integrations

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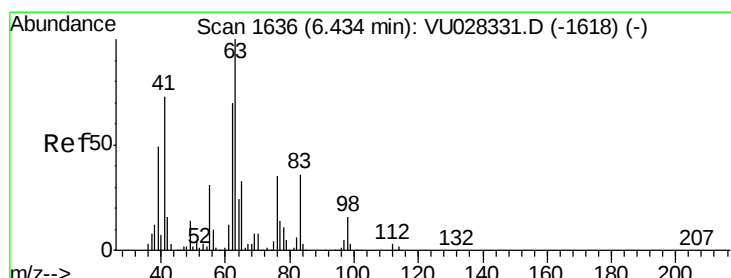
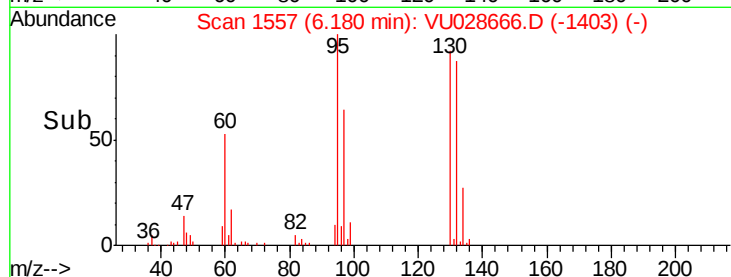


Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

6.18

Time-->



#38

1,2-Dichloropropane

Concen: 10.160 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028666.D

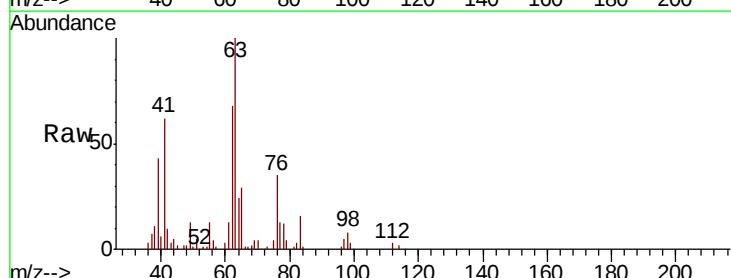
Acq: 13 Dec 2018 09:08

Tgt Ion: 63 Resp: 59621

Ion Ratio Lower Upper

63 100

65 29.1 26.2 39.4

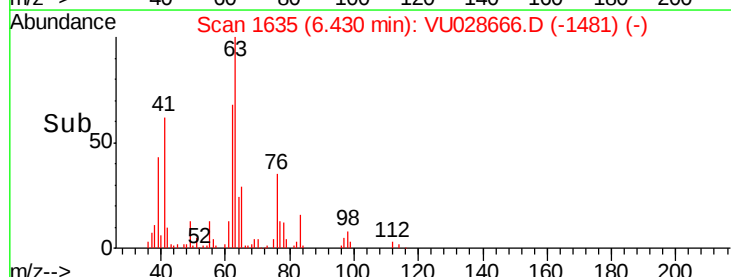


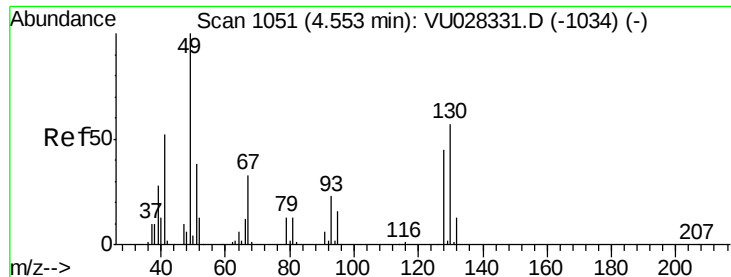
Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)

6.43

Time-->





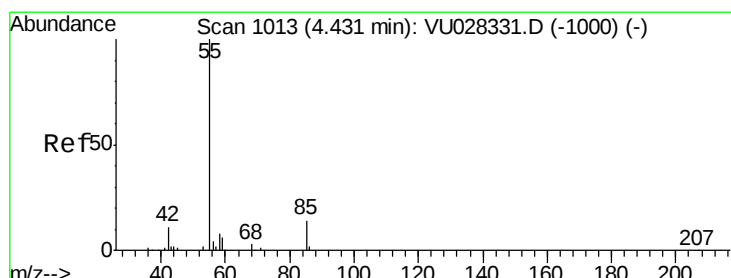
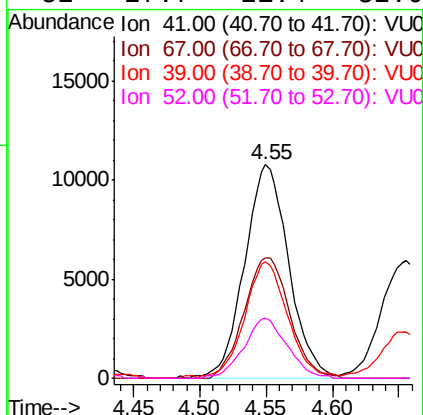
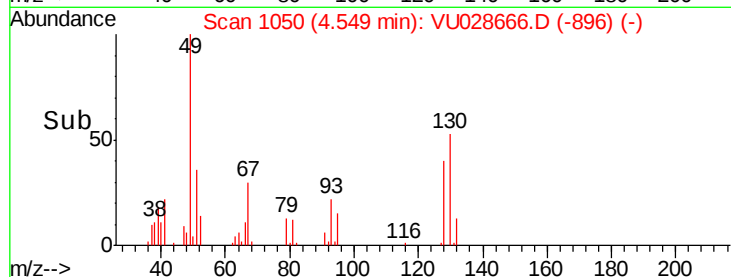
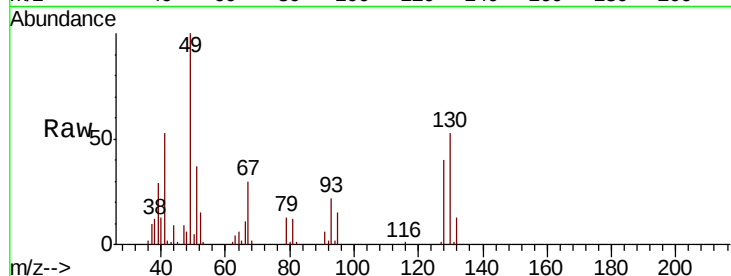
#39
Methacrylonitrile
Concen: 10.875 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	41	Resp	25031
Ion	Ratio	Lower	Upper
41	100		
67	58.2	48.2	72.4
39	53.3	42.9	64.3
52	27.7	21.4	32.0

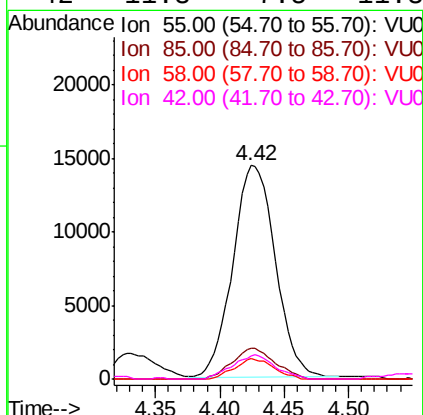
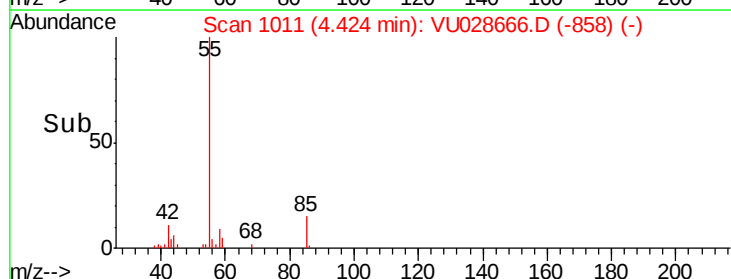
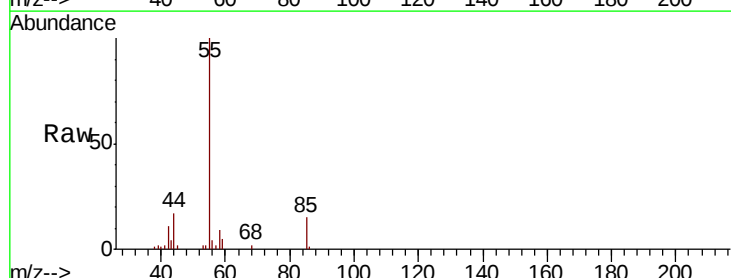
Manual Integrations
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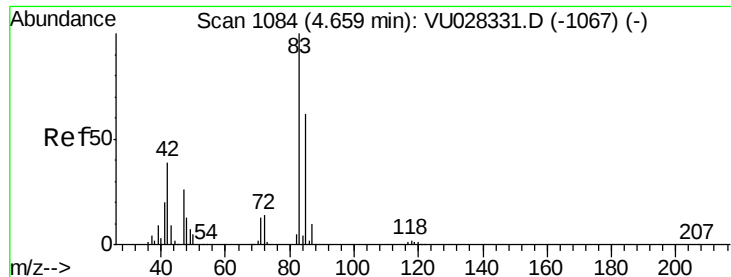
MMDadoda
12/14/2018 9:32:14 AM



#40
Methyl acrylate
Concen: 10.466 ug/l
RT: 4.42 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	55	Resp	33141
Ion	Ratio	Lower	Upper
55	100		
85	14.5	10.9	16.3
58	8.8	6.4	9.6
42	11.3	7.5	11.3#





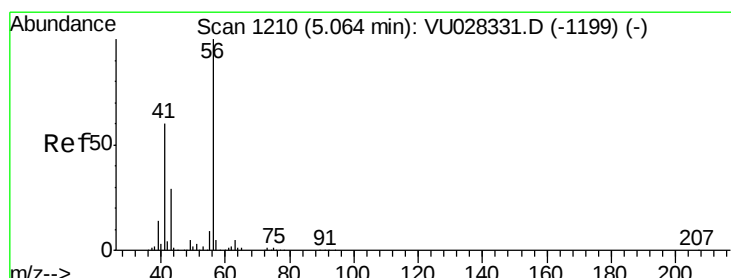
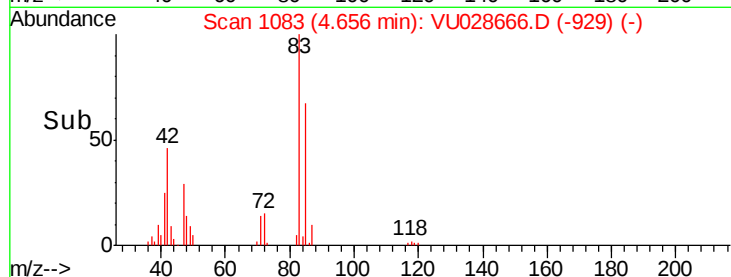
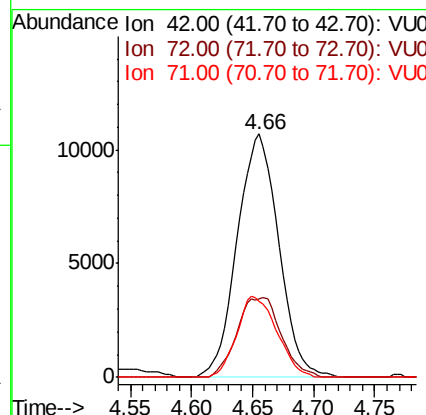
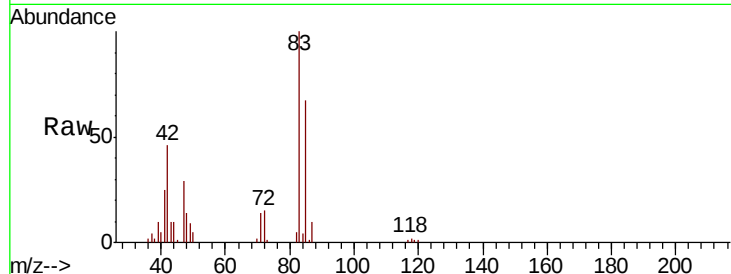
#41
Tetrahydrofuran
Concen: 21.834 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	29.8	44.6
71	32.0	25.9	38.9

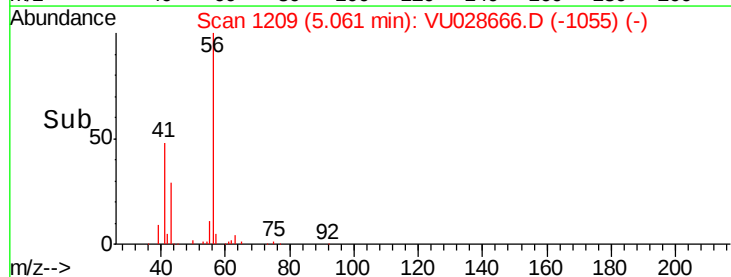
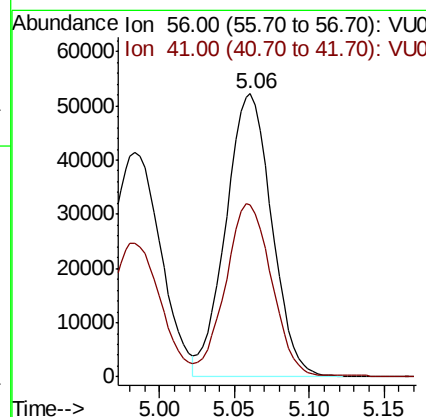
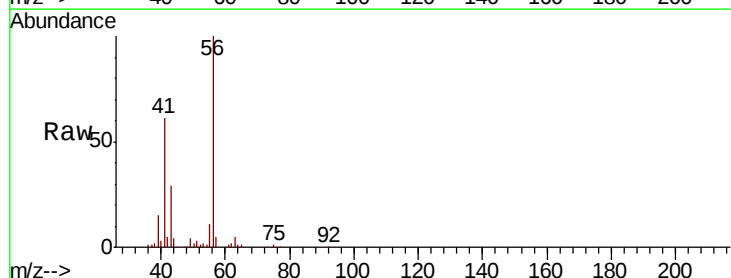
Manual Integrations
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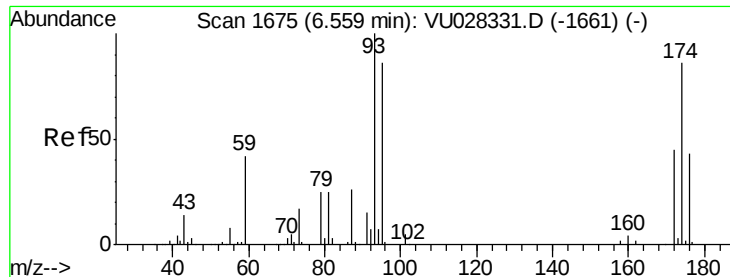
MMDadoda
12/14/2018 9:32:14 AM



#42
1-Chlorobutane
Concen: 9.990 ug/l
RT: 5.06 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
56	100		
41	60.9	29.8	89.3





#43

Dibromomethane

Concen: 10.161 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

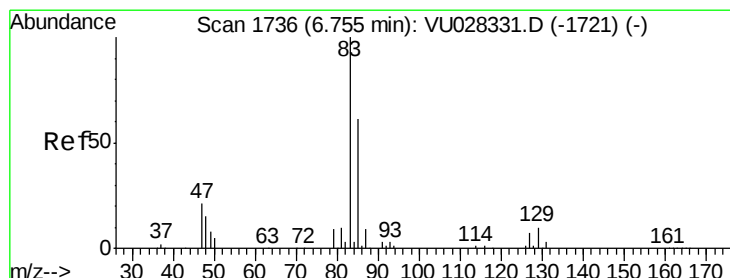
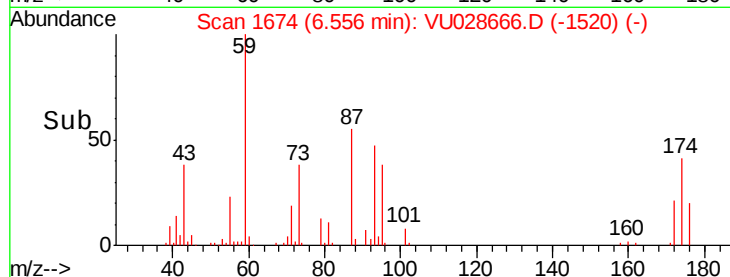
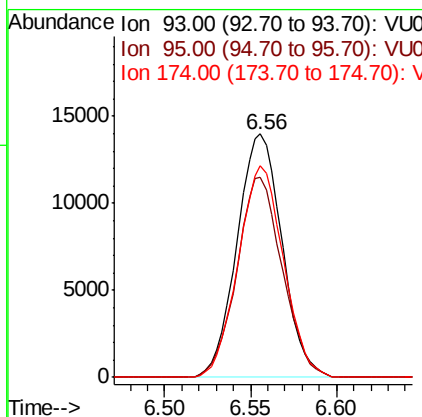
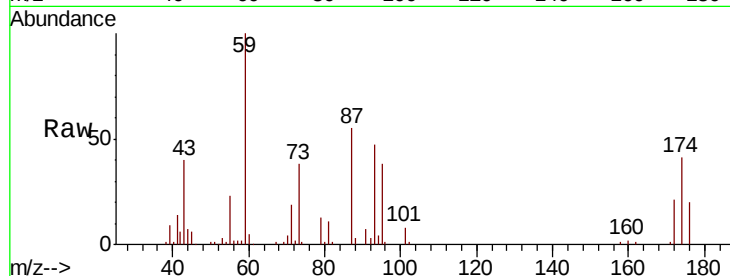
ClientSampleId :

VSTDCCC010

Tot Ion:	93	Resp:	25383
Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.6	99.8
174	87.2	69.4	104.2

