

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0112618\
 Data File : VU028330.D
 Acq On : 26 Nov 2018 11:01
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:36 PM

Quant Time: Nov 27 00:58:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	49948	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	19054	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17750	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	88662	4.935	ug/l	99
3) Chloromethane	1.32	50	140928	4.608	ug/l	99
4) Vinyl Chloride	1.40	62	104079	4.973	ug/l	98
5) Bromomethane	1.63	94	39537	4.795	ug/l	94
6) Chloroethane	1.70	64	57995	4.746	ug/l	99
7) Trichlorofluoromethane	1.89	101	114032	4.989	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	64584	4.912	ug/l	98
9) 1,1-Dichloroethene	2.29	96	61845	5.086	ug/l	94
10) Iodomethane	2.41	142	41230	5.013	ug/l	98
11) Allyl Chloride	2.59	41	155148	5.054	ug/l	99
12) Acrylonitrile	2.95	53	37128	9.585	ug/l	98
13) Acetone	2.33	43	80565	22.444	ug/l	96
14) Carbon Disulfide	2.48	76	228591	4.949	ug/l	99
15) Methylene Chloride	2.70	84	71476	4.820	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	66167	4.862	ug/l	100
17) 1,1-Dichloroethane	3.44	63	150210	4.951	ug/l	100
18) 2-Butanone	4.28	43	131246	24.468	ug/l	100
19) Cyclohexane	4.99	56	128945	4.896	ug/l	96
20) Methylcyclohexane	6.41	83	129272	5.014	ug/l	99
21) 2,2-Dichloropropane	4.22	77	119825	4.921	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	79478	4.990	ug/l	97
23) Diethyl Ether	2.11	59	59605	4.889	ug/l	99
24) tert-Butyl Alcohol	2.86	59	62178	52.730	ug/l	98
25) Methyl tert-Butyl Ether	3.01	73	181746	5.031	ug/l	99
26) Bromochloromethane	4.55	128	30083	4.955	ug/l	95
27) Chloroform	4.67	83	140329	4.796	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	114022	4.990	ug/l	100
29) 1,1-Dichloropropene	5.13	75	108727	4.960	ug/l	99
30) Carbon Tetrachloride	5.13	117	90837	4.923	ug/l	98
31) Isopropyl Ether	3.58	45	270244	4.974	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	225478	5.039	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	185696	5.002	ug/l	99
34) Propionitrile	4.34	54	34494	25.599	ug/l #	97
35) Benzene	5.39	78	321781	4.987	ug/l	99
36) 1,2-Dichloroethane	5.40	62	94679	4.906	ug/l	99
37) Trichloroethene	6.18	130	69552	4.949	ug/l	99
38) 1,2-Dichloropropane	6.43	63	92535	5.028	ug/l	93
39) Methacrylonitrile	4.55	41	34037	4.716	ug/l	97
40) Methyl acrylate	4.43	55	46773	4.710	ug/l	98
41) Tetrahydrofuran	4.66	42	35936	9.905	ug/l	98
42) 1-Chlorobutane	5.06	56	171934	4.934	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028330.D
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 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

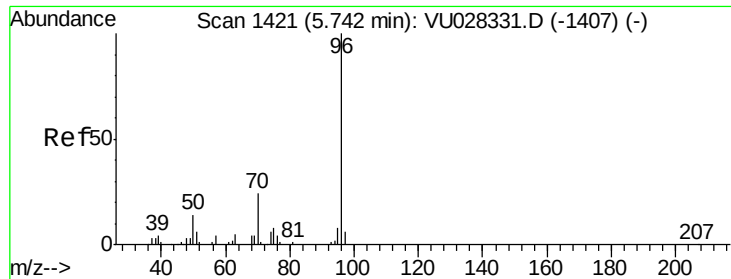
Manual Integrations
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 11/30/2018 2:33:36 PM

Quant Time: Nov 27 00:58:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	39518	5.045	ug/l	99
44) Bromodichloromethane	6.76	83	100818	4.874	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	314471	24.992	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	47448m	10.517	ug/l	
47) Methyl methacrylate	6.63	69	80968	10.126	ug/l	98
48) Ethyl methacrylate	8.02	69	80089	5.007	ug/l	98
49) Toluene	7.64	92	180497	5.037	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	99662	5.016	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	121703	4.961	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	52420	4.766	ug/l	96
53) 1,3-Dichloropropane	8.24	76	103285	5.027	ug/l	99
54) 2-Hexanone	8.37	43	223039	24.640	ug/l	99
55) Dibromochloromethane	8.48	129	58242	4.979	ug/l	97
56) 1,2-Dibromoethane	8.58	107	49110	4.902	ug/l	96
58) Tetrachloroethene	8.22	164	65531	5.092	ug/l	98
59) Chlorobenzene	9.12	112	185450	4.973	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	62142	4.917	ug/l	99
61) Pentachloroethane	11.10	117	49490	5.032	ug/l	97
62) Hexachloroethane	12.14	117	45310	4.917	ug/l	99
63) Ethyl Benzene	9.25	91	349631	5.081	ug/l	98
64) m/p-Xylenes	9.37	106	257741	10.351	ug/l	99
65) o-Xylene	9.78	106	122131	5.083	ug/l	97
66) Styrene	9.79	104	211013	5.120	ug/l	99
67) Bromoform	9.96	173	31591	4.818	ug/l	99
69) Isopropylbenzene	10.16	105	328043	5.098	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	73049	4.952	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	50655m	4.984	ug/l	
72) Bromobenzene	10.45	156	73267	5.130	ug/l	99
73) n-propylbenzene	10.59	120	86164	5.163	ug/l	97
74) 2-Chlorotoluene	10.66	126	73477	5.025	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	274947	5.077	ug/l	97
76) 4-Chlorotoluene	10.77	126	77010	5.195	ug/l	100
77) tert-Butylbenzene	11.10	119	259246	5.085	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	284176	5.121	ug/l	100
79) sec-Butylbenzene	11.32	105	366421	5.155	ug/l	100
80) Nitrobenzene	12.86	77	15935	23.976	ug/l	95
81) p-Isopropyltoluene	11.47	119	291066	5.153	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	144519	5.052	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	142083	4.990	ug/l	96
84) n-Butylbenzene	11.89	91	313598	5.289	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	135190	4.965	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	11418	4.811	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	96740	5.054	ug/l	98
88) Hexachlorobutadiene	13.69	225	53465	5.162	ug/l	97
89) Naphthalene	13.74	128	185886	4.914	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	90661	5.023	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

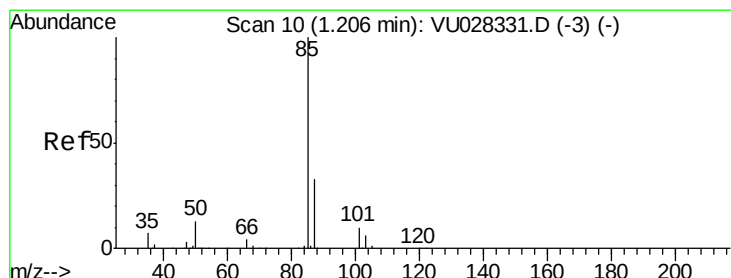
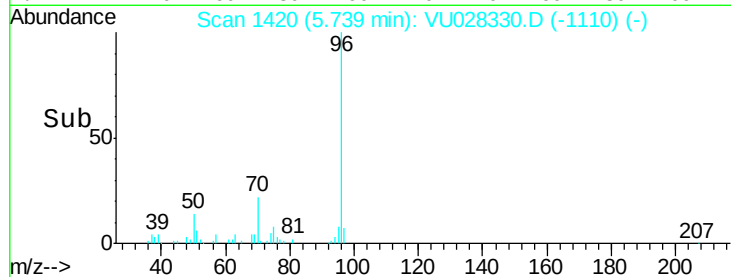
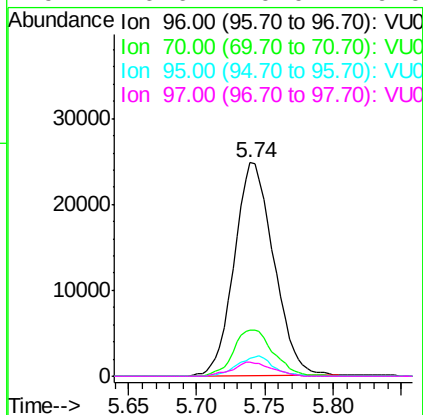
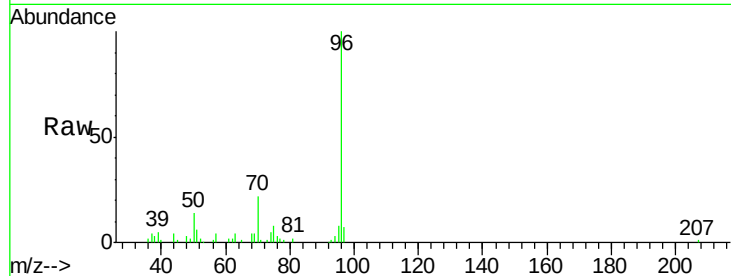
ClientSampleId :

VSTDIC005

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		49948		
70	22.1	17.8	26.8		
95	8.6	7.6	11.4		
97	6.6	0.0	0.0		

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 4.935 ug/l

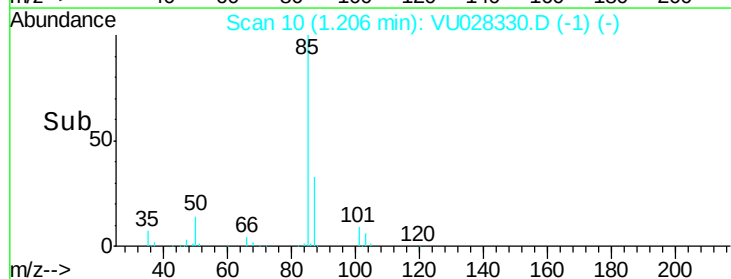
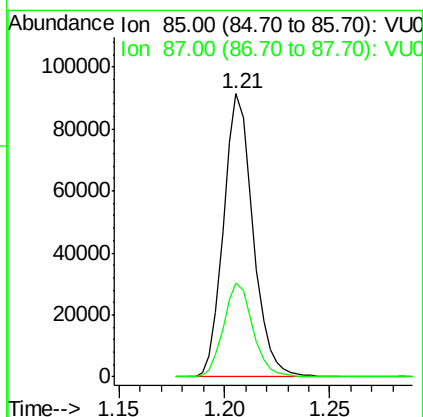
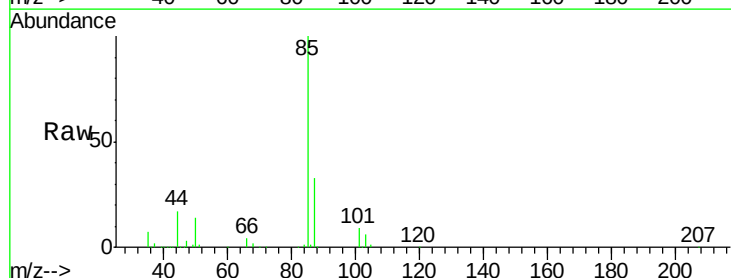
RT: 1.21 min Scan# 10

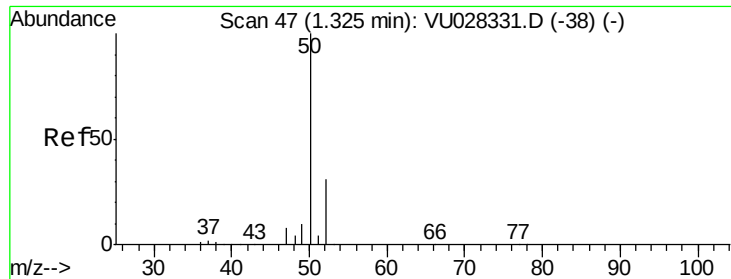
Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		88662		
87	33.1	16.3	48.8		





#3

Chloromethane

Concen: 4.608 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 140928

Ion Ratio Lower Upper

50 100

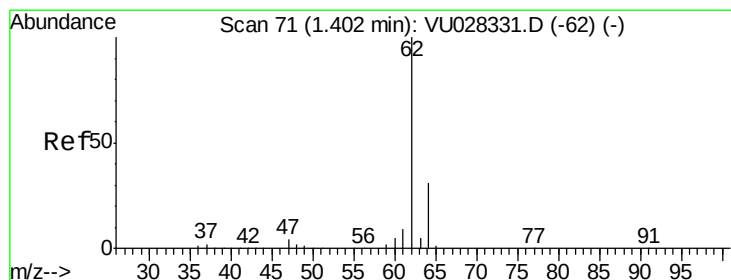
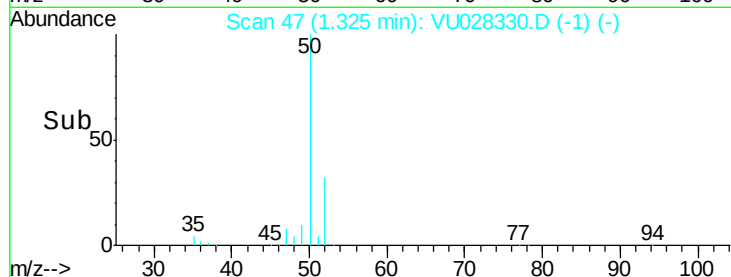
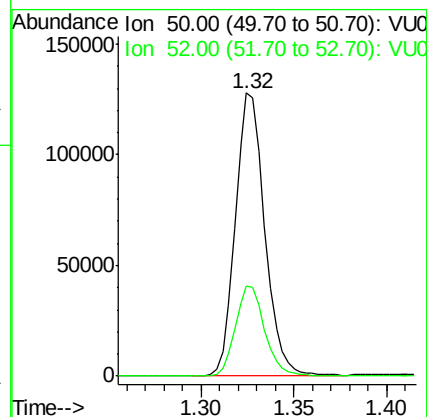
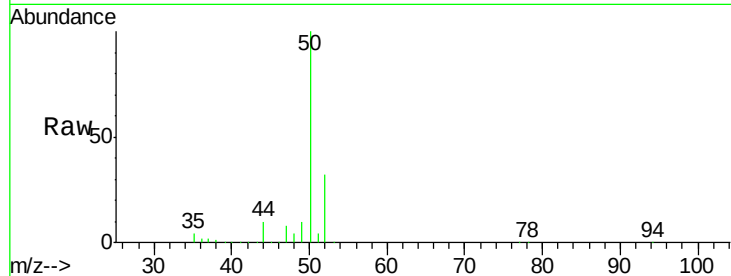
52 31.9 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.973 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028330.D

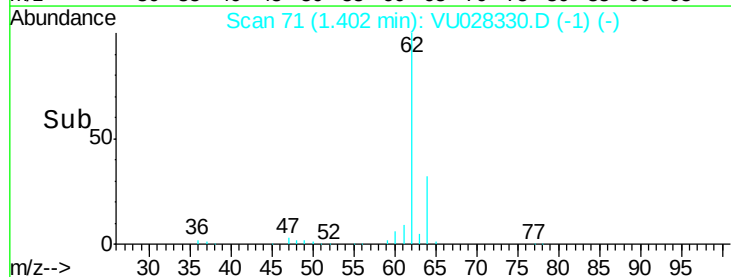
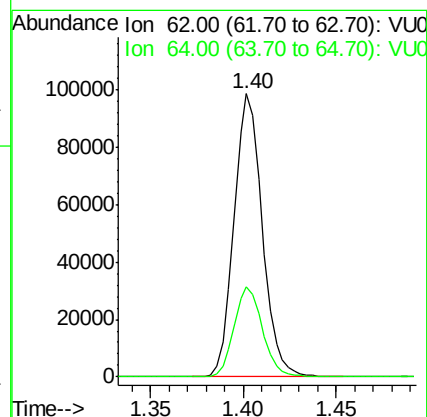
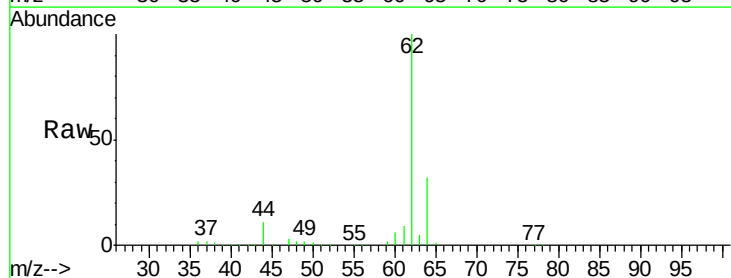
Acq: 26 Nov 2018 11:01

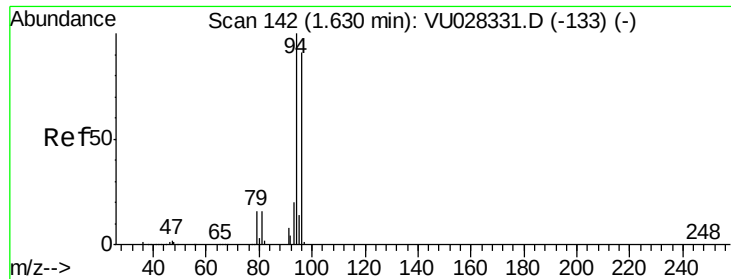
Tgt Ion: 62 Resp: 104079

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 4.795 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 39537

Ion Ratio Lower Upper

94 100

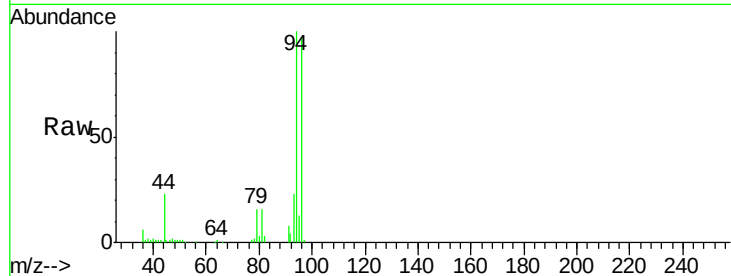
96 96.7 73.1 109.7

Manual Integrations

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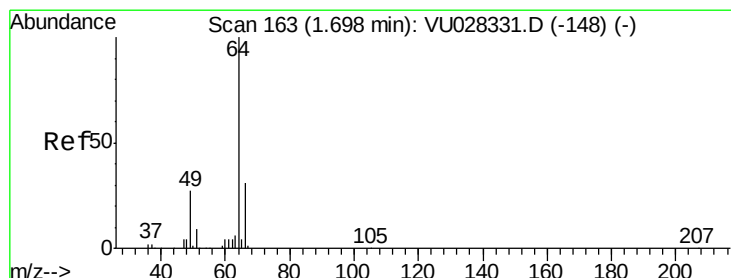
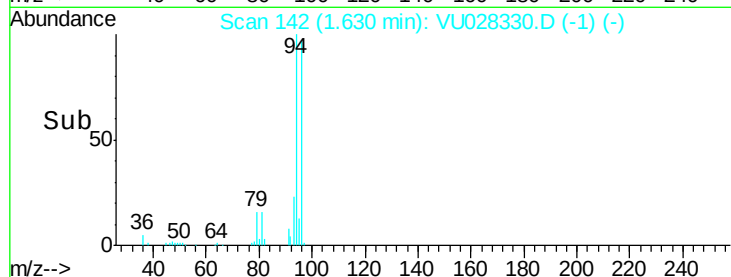
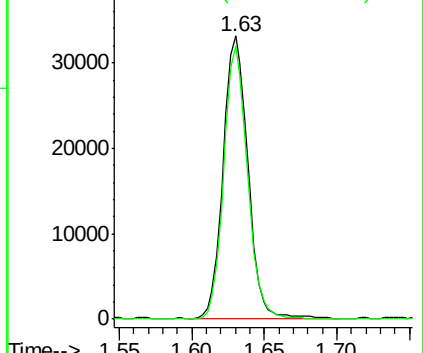
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 4.746 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028330.D

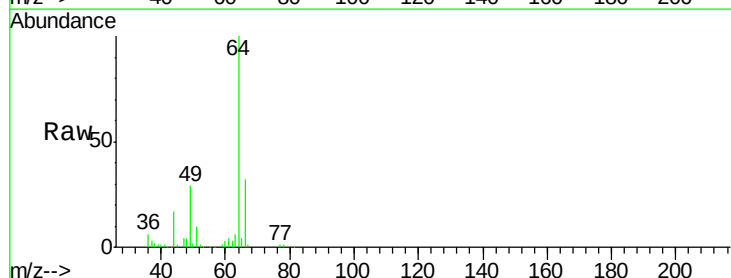
Acq: 26 Nov 2018 11:01

Tgt Ion: 64 Resp: 57995

Ion Ratio Lower Upper

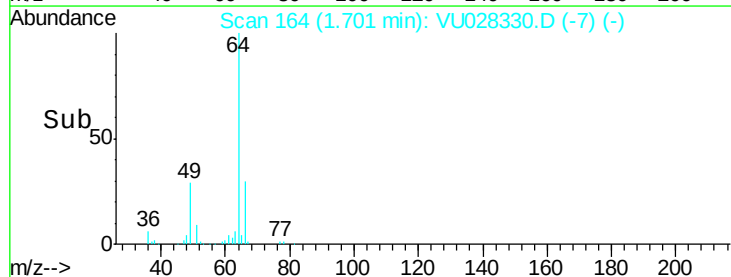
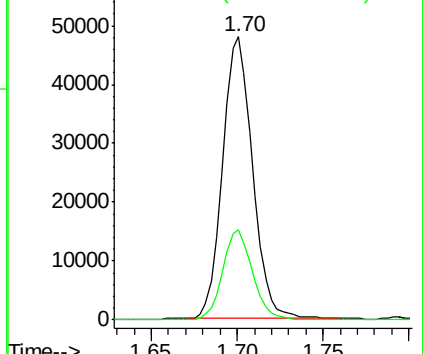
64 100

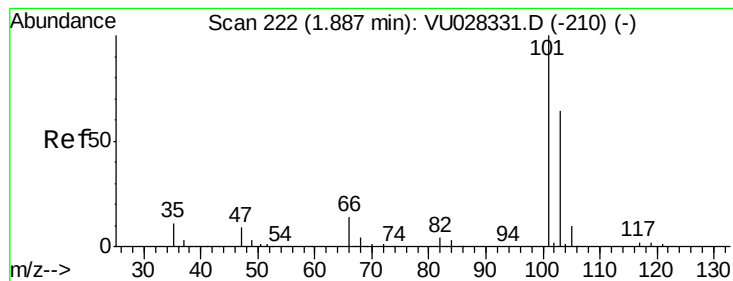
66 31.8 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

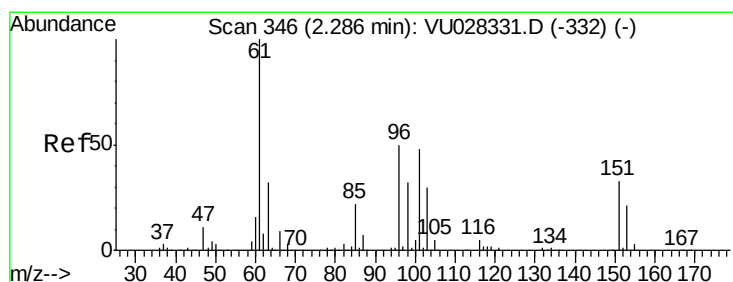
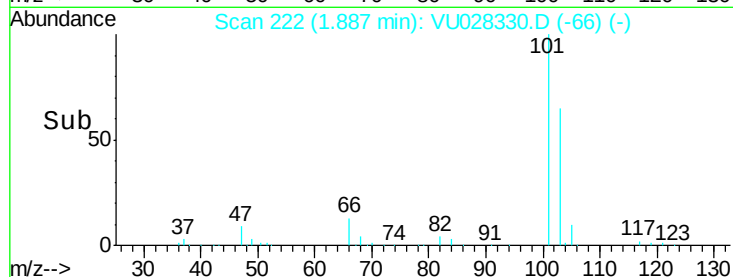
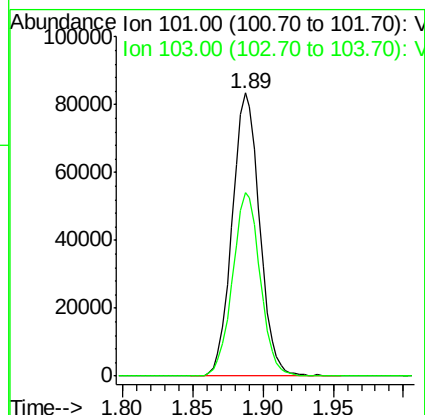
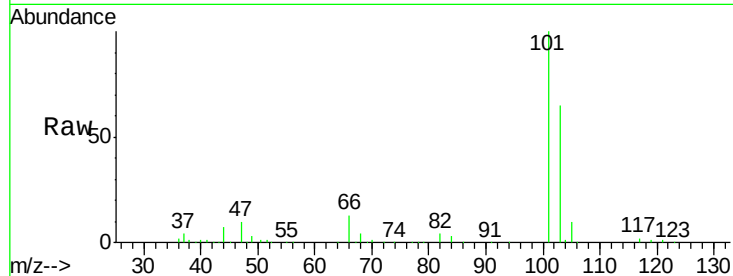
Trichlorofluoromethane
 Concen: 4.989 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

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 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 114032
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.0

Manual Integrations
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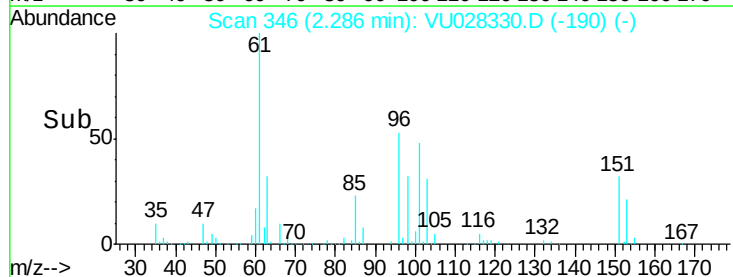
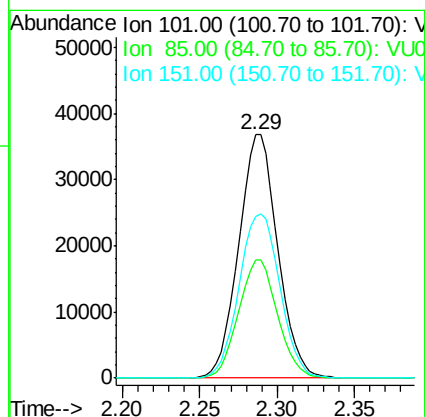
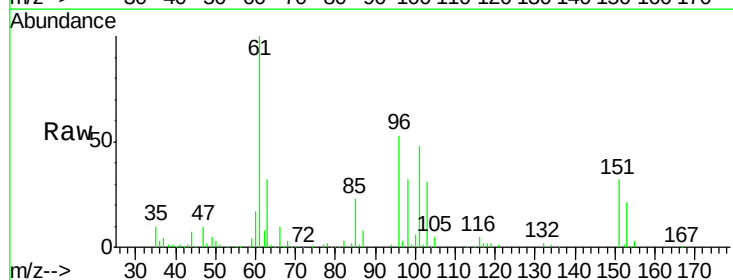
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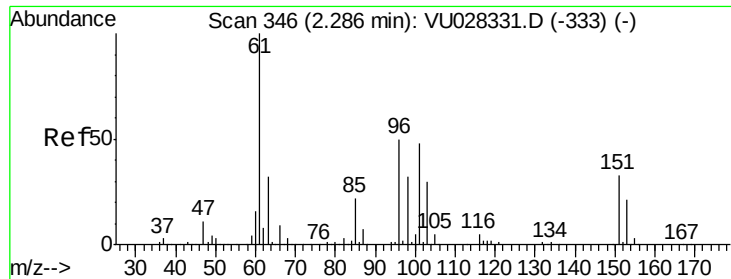


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.912 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:101 Resp: 64584
 Ion Ratio Lower Upper
 101 100
 85 48.4 36.7 55.1
 151 70.9 55.8 83.6





#9

1,1-Dichloroethene

Concen: 5.086 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

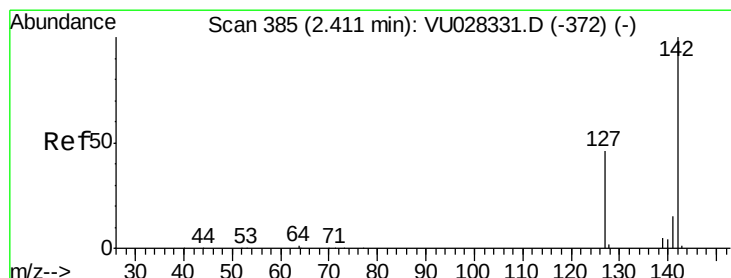
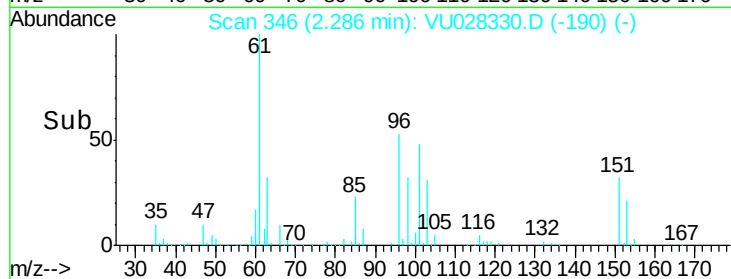
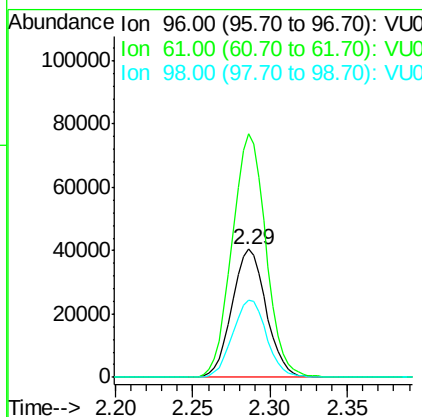
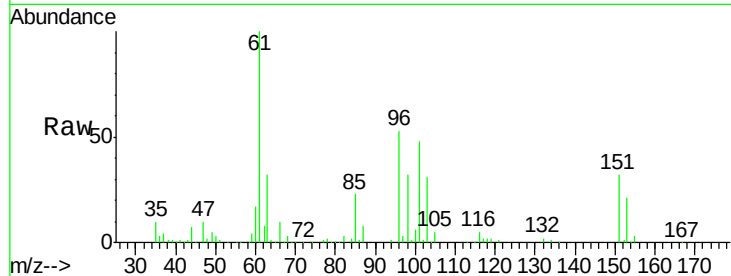
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	61845
Ion Ratio	Lower	Upper	
96	100		
61	189.9	0.0	597.6
98	60.7	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 5.013 ug/l