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#44

Bromodichloromethane

Concen: 9.937 ug/l

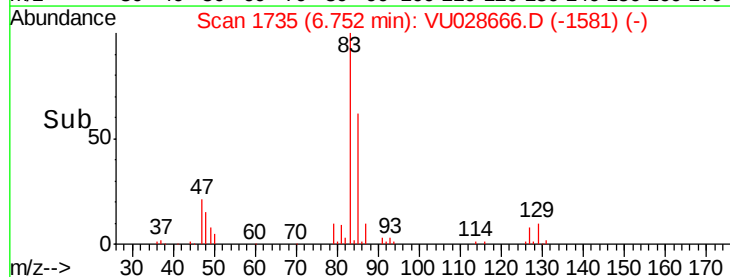
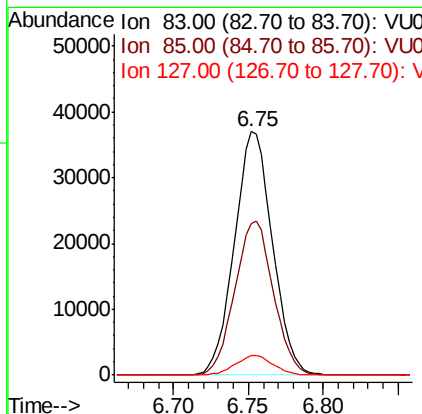
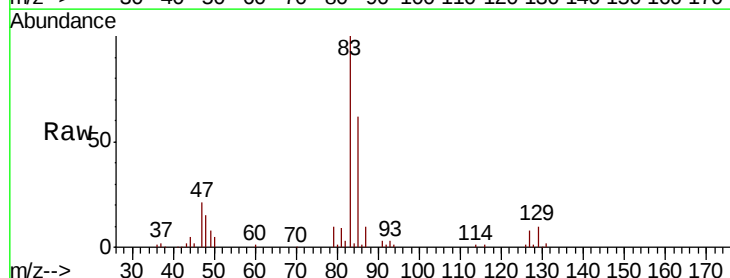
RT: 6.75 min Scan# 1735

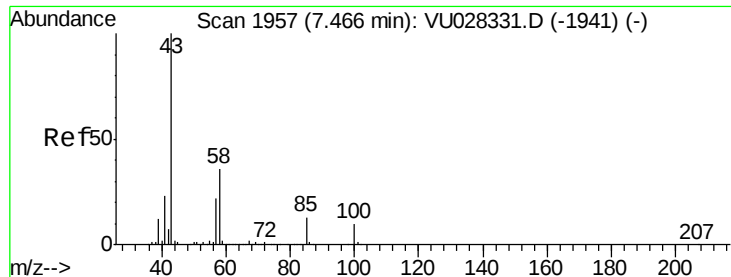
Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	83	Resp:	65546
Ion	Ratio	Lower	Upper
83	100		
85	62.5	49.0	73.6
127	7.8	5.7	8.5





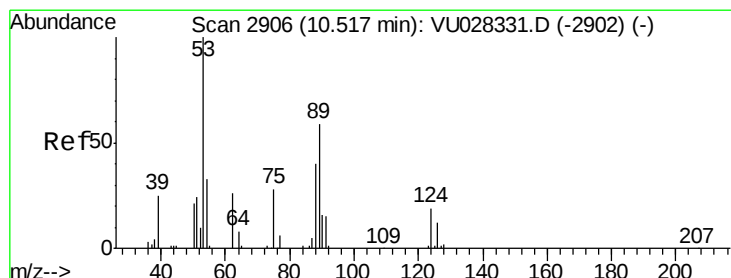
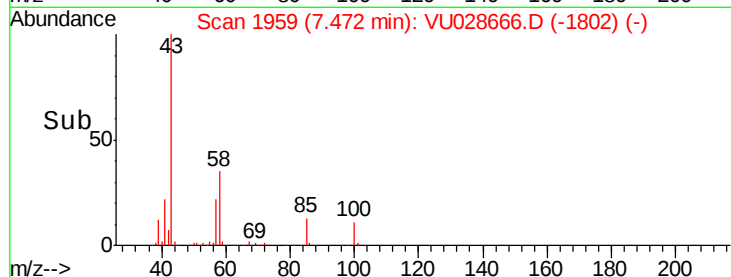
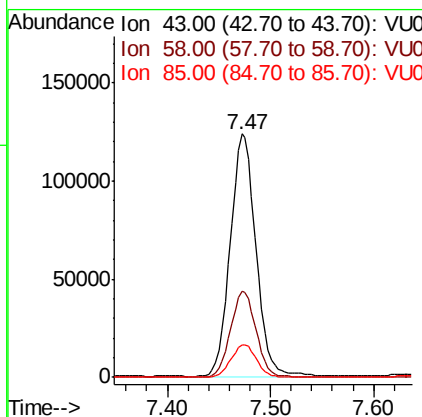
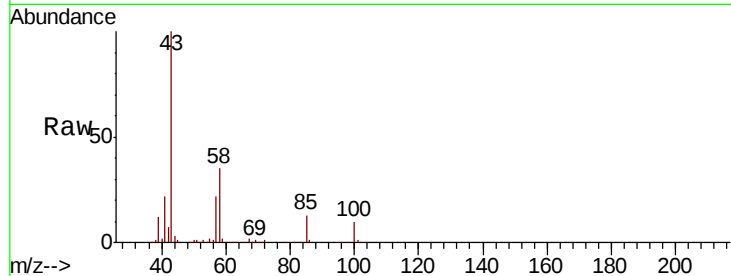
#45
4-Methyl-2-Pentanone
Concen: 53.405 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.5	17.9	53.7
85	13.5	10.8	16.2

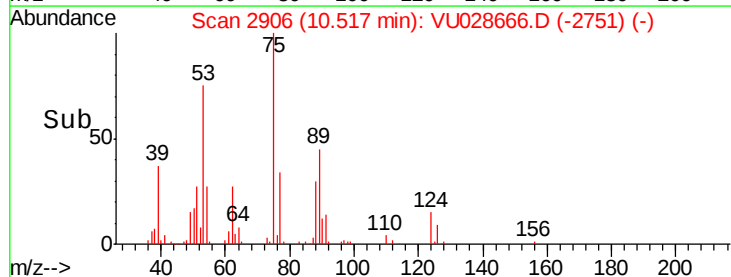
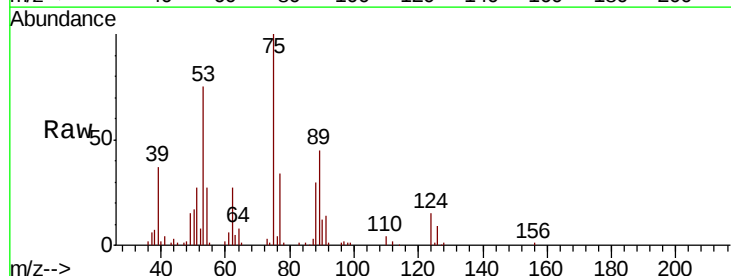
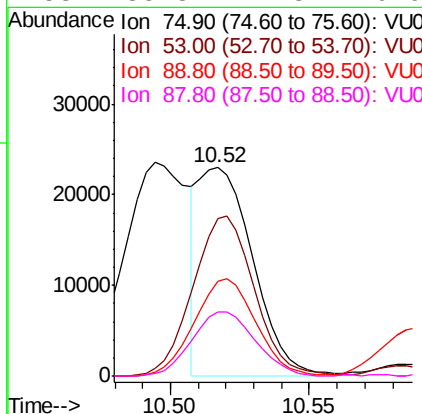
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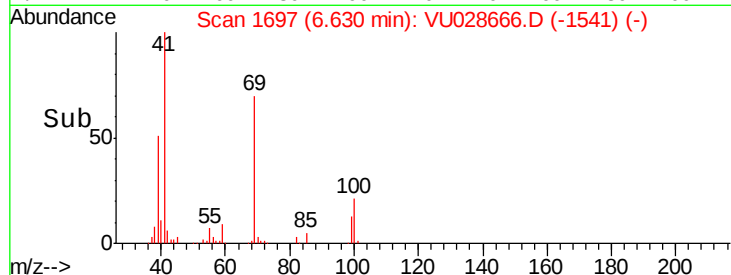
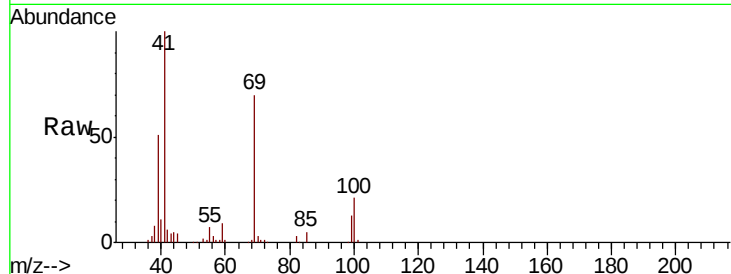
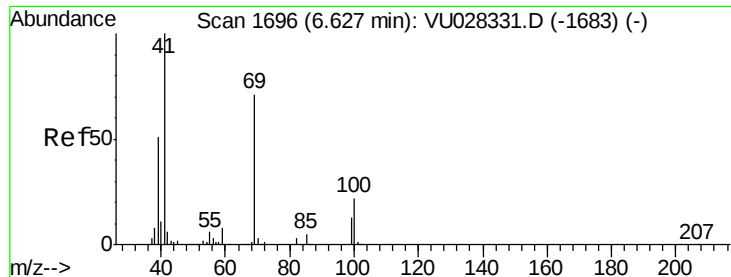
MMDadoda
12/14/2018 9:32:14 AM



#46
t-1,4-Dichloro-2-butene
Concen: 21.236 ug/l m
RT: 10.52 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.9	65.0	97.6
89	52.9	38.6	58.0
88	35.8	27.3	40.9





#47

Methyl methacrylate

Concen: 21.189 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU028666.D

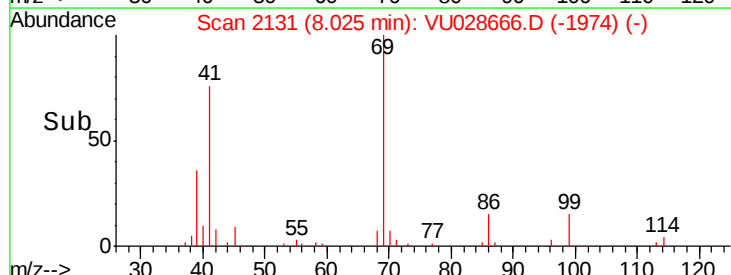
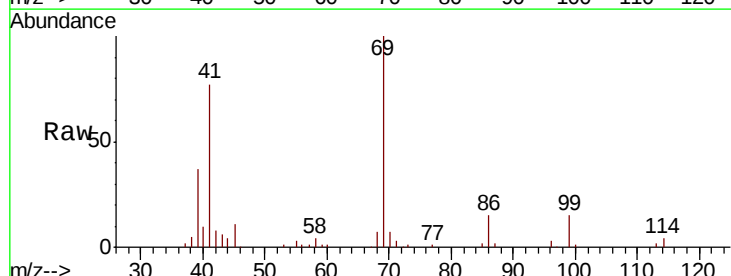
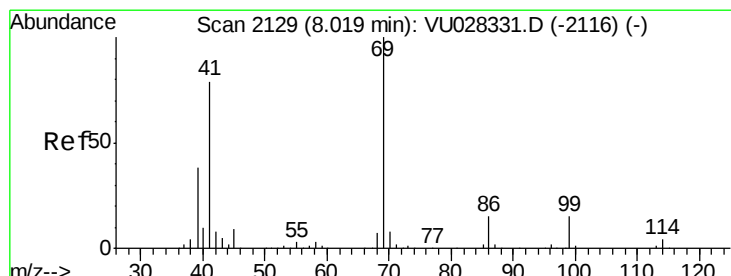
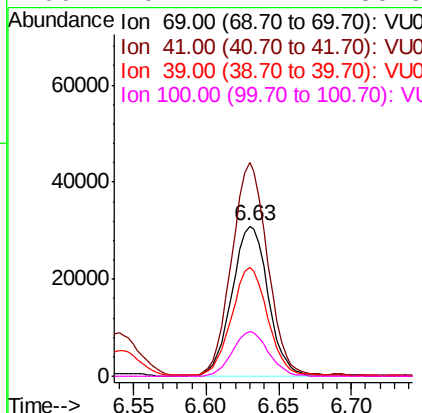
Acq: 13 Dec 2018 09:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	139.4	0.0	277.2		
39	71.9	57.6	86.4		
100	29.4	24.4	36.6		

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Manual Integrations
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12/14/2018 9:32:14 AM



#48

Ethyl methacrylate

Concen: 11.046 ug/l

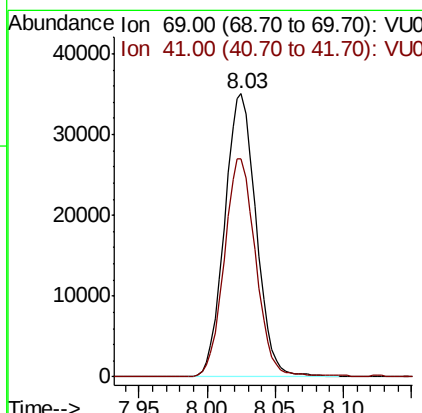
RT: 8.03 min Scan# 2131

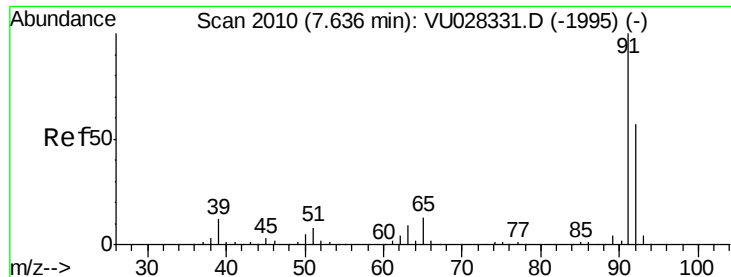
Delta R.T. 0.01 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	76.8	39.4	118.2		





#49

Toluene

Concen: 10.517 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 120187

Ion Ratio Lower Upper

92 100

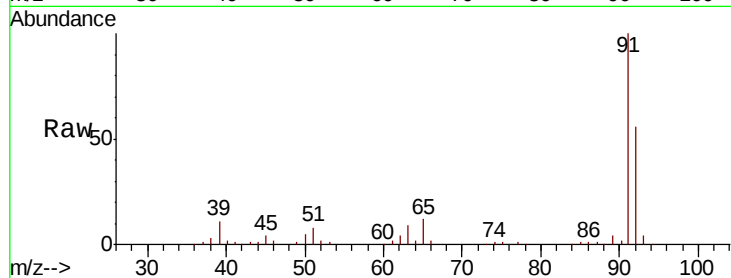
91 175.6 141.5 212.3

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)

Ion 91.00 (90.70 to 91.70): VU028331.D (-1995) (-)

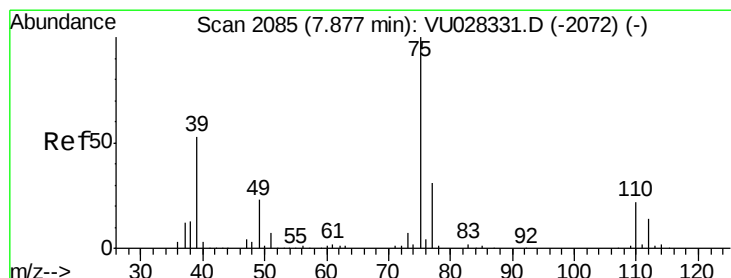
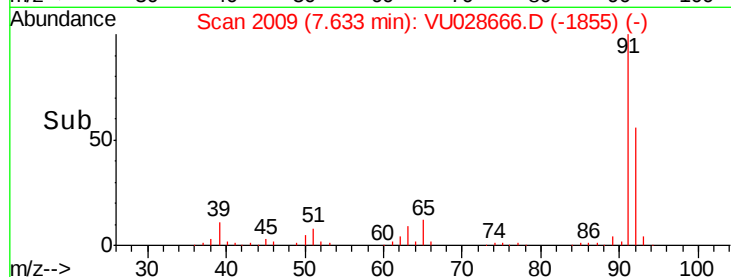
7.63

100000

50000

0

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.575 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028666.D

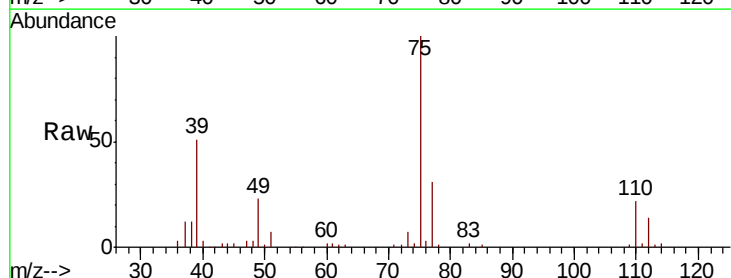
Acq: 13 Dec 2018 09:08

Tgt Ion: 75 Resp: 67001

Ion Ratio Lower Upper

75 100

77 31.1 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)

Ion 77.00 (76.70 to 77.70): VU028331.D (-2072) (-)