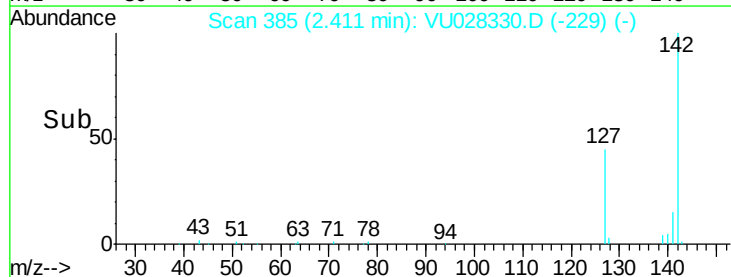
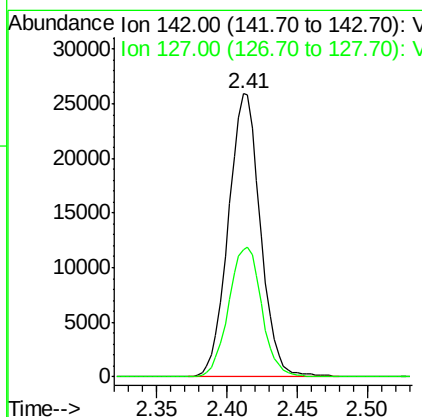
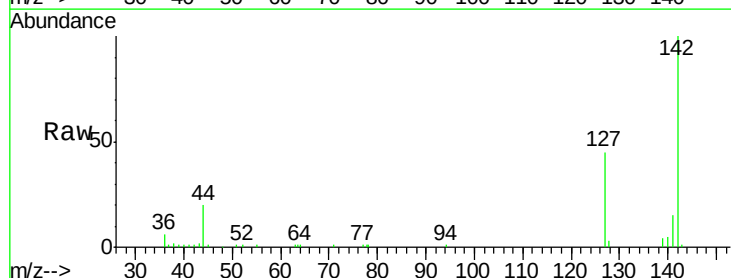
RT: 2.41 min Scan# 385

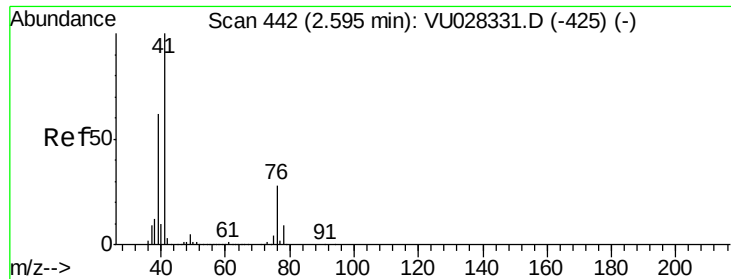
Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion:	142	Resp:	41230
Ion Ratio	Lower	Upper	
142	100		
127	47.1	36.4	54.6





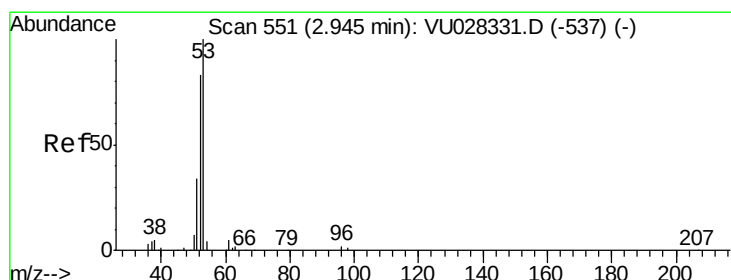
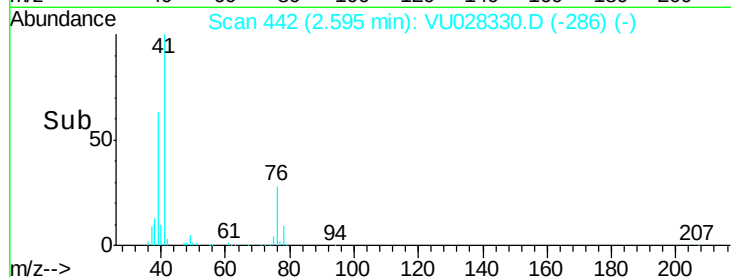
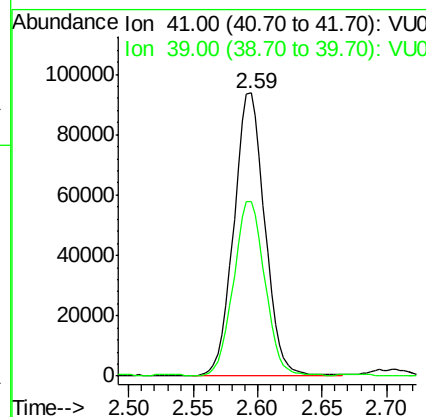
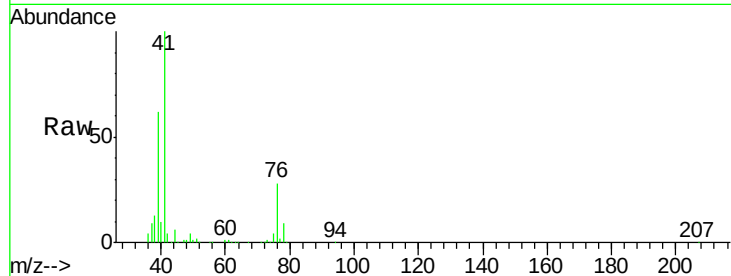
#11
 Allyl Chloride
 Concen: 5.054 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 41 Resp: 155148
 Ion Ratio Lower Upper
 41 100
 39 62.7 50.8 76.2

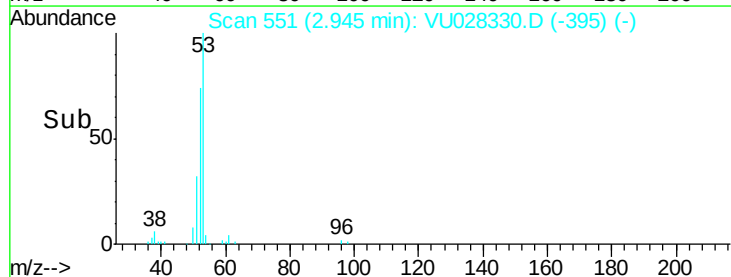
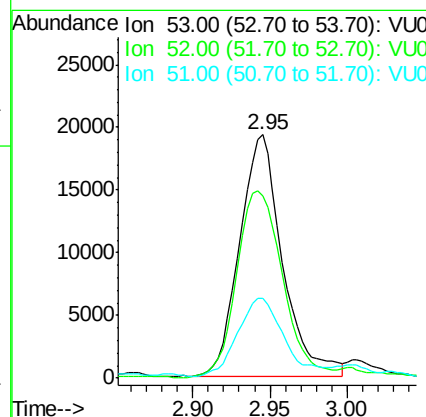
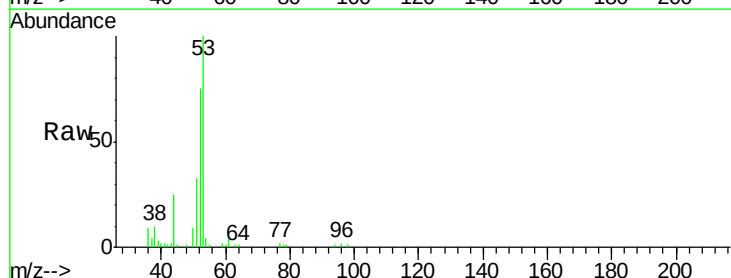
Manual Integrations
 APPROVED

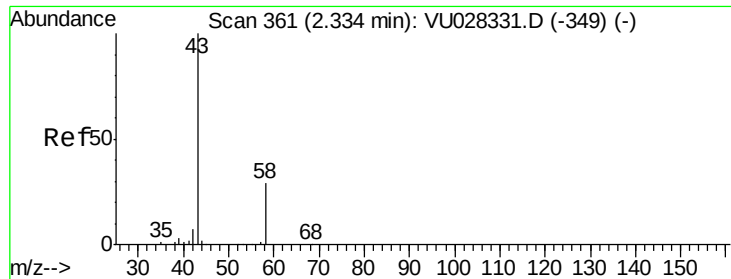
MMDadoda
 11/30/2018 2:33:36 PM



#12
 Acrylonitrile
 Concen: 9.585 ug/l
 RT: 2.95 min Scan# 551
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 53 Resp: 37128
 Ion Ratio Lower Upper
 53 100
 52 83.8 69.3 103.9
 51 34.7 27.8 41.8





#13

Acetone

Concen: 22.444 ug/l

RT: 2.33 min Scan# 361

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 80565

Ion Ratio Lower Upper

43 100

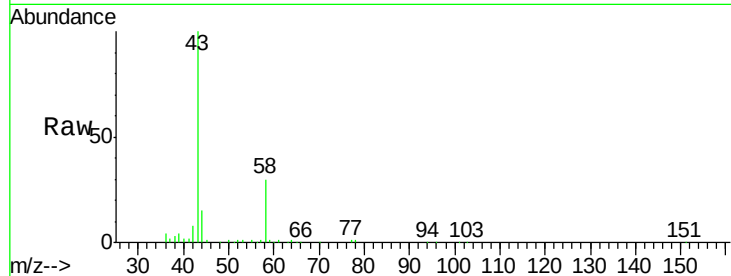
58 30.8 23.1 34.7

Manual Integrations

APPROVED

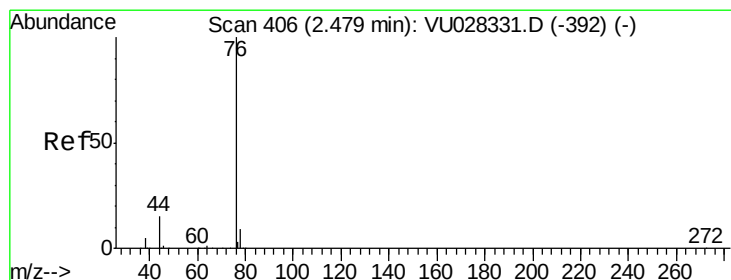
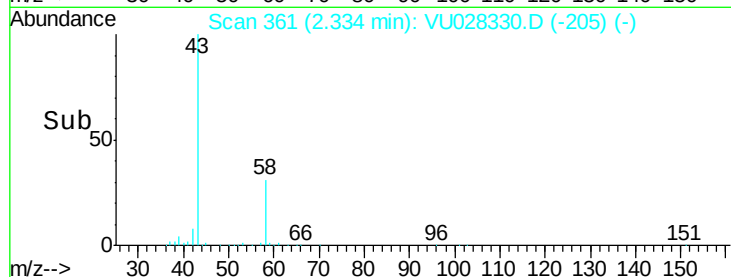
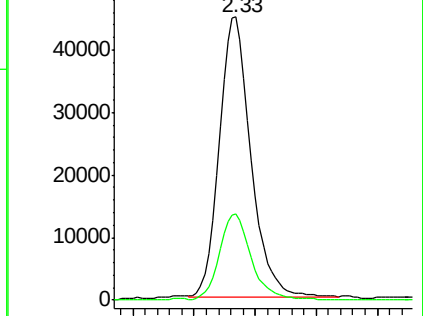
MMDadoda

11/30/2018 2:33:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 4.949 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028330.D

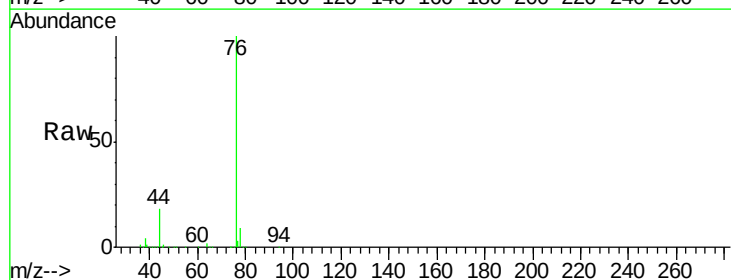
Acq: 26 Nov 2018 11:01

Tgt Ion: 76 Resp: 228591

Ion Ratio Lower Upper

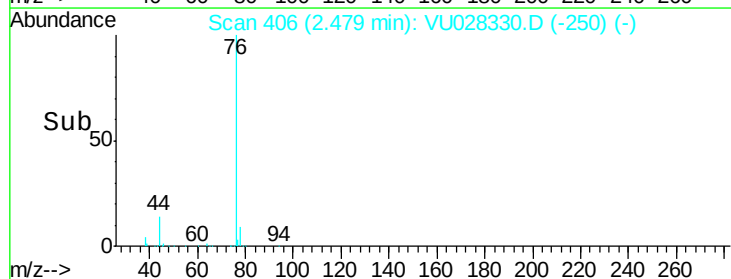
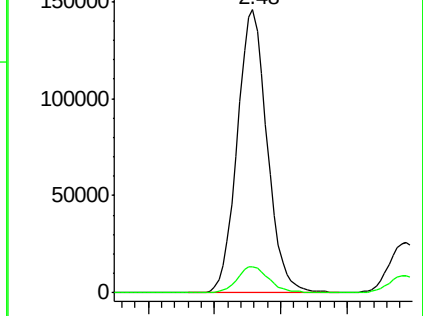
76 100

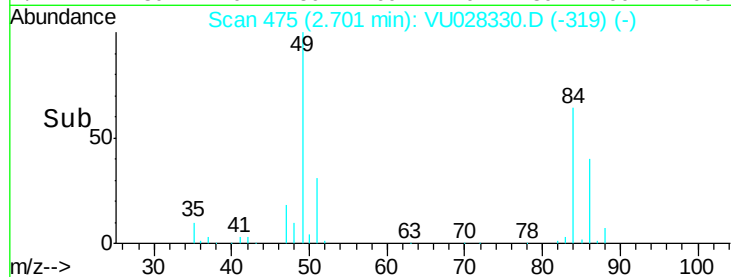
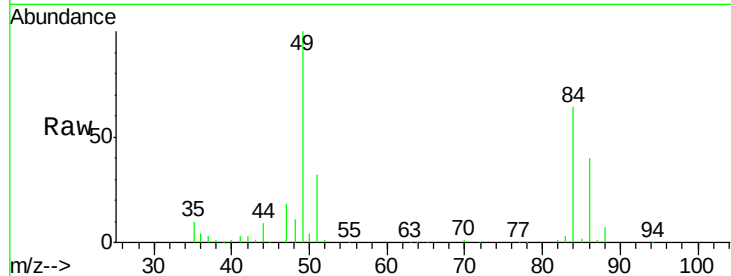
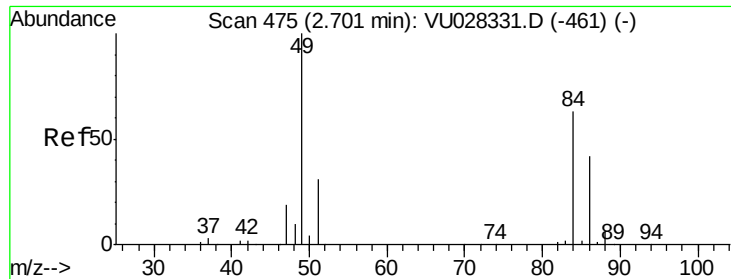
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





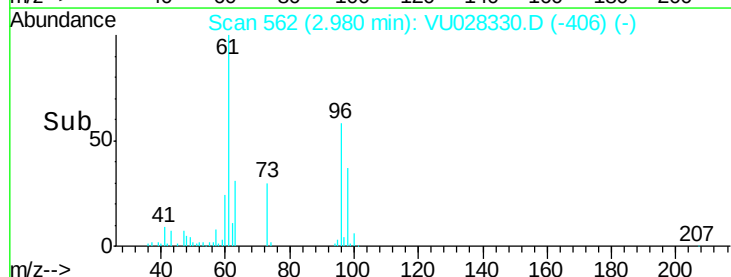
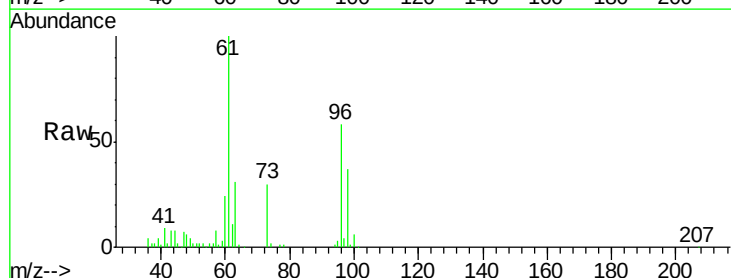
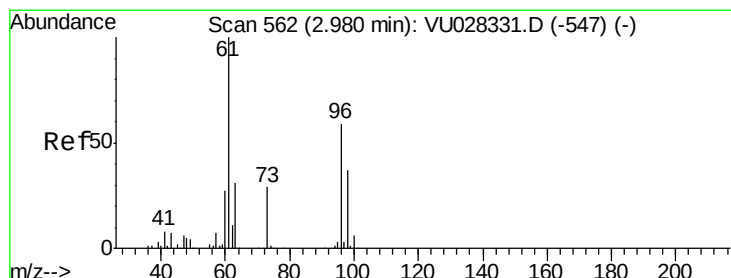
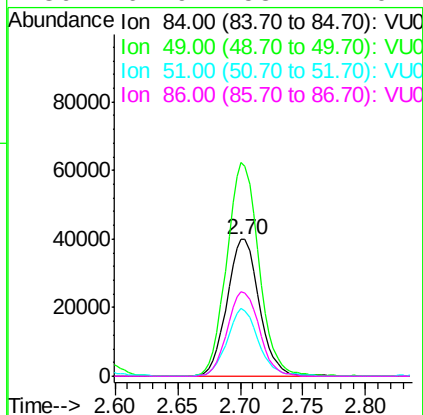
#15
Methylene Chloride
Concen: 4.820 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:	84	Resp:	71476
Ion	Ratio	Lower	Upper
84	100		
49	156.1	127.7	191.5
51	49.0	0.0	98.2
86	61.9	53.1	79.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

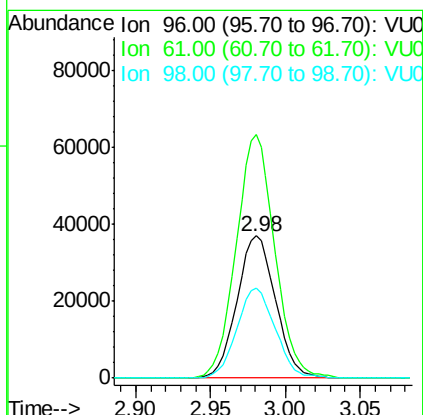
Manual Integrations
APPROVED

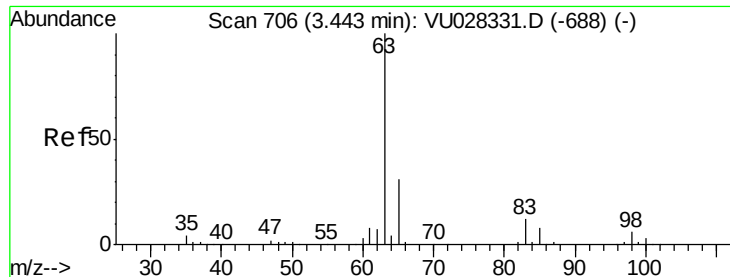
MMDadoda
11/30/2018 2:33:36 PM



#16
trans-1,2-Dichloroethene
Concen: 4.862 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:	96	Resp:	66167
Ion	Ratio	Lower	Upper
96	100		
61	170.8	136.4	204.6
98	62.9	49.8	74.8





#17

1,1-Dichloroethane

Concen: 4.951 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

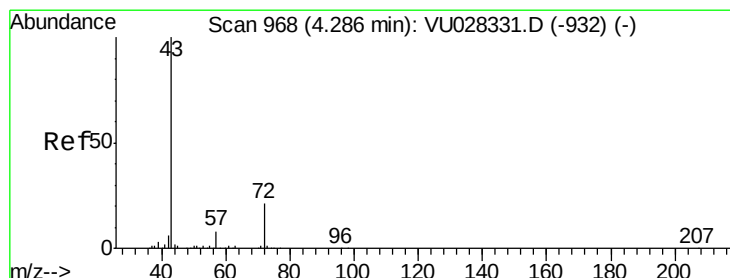
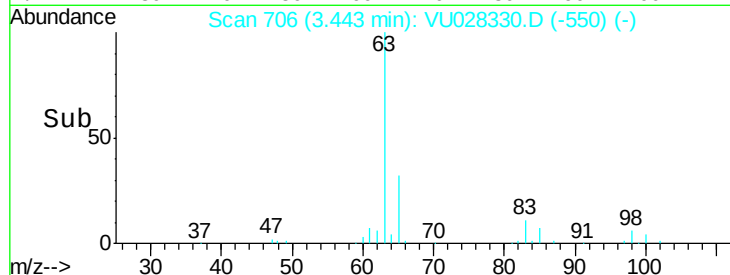
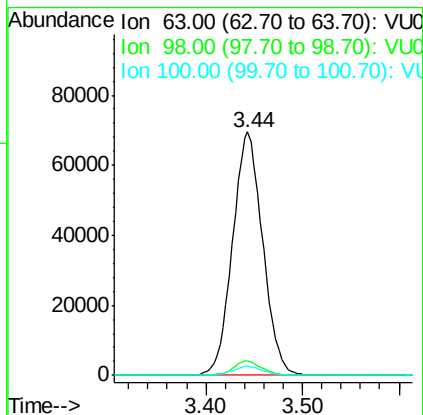
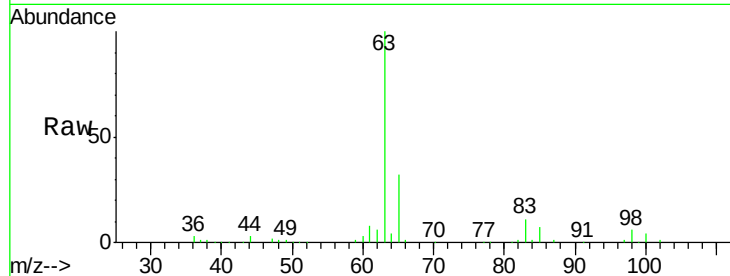
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	150210
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.0
100	3.7	1.8	5.3

Manual Integrations
APPROVED

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11/30/2018 2:33:36 PM



#18

2-Butanone

Concen: 24.468 ug/l

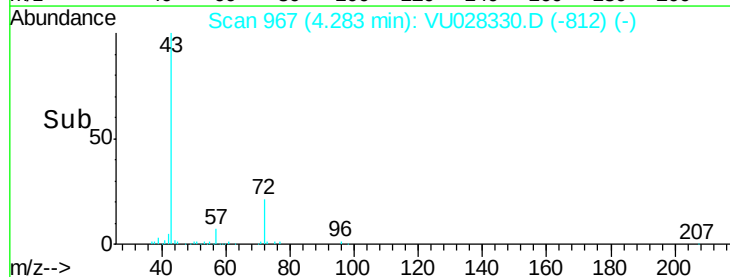
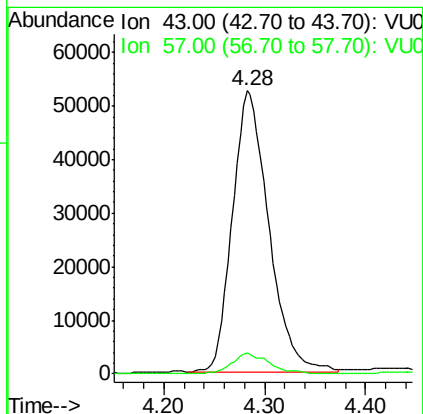
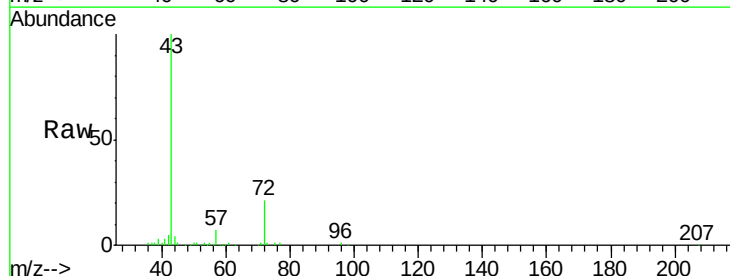
RT: 4.28 min Scan# 967

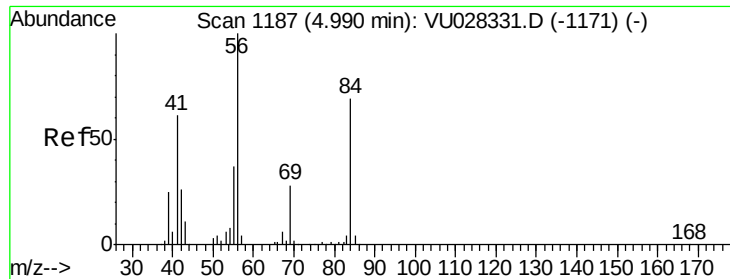
Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion:	43	Resp:	131246
Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	15.0





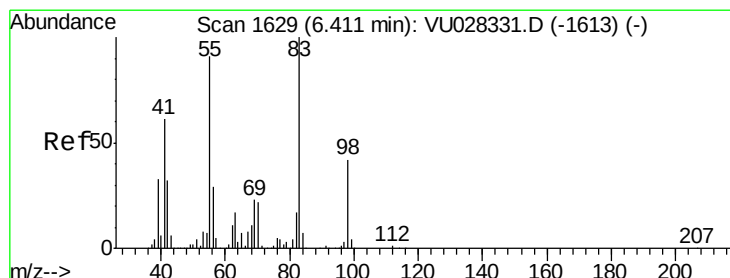
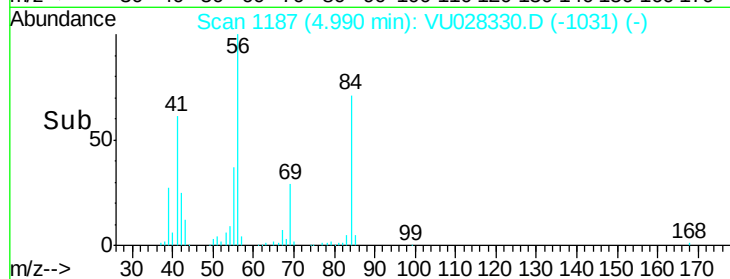
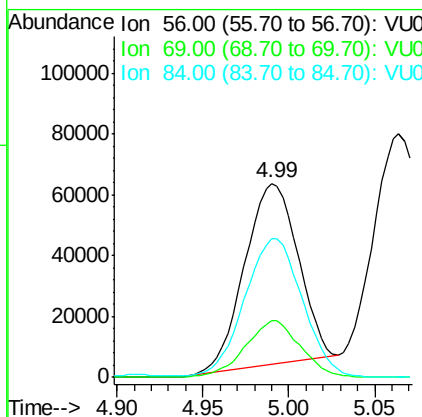
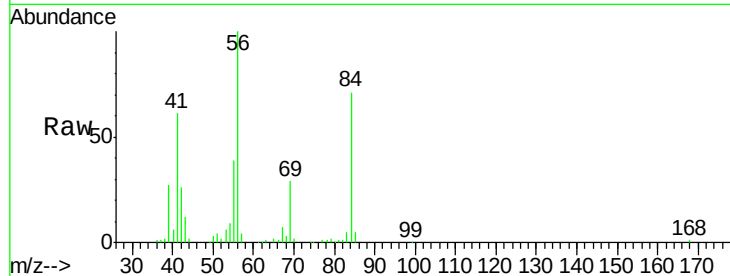
#19
Cyclohexane
Concen: 4.896 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.0	37.6
84	82.1	62.6	94.0

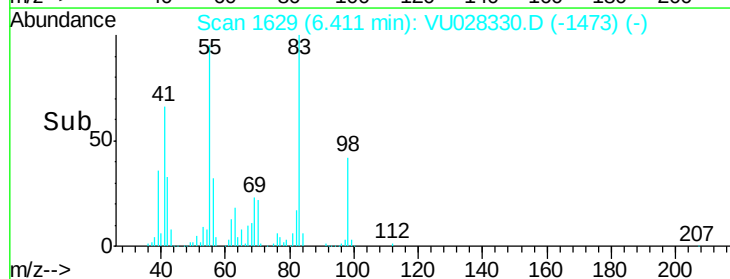
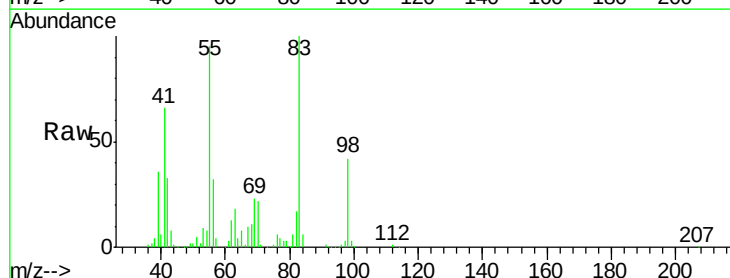
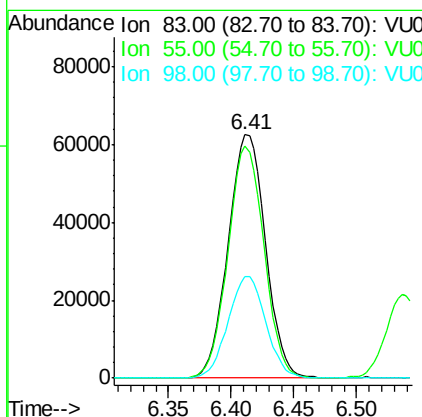
Manual Integrations
APPROVED

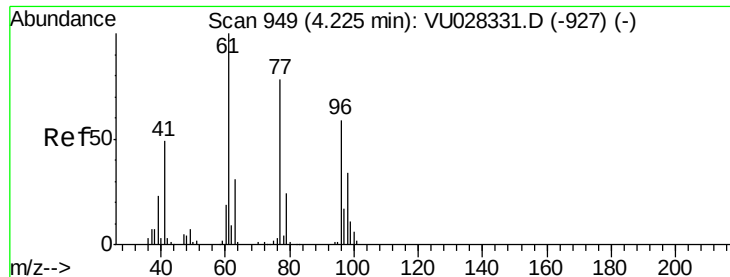
MMDadoda
11/30/2018 2:33:36 PM



#20
Methylcyclohexane
Concen: 5.014 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.0	72.6	108.8
98	42.1	33.8	50.8