7.88

40000

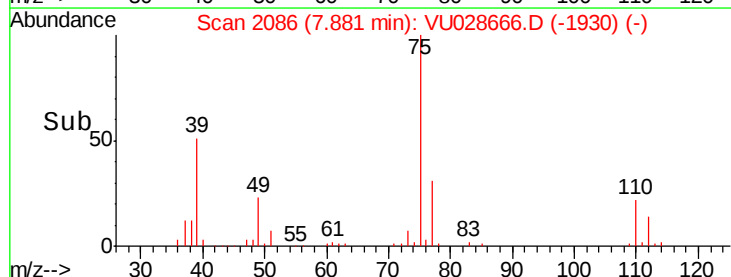
30000

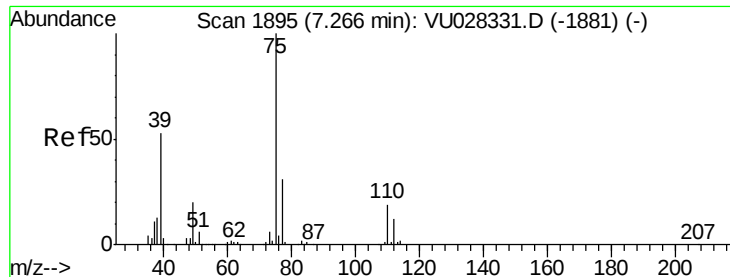
20000

10000

0

Time-->





#51

cis-1,3-Dichloropropene

Concen: 10.488 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

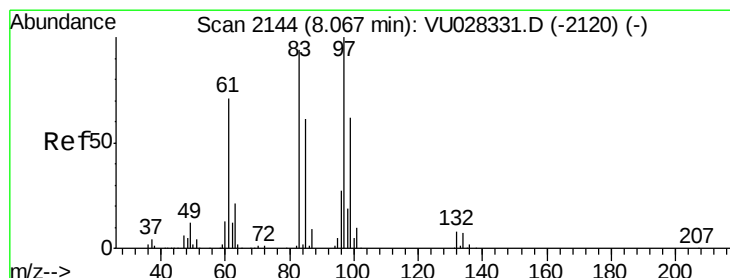
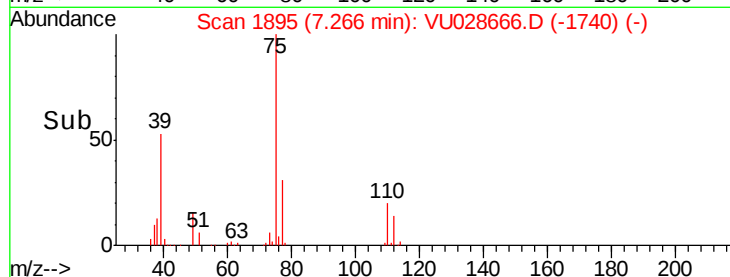
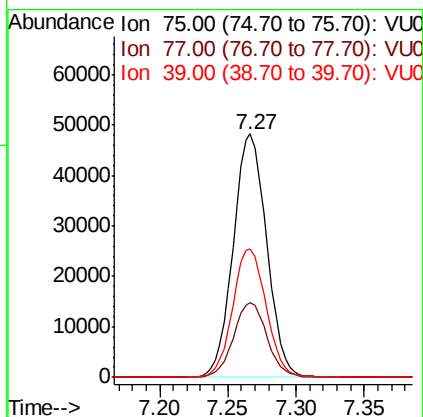
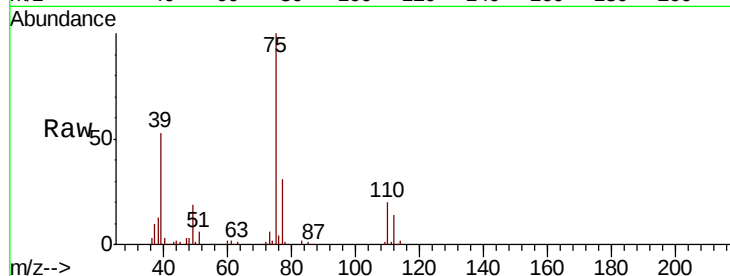
ClientSampleId :

VSTDCCC010

Tot Ion:	75	Resp:	82053
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	52.9	42.8	64.2

Manual Integrations
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#52

1,1,2-Trichloroethane

Concen: 10.479 ug/l

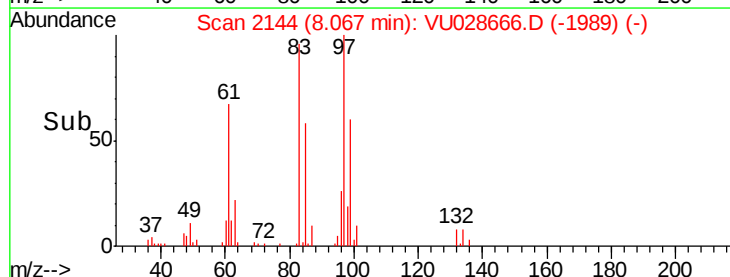
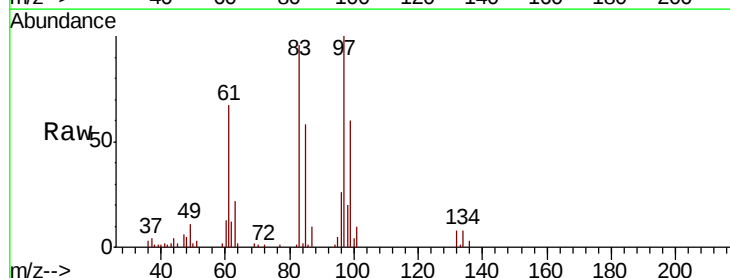
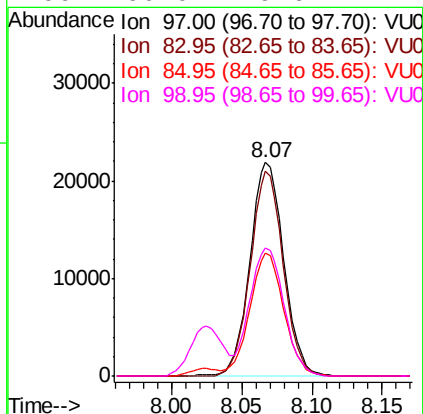
RT: 8.07 min Scan# 2144

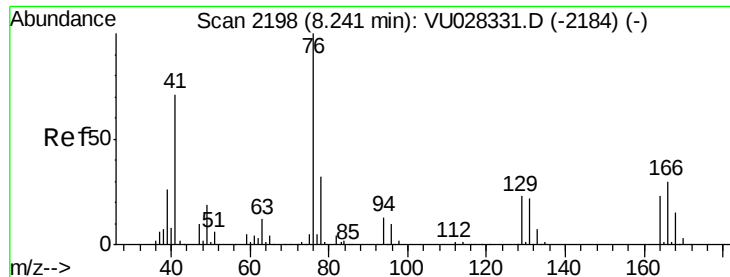
Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	97	Resp:	36752
Ion	Ratio	Lower	Upper
97	100		
83	95.6	75.1	112.7
85	57.6	48.7	73.1
99	60.0	49.6	74.4





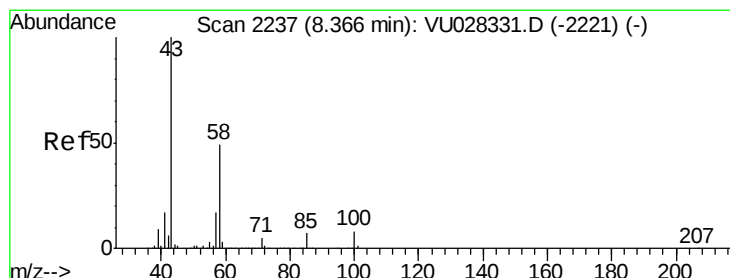
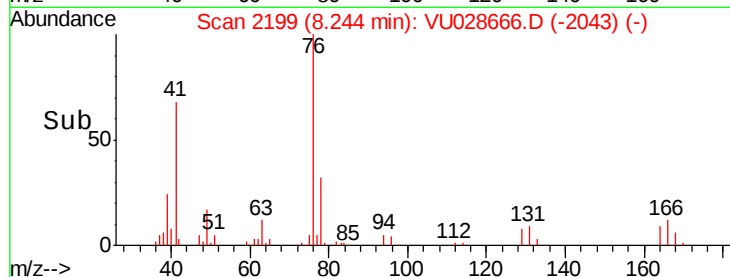
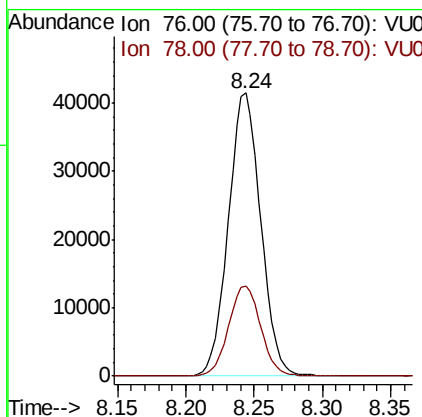
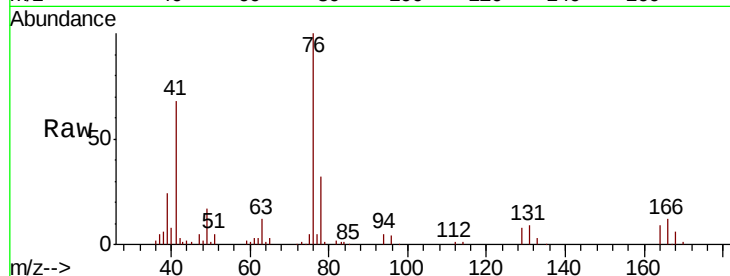
#53
 1,3-Dichloropropane
 Concen: 10.436 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 76 Resp: 68371
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.4 38.0

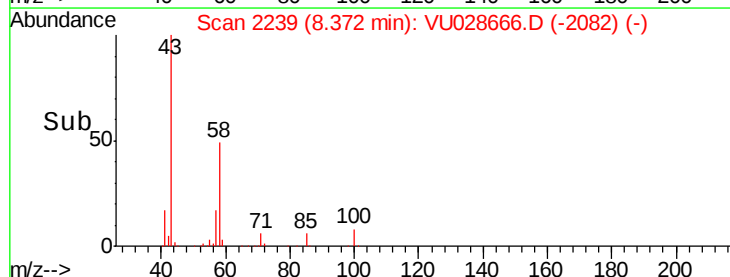
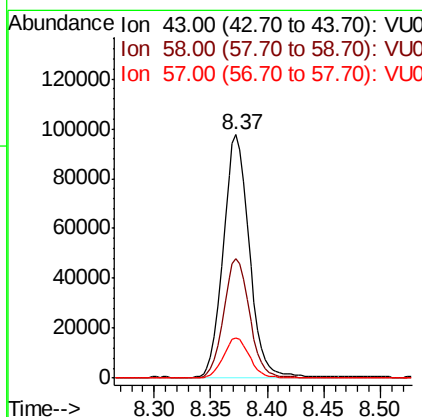
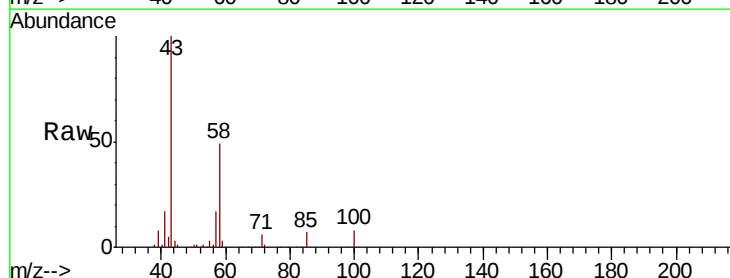
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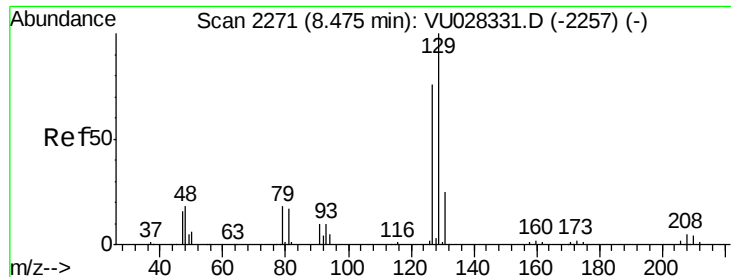
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#54
 2-Hexanone
 Concen: 53.605 ug/l
 RT: 8.37 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion: 43 Resp: 154731
 Ion Ratio Lower Upper
 43 100
 58 49.8 29.3 69.3
 57 16.7 0.0 36.8





#55

Dibromochloromethane

Concen: 10.845 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:129 Resp: 40457

Ion Ratio Lower Upper

129 100

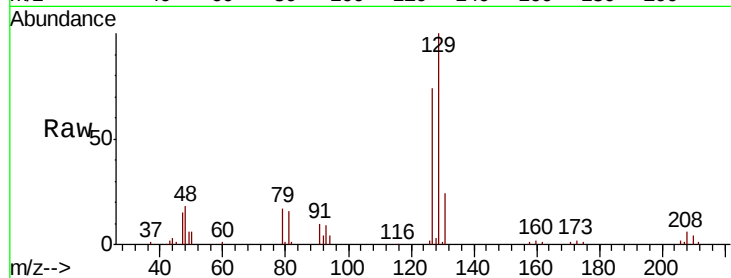
127 77.3 61.0 91.4

Manual Integrations

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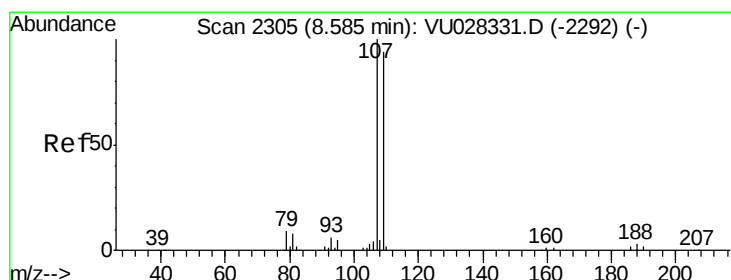
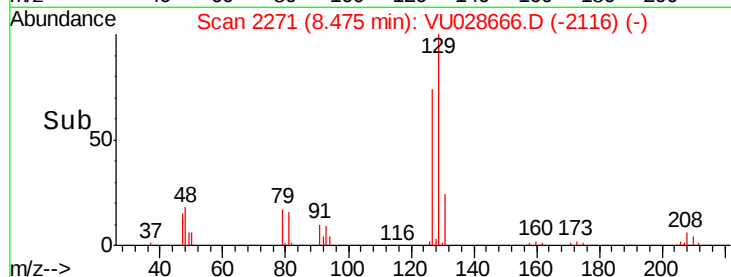
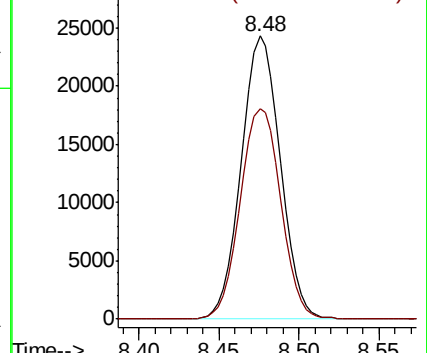
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.797 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028666.D

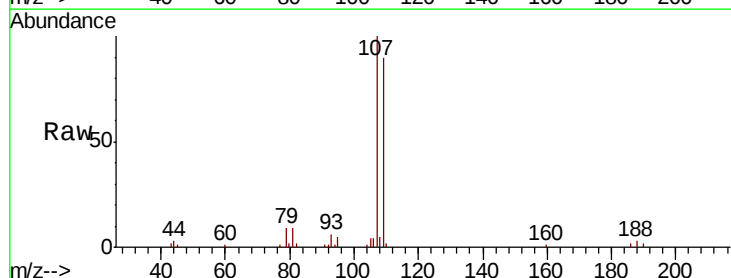
Acq: 13 Dec 2018 09:08

Tgt Ion:107 Resp: 34494

Ion Ratio Lower Upper

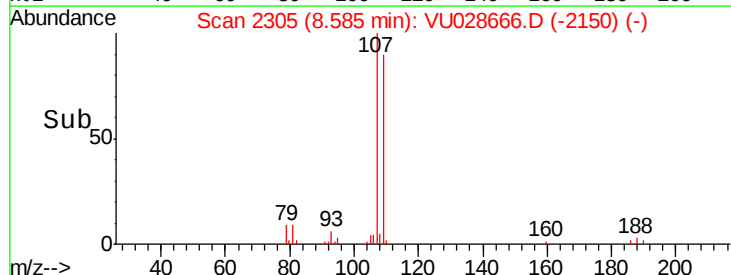
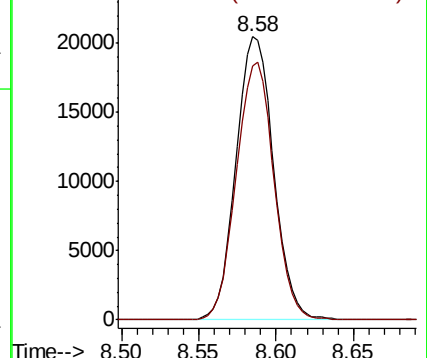
107 100

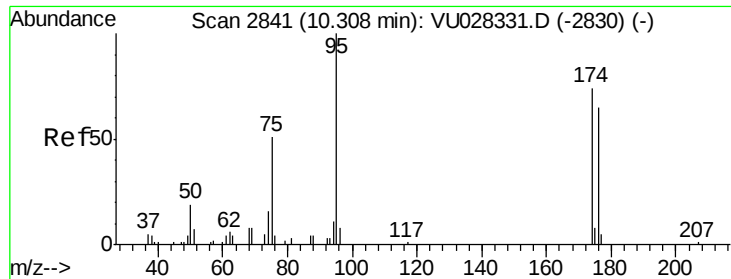
109 91.2 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





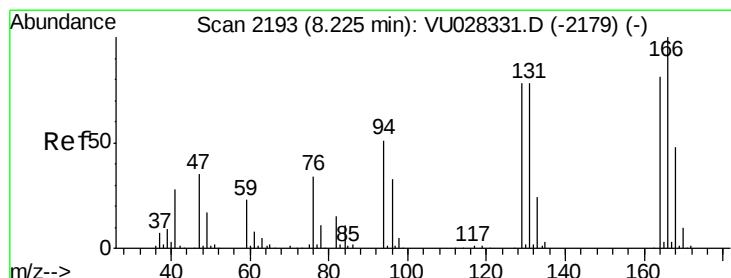
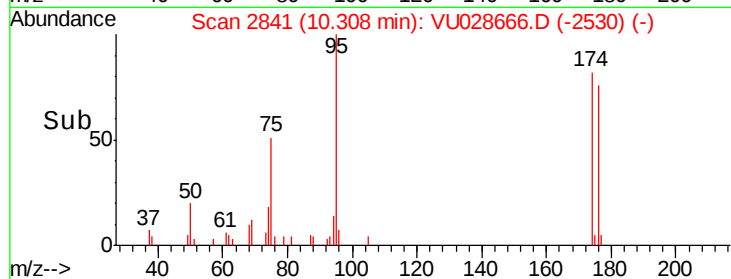
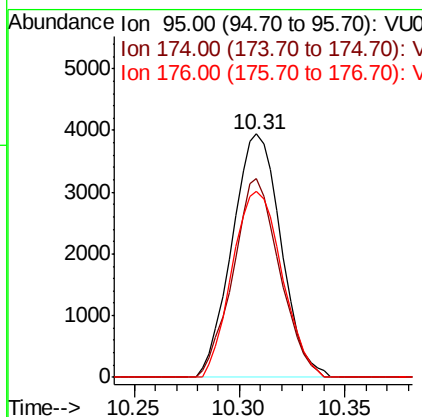
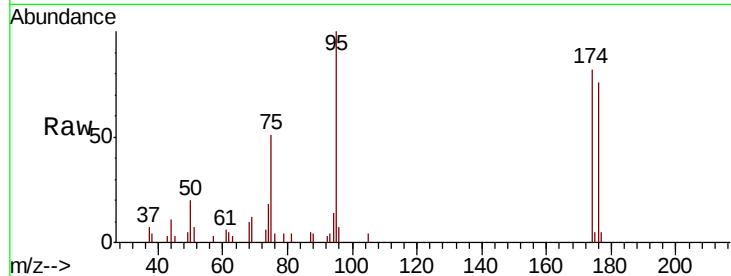
#57
4-Bromofluorobenzene
Concen: 10.797 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.5	59.3	88.9
176	77.9	54.3	81.5

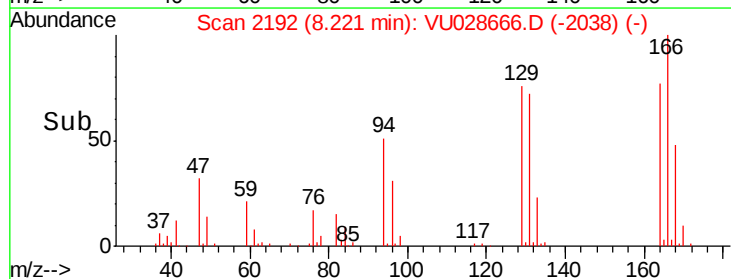
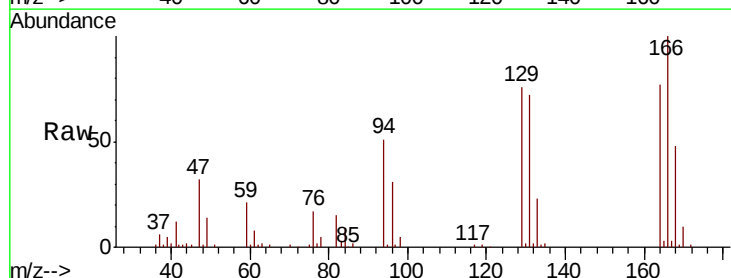
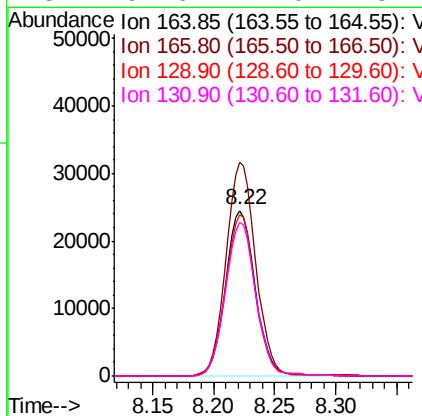
Manual Integrations
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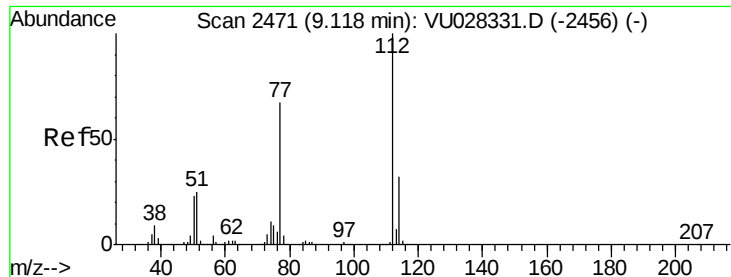
MMDadoda
12/14/2018 9:32:14 AM



#58
Tetrachloroethene
Concen: 10.221 ug/l
RT: 8.22 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	98.6	148.0
129	97.6	77.0	115.4
131	92.6	77.0	115.4





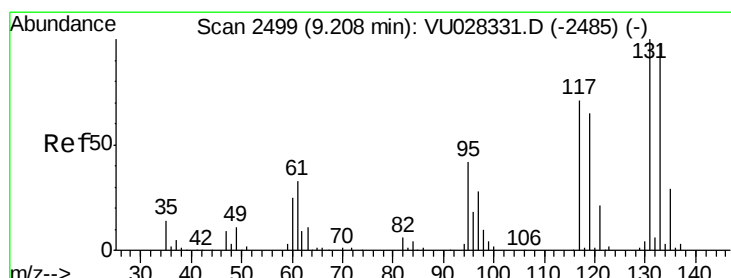
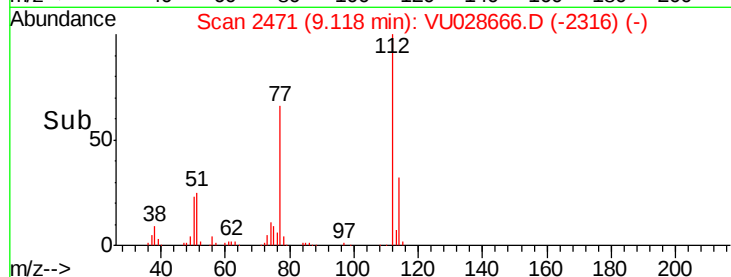
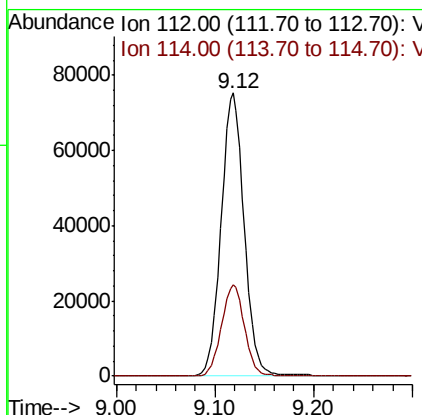
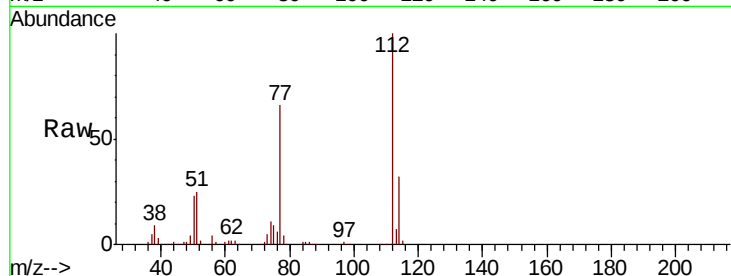
#59
Chlorobenzene
Concen: 10.428 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.2	37.8

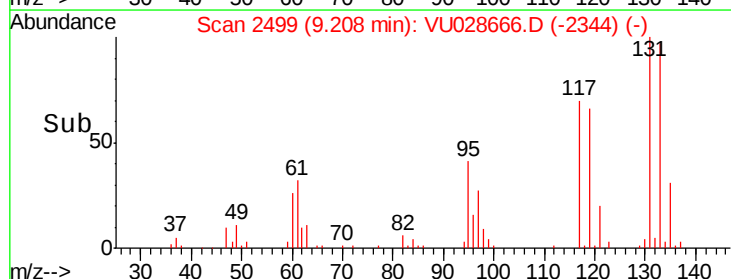
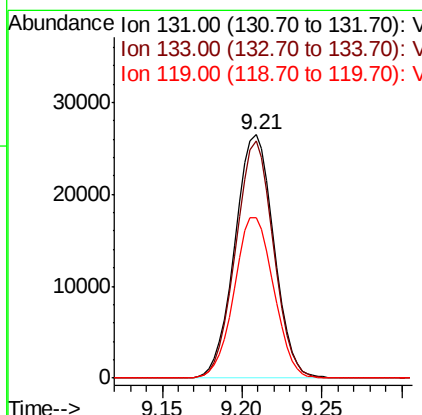
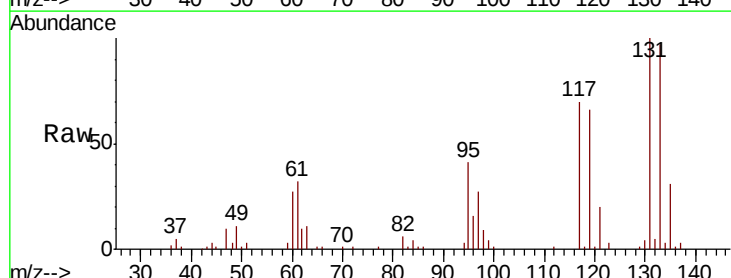
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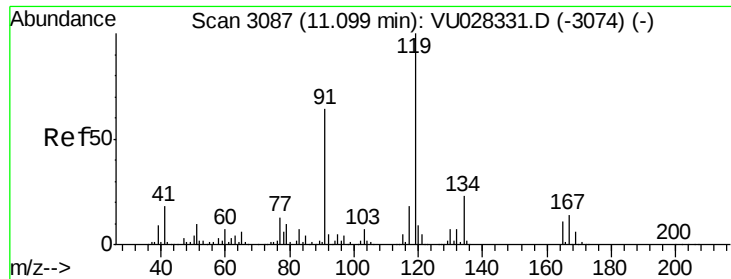
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.926 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	77.7	116.5
119	66.5	54.3	81.5





#61

Pentachloroethane

Concen: 11.367 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 35646

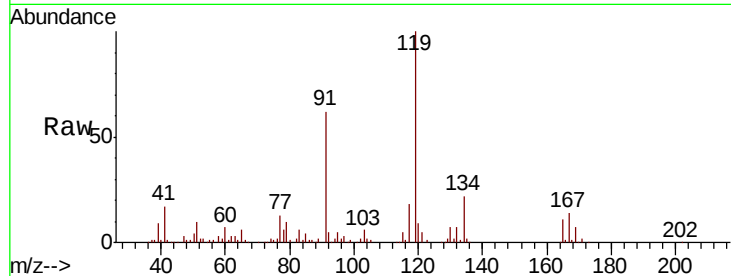
Ion Ratio Lower Upper

117 100

167 81.3 64.2 96.2

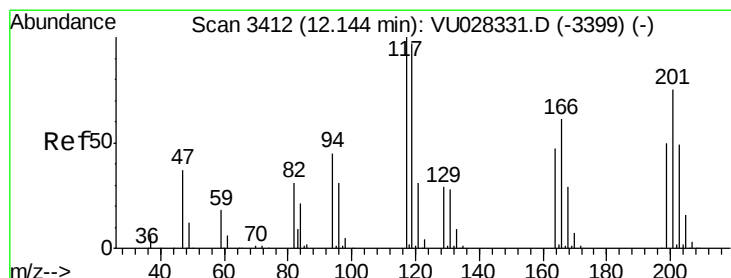
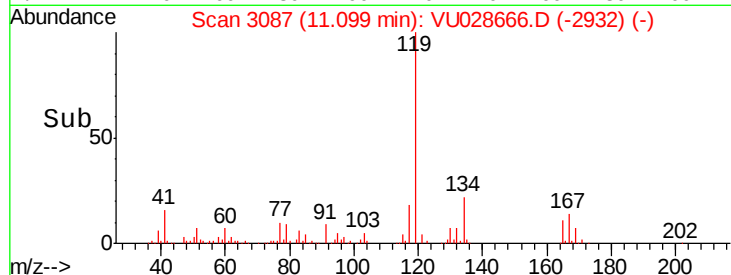
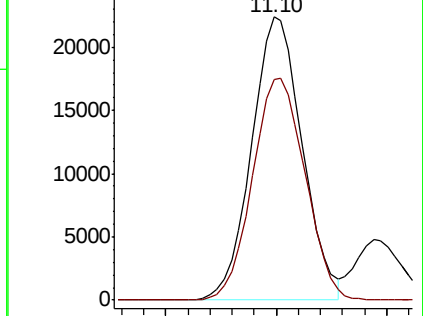
Manual Integrations
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MMDadoda
12/14/2018 9:32:14 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 12.024 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. -0.00 min

Lab File: VU028666.D

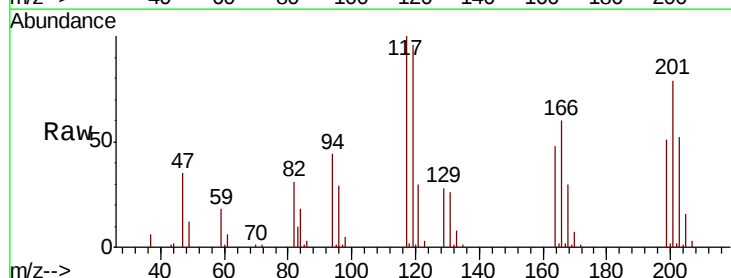
Acq: 13 Dec 2018 09:08

Tgt Ion:117 Resp: 35335

Ion Ratio Lower Upper

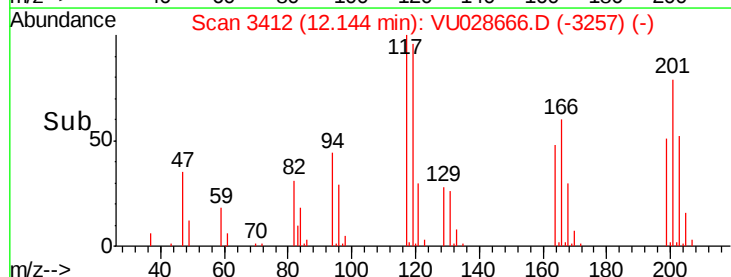
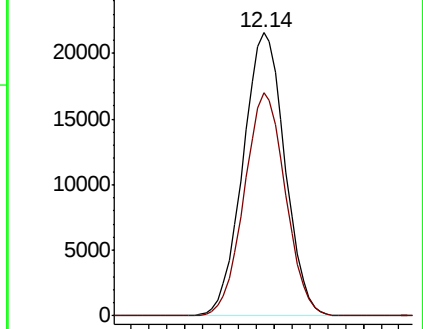
117 100

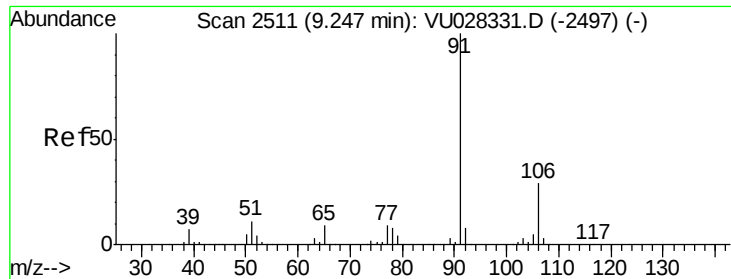
201 77.7 59.4 89.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





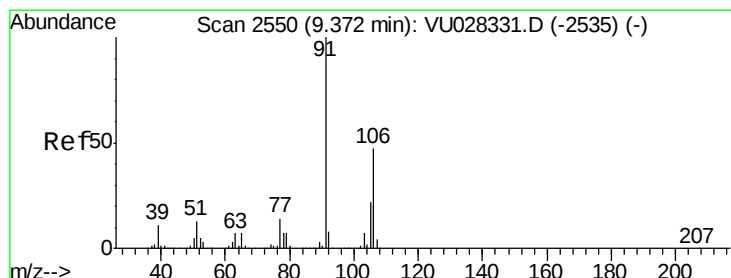
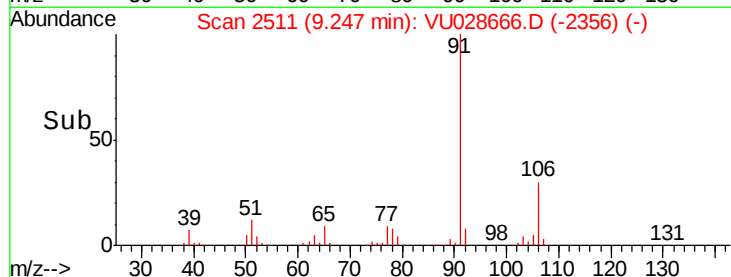
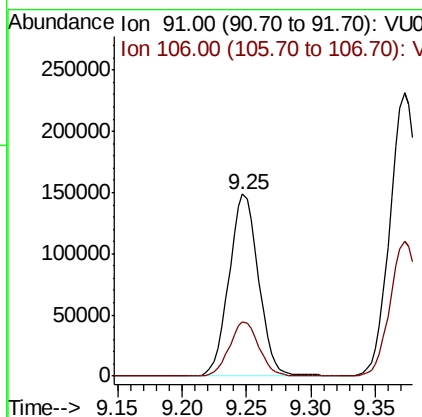
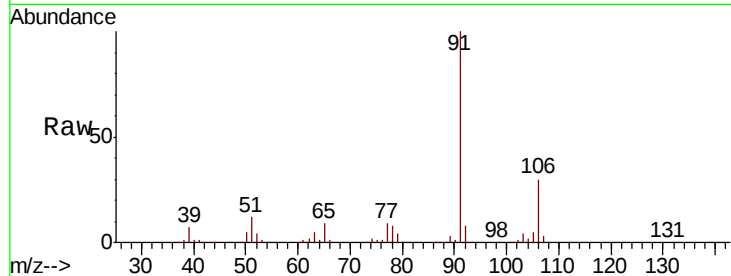
#63
Ethyl Benzene
Concen: 10.807 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 237141
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2