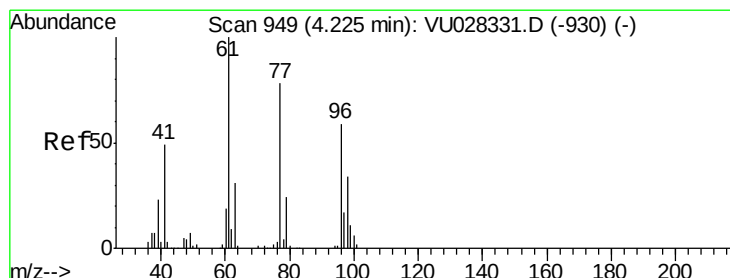
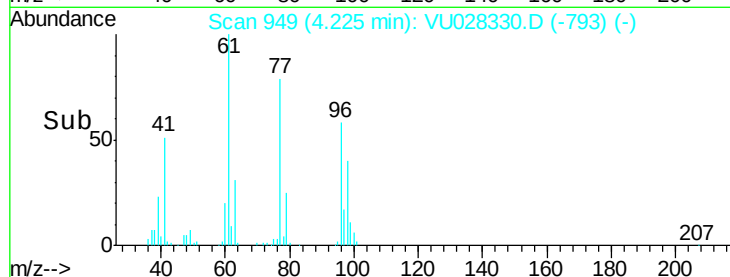
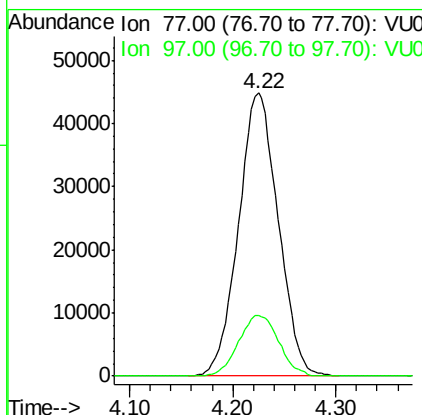
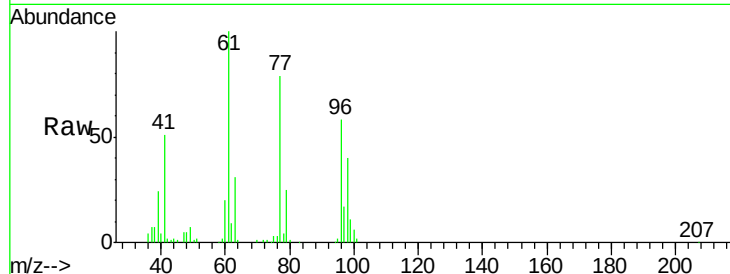
#21
 2,2-Dichloropropane
 Concen: 4.921 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC005

Tgt Ion: 77 Resp: 119825
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.4 26.2

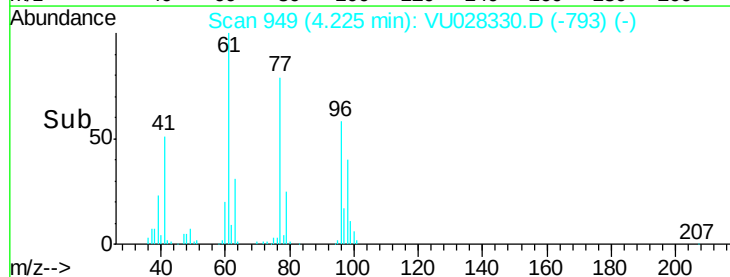
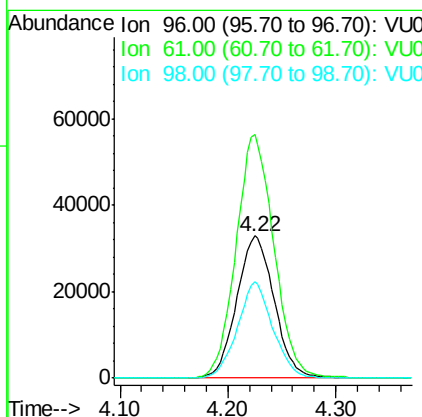
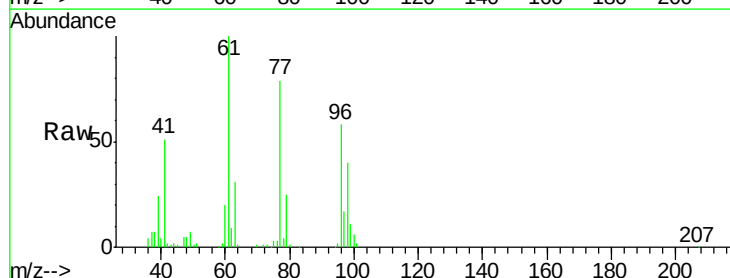
Manual Integrations
 APPROVED

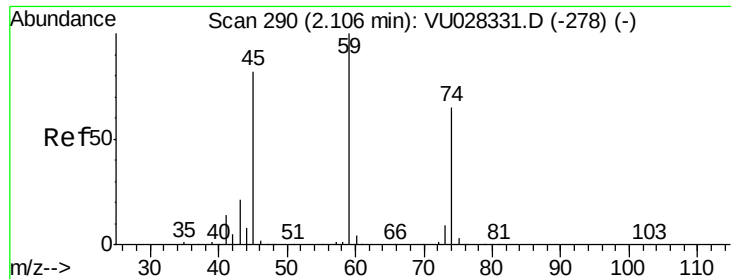
MMDadoda
 11/30/2018 2:33:36 PM



#22
 cis-1,2-Dichloroethene
 Concen: 4.990 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 96 Resp: 79478
 Ion Ratio Lower Upper
 96 100
 61 172.7 0.0 423.0
 98 63.8 30.3 91.0





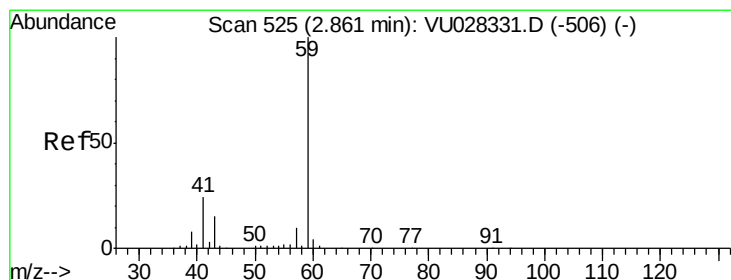
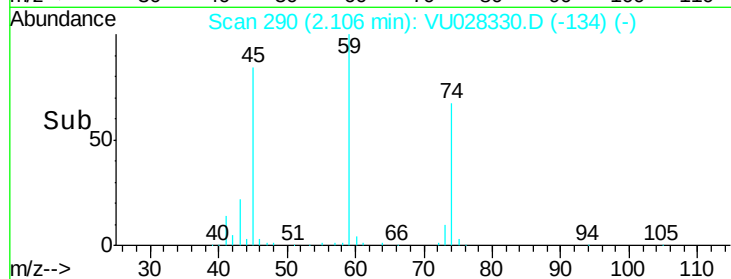
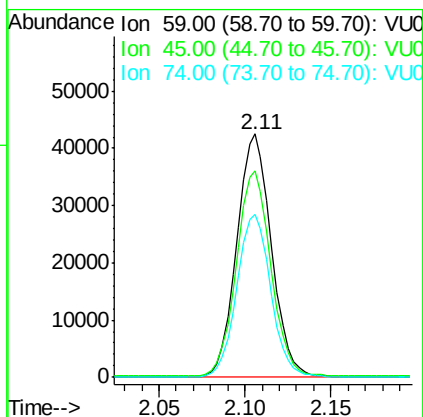
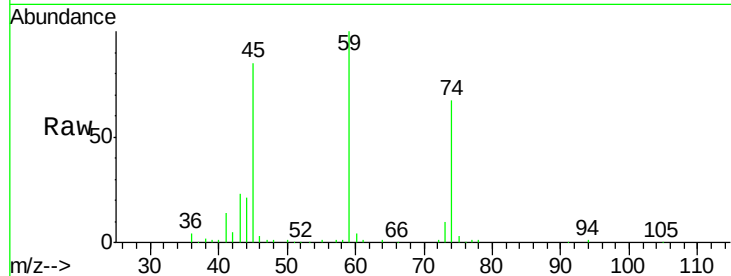
#23
Diethyl Ether
Concen: 4.889 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
59	100		
45	83.8	66.4	99.6
74	66.1	52.2	78.4

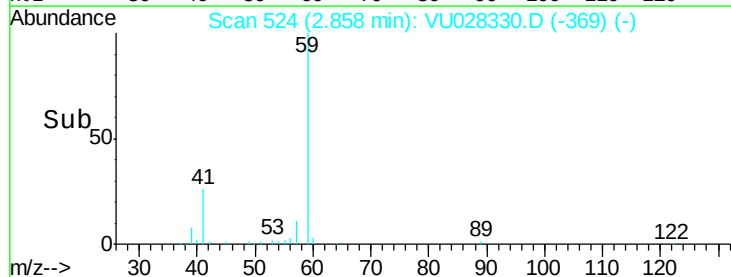
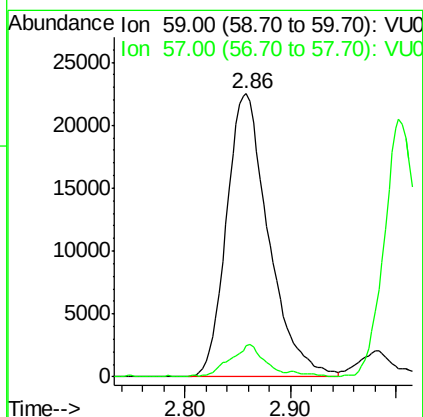
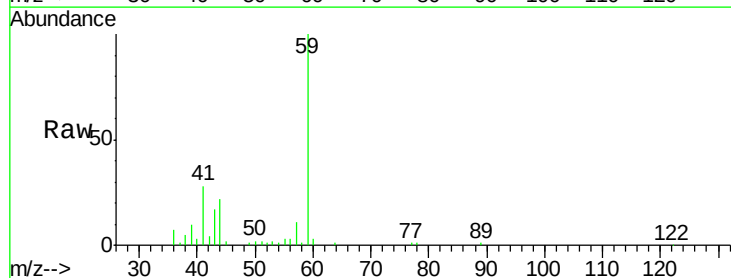
Manual Integrations
APPROVED

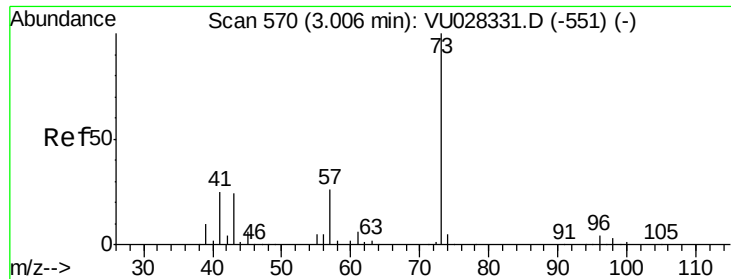
MMDadoda
11/30/2018 2:33:36 PM



#24
tert-Butyl Alcohol
Concen: 52.730 ug/l
RT: 2.86 min Scan# 524
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4





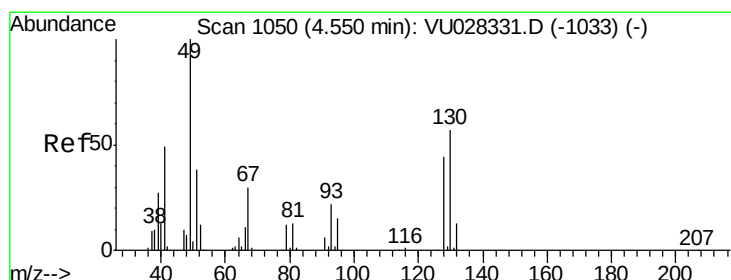
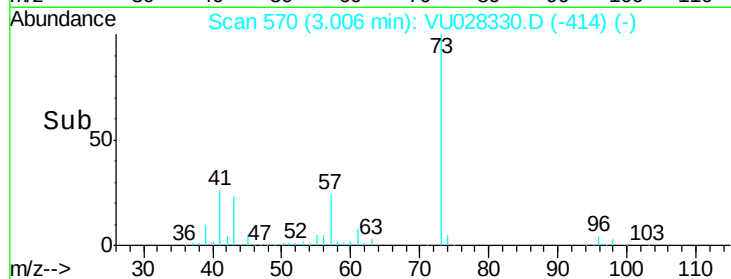
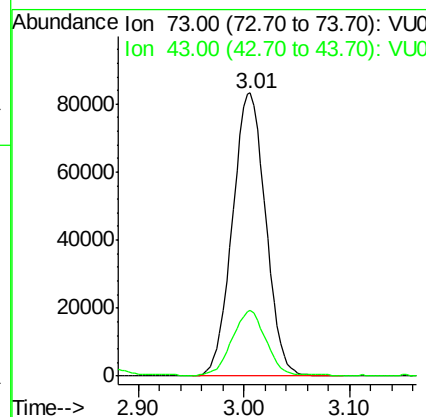
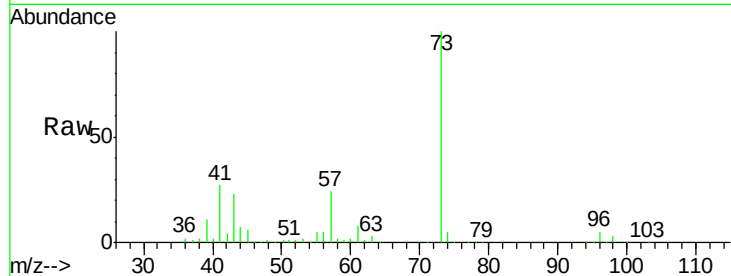
#25
Methyl tert-Butyl Ether
Concen: 5.031 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 181746
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7

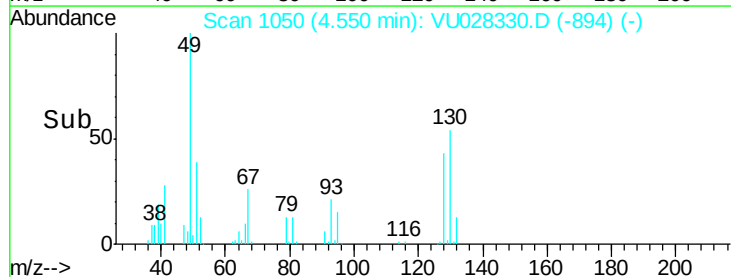
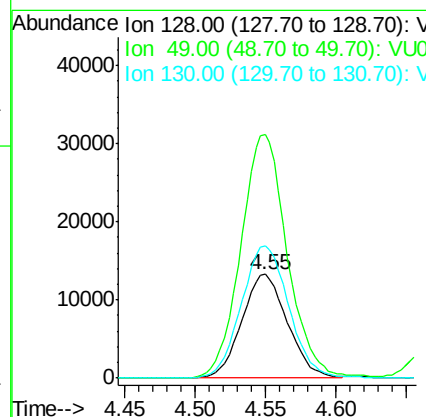
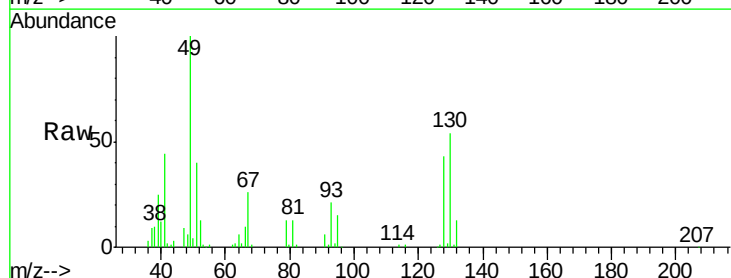
Manual Integrations
APPROVED

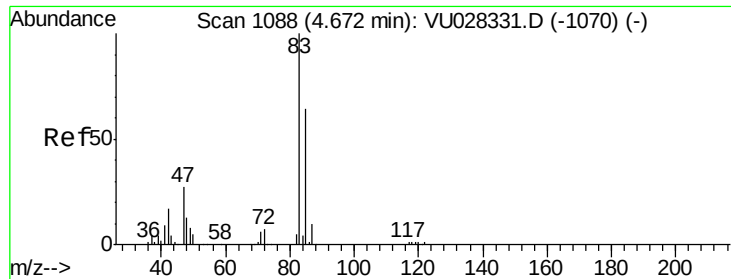
MMDadoda
11/30/2018 2:33:36 PM



#26
Bromochloromethane
Concen: 4.955 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion: 128 Resp: 30083
Ion Ratio Lower Upper
128 100
49 238.3 0.0 457.6
130 132.4 101.4 152.2





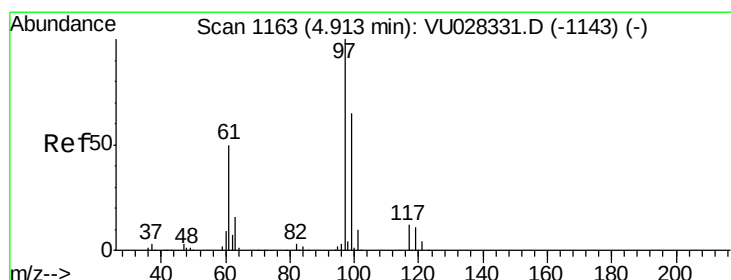
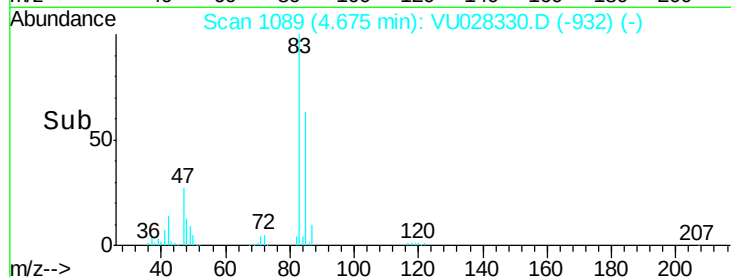
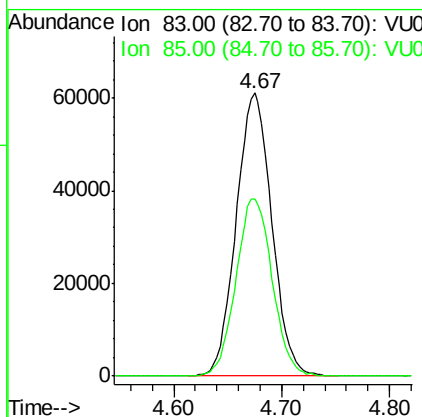
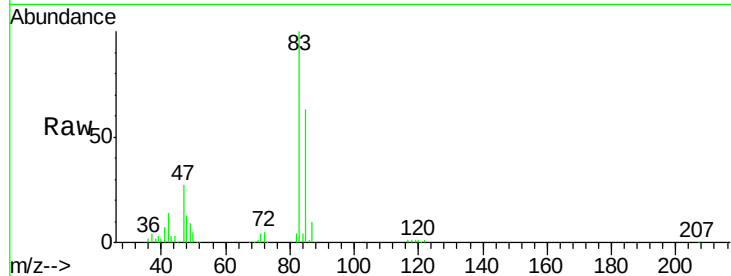
#27
Chloroform
Concen: 4.796 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	140329		
85	62.7	0.0	128.0	

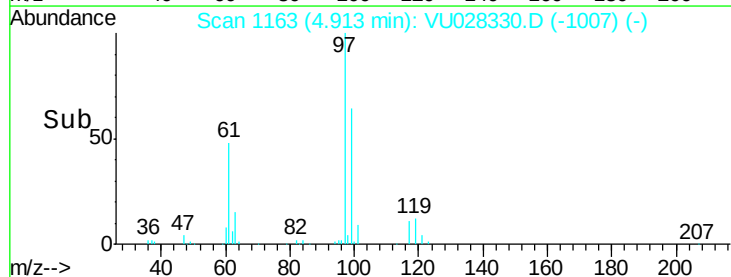
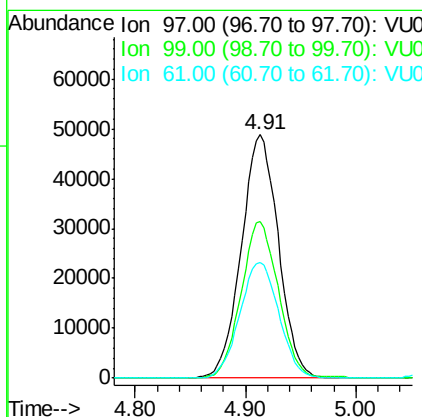
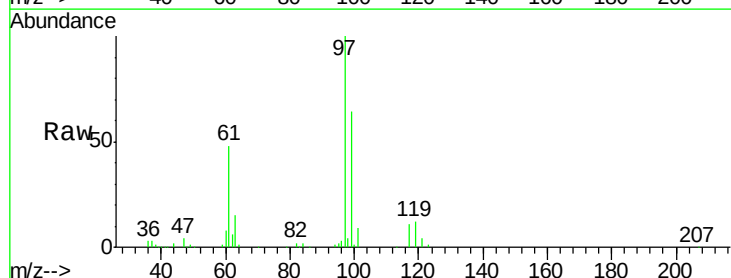
Manual Integrations
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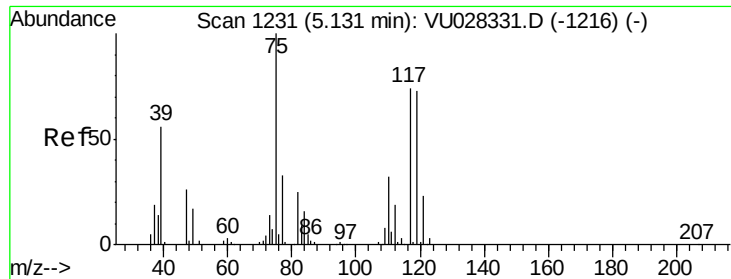
MMDadoda
11/30/2018 2:33:36 PM



#28
1,1,1-Trichloroethane
Concen: 4.990 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	114022		
99	64.6	32.2	96.6	
61	50.1	24.9	74.7	





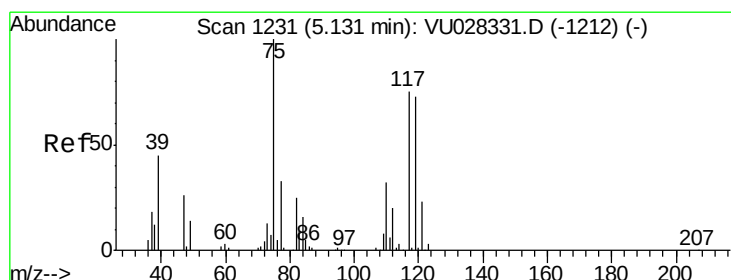
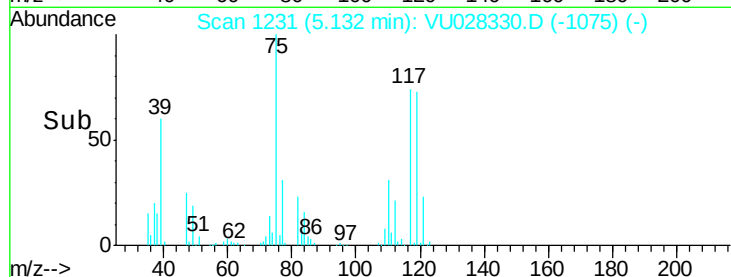
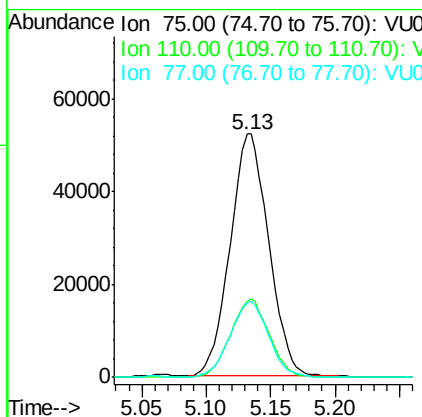
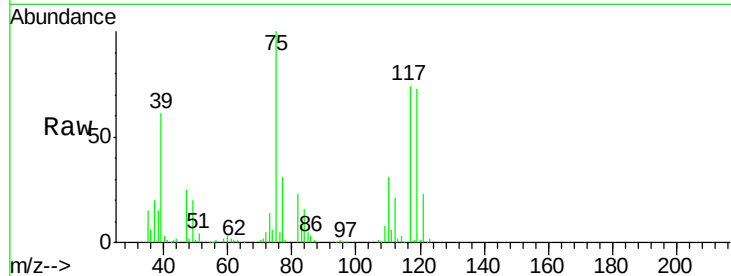
#29
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	15.8	47.3
77	31.4	25.4	38.0

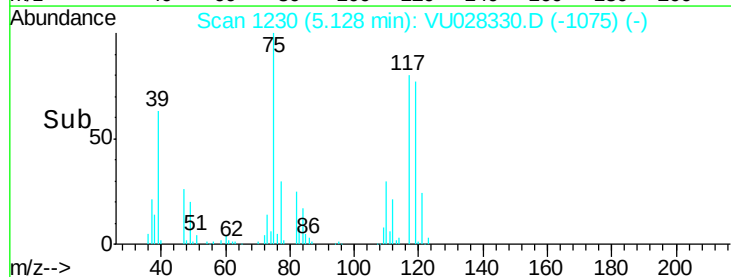
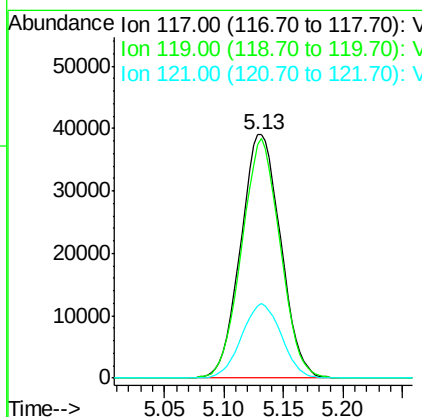
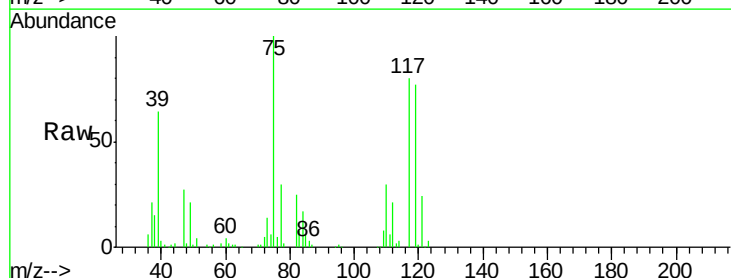
Manual Integrations
 APPROVED

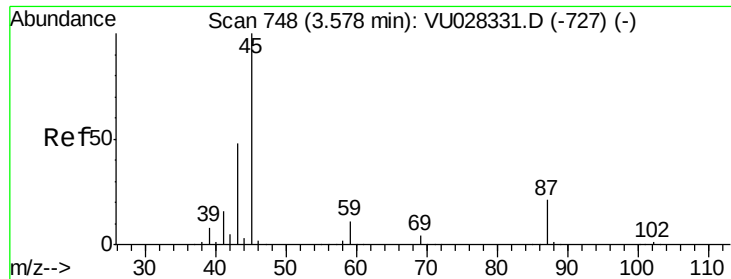
MMDadoda
 11/30/2018 2:33:36 PM



#30
 Carbon Tetrachloride
 Concen: 4.923 ug/l
 RT: 5.13 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.2	117.4
121	29.6	24.7	37.1





#31

Isopropyl Ether

Concen: 4.974 ug/l

RT: 3.58 min Scan# 748

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 45 Resp: 270244

Ion Ratio Lower Upper

45 100

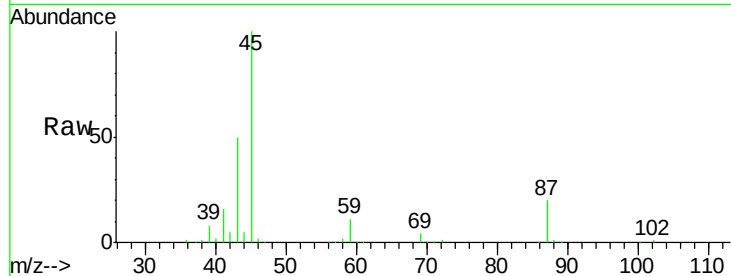
43 49.3 24.2 72.6

Manual Integrations

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

120000

100000

80000

60000

40000

20000

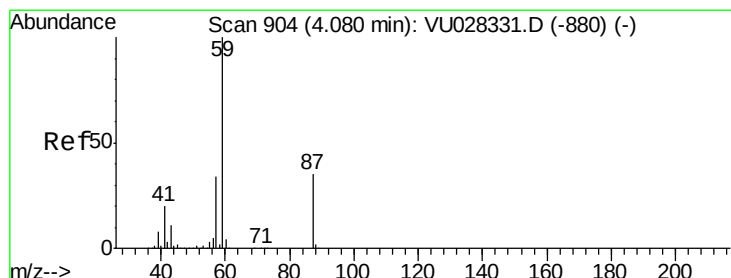
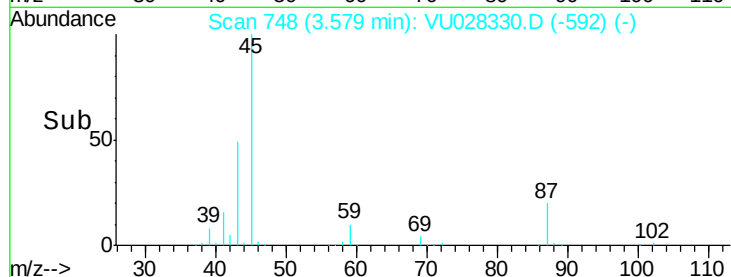
0

3.50

3.60

3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 5.039 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028330.D

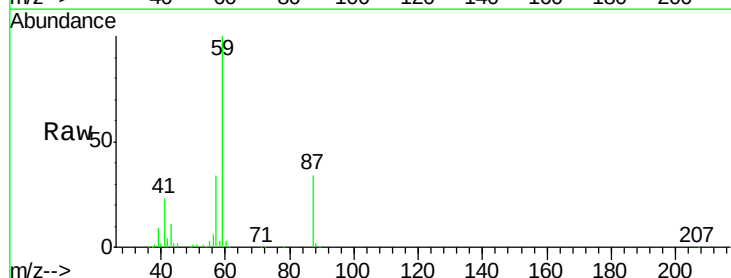
Acq: 26 Nov 2018 11:01

Tgt Ion: 59 Resp: 225478

Ion Ratio Lower Upper

59 100

87 34.6 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

80000

60000

40000

20000

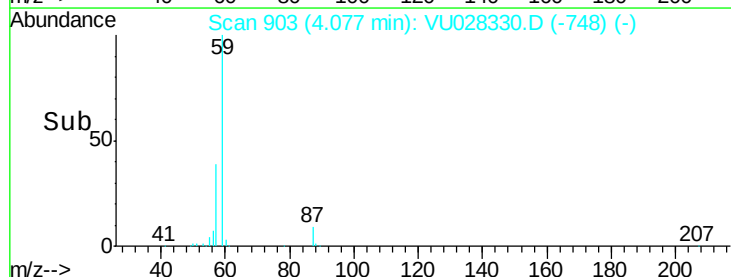
0

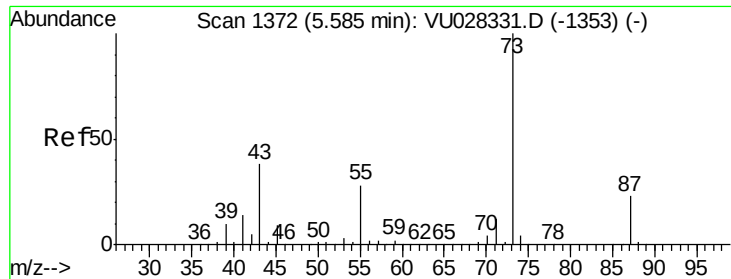
4.00

4.10

4.20

Time-->





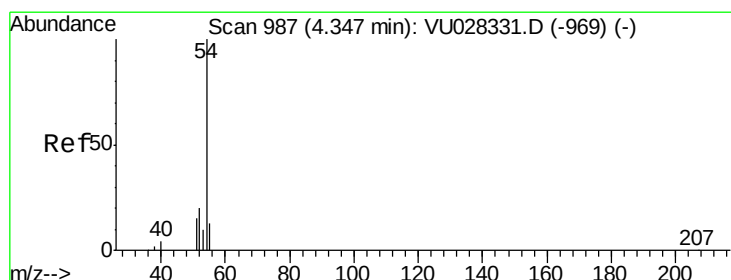
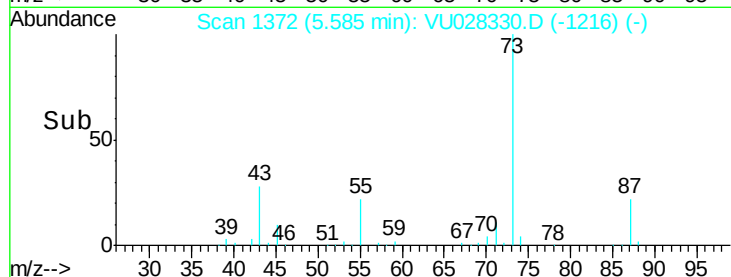
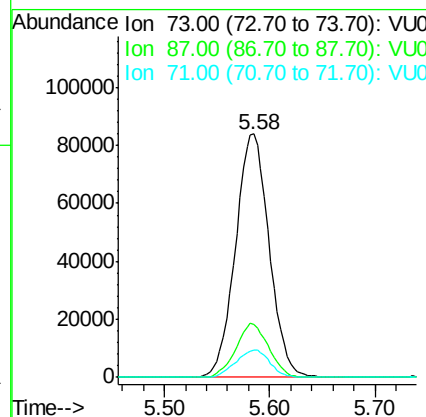
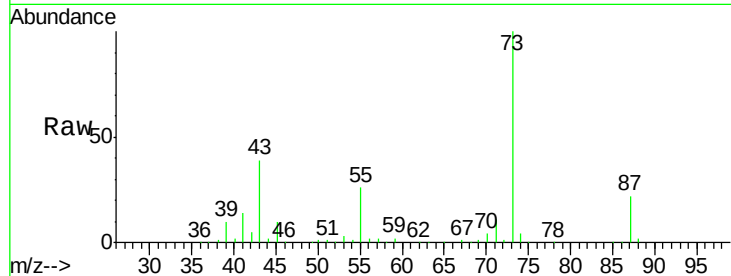
#33
Tert-Amyl methyl ether
Concen: 5.002 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
73	100		
87	21.6	17.6	26.4
71	11.3	9.2	13.8

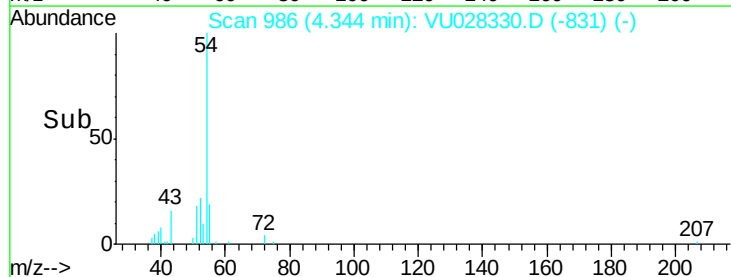
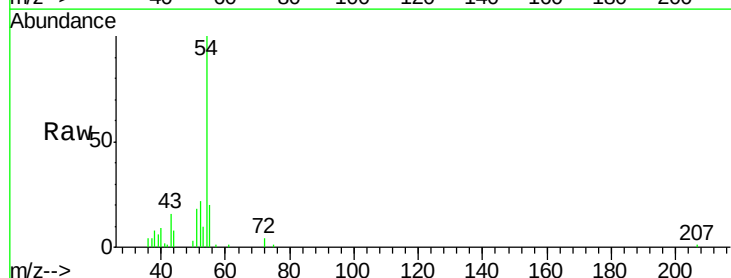
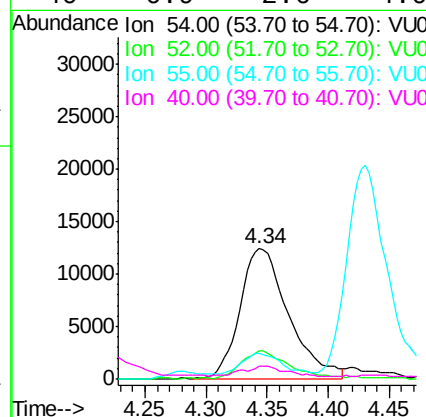
Manual Integrations
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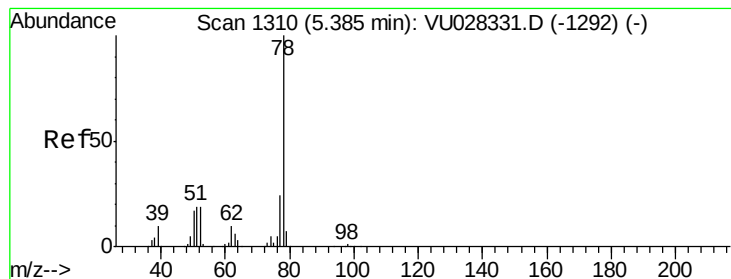
MMDadoda
11/30/2018 2:33:36 PM



#34
Propionitrile
Concen: 25.599 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.2	16.6	25.0
55	17.5	12.9	19.3
40	6.9	2.6	4.0#





#35

Benzene

Concen: 4.987 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 78 Resp: 321781

Ion Ratio Lower Upper

78 100

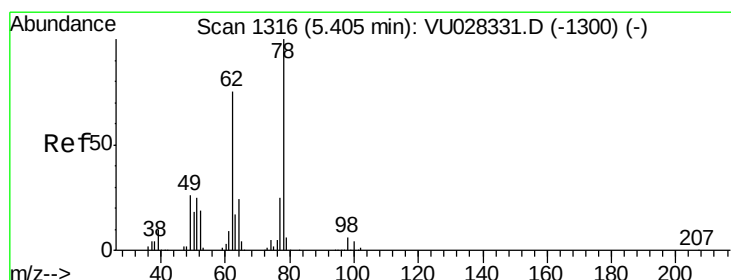
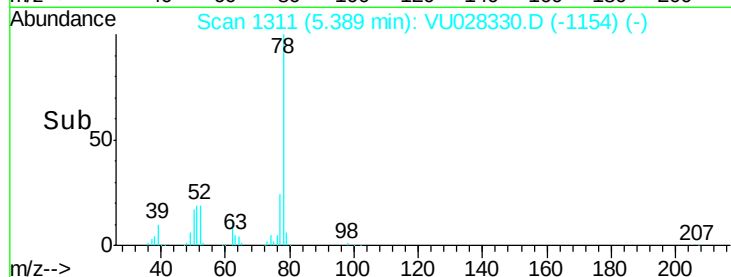
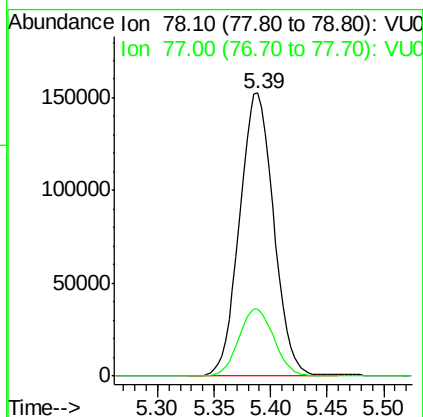
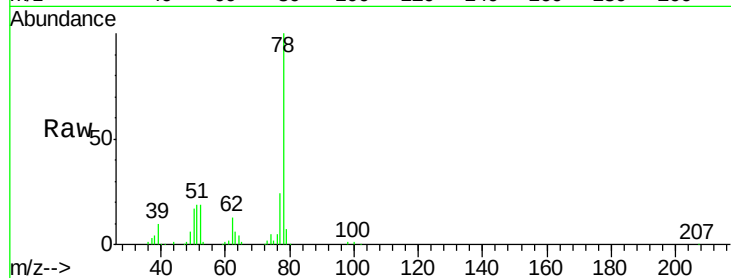
77 23.7 19.5 29.3

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#36

1,2-Dichloroethane

Concen: 4.906 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028330.D

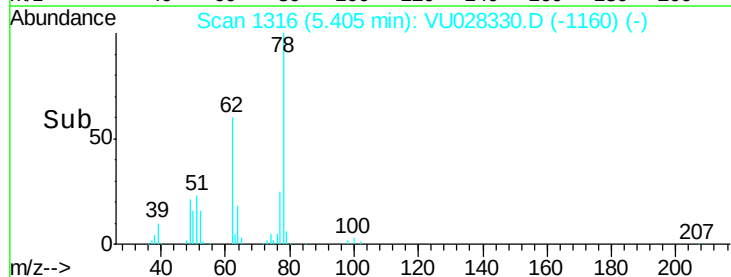
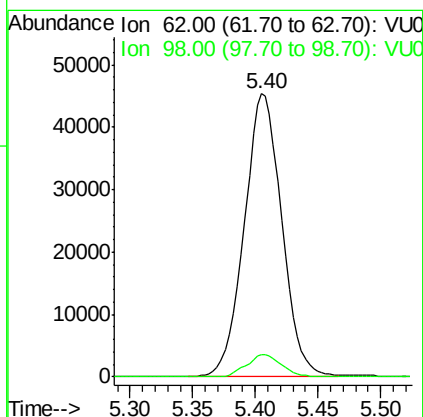
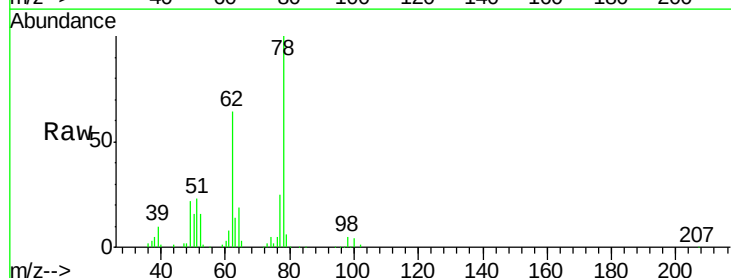
Acq: 26 Nov 2018 11:01

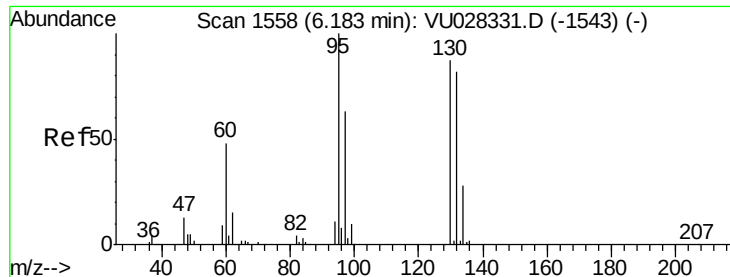
Tgt Ion: 62 Resp: 94679

Ion Ratio Lower Upper

62 100

98 7.3 6.0 9.0





#37

Trichloroethene

Concen: 4.949 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:130 Resp: 69552

Ion Ratio Lower Upper

130 100

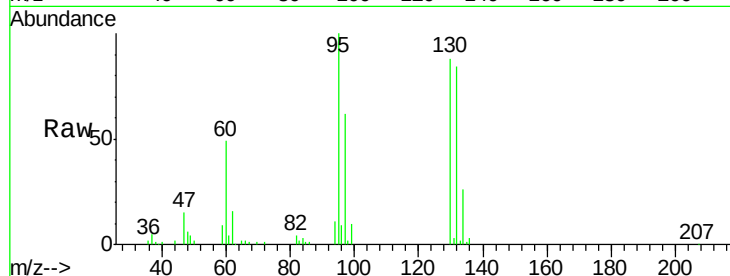
95 113.4 91.5 137.3

Manual Integrations

APPROVED

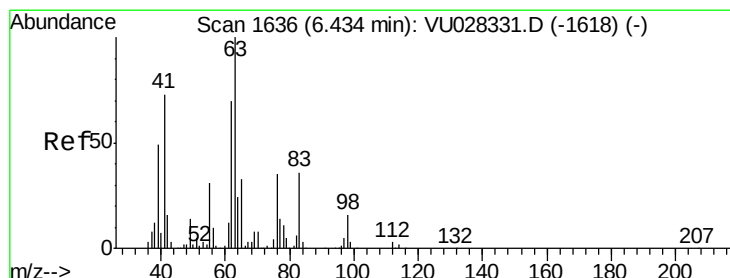
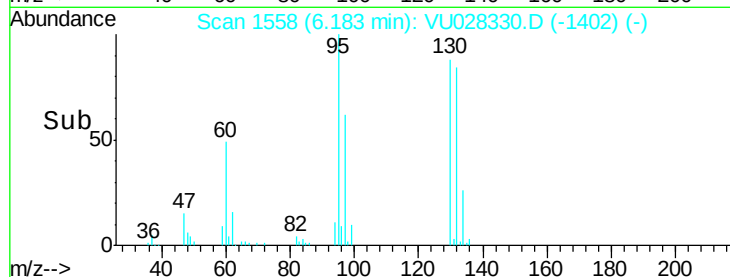
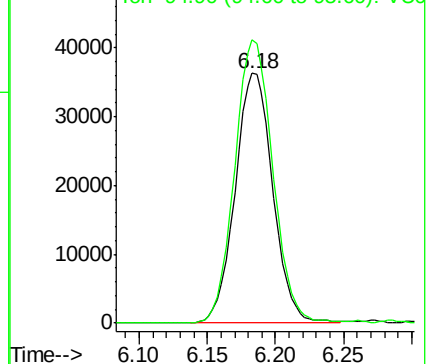
MMDadoda

11/30/2018 2:33:36 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 5.028 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028330.D

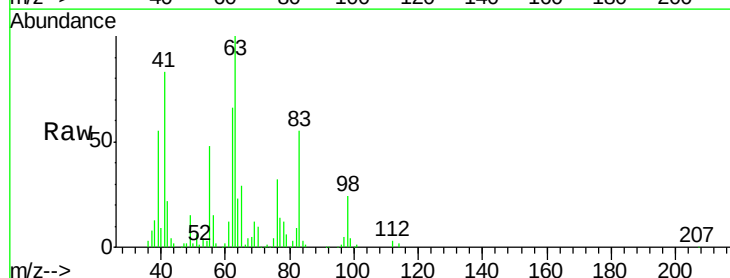
Acq: 26 Nov 2018 11:01

Tgt Ion: 63 Resp: 92535

Ion Ratio Lower Upper

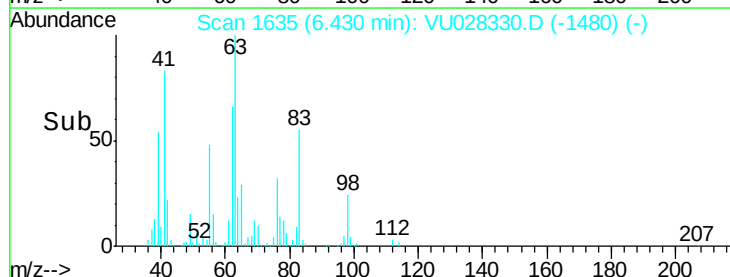
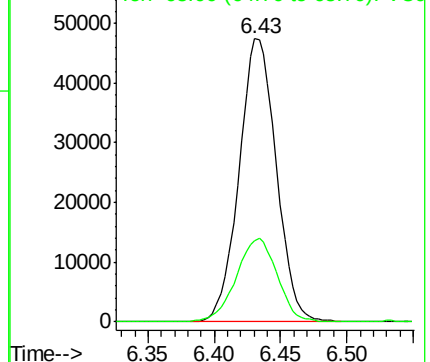
63 100

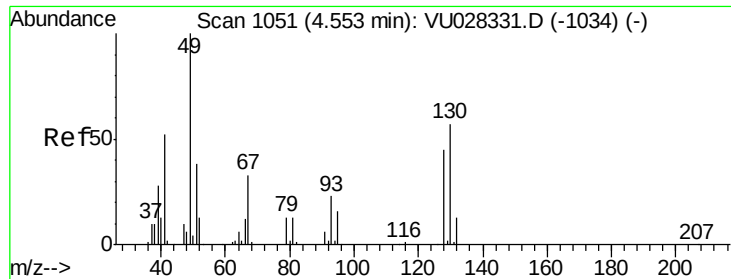
65 28.9 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





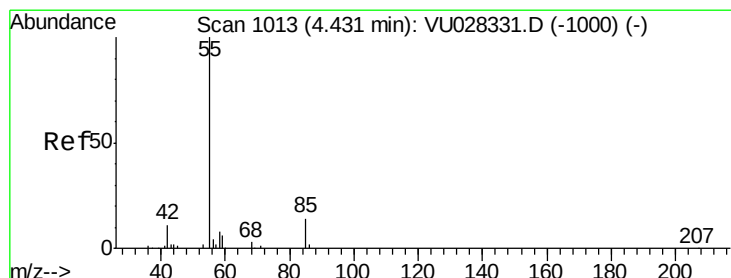
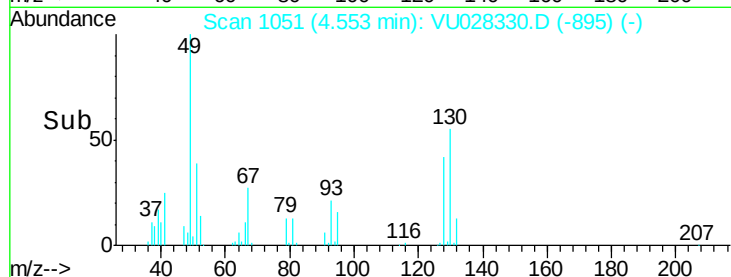
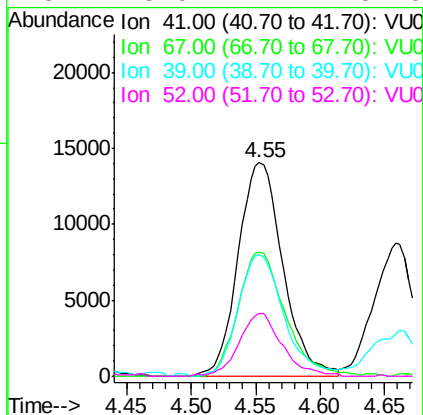
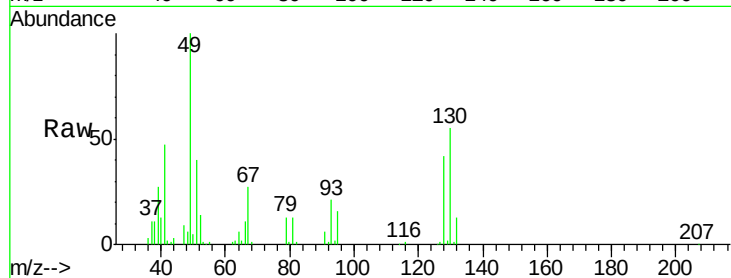
#39
Methacrylonitrile
Concen: 4.716 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
67	61.0	48.2	72.4
39	58.3	42.9	64.3
52	28.0	21.4	32.0

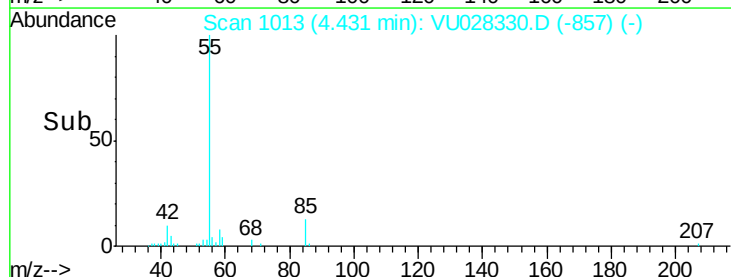
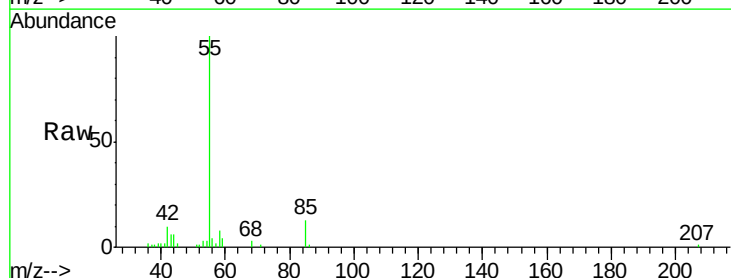
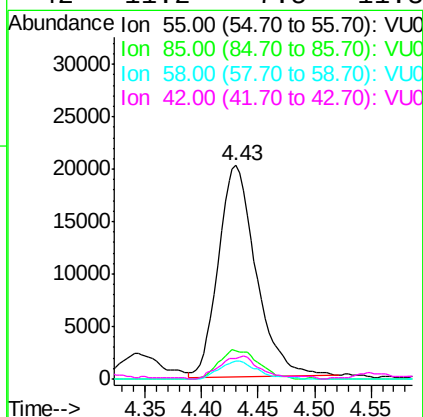
Manual Integrations
APPROVED

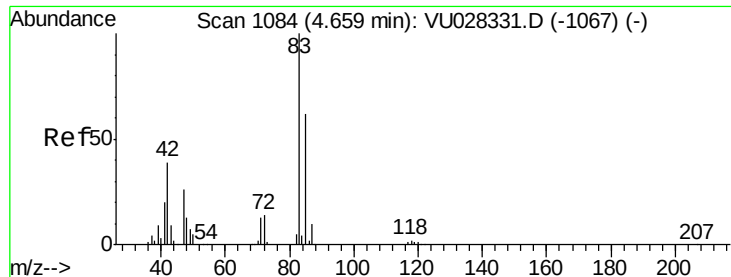
MMDadoda
11/30/2018 2:33:36 PM



#40
Methyl acrylate
Concen: 4.710 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
55	100		
85	14.4	10.9	16.3
58	8.0	6.4	9.6
42	11.2	7.5	11.3





#41

Tetrahydrofuran

Concen: 9.905 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

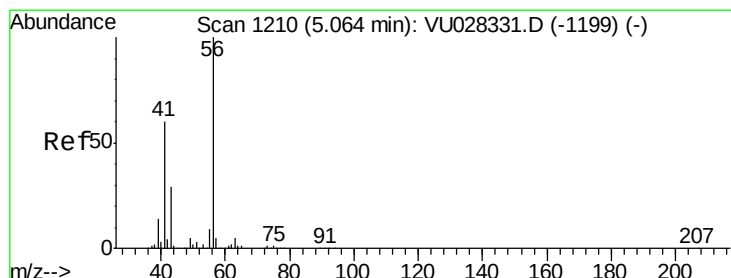
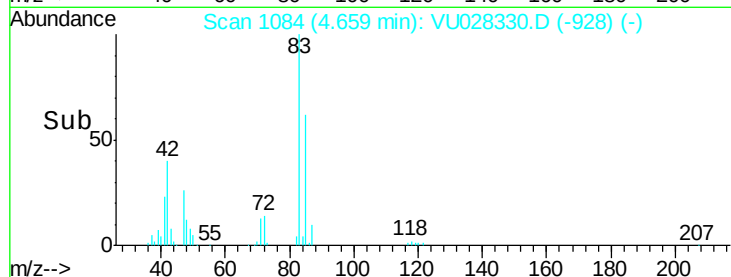
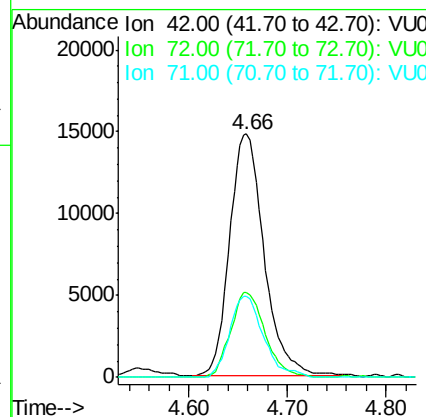
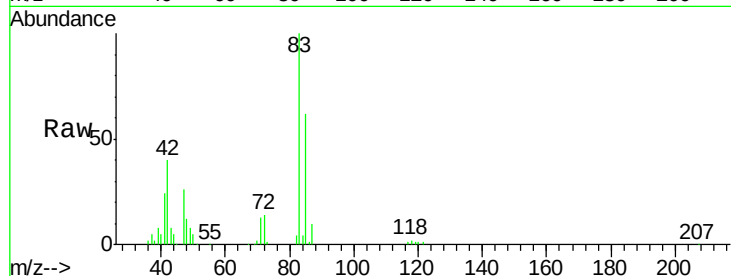
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	35936
Ion Ratio	Lower	Upper	
42	100		
72	35.2	29.8	44.6
71	33.1	25.9	38.9

Manual Integrations
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11/30/2018 2:33:36 PM



#42

1-Chlorobutane

Concen: 4.934 ug/l

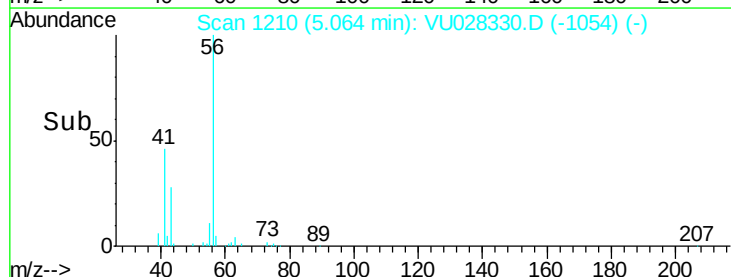
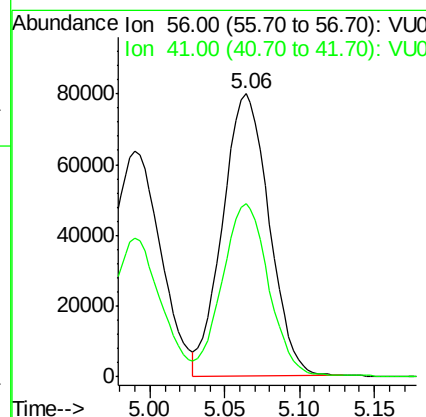
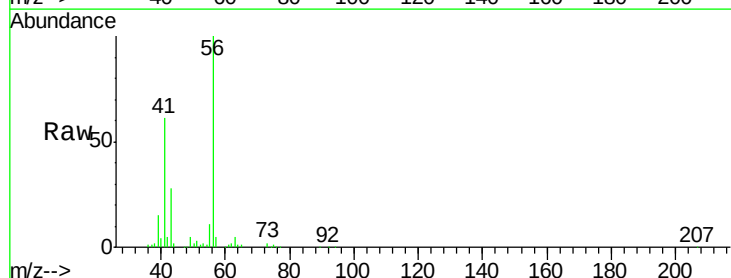
RT: 5.06 min Scan# 1210

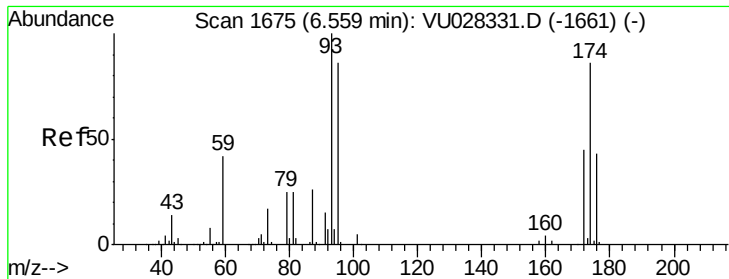
Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion:	56	Resp:	171934
Ion Ratio	Lower	Upper	
56	100		
41	61.0	29.8	89.3