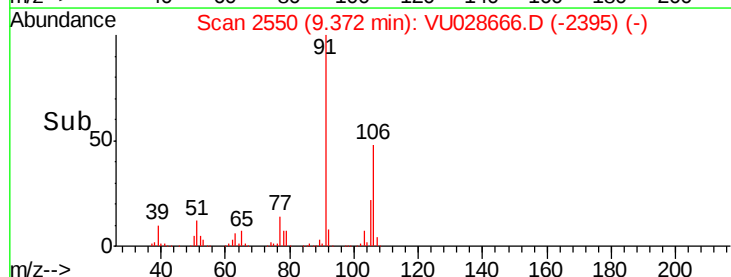
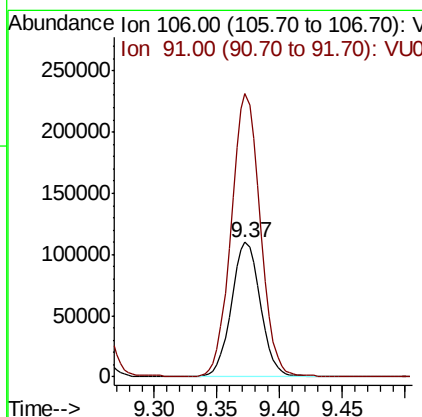
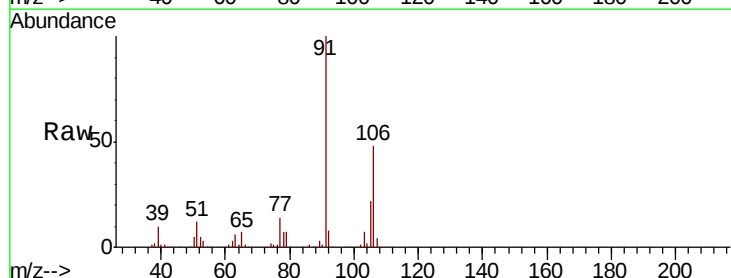
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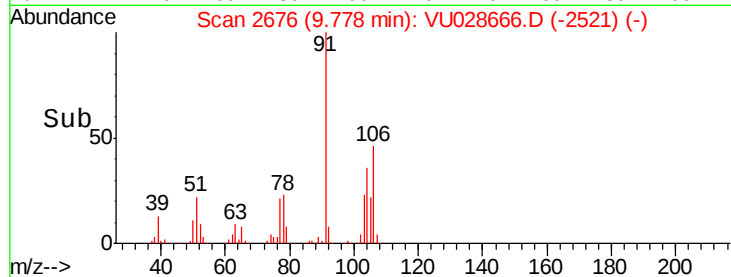
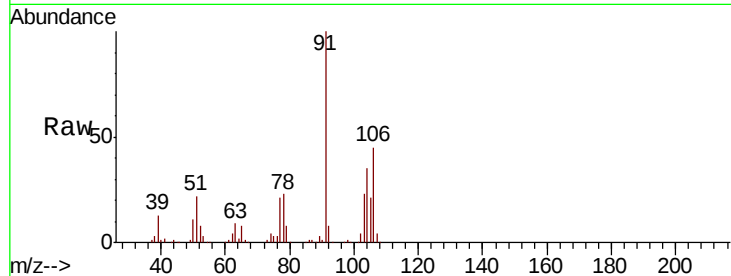
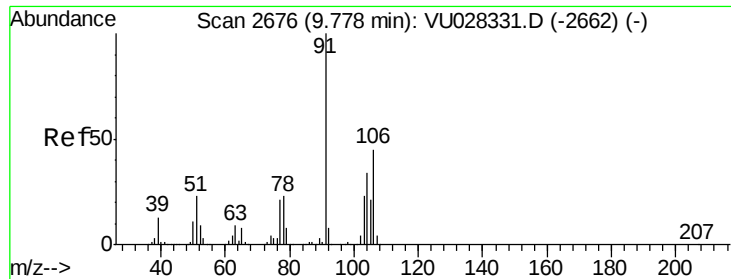
MMDadoda
12/14/2018 9:32:14 AM



#64
m/p-Xylenes
Concen: 22.231 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion: 106 Resp: 176533
Ion Ratio Lower Upper
106 100
91 210.9 170.6 256.0





#65

o-Xylene

Concen: 11.206 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tot Ion:106 Resp: 85865

Ion Ratio Lower Upper

106 100

91 222.6 112.3 337.0

Instrument :

MSVOA_U

ClientSampleId :

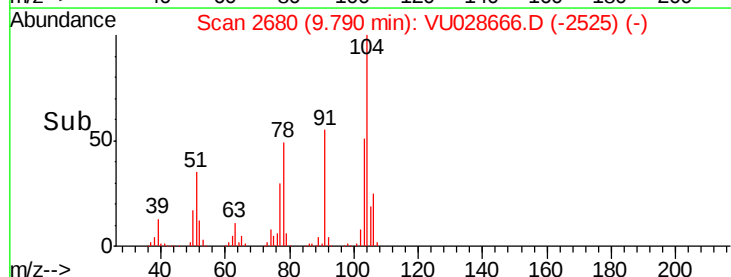
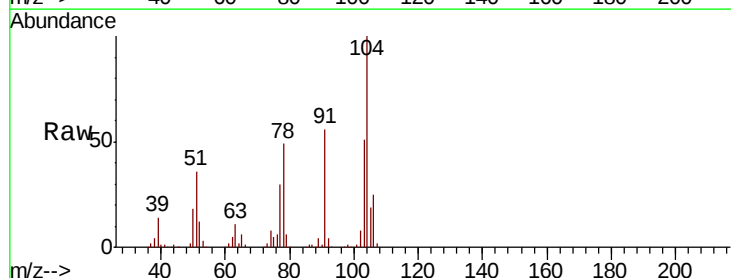
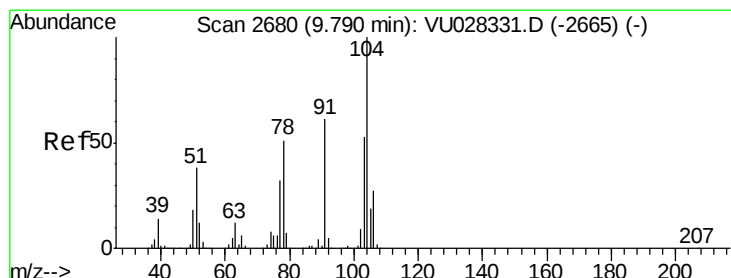
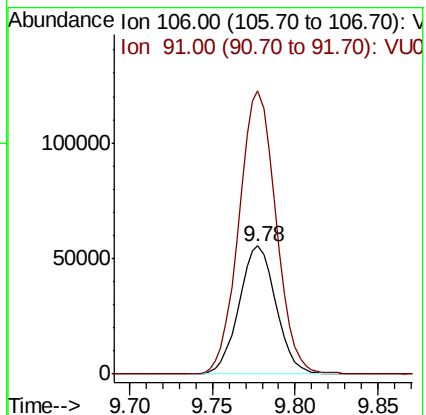
VSTDCCC010

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#66

Styrene

Concen: 11.490 ug/l

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

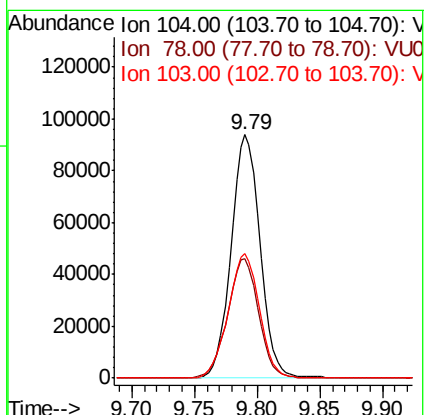
Tgt Ion:104 Resp: 151018

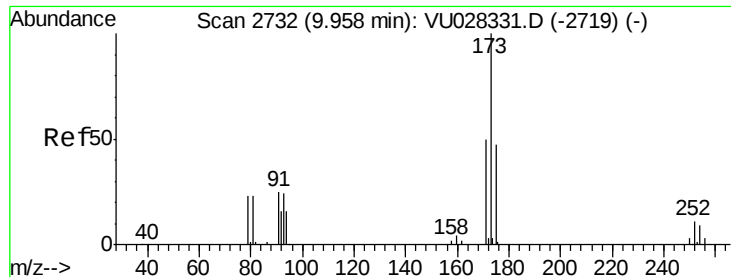
Ion Ratio Lower Upper

104 100

78 52.7 44.0 66.0

103 55.0 45.2 67.8





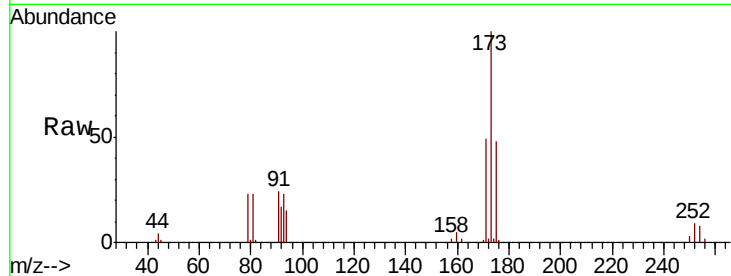
#67
Bromoform
Concen: 11.250 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.0	58.6
254	9.0	6.8	10.2

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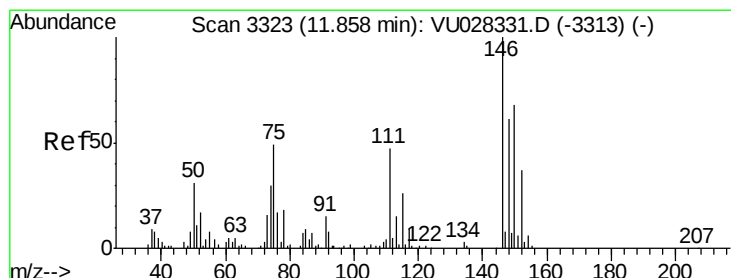
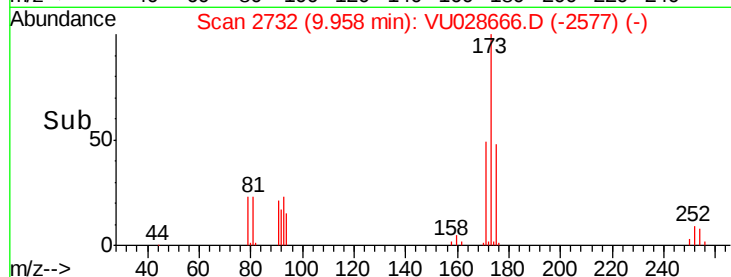
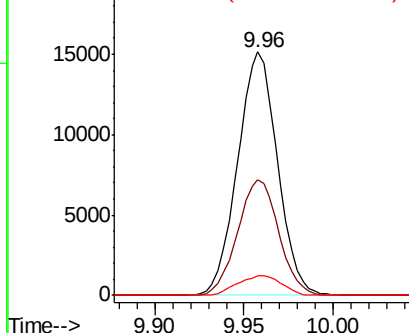


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 11.250 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

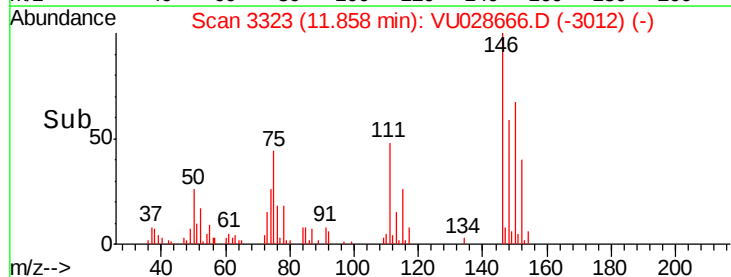
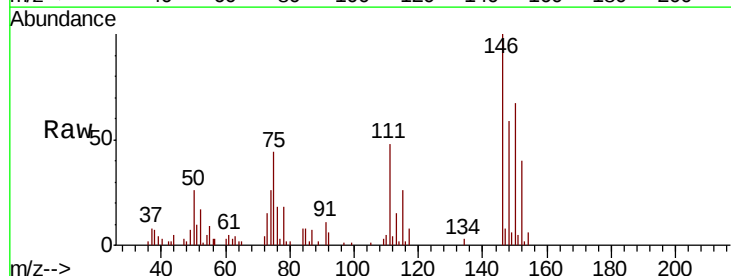
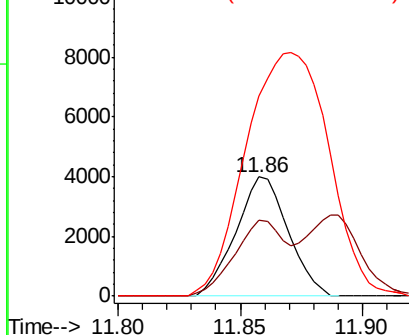
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	0.0	146.8
150	324.5	0.0	653.2

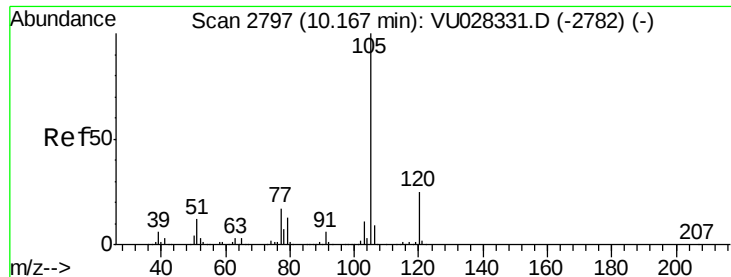
Abundance

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: 11.060 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 226935

Ion Ratio Lower Upper

105 100

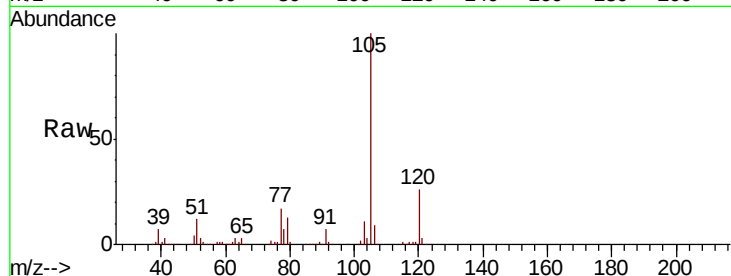
120 25.5 12.6 37.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.16

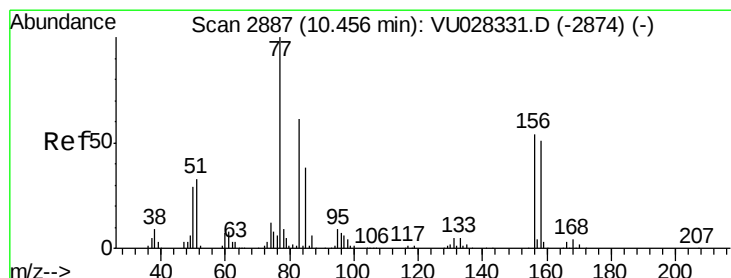
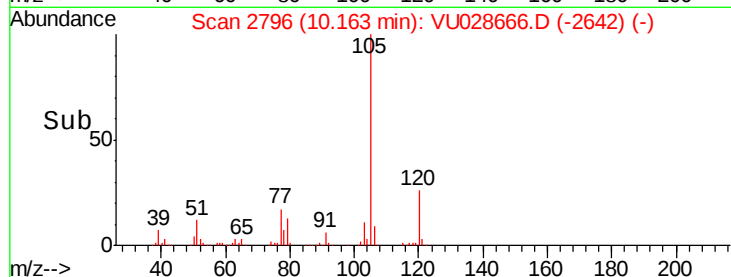
150000