#43

Dibromomethane

Concen: 5.045 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

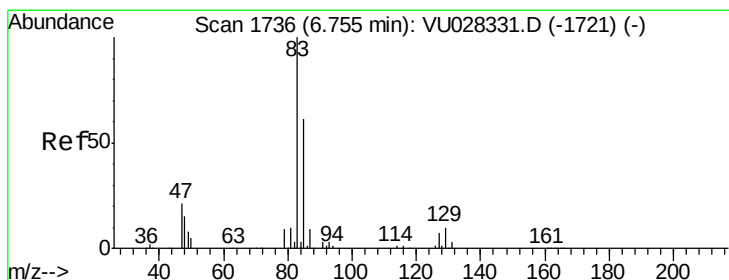
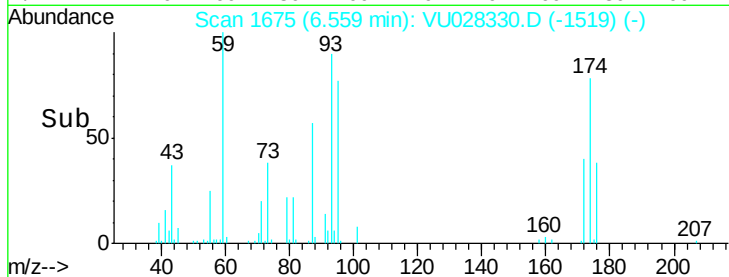
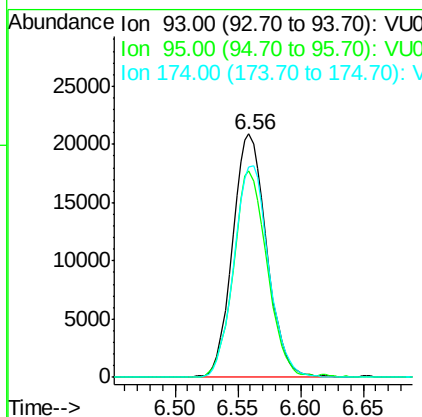
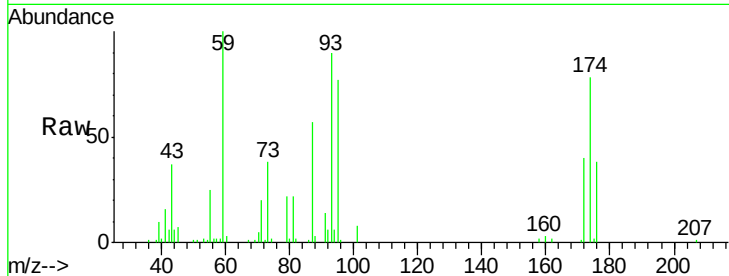
ClientSampleId :

VSTDIC005

Tgt Ion:	93	Resp:	39518
Ion Ratio	Lower	Upper	
93	100		
95	83.5	66.6	99.8
174	88.1	69.4	104.2

Manual Integrations
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11/30/2018 2:33:36 PM



#44

Bromodichloromethane

Concen: 4.874 ug/l

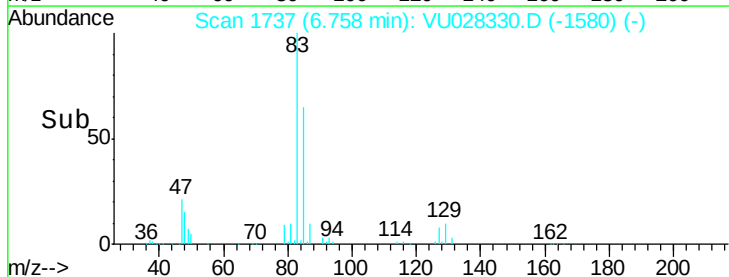
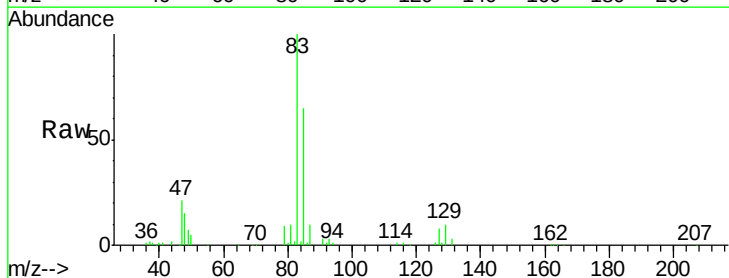
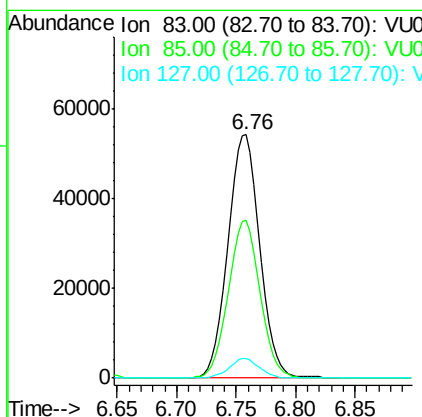
RT: 6.76 min Scan# 1737

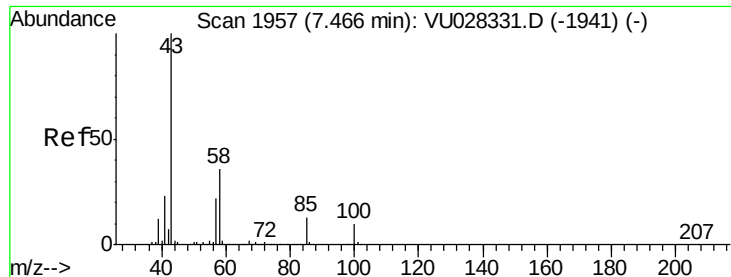
Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion:	83	Resp:	100818
Ion Ratio	Lower	Upper	
83	100		
85	64.7	49.0	73.6
127	8.2	5.7	8.5





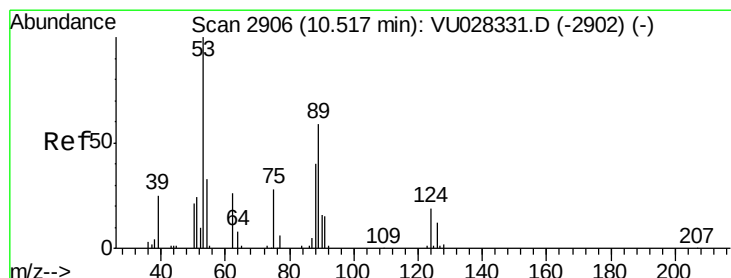
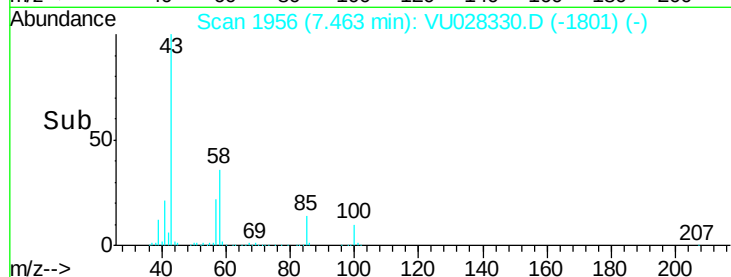
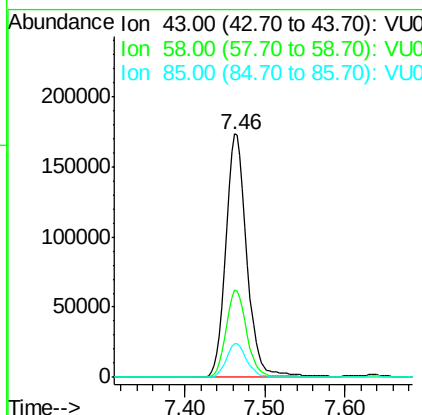
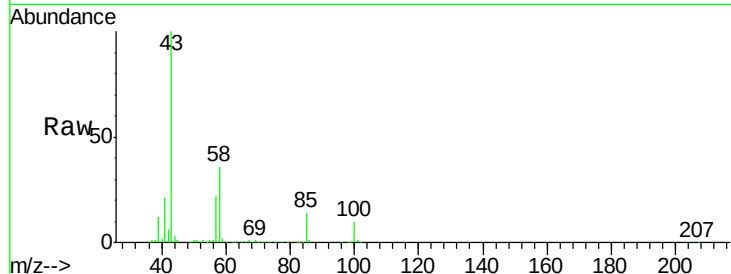
#45
4-Methyl-2-Pentanone
Concen: 24.992 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

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

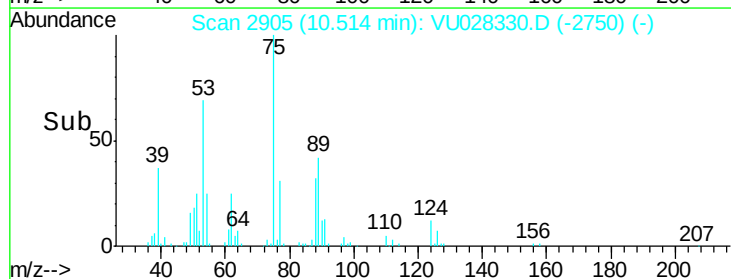
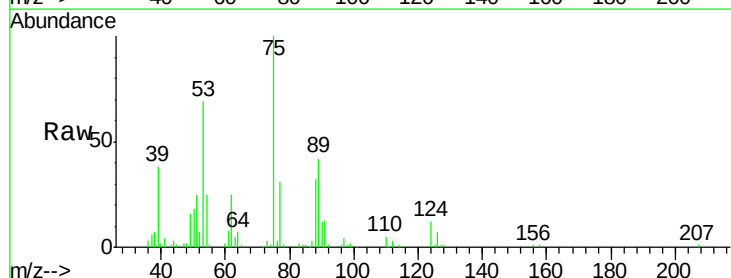
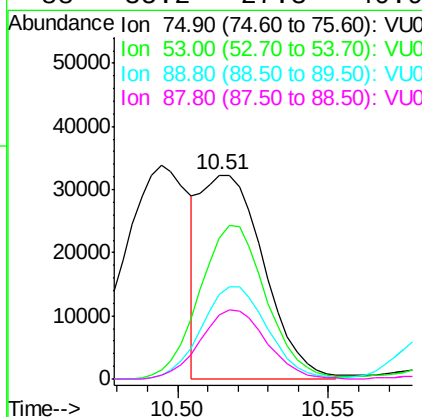
Manual Integrations
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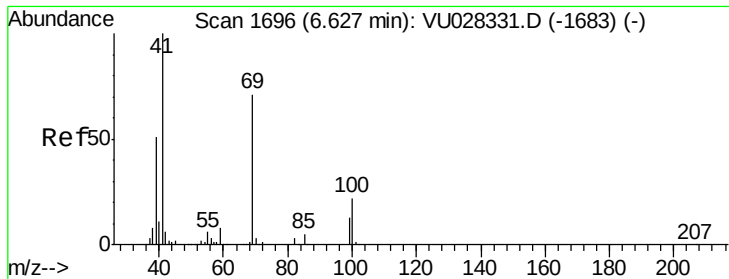
MMDadoda
11/30/2018 2:33:36 PM



#46
t-1,4-Dichloro-2-butene
Concen: 10.517 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.4	65.0	97.6
89	47.2	38.6	58.0
88	35.2	27.3	40.9





#47

Methyl methacrylate

Concen: 10.126 ug/l

RT: 6.63 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

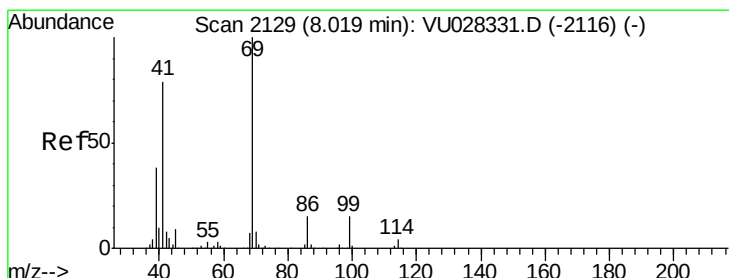
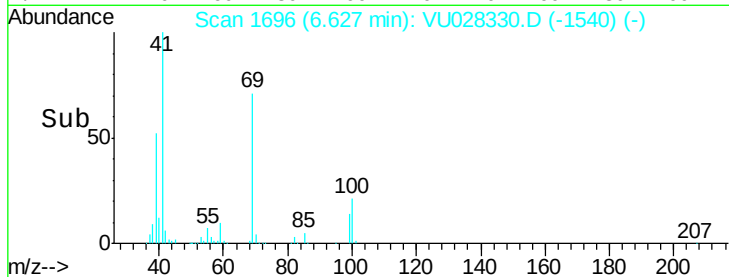
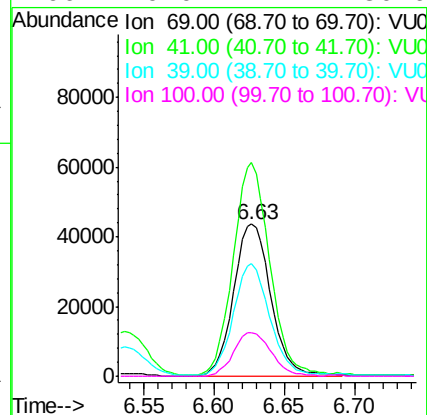
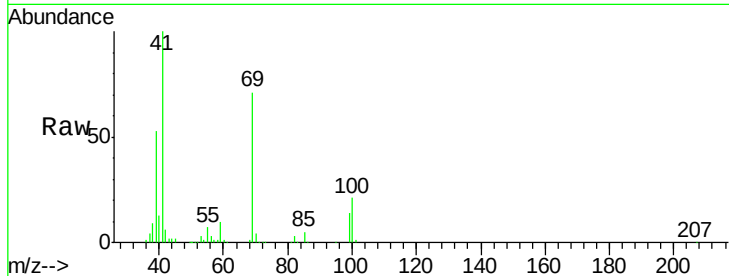
ClientSampleId :

VSTDIC005

Tgt Ion:	69	Resp:	80968
Ion	Ratio	Lower	Upper
69	100		
41	136.3	0.0	277.2
39	71.3	57.6	86.4
100	29.0	24.4	36.6

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#48

Ethyl methacrylate

Concen: 5.007 ug/l

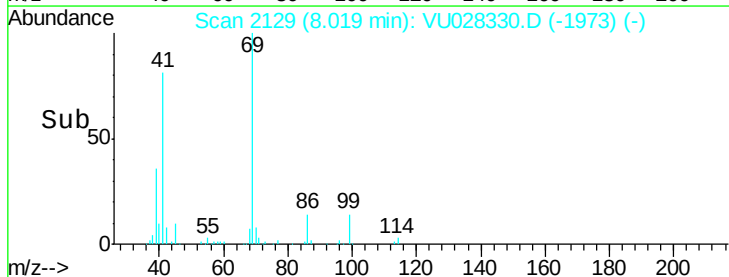
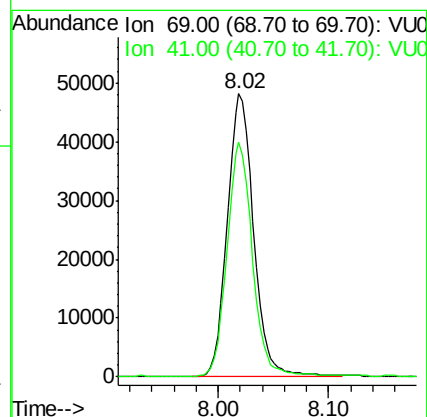
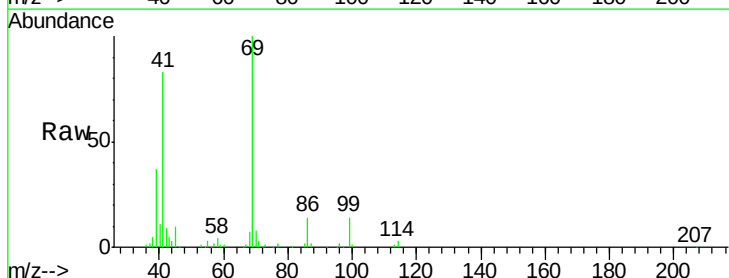
RT: 8.02 min Scan# 2129

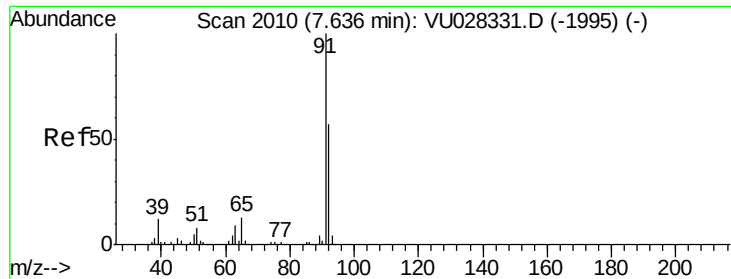
Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Tgt Ion:	69	Resp:	80089
Ion	Ratio	Lower	Upper
69	100		
41	80.3	39.4	118.2





#49

Toluene

Concen: 5.037 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 92 Resp: 180497

Ion Ratio Lower Upper

92 100

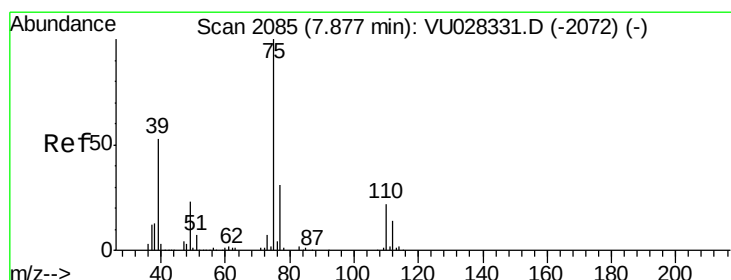
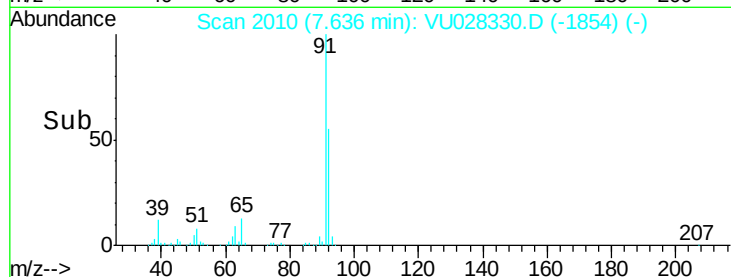
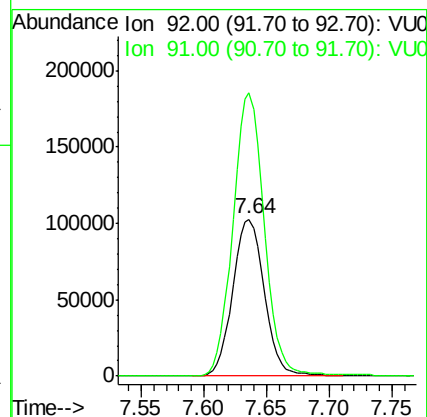
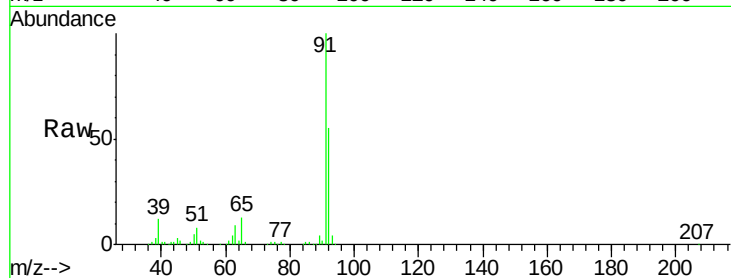
91 179.3 141.5 212.3

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 5.016 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028330.D

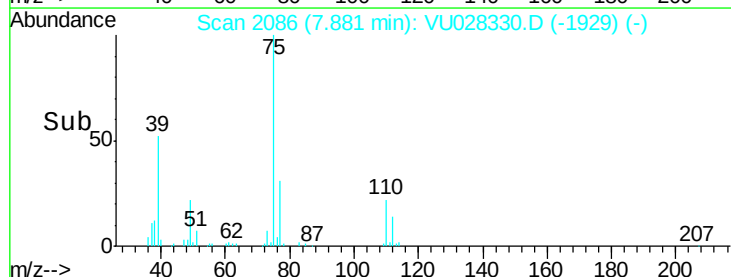
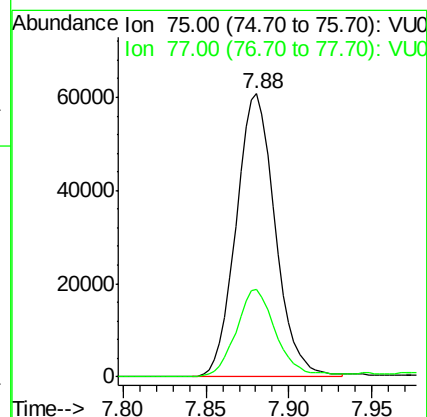
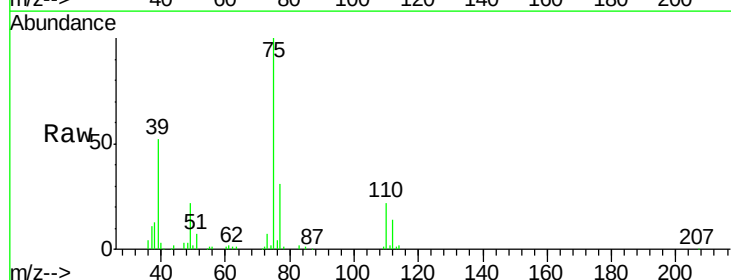
Acq: 26 Nov 2018 11:01

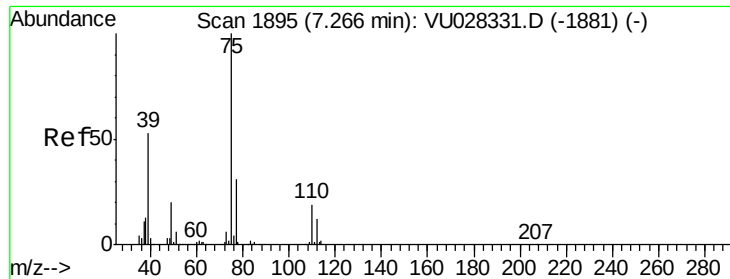
Tgt Ion: 75 Resp: 99662

Ion Ratio Lower Upper

75 100

77 30.6 24.7 37.1





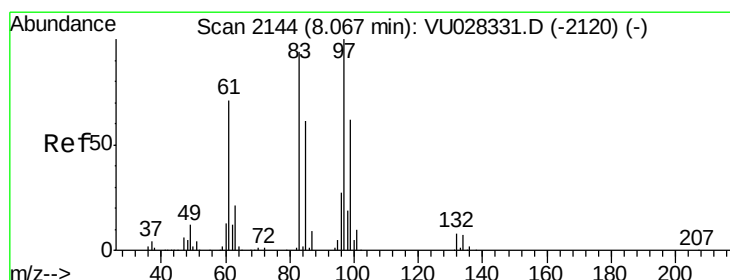
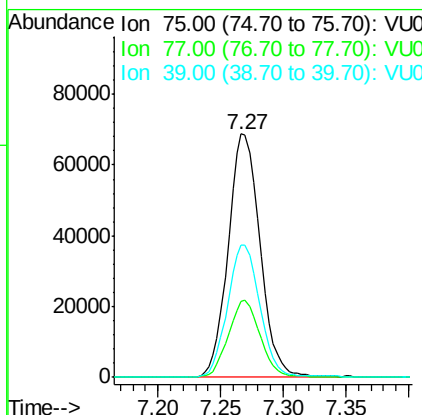
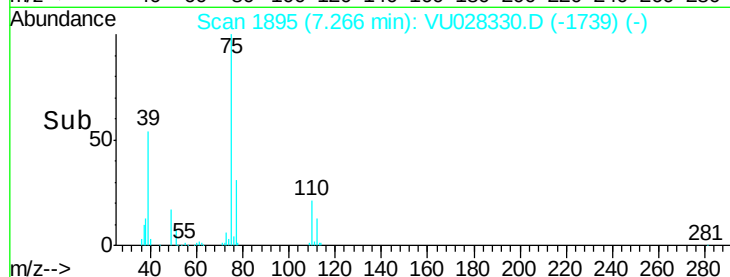
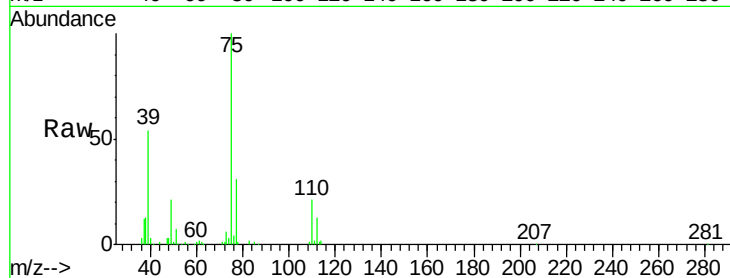
#51
 cis-1,3-Dichloropropene
 Concen: 4.961 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.4	36.6
39	54.1	42.8	64.2

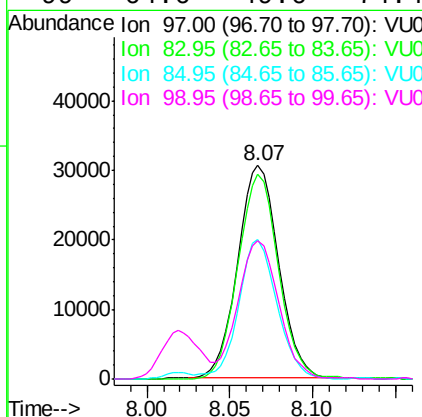
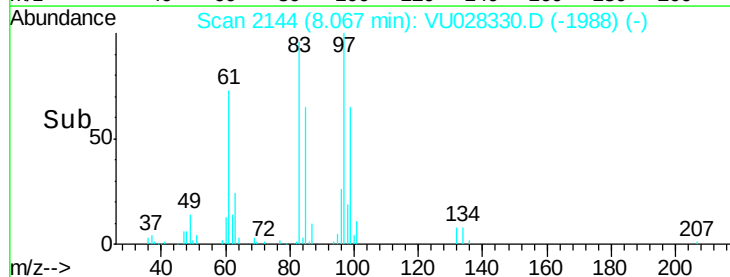
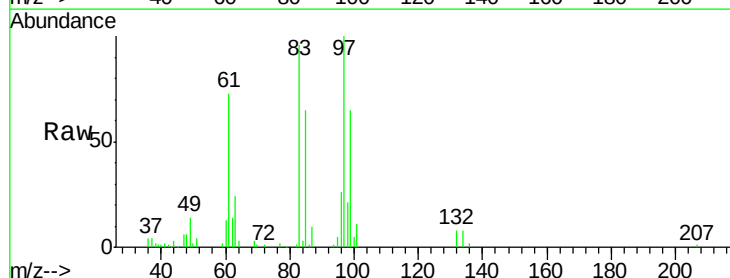
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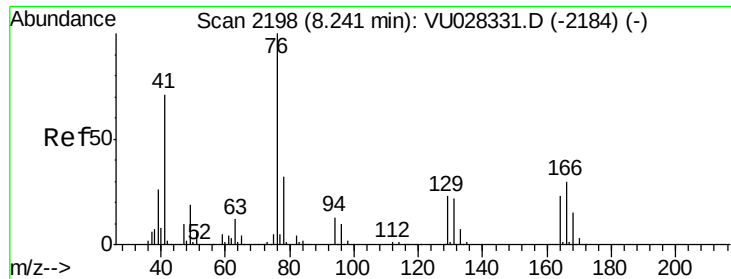
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 11/30/2018 2:33:36 PM



#52
 1,1,2-Trichloroethane
 Concen: 4.766 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.4	75.1	112.7
85	65.6	48.7	73.1
99	64.6	49.6	74.4





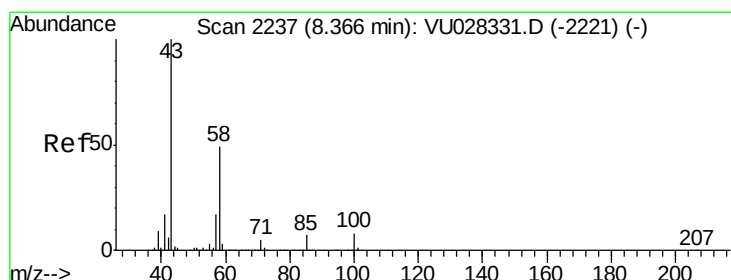
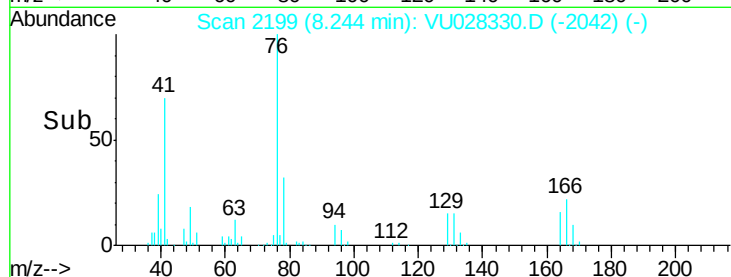
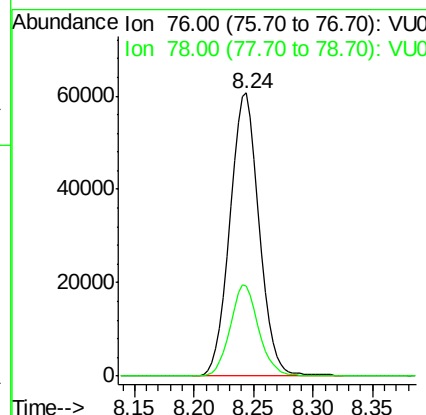
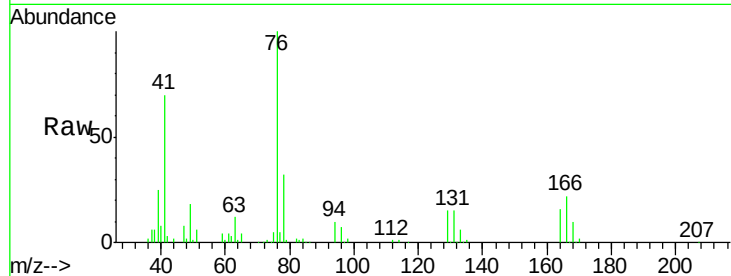
#53
 1,3-Dichloropropane
 Concen: 5.027 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 103285
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.0

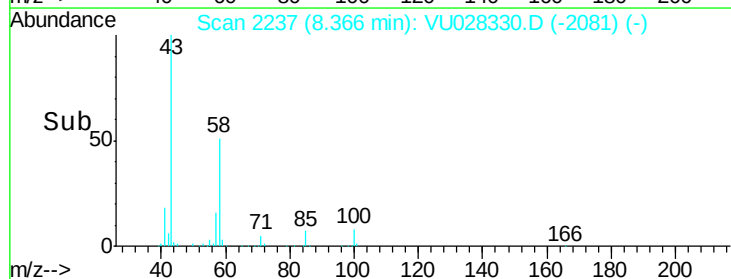
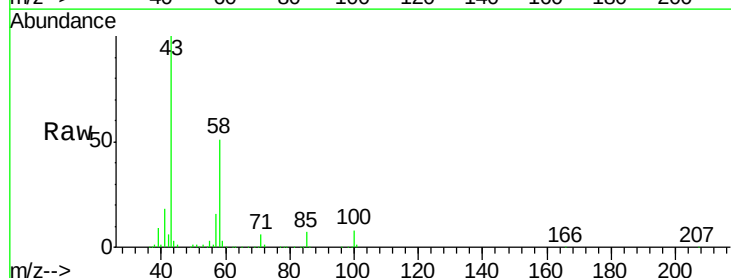
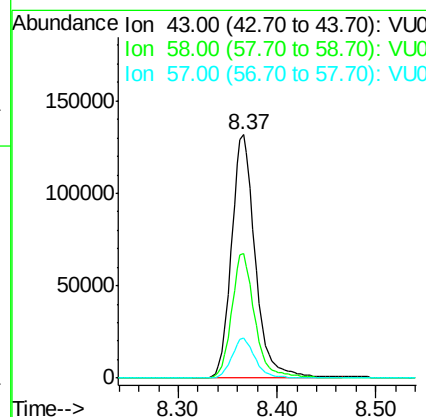
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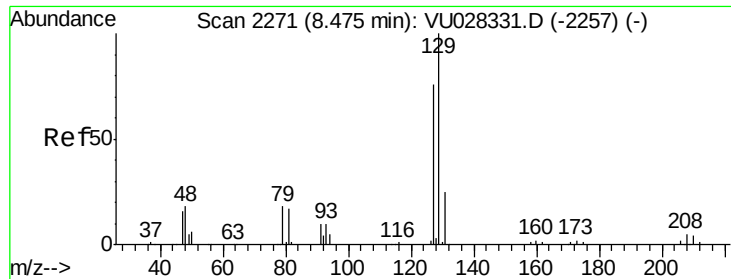
MMDadoda
 11/30/2018 2:33:36 PM



#54
 2-Hexanone
 Concen: 24.640 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion: 43 Resp: 223039
 Ion Ratio Lower Upper
 43 100
 58 49.6 29.3 69.3
 57 16.1 0.0 36.8





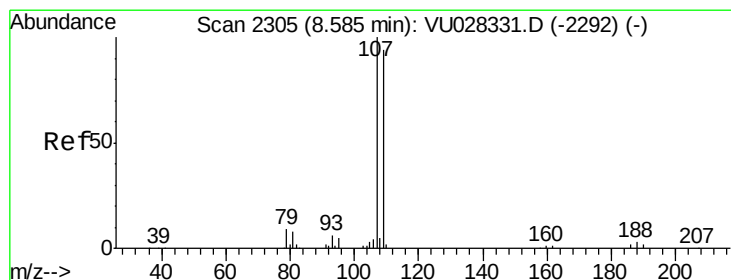
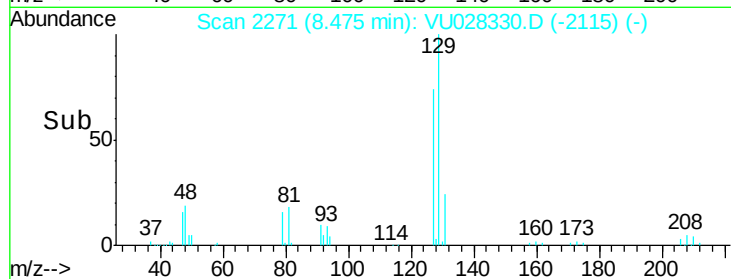
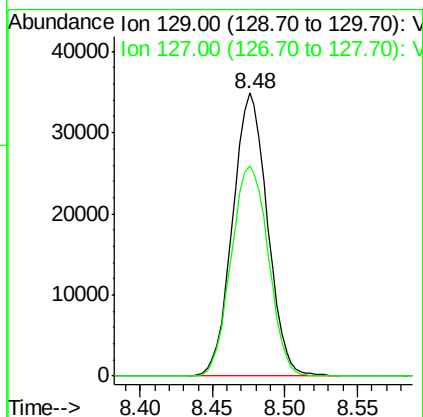
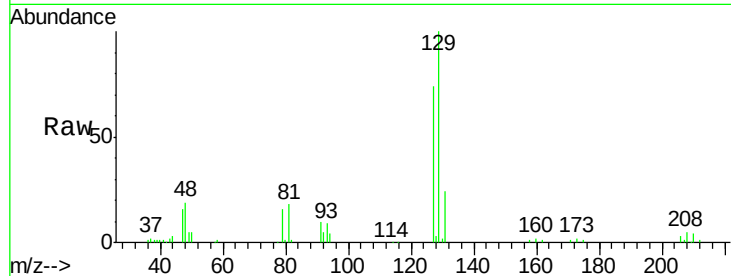
#55
Dibromochloromethane
Concen: 4.979 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:129 Resp: 58242
Ion Ratio Lower Upper
129 100
127 78.8 61.0 91.4

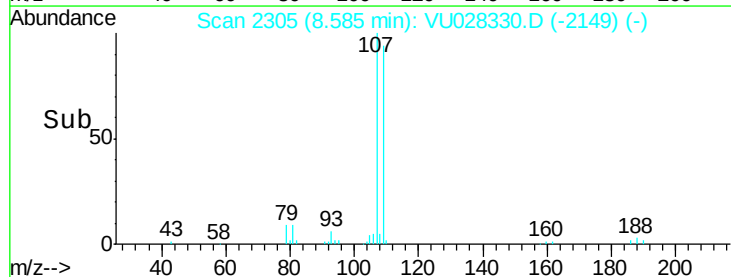
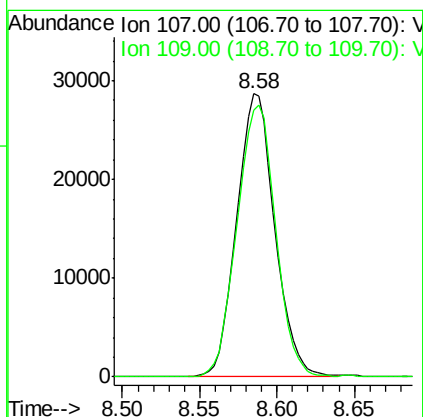
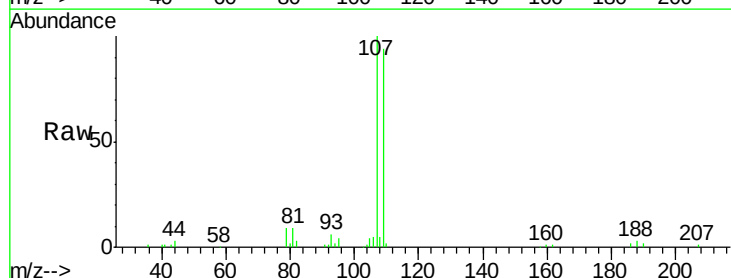
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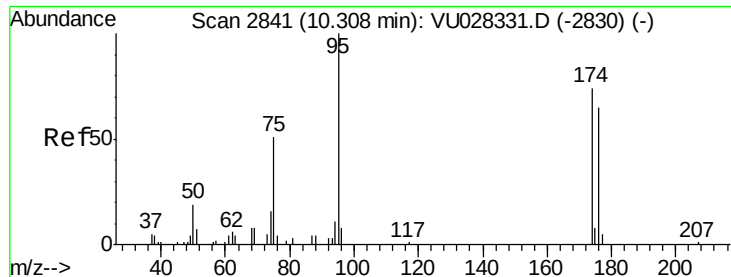
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#56
1,2-Dibromoethane
Concen: 4.902 ug/l
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:107 Resp: 49110
Ion Ratio Lower Upper
107 100
109 97.6 0.0 187.8





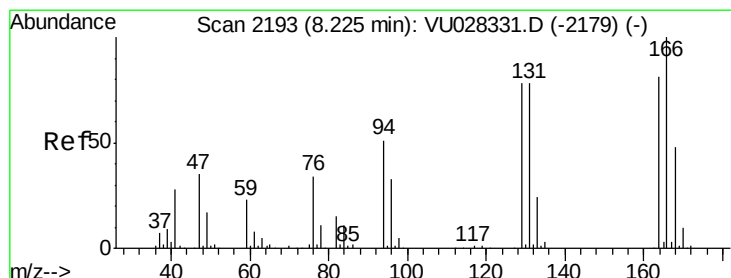
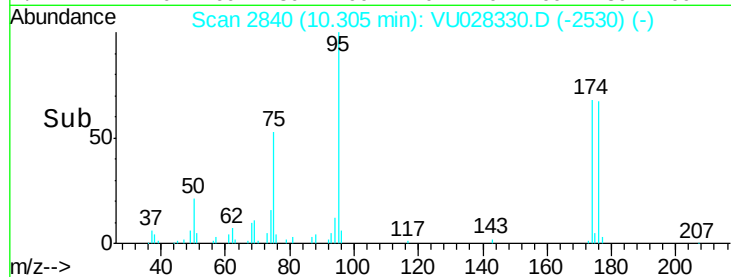
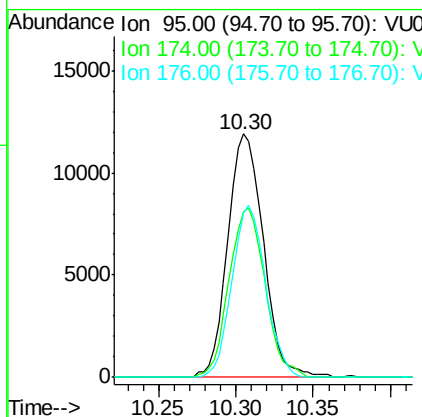
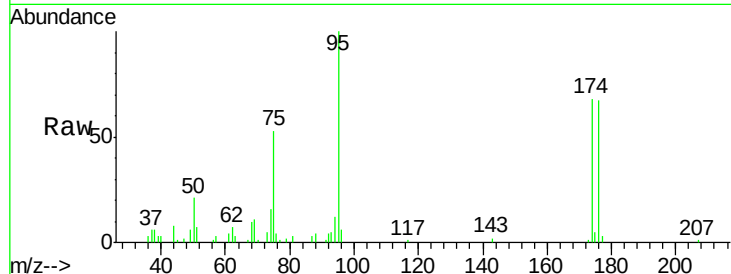
#57
4-Bromofluorobenzene
Concen: 4.902 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	59.3	88.9
176	66.5	54.3	81.5

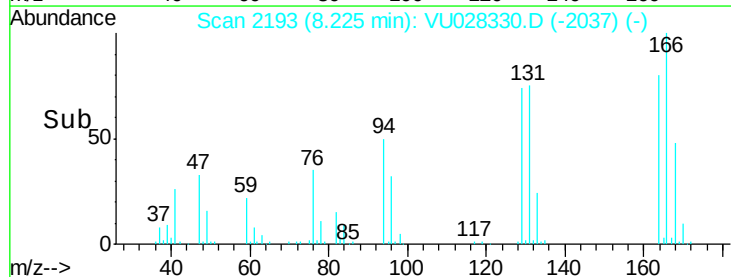
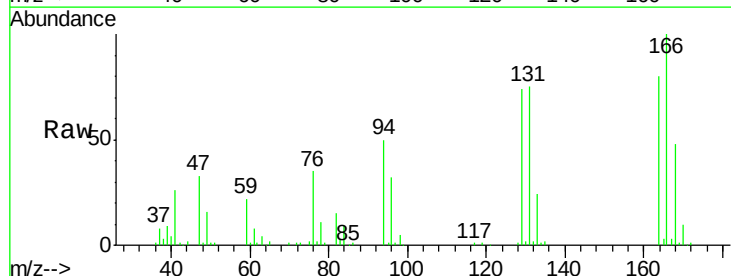
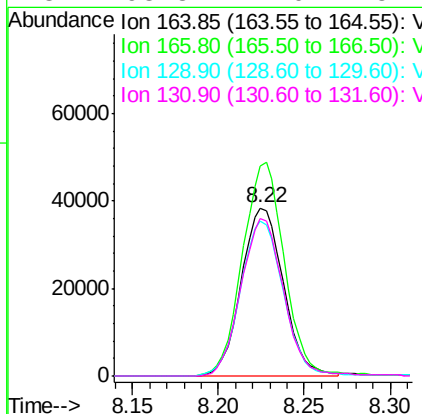
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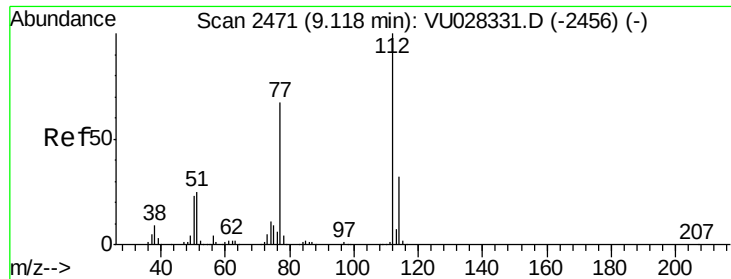
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#58
Tetrachloroethene
Concen: 5.092 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	98.6	148.0
129	92.3	77.0	115.4
131	93.8	77.0	115.4





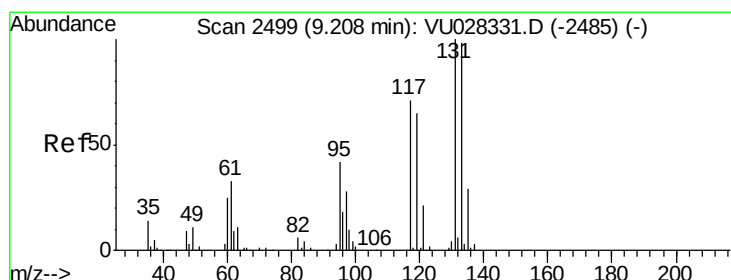
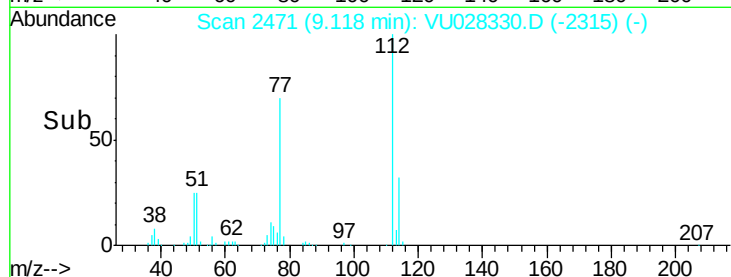
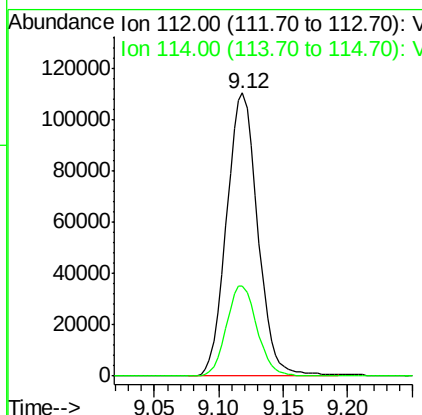
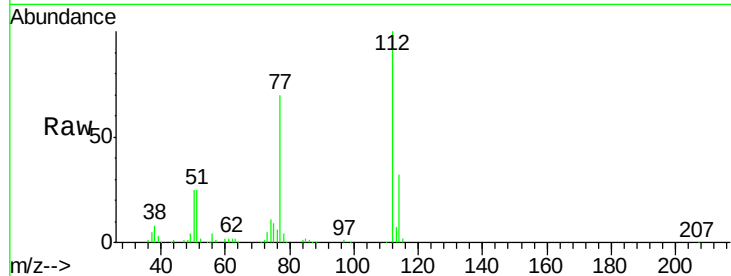
#59
Chlorobenzene
Concen: 4.973 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

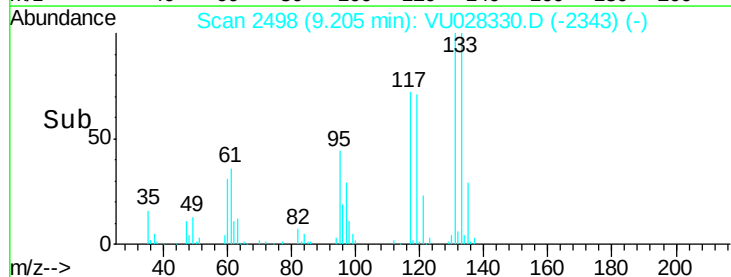
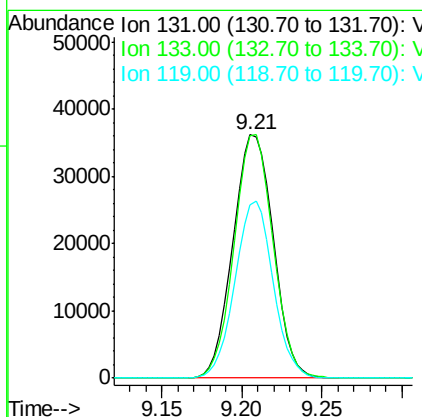
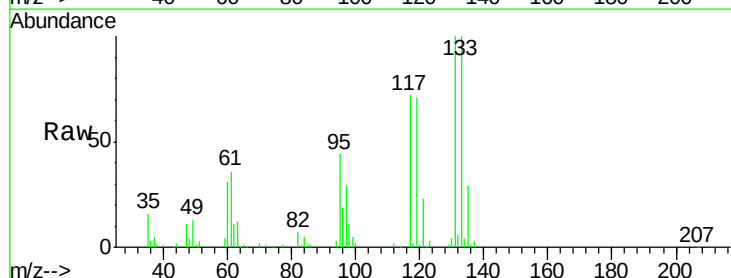
Manual Integrations
APPROVED

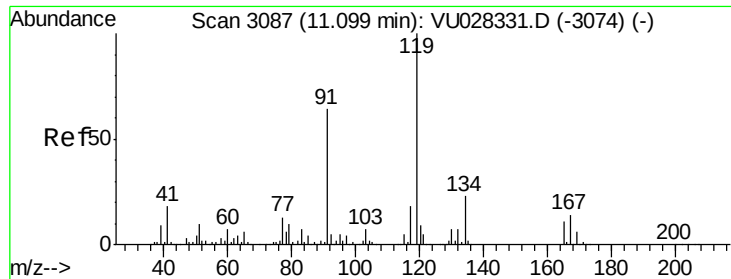
MMDadoda
11/30/2018 2:33:36 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 4.917 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.7	116.5
119	68.6	54.3	81.5





#61

Pentachloroethane

Concen: 5.032 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 49490

Ion Ratio Lower Upper

117 100

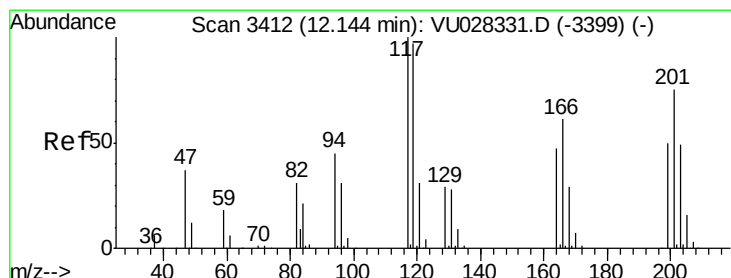
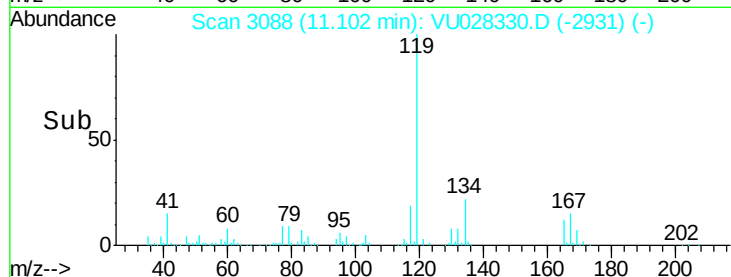
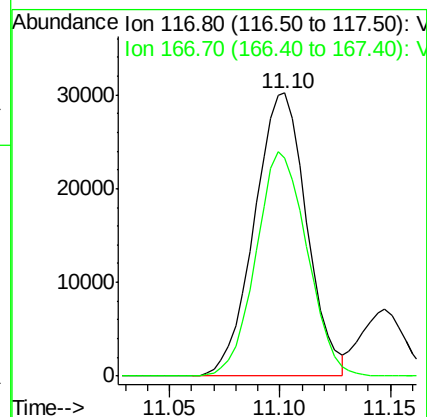
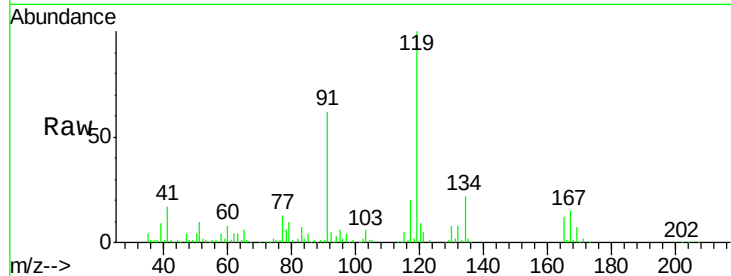
167 77.7 64.2 96.2

Manual Integrations

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#62

Hexachloroethane

Concen: 4.917 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028330.D

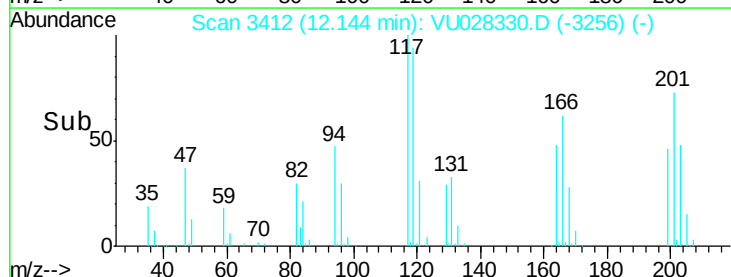
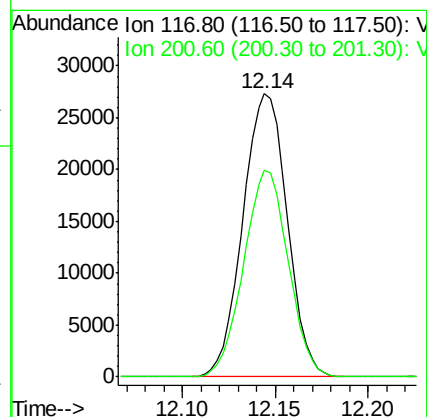
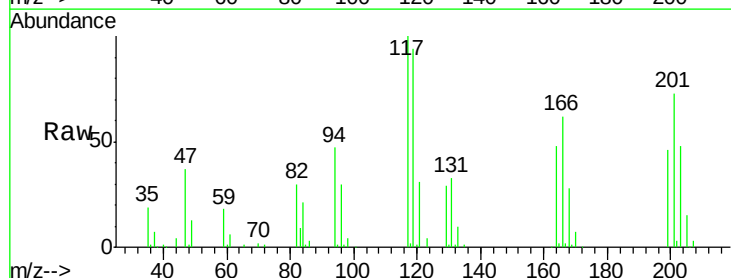
Acq: 26 Nov 2018 11:01

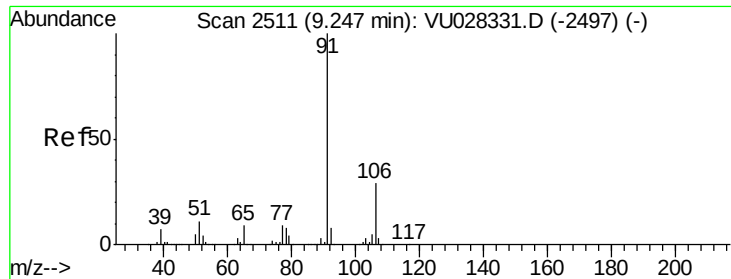
Tgt Ion:117 Resp: 45310

Ion Ratio Lower Upper

117 100

201 73.2 59.4 89.2





#63

Ethyl Benzene

Concen: 5.081 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 349631

Ion Ratio Lower Upper

91 100

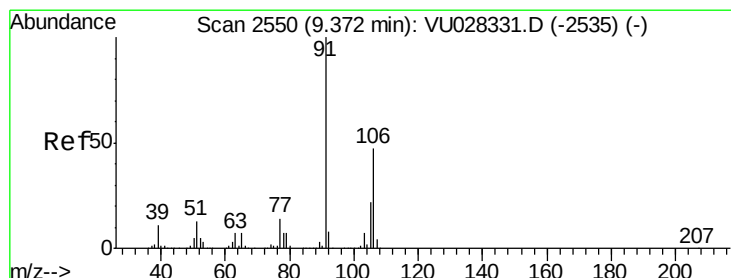
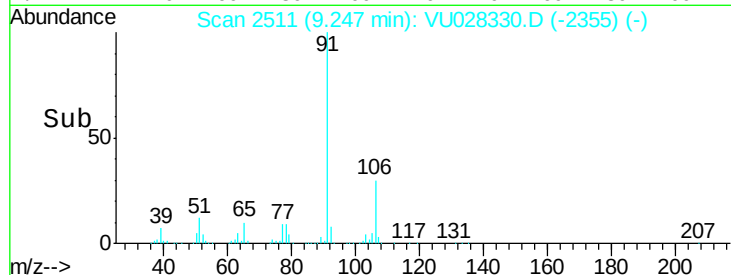
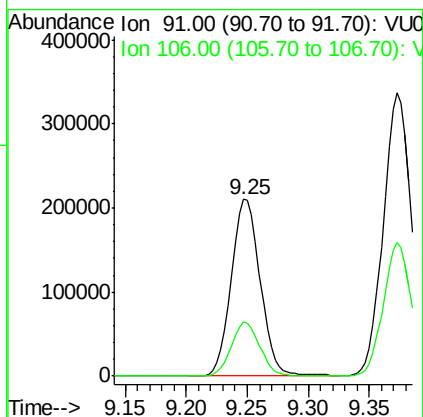
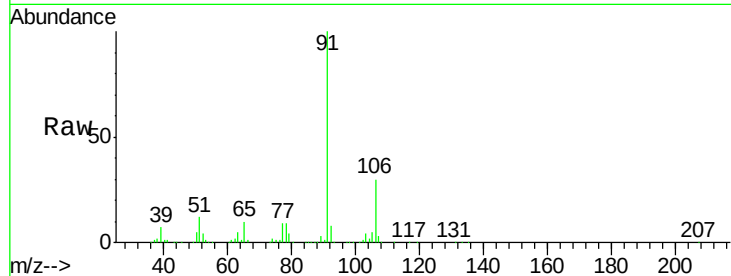
106 30.5 23.4 35.2

Manual Integrations

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#64

m/p-Xylenes

Concen: 10.351 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028330.D

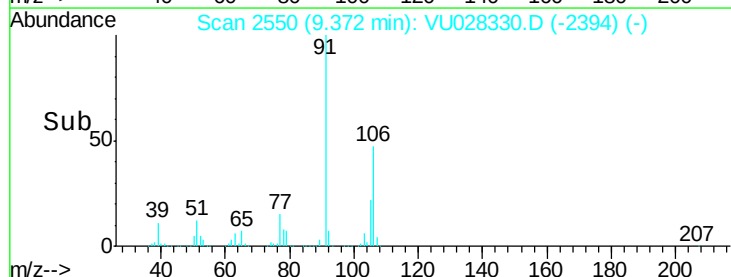
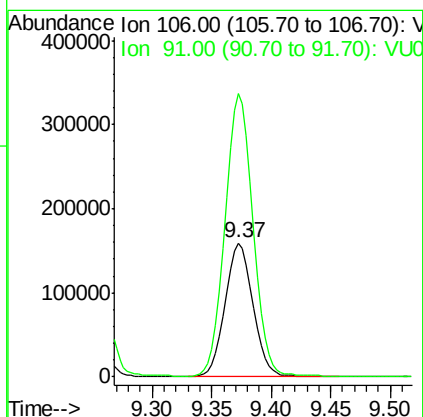
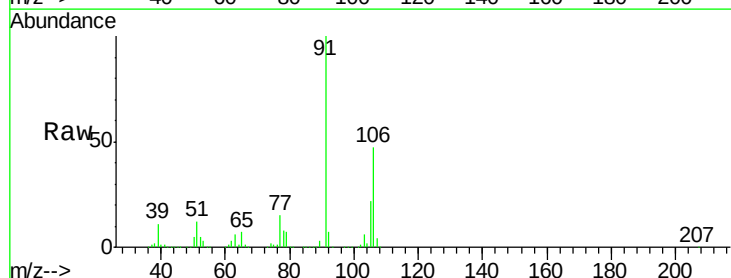
Acq: 26 Nov 2018 11:01

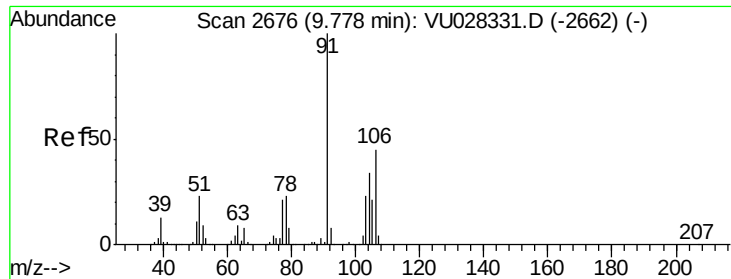
Tgt Ion: 106 Resp: 257741

Ion Ratio Lower Upper

106 100

91 212.1 170.6 256.0





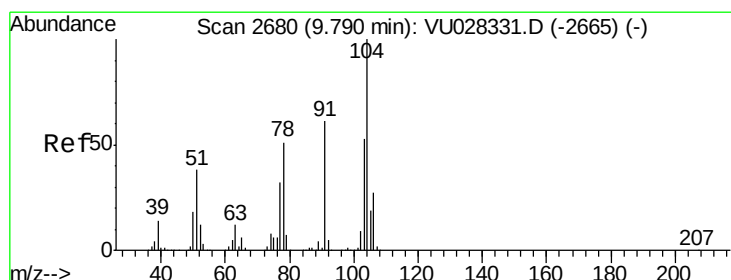
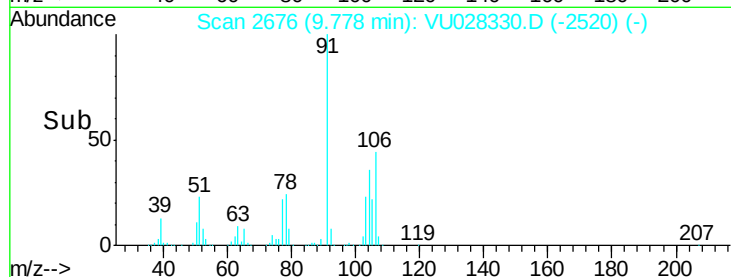
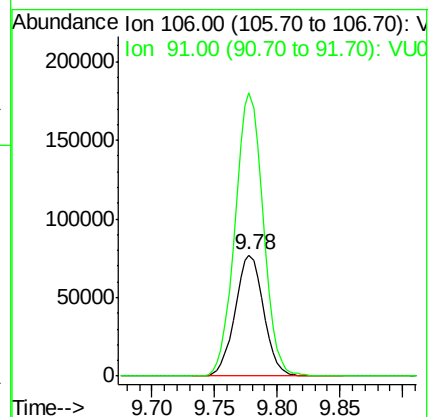
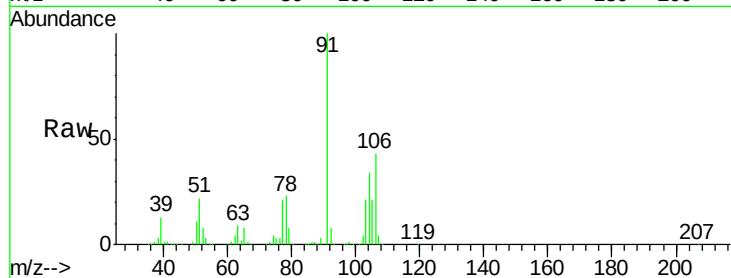
#65
o-Xylene
Concen: 5.083 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
106	100		
91	229.8	112.3	337.0