100000

50000

0

Time-->



#70

1,1,2,2-Tetrachloroethane

Concen: 11.052 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

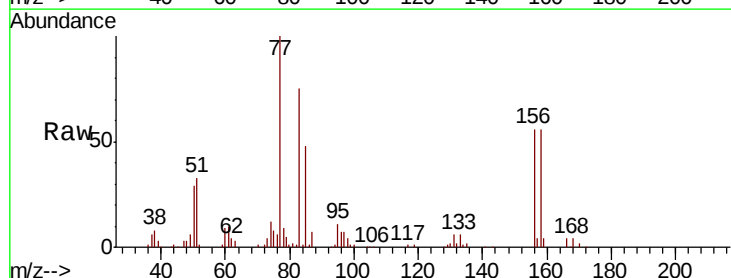
Tgt Ion: 83 Resp: 51996

Ion Ratio Lower Upper

83 100

131 8.5 6.6 9.8

85 63.3 50.5 75.7



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

40000

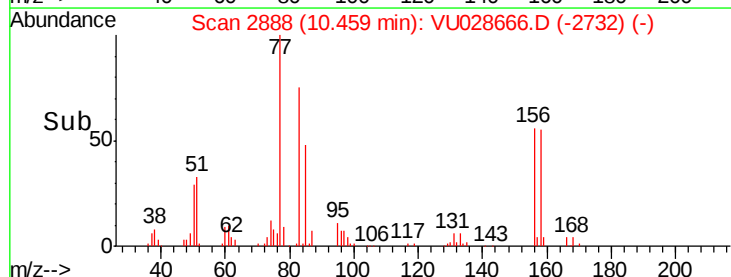
30000

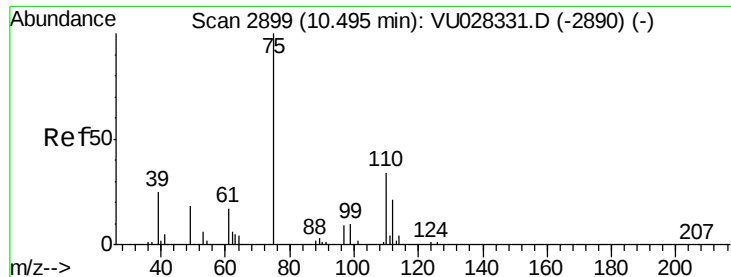
20000

10000

0

Time-->





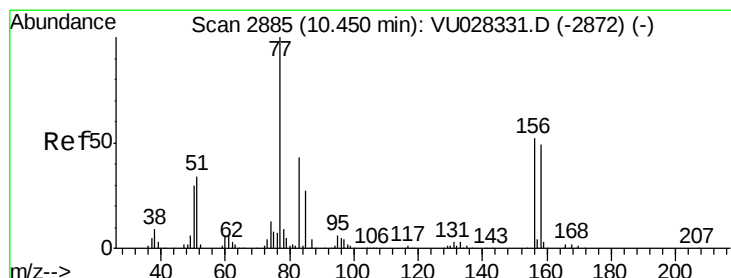
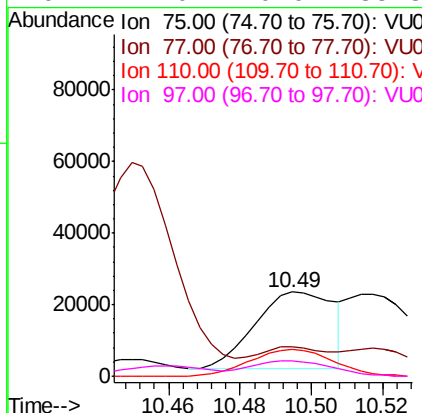
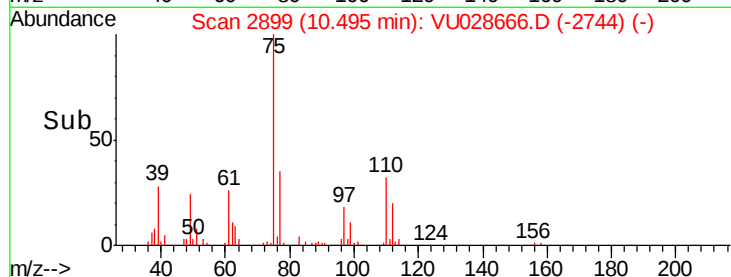
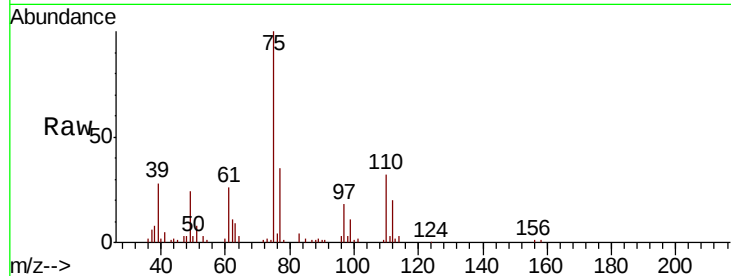
#71
1,2,3-Trichloropropane
Concen: 10.007 ug/l
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	9.2	0.0	0.0#
110	110	37.2	0.0	67.6
97	97	21.0	0.0	35.8

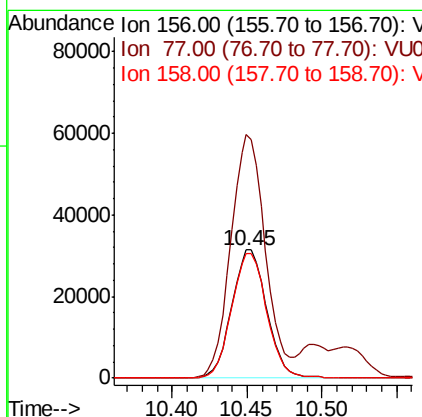
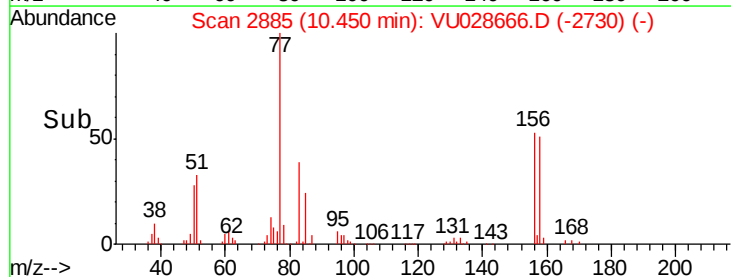
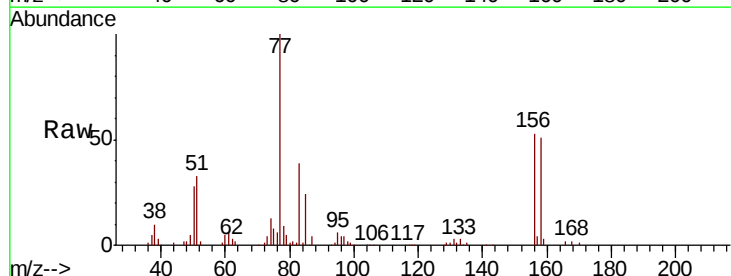
Manual Integrations
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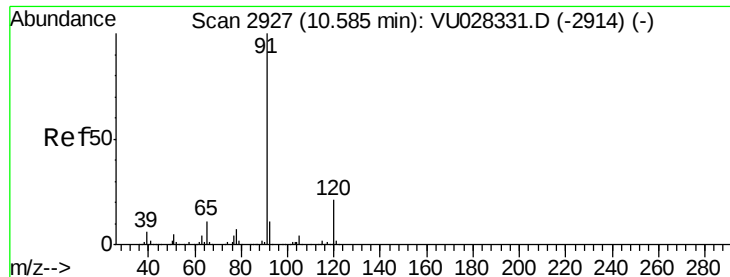
MMDadoda
12/14/2018 9:32:14 AM



#72
Bromobenzene
Concen: 11.249 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	186.4	0.0	380.4
158	158	97.8	0.0	191.2





#73

n-propylbenzene

Concen: 11.633 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 61906

Ion Ratio Lower Upper

120 100

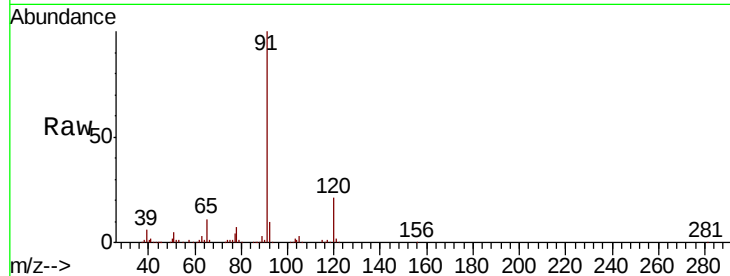
91 482.3 388.1 582.1

Manual Integrations

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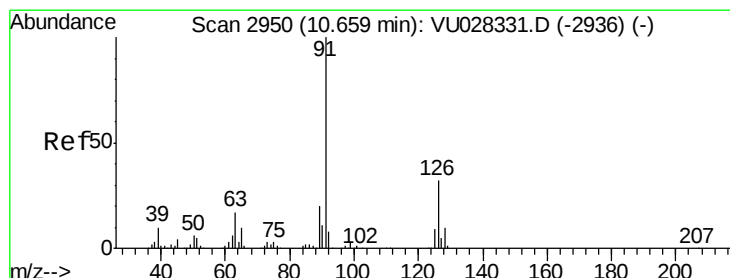
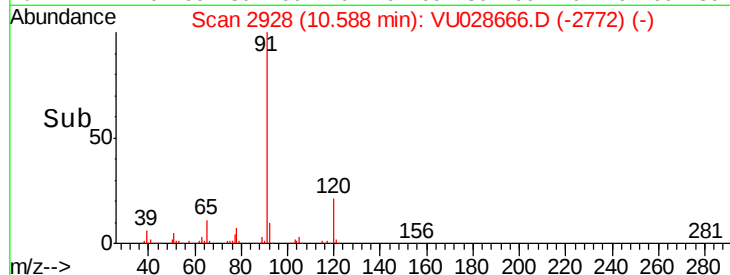
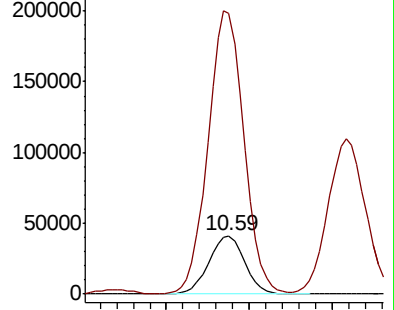
MMDadoda

12/14/2018 9:32:14 AM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 11.550 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028666.D

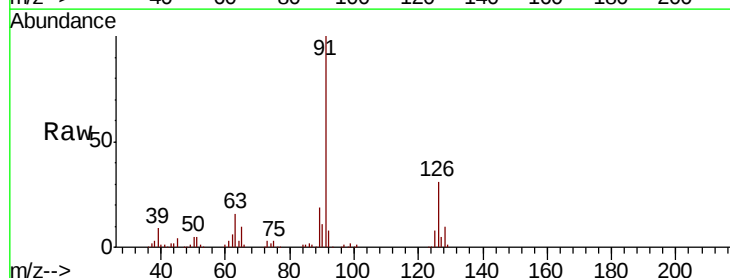
Acq: 13 Dec 2018 09:08

Tgt Ion:126 Resp: 53860

Ion Ratio Lower Upper

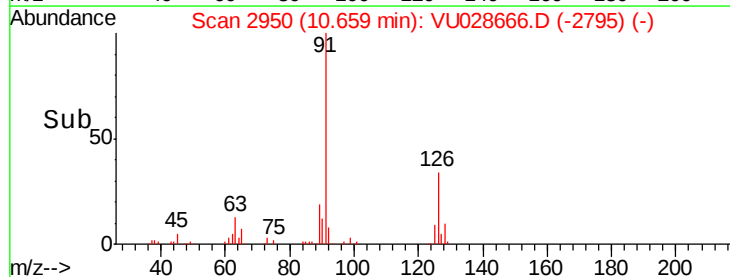
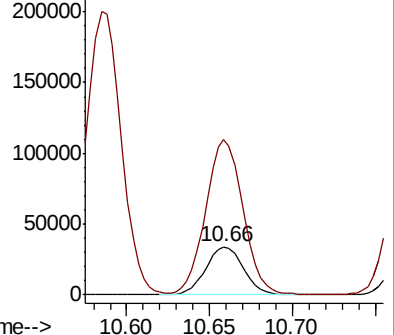
126 100

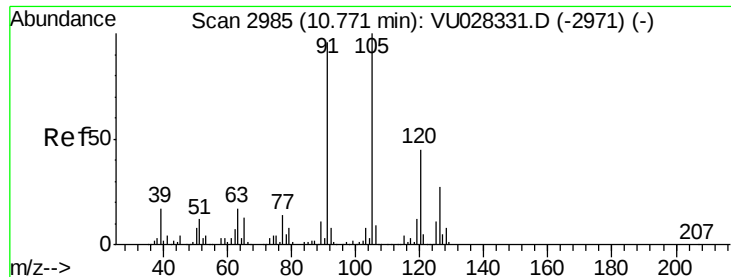
91 315.1 0.0 661.0



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: 11.518 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 198904

Ion Ratio Lower Upper

105 100

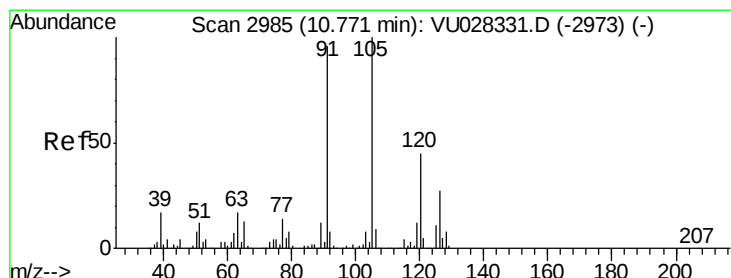
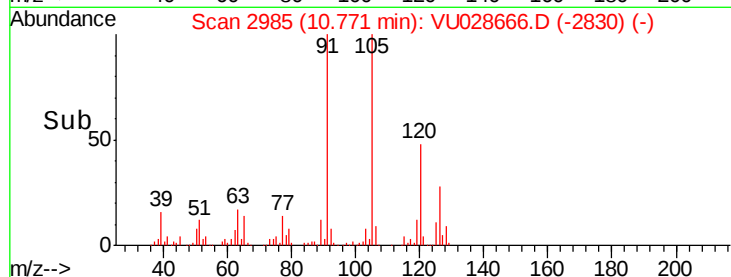
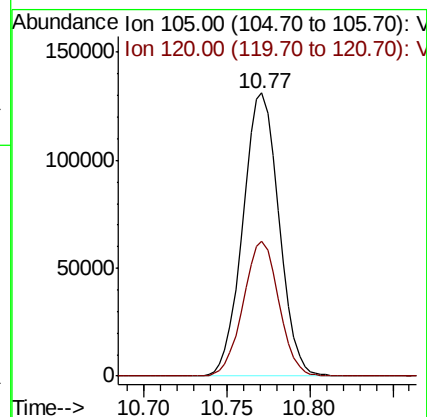
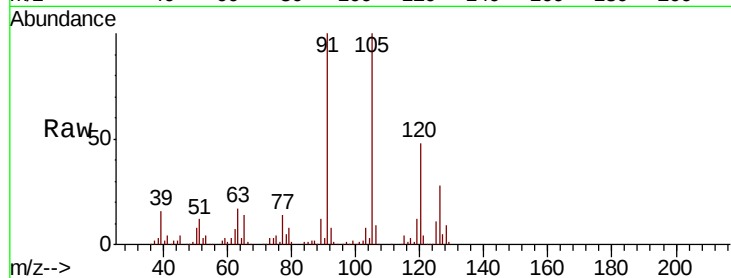
120 47.1 36.3 54.5

Manual Integrations

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#76

4-Chlorotoluene

Concen: 11.710 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028666.D

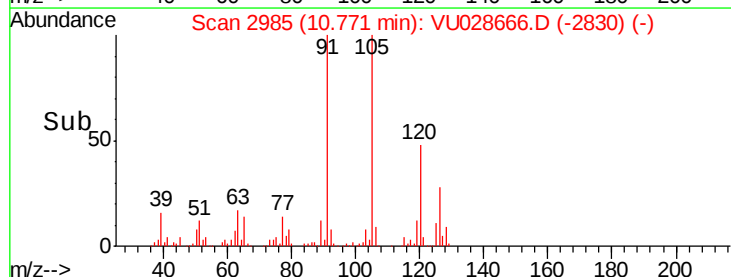
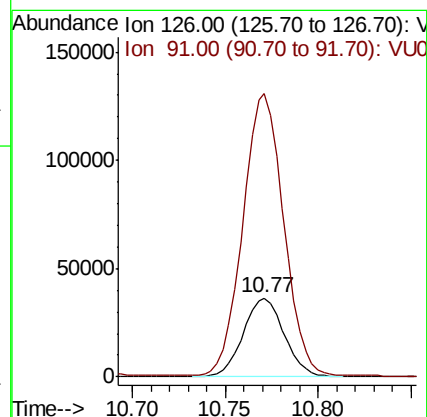
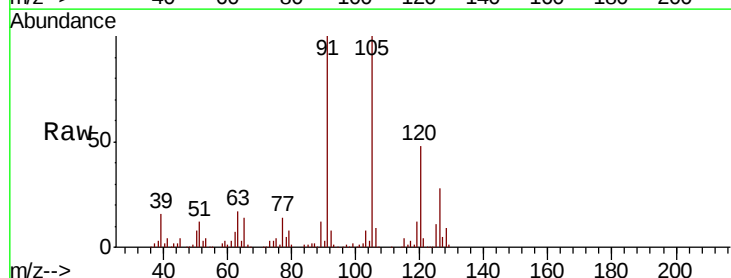
Acq: 13 Dec 2018 09:08

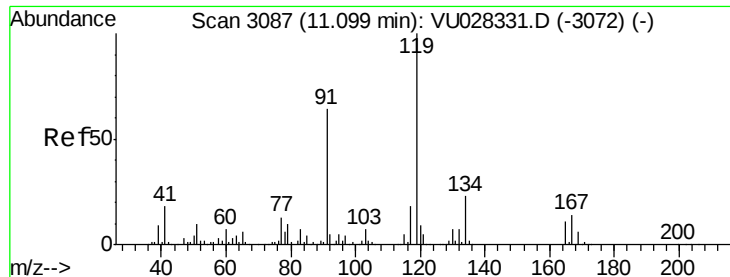
Tgt Ion:126 Resp: 55362

Ion Ratio Lower Upper

126 100

91 364.8 0.0 731.2





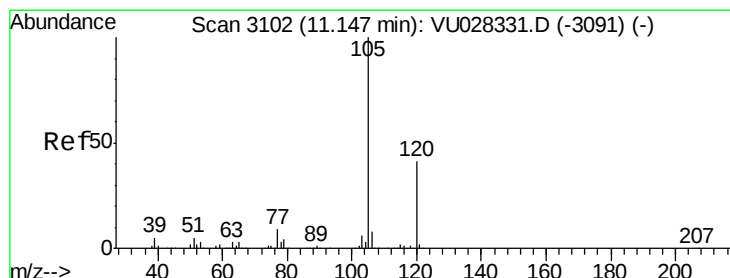
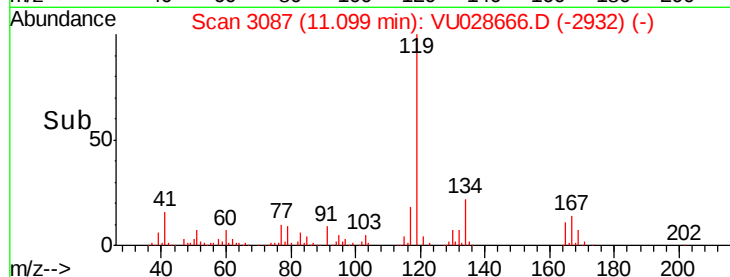
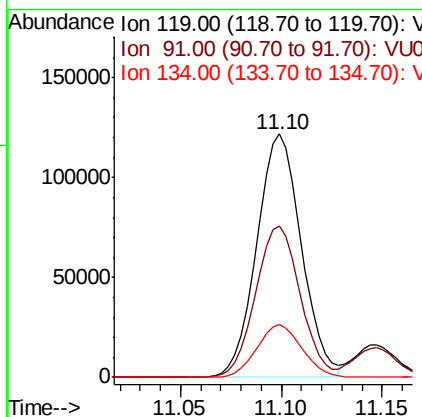
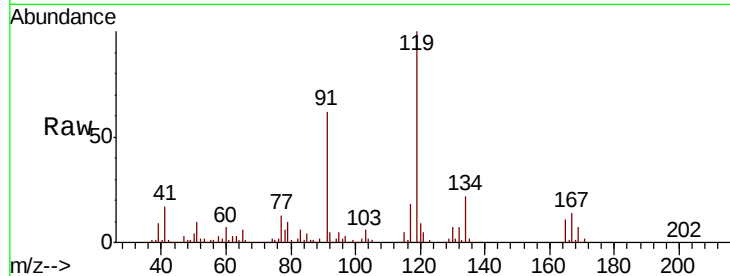
#77
 tert-Butylbenzene
 Concen: 11.572 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	188138		
91	62.1	32.0	96.0	
134	21.9	17.9	26.9	

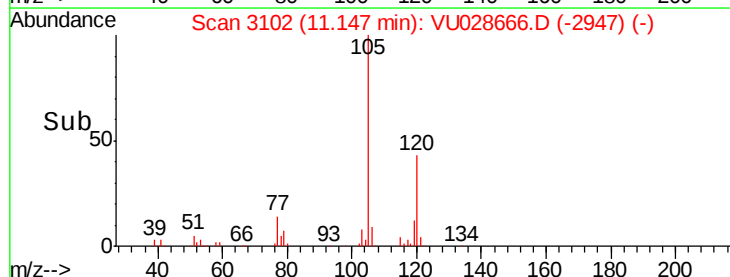
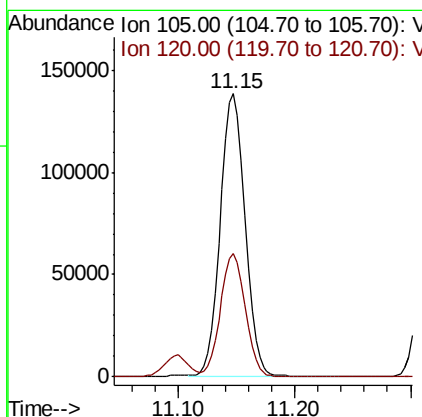
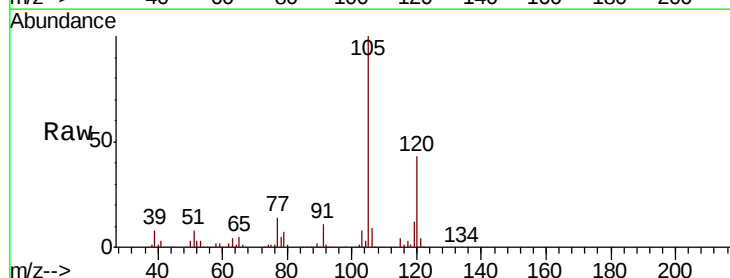
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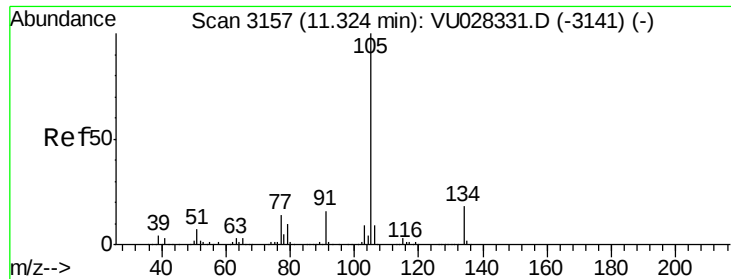
MMDadoda
 12/14/2018 9:32:14 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 11.640 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205995		
120	43.3	21.9	65.8	





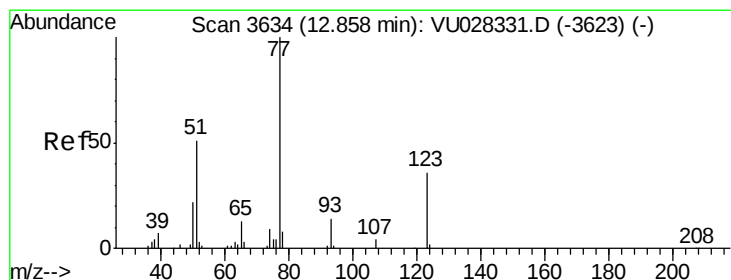
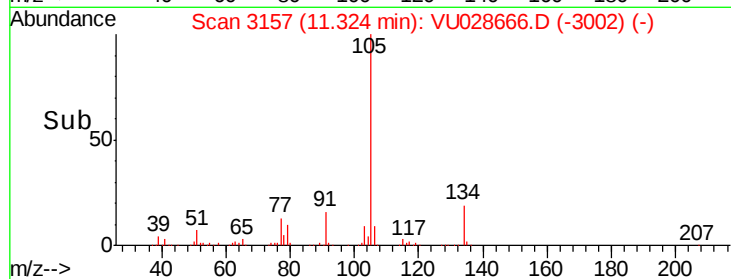
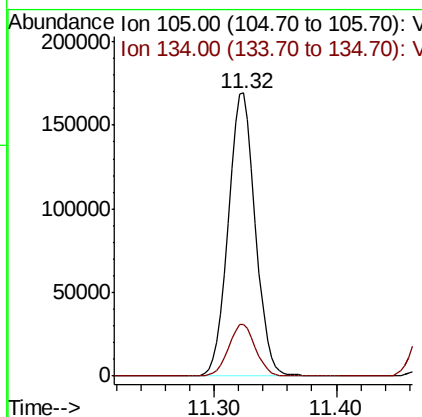
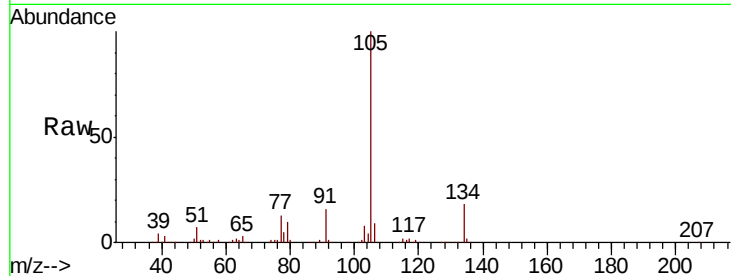
#79
 sec-Butylbenzene
 Concen: 11.533 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

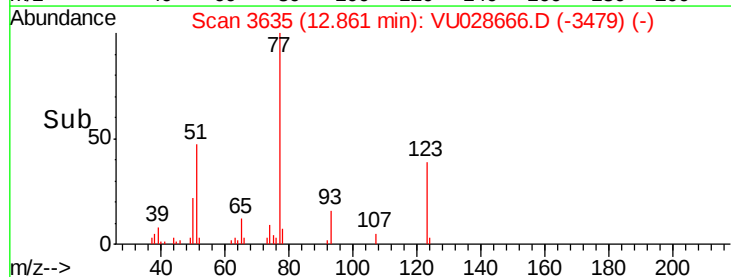
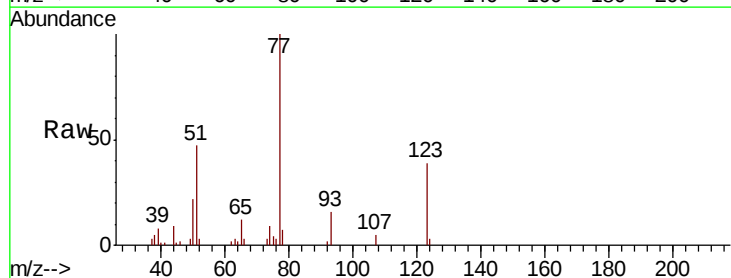
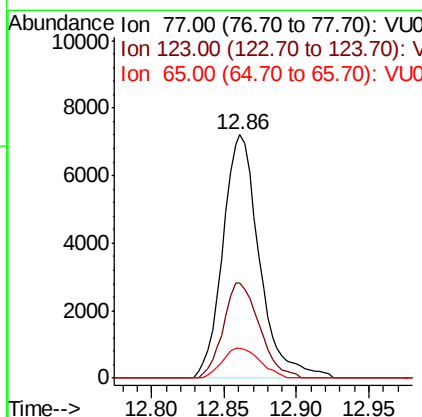
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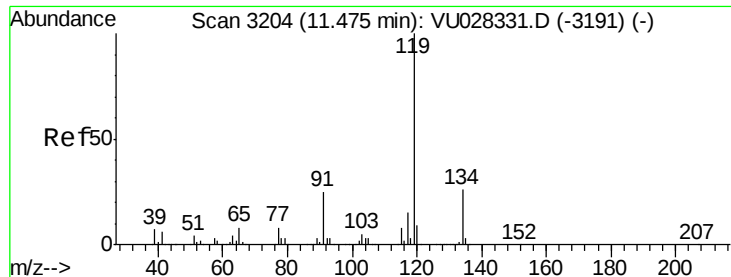
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#80
 Nitrobenzene
 Concen: 59.474 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.7	16.5	58.3
65	12.7	12.1	15.3





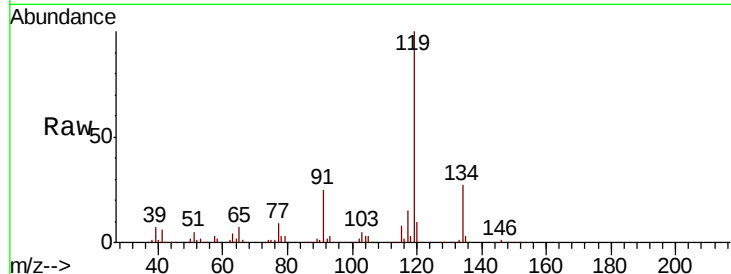
#81
p-Isopropyltoluene
Concen: 11.559 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	20.3	30.5
91	25.6	20.0	30.0

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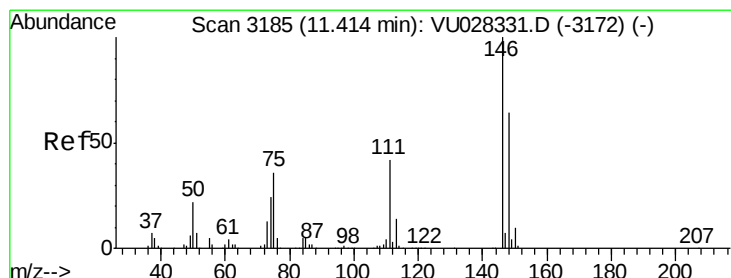
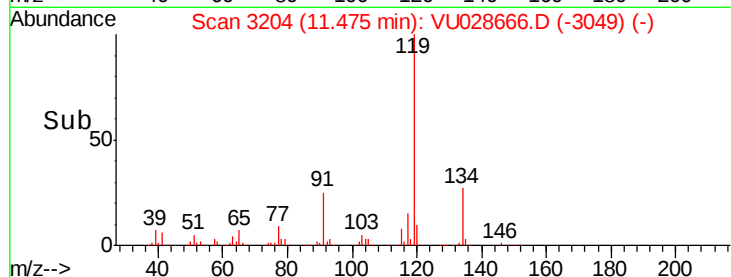
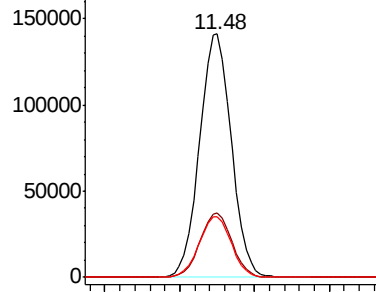


Abundance

Ion 119.00 (118.70 to 119.70): V

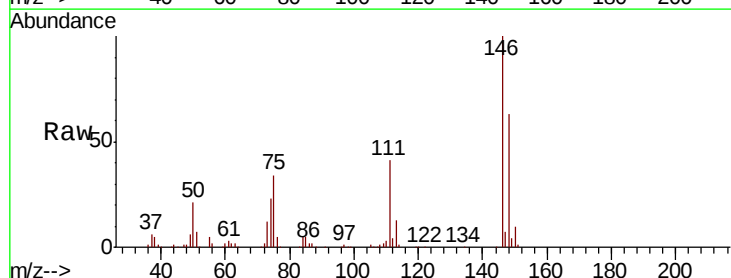
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
1,3-Dichlorobenzene
Concen: 11.606 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VU028666.D
Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.4	50.2
148	64.3	51.2	76.8

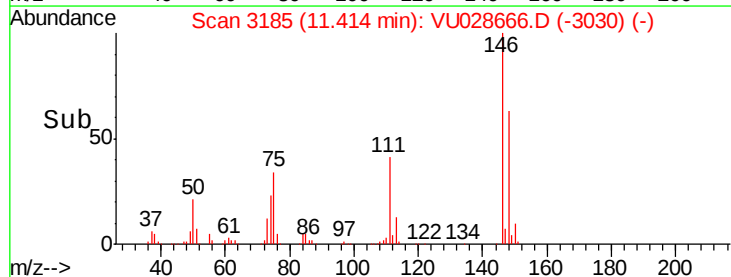
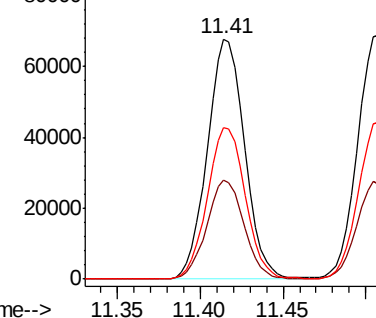


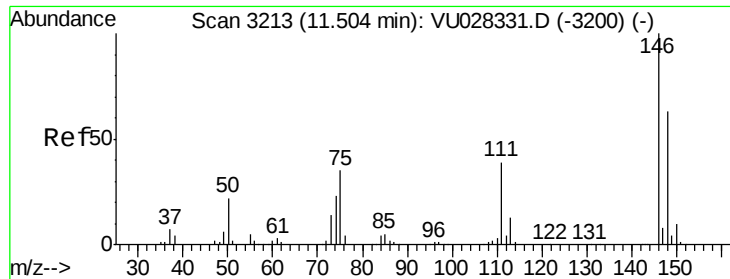
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





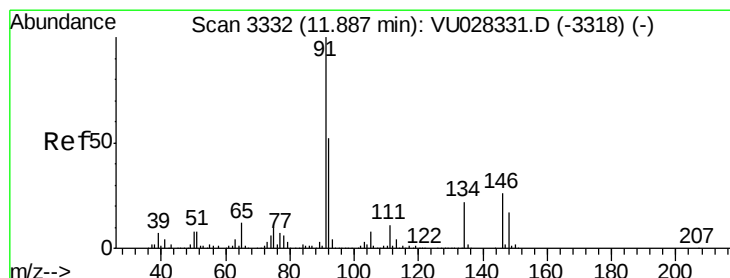
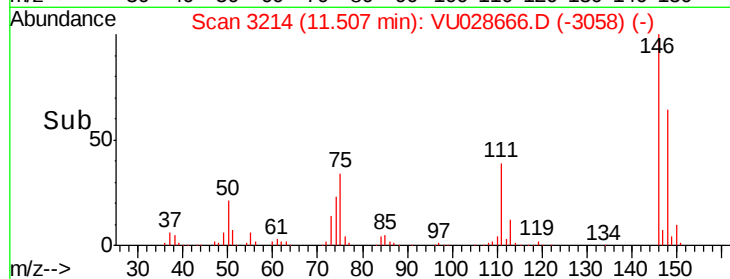
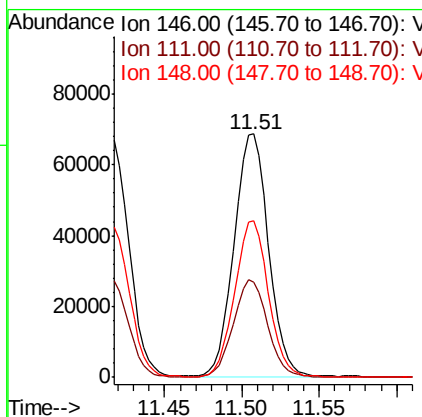
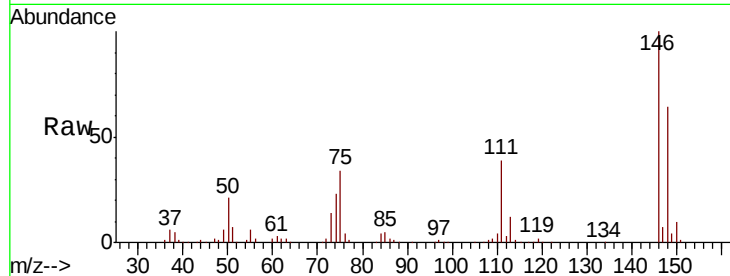
#83
 1,4-Dichlorobenzene
 Concen: 11.655 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	31.4	47.2
148	63.3	50.7	76.1