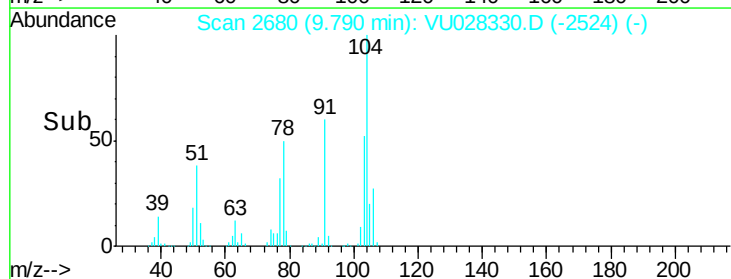
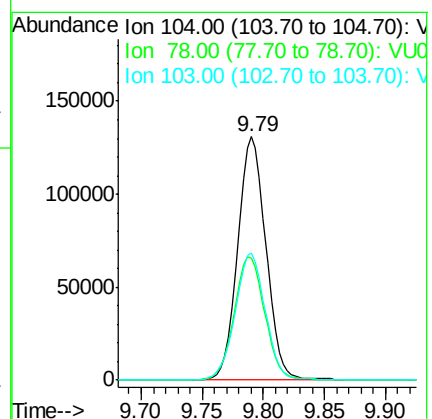
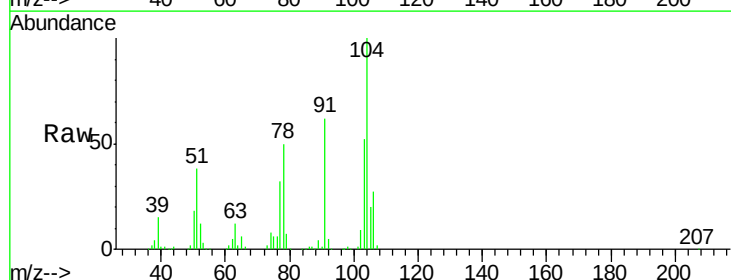
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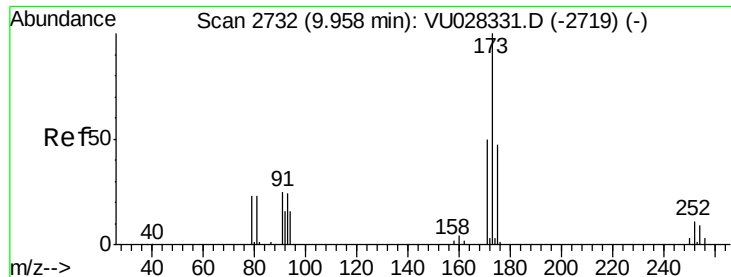
MMDadoda
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#66
Styrene
Concen: 5.120 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.4	44.0	66.0
103	55.7	45.2	67.8





#67

Bromoform

Concen: 4.818 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

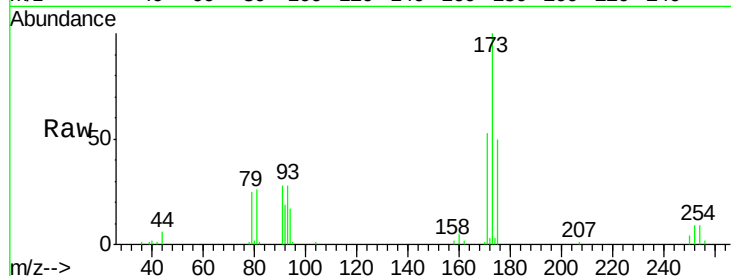
ClientSampleId :

VSTDIC005

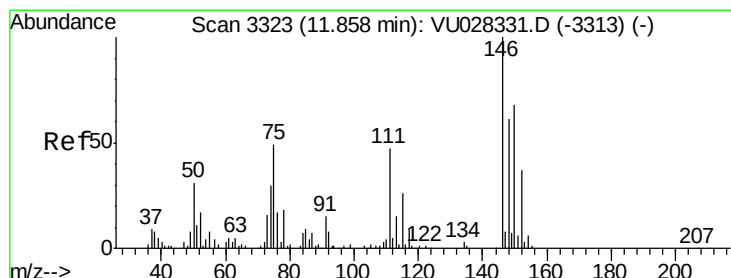
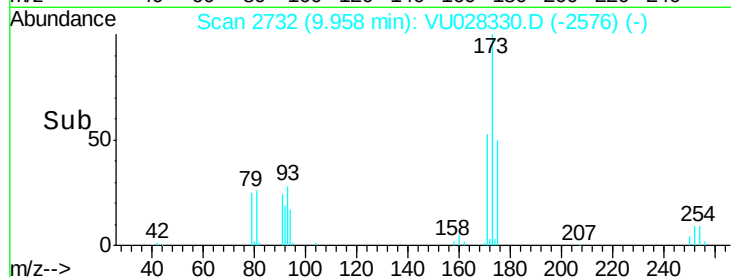
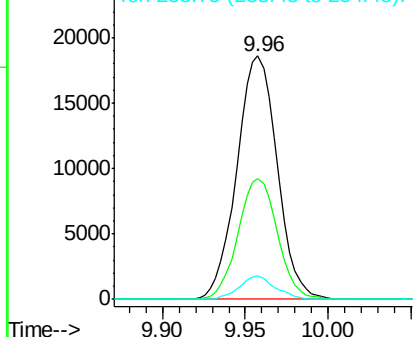
Tgt Ion:	173	Resp:	31591
Ion Ratio	Lower	Upper	
173	100		
175	48.3	39.0	58.6
254	8.5	6.8	10.2

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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: 4.818 ug/l

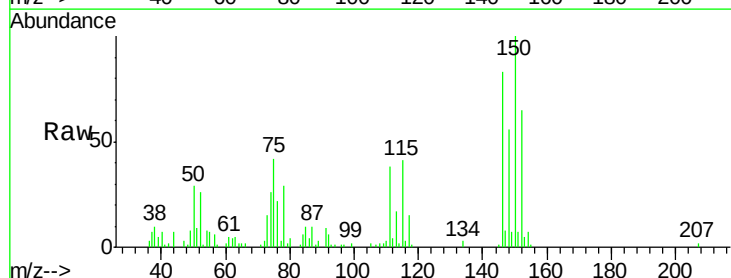
RT: 11.86 min Scan# 3323

Delta R.T. 0.00 min

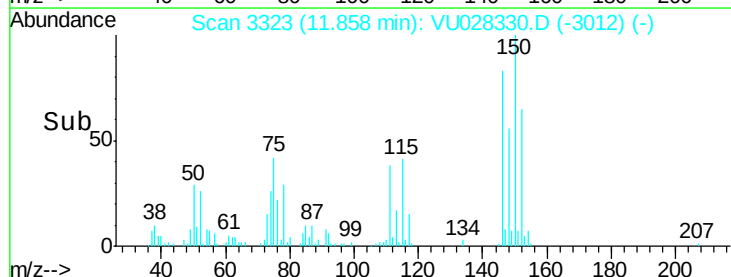
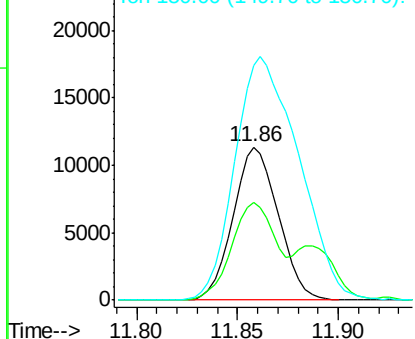
Lab File: VU028330.D

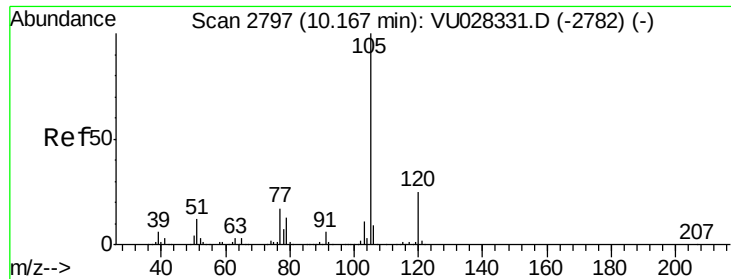
Acq: 26 Nov 2018 11:01

Tgt Ion:	152	Resp:	17750
Ion Ratio	Lower	Upper	
152	100		
115	62.1	0.0	146.8
150	225.2	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: 5.098 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 328043

Ion Ratio Lower Upper

105 100

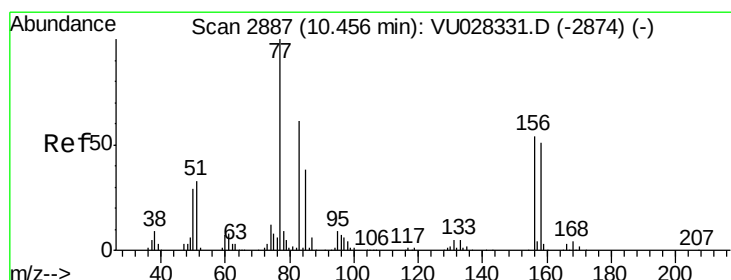
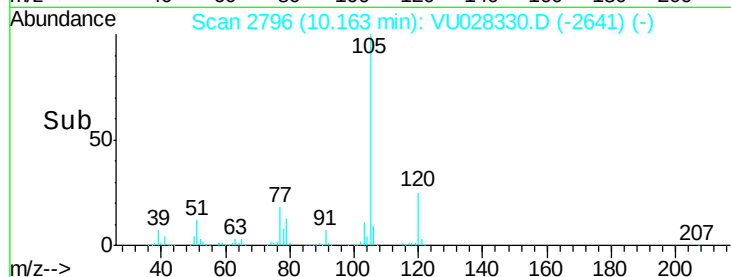
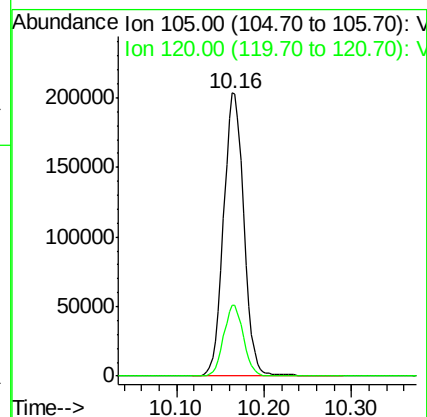
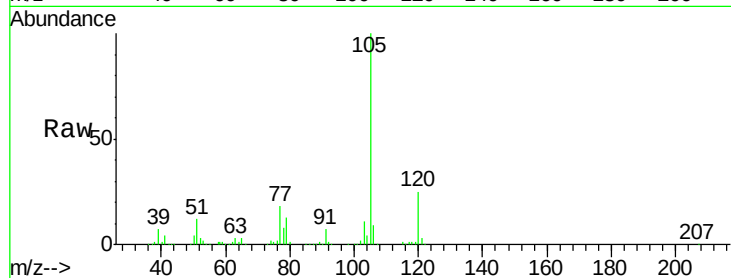
120 24.5 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 4.952 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

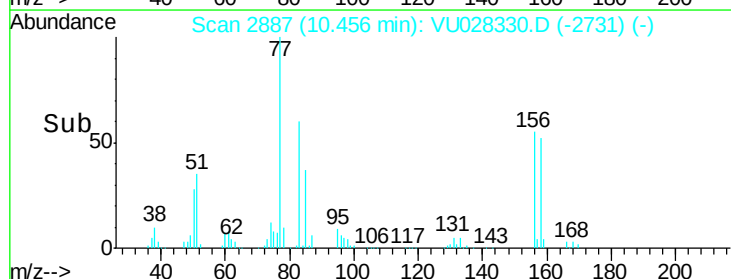
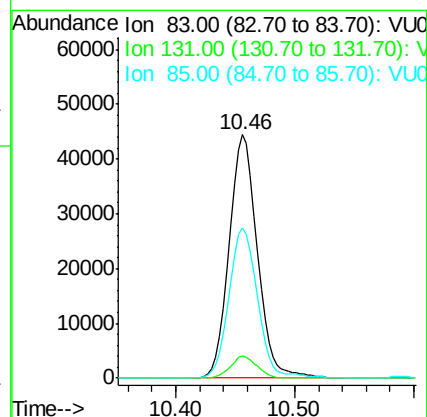
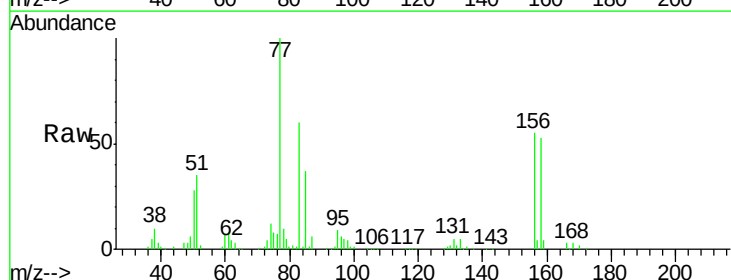
Tgt Ion: 83 Resp: 73049

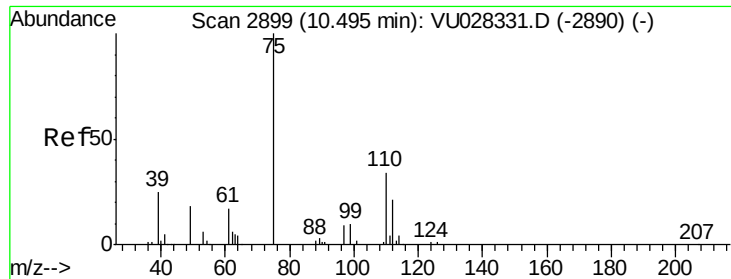
Ion Ratio Lower Upper

83 100

131 8.4 6.6 9.8

85 62.6 50.5 75.7





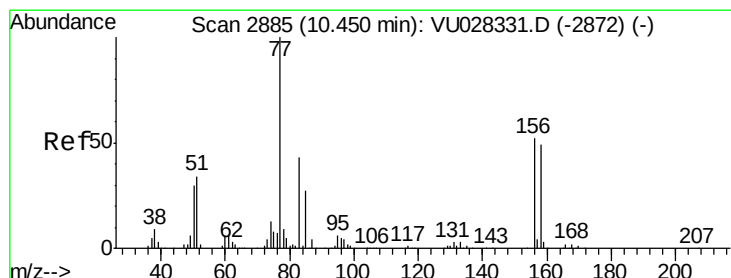
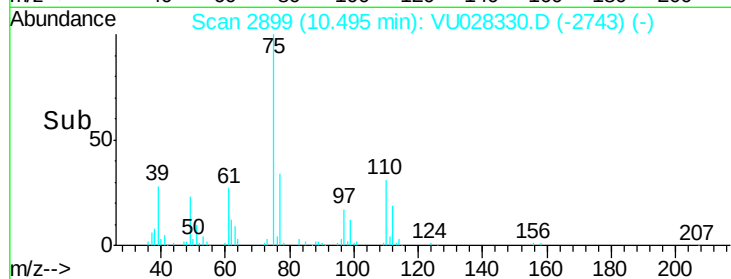
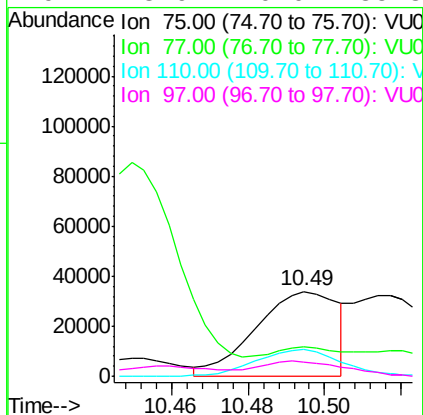
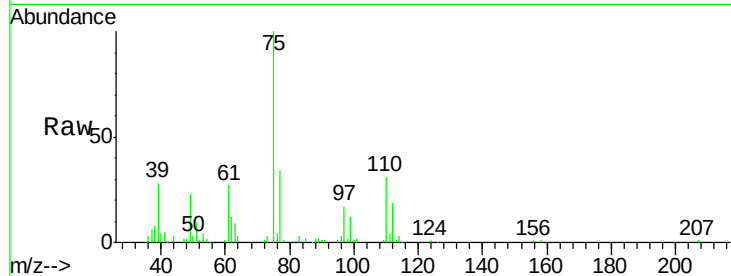
#71
1,2,3-Trichloropropane
Concen: 4.984 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	8.2	0.0	0.0#
110	33.1	0.0	67.6
97	18.9	0.0	35.8

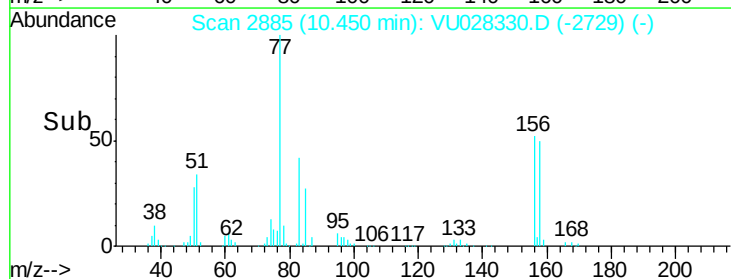
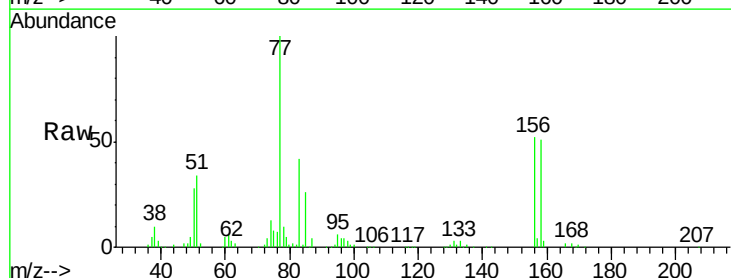
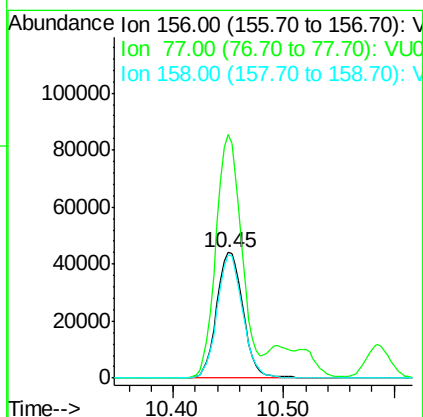
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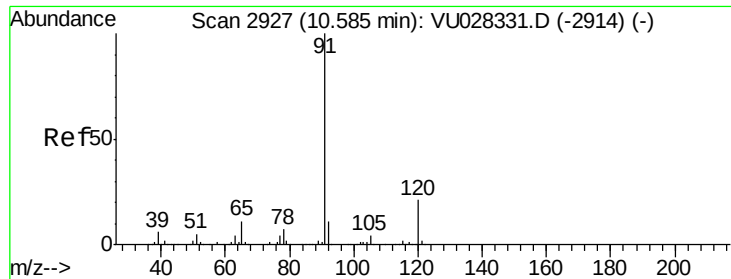
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#72
Bromobenzene
Concen: 5.130 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.0	0.0	380.4
158	95.1	0.0	191.2





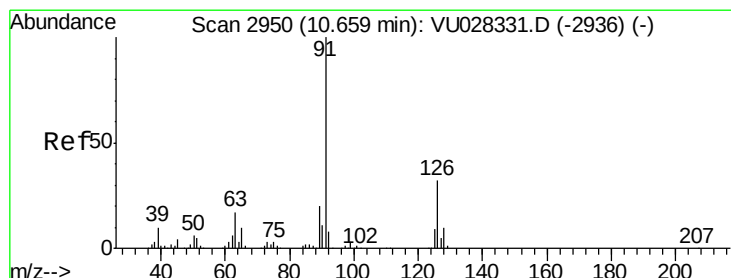
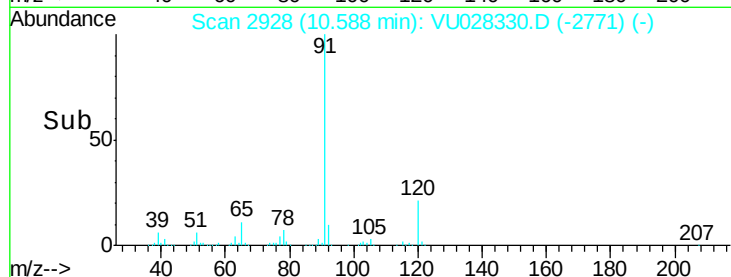
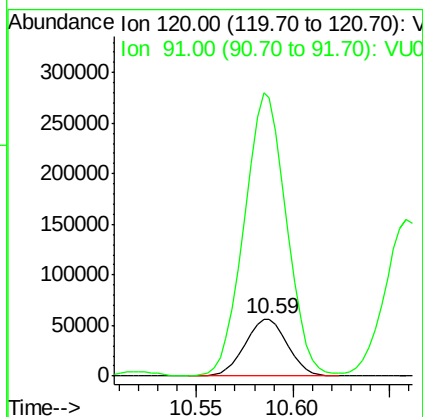
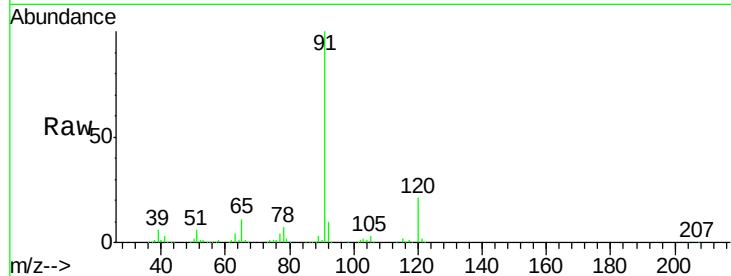
#73
n-propylbenzene
Concen: 5.163 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:120 Resp: 86164
Ion Ratio Lower Upper
120 100
91 492.0 388.1 582.1

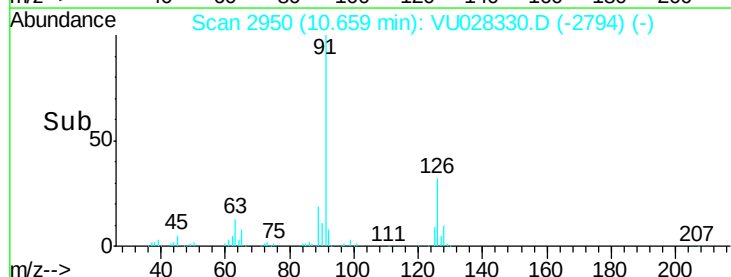
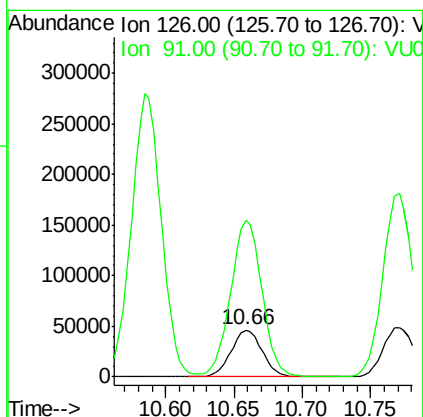
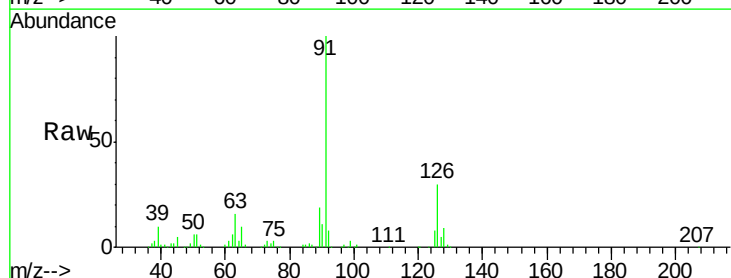
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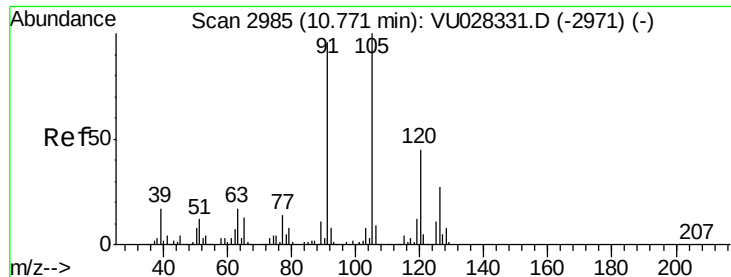
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#74
2-Chlorotoluene
Concen: 5.025 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion:126 Resp: 73477
Ion Ratio Lower Upper
126 100
91 332.5 0.0 661.0





#75

1,3,5-Trimethylbenzene

Concen: 5.077 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 274947

Ion Ratio Lower Upper

105 100

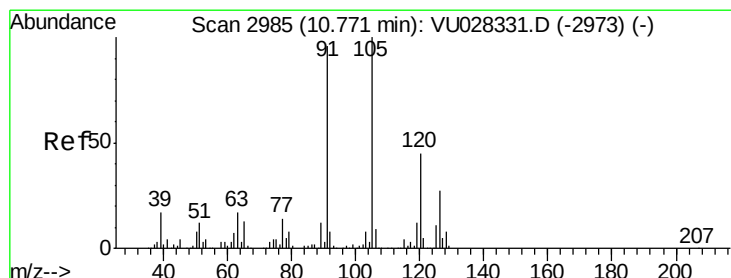
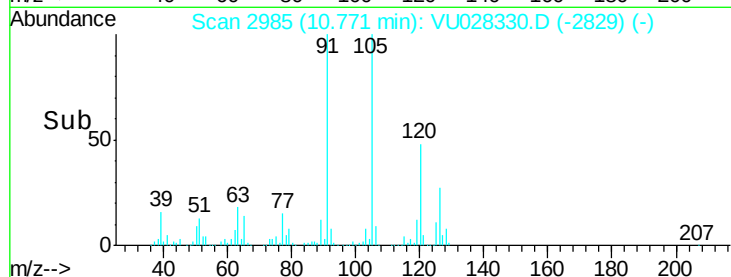
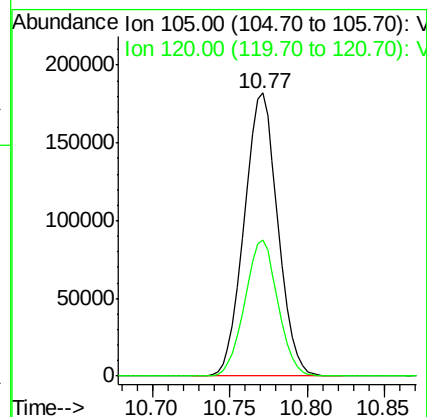
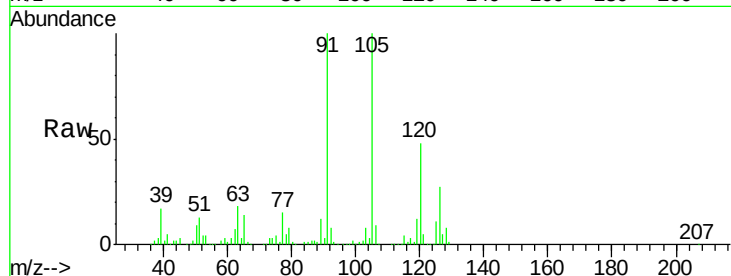
120 47.6 36.3 54.5

Manual Integrations

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#76

4-Chlorotoluene

Concen: 5.195 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028330.D

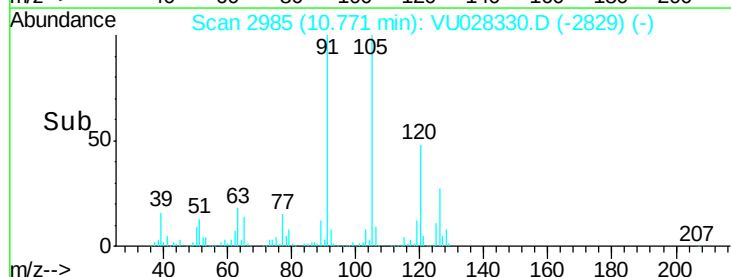
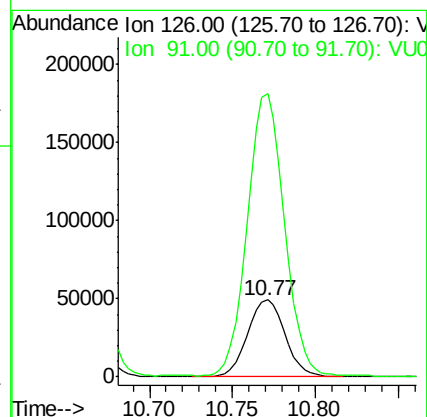
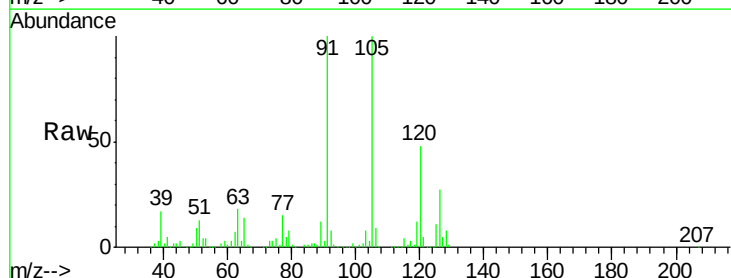
Acq: 26 Nov 2018 11:01