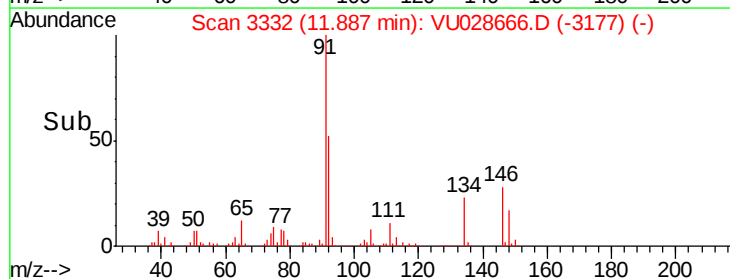
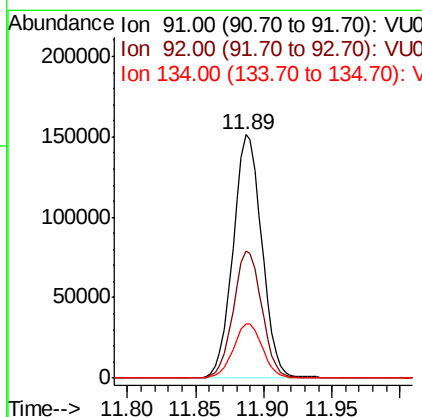
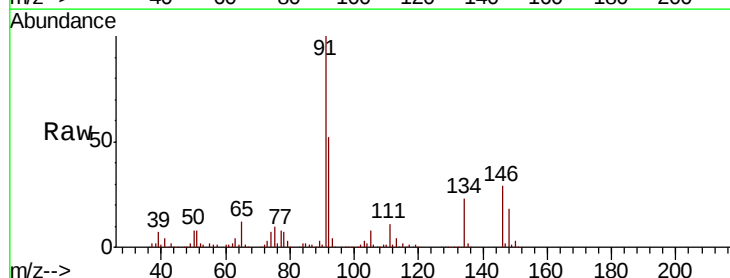
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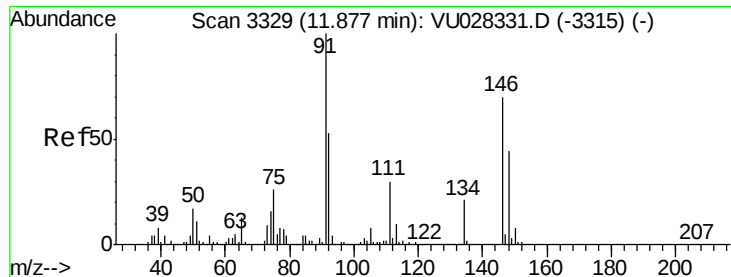
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#84
 n-Butylbenzene
 Concen: 11.749 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	41.6	62.4
134	22.6	17.8	26.6





#85

1,2-Dichlorobenzene

Concen: 11.529 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

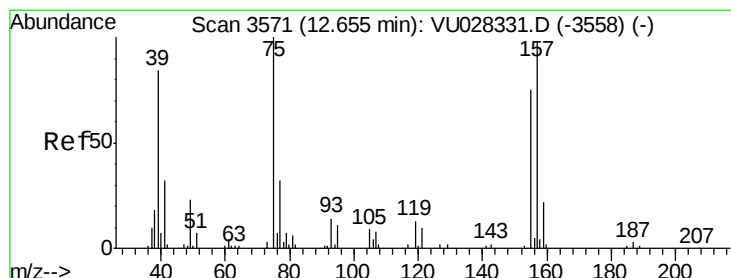
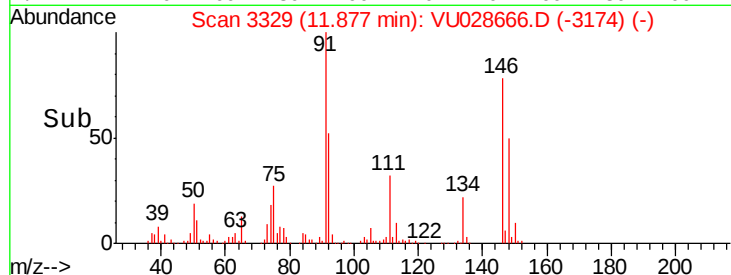
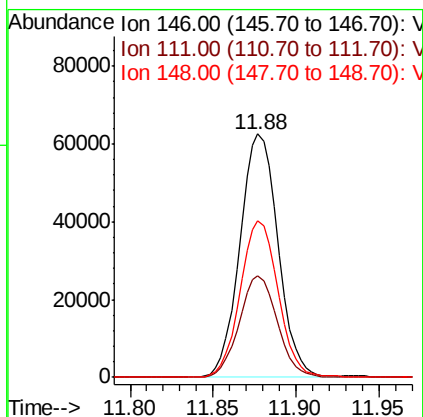
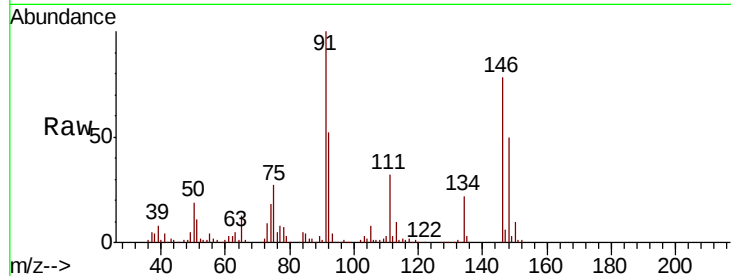
ClientSampleId :

VSTDCCC010

Tot Ion:	146	Resp:	100105
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.4	64.3
148	63.9	31.4	94.2

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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.661 ug/l

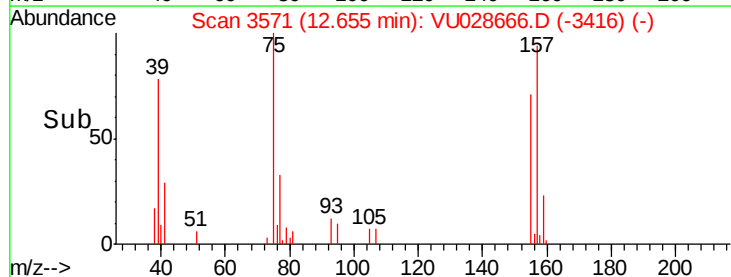
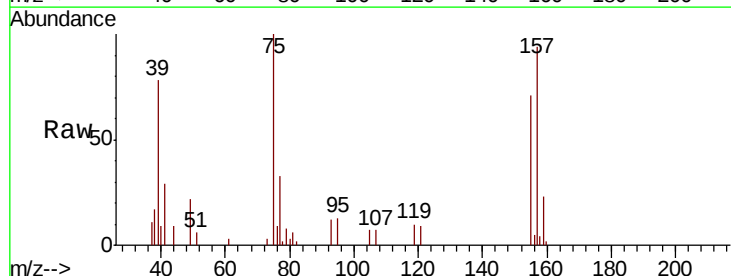
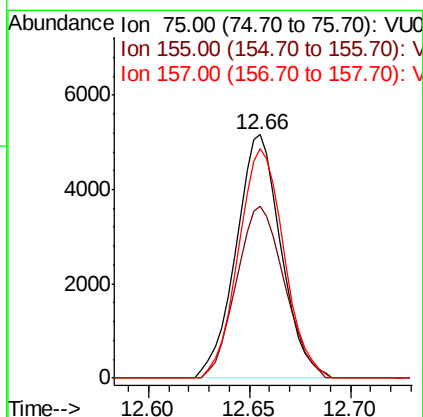
RT: 12.66 min Scan# 3571

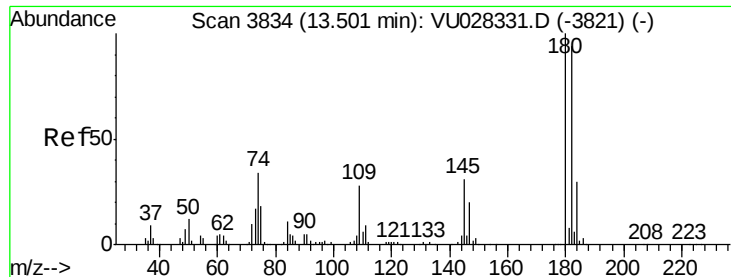
Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	75	Resp:	8068
Ion Ratio	Lower	Upper	
75	100		
155	75.0	57.0	85.4
157	95.2	75.4	113.2





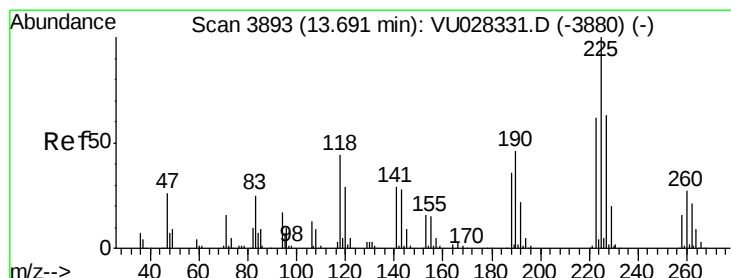
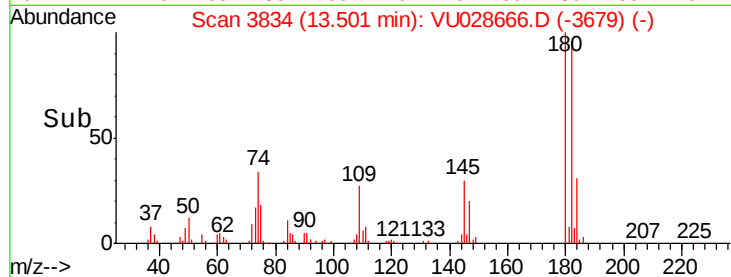
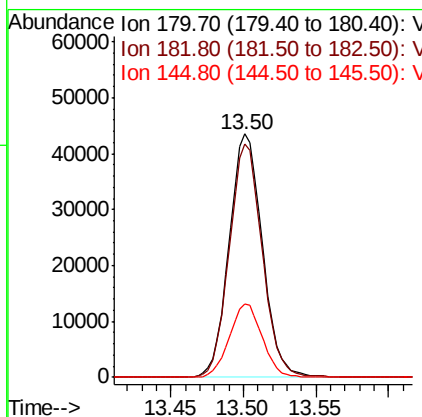
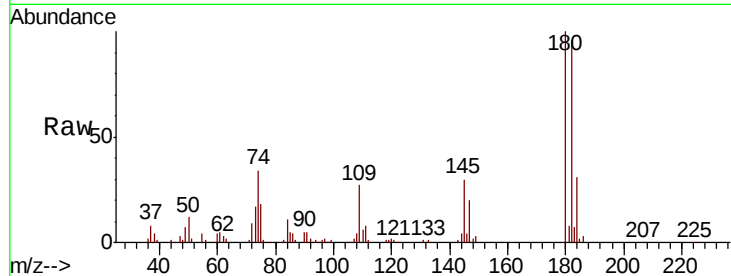
#87
 1,2,4-Trichlorobenzene
 Concen: 11.311 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69042		
182	95.3		75.6	113.4
145	29.8		24.4	36.6

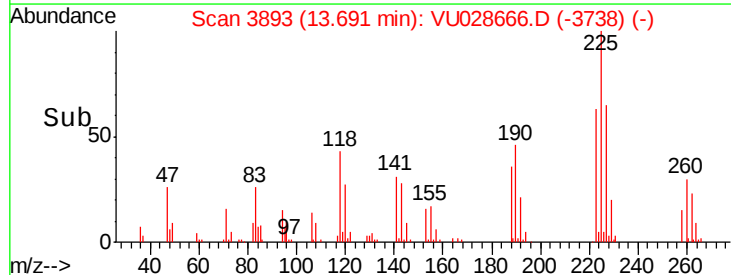
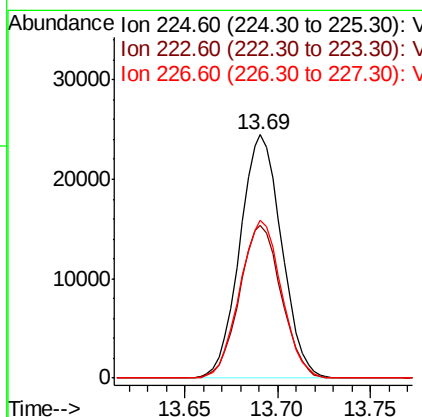
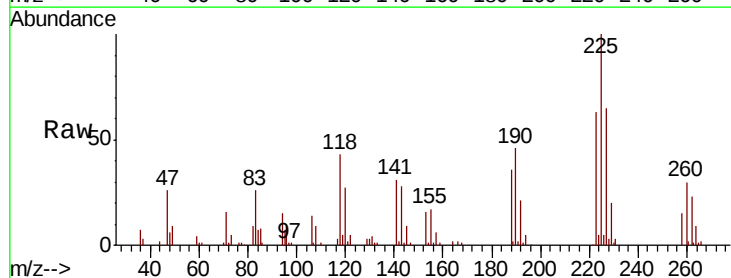
Manual Integrations
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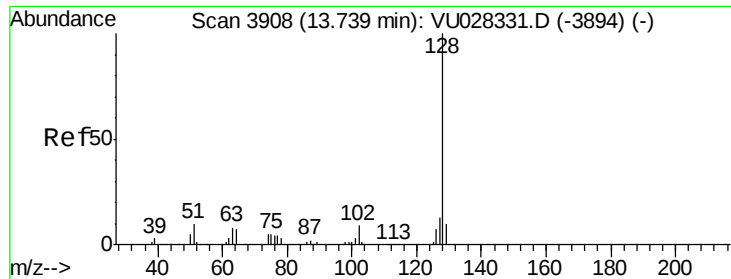
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 12/14/2018 9:32:14 AM



#88
 Hexachlorobutadiene
 Concen: 11.563 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028666.D
 Acq: 13 Dec 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38188		
223	62.9		50.6	76.0
227	64.8		50.8	76.2





#89

Naphthalene

Concen: 10.919 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Instrument :

MSVOA_U

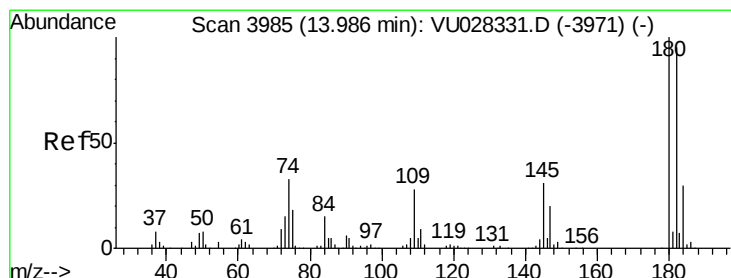
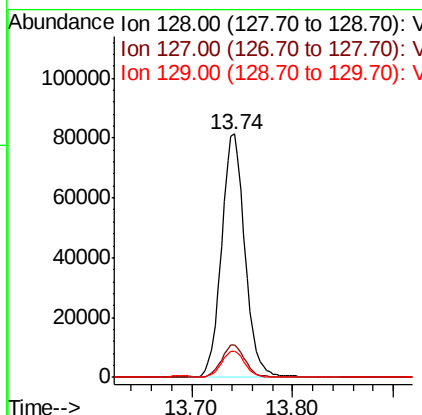
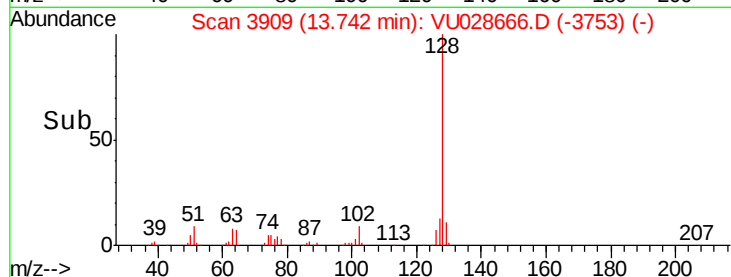
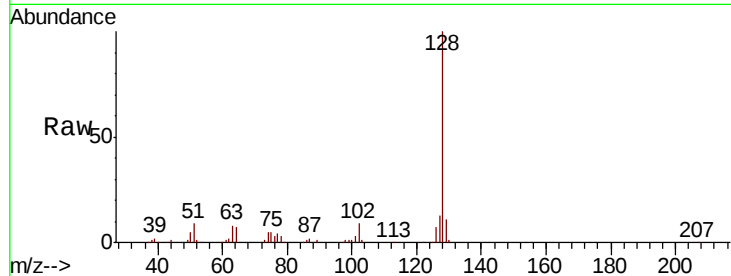
ClientSampleId :

VSTDCCC010

Tot Ion:	128	Resp:	131728
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.8	8.2	12.4

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#90

1,2,3-Trichlorobenzene

Concen: 10.998 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028666.D

Acq: 13 Dec 2018 09:08

Tgt Ion:	180	Resp:	63300
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.1	114.1
145	31.9	26.0	39.0