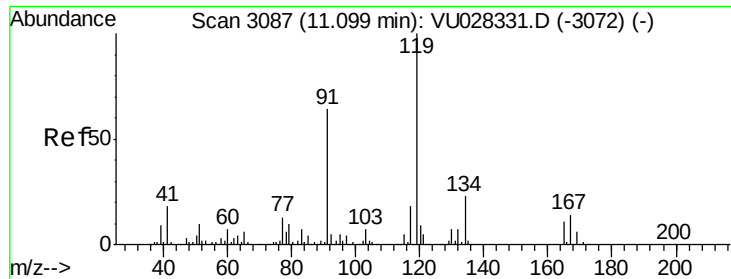
Tgt Ion:126 Resp: 77010

Ion Ratio Lower Upper

126 100

91 366.4 0.0 731.2





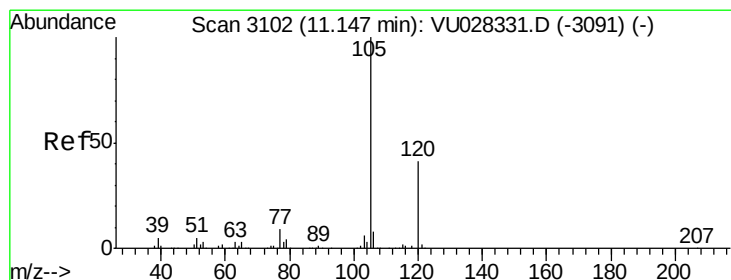
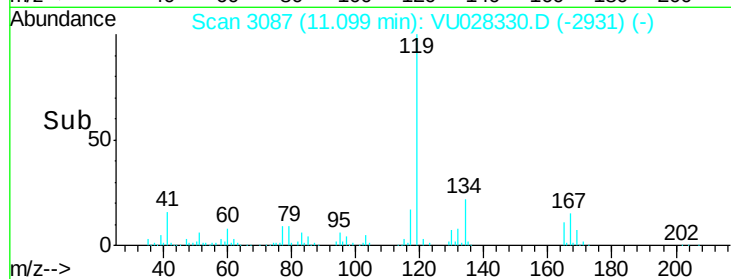
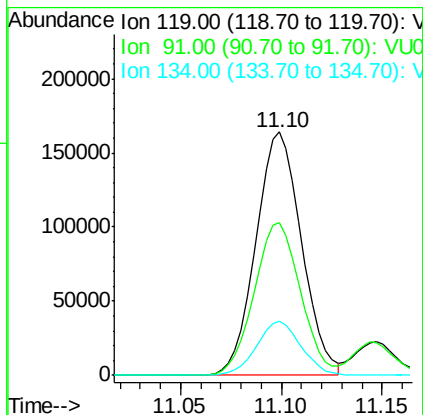
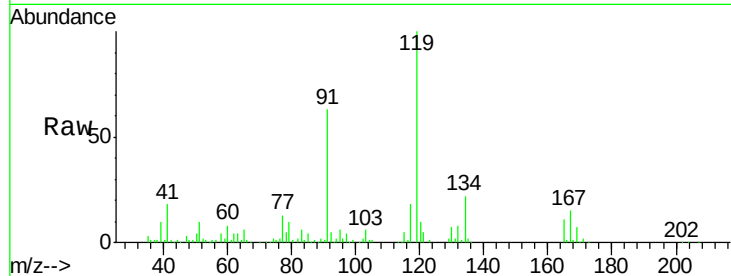
#77
 tert-Butylbenzene
 Concen: 5.085 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	259246		
91	63.7	32.0	96.0	
134	21.6	17.9	26.9	

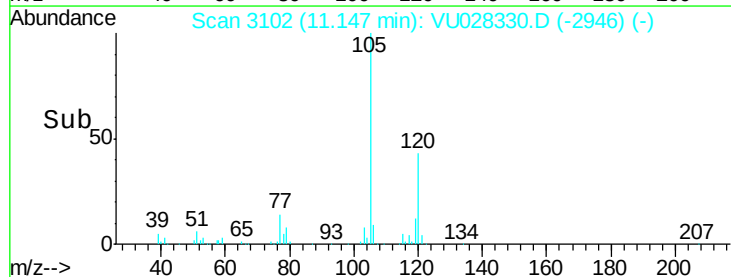
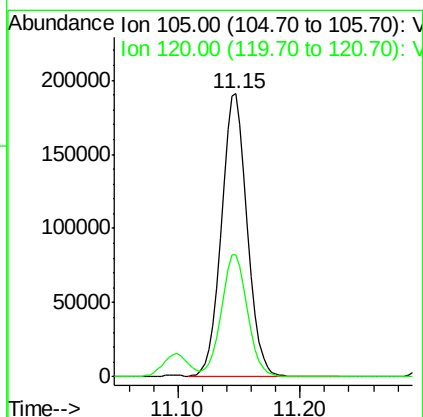
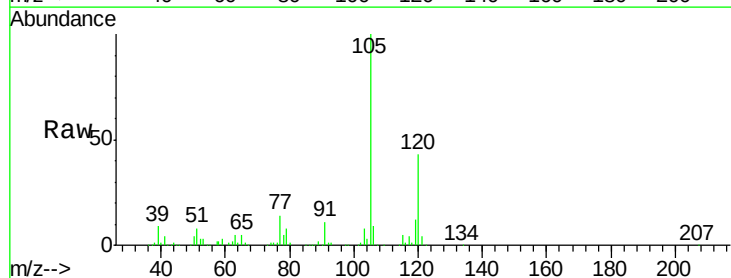
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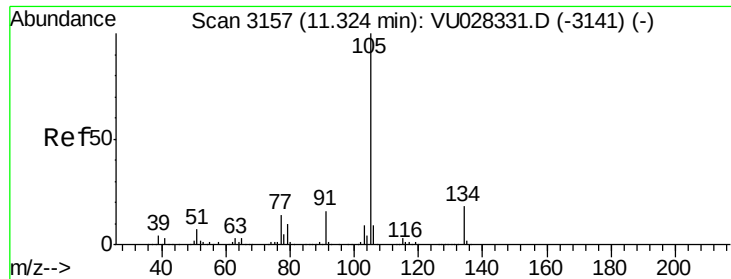
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 5.121 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284176		
120	44.0	21.9	65.8	





#79

sec-Butylbenzene

Concen: 5.155 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 366421

Ion Ratio Lower Upper

105 100

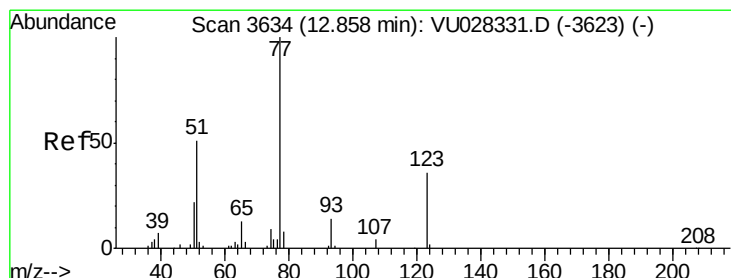
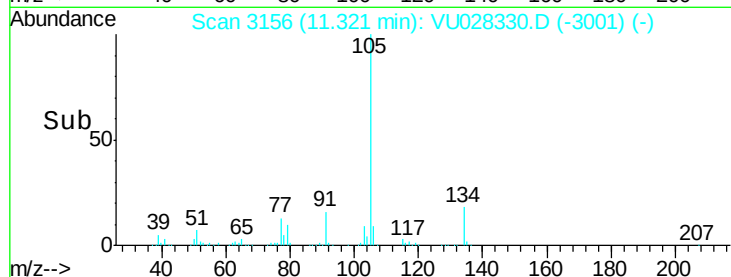
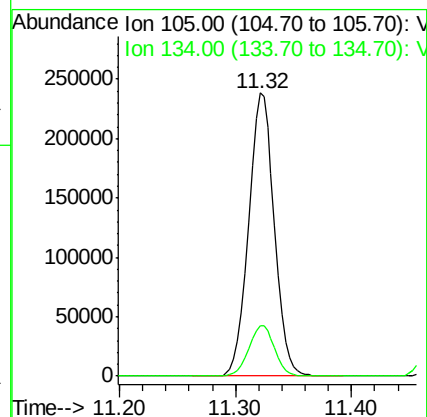
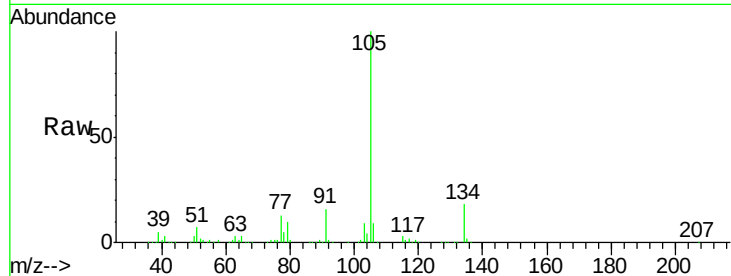
134 18.1 14.6 22.0

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#80

Nitrobenzene

Concen: 23.976 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU028330.D

Acq: 26 Nov 2018 11:01

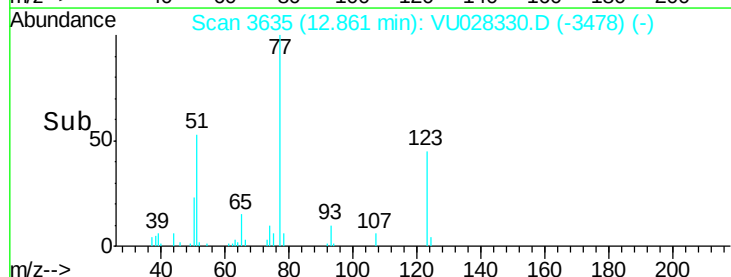
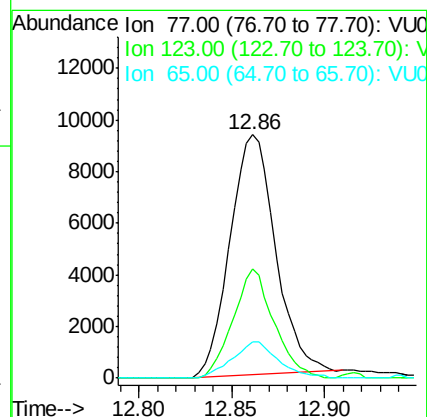
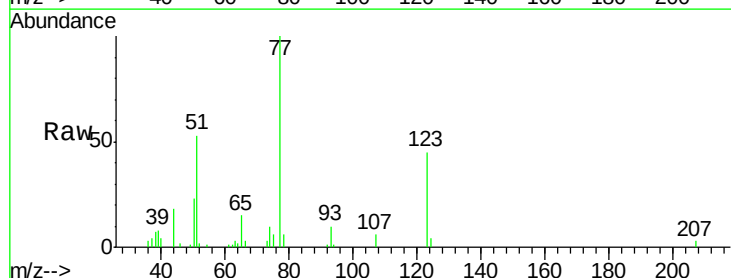
Tgt Ion: 77 Resp: 15935

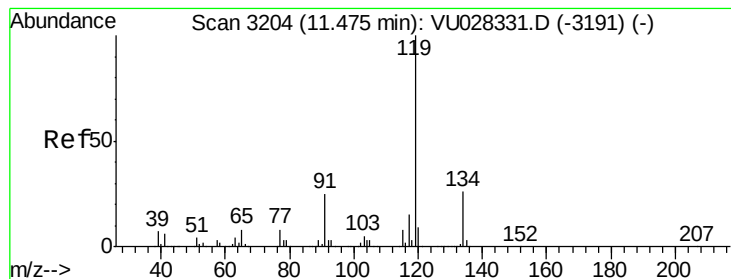
Ion Ratio Lower Upper

77 100

123 40.5 16.5 58.3

65 15.3 12.1 15.3





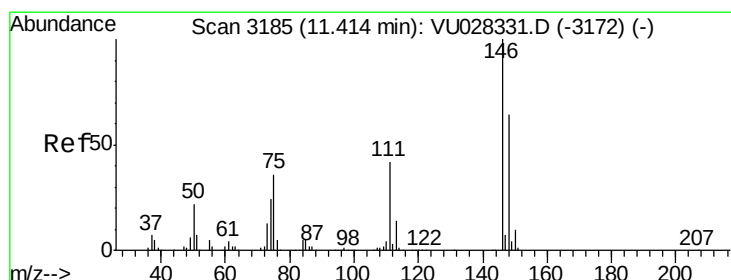
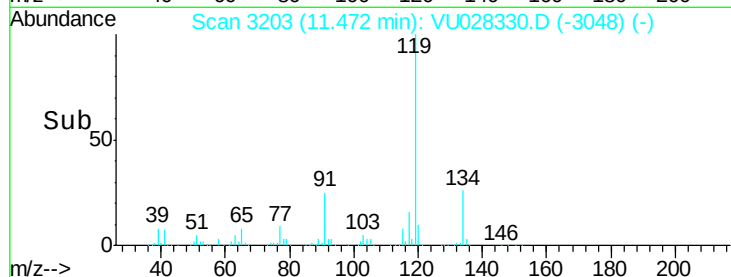
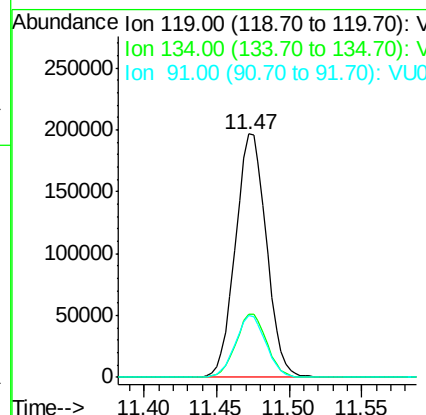
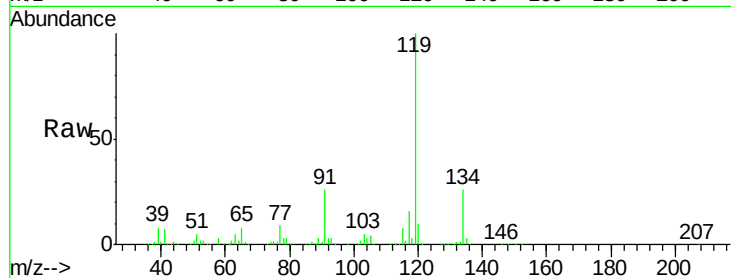
#81
p-Isopropyltoluene
Concen: 5.153 ug/l
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	291066		
134	25.9	20.3	30.5	
91	25.1	20.0	30.0	

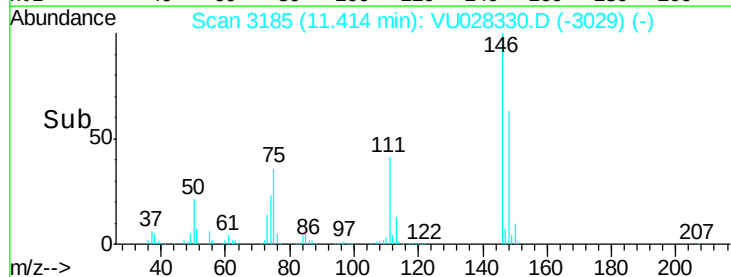
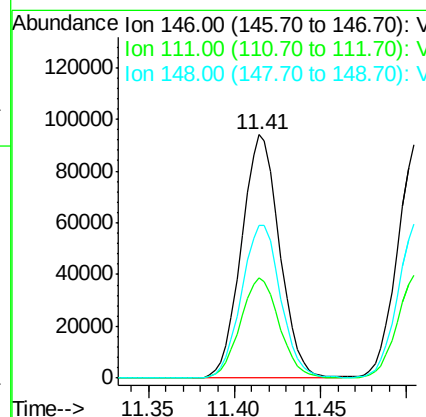
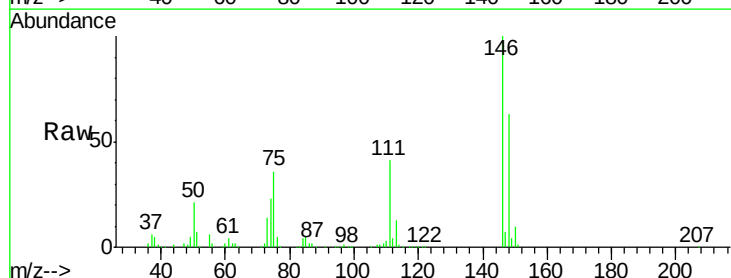
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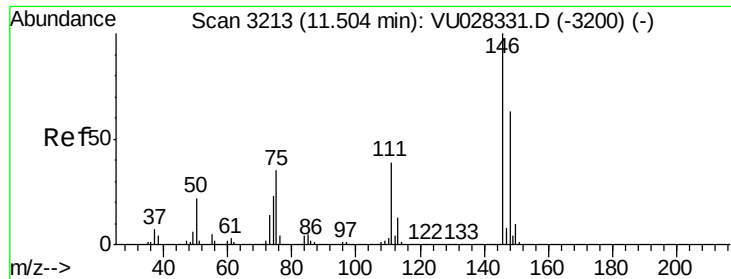
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#82
1,3-Dichlorobenzene
Concen: 5.052 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144519		
111	42.1	33.4	50.2	
148	64.6	51.2	76.8	





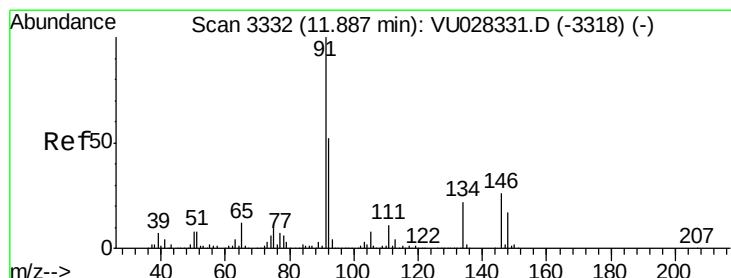
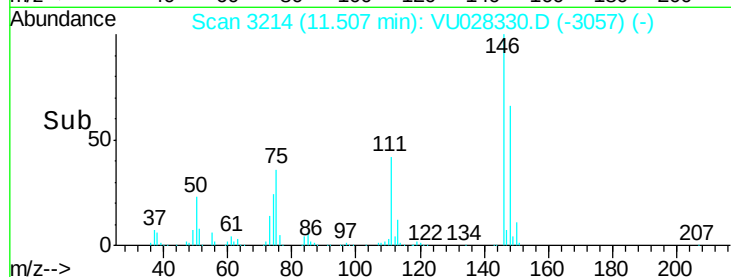
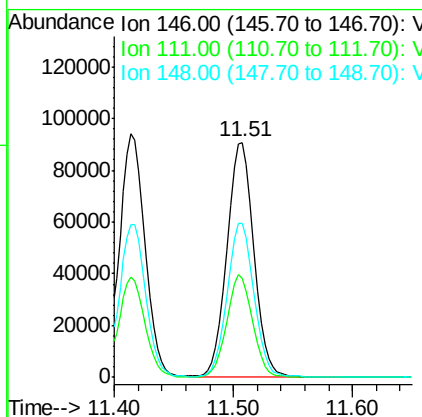
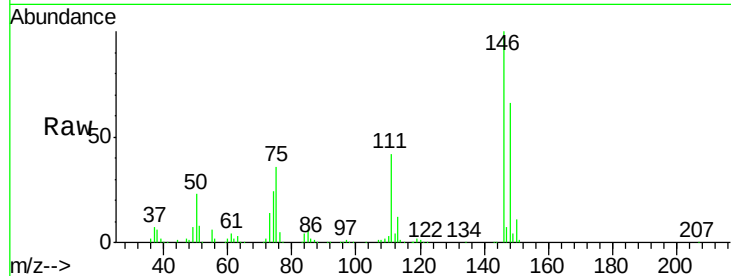
#83
 1,4-Dichlorobenzene
 Concen: 4.990 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	31.4	47.2
148	65.8	50.7	76.1

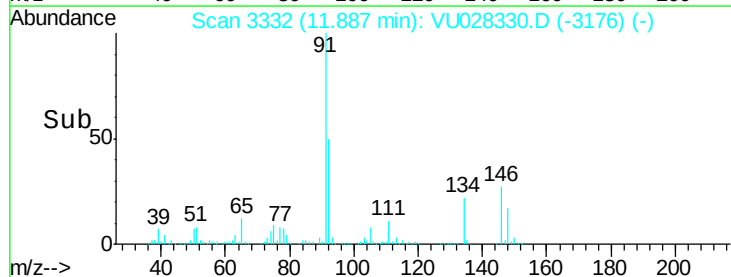
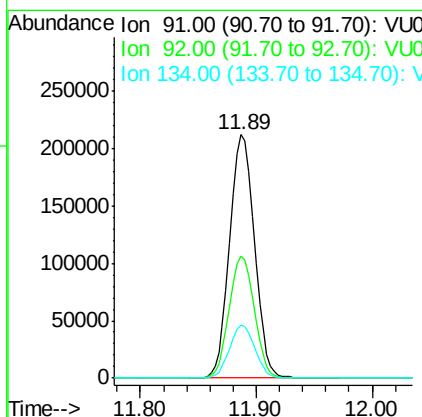
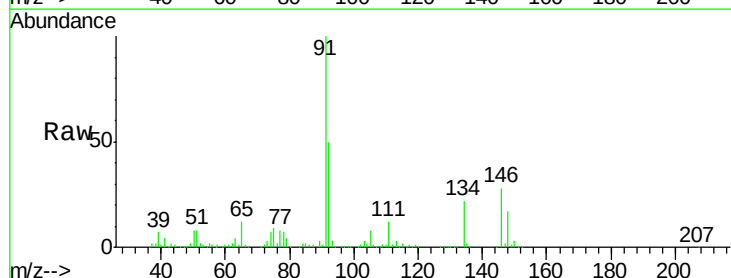
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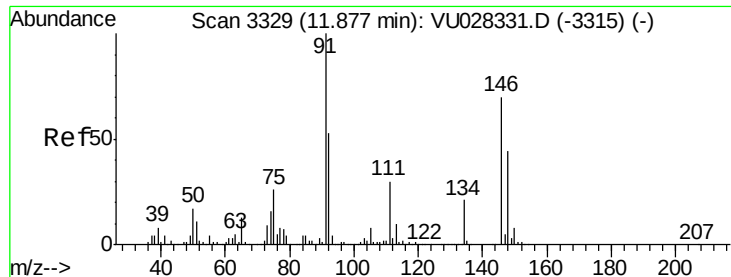
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#84
 n-Butylbenzene
 Concen: 5.289 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.8	41.6	62.4
134	21.9	17.8	26.6





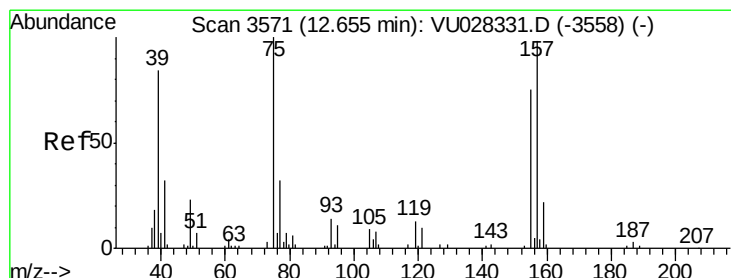
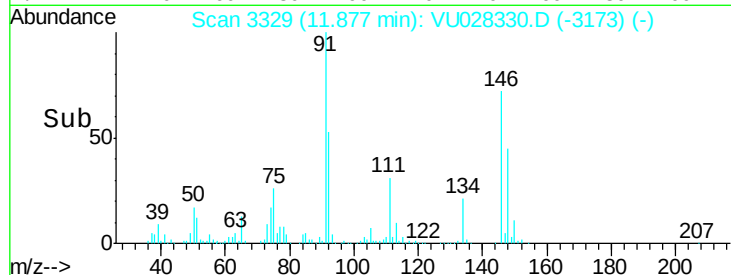
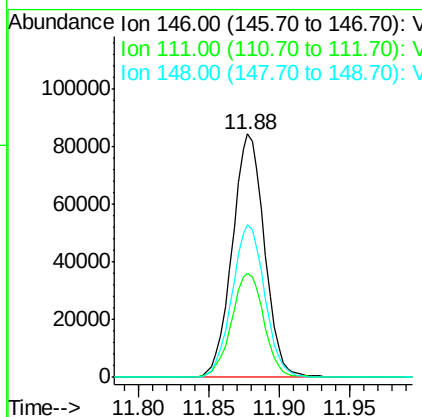
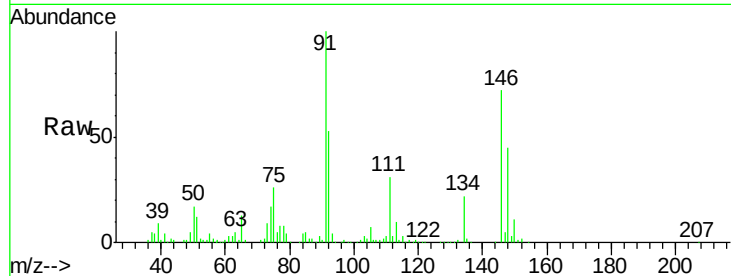
#85
 1,2-Dichlorobenzene
 Concen: 4.965 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	135190		
111	42.9	21.4	64.3	
148	63.6	31.4	94.2	

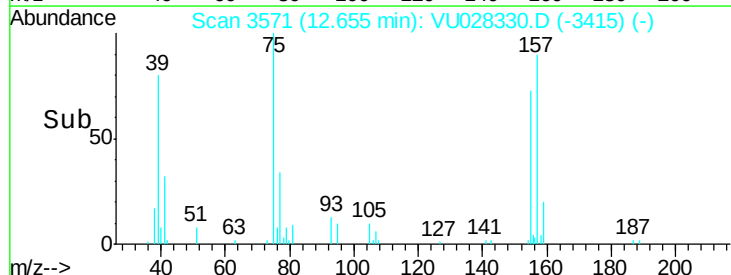
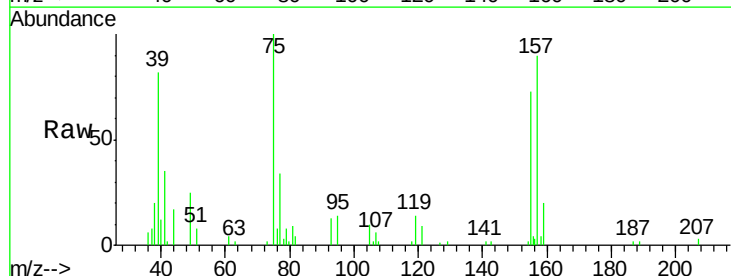
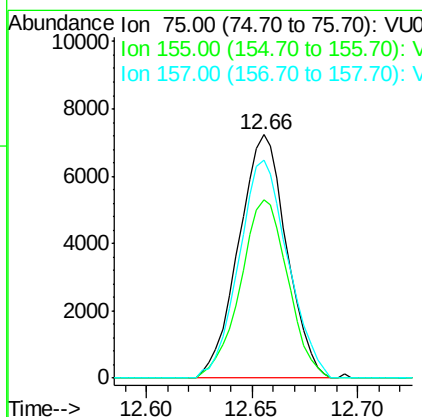
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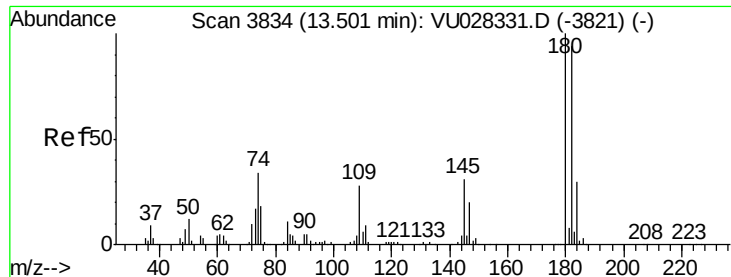
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.811 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11418		
155	72.3	57.0	85.4	
157	91.7	75.4	113.2	





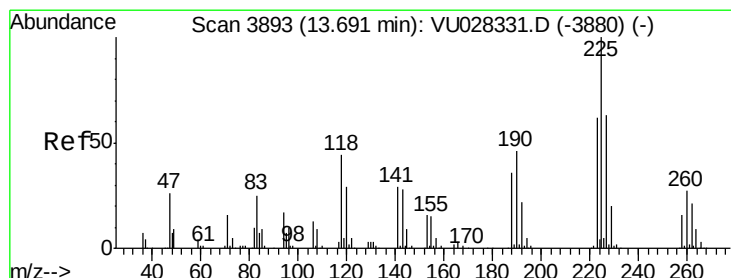
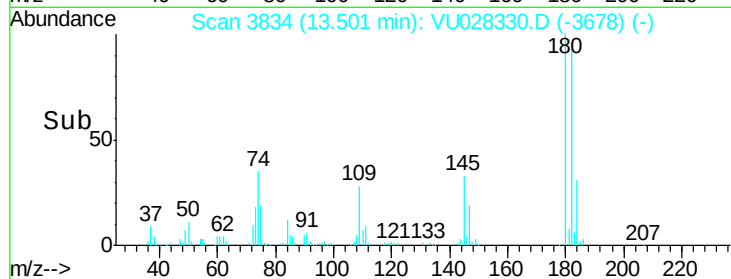
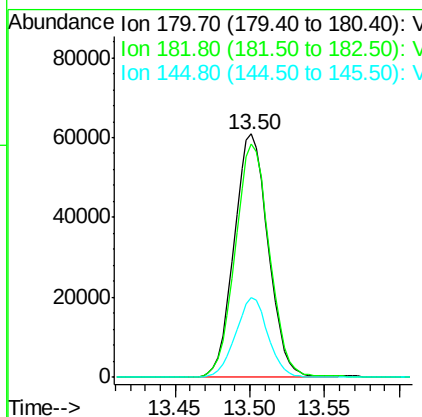
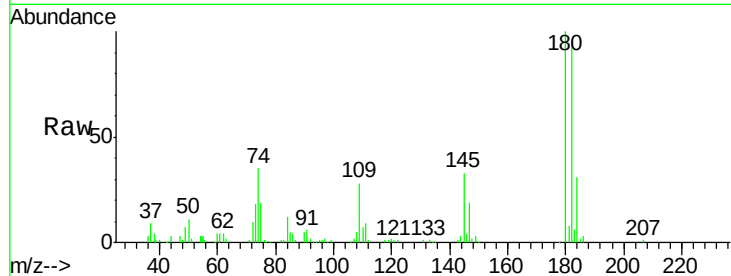
#87
 1,2,4-Trichlorobenzene
 Concen: 5.054 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 96740
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.6 113.4
 145 31.3 24.4 36.6

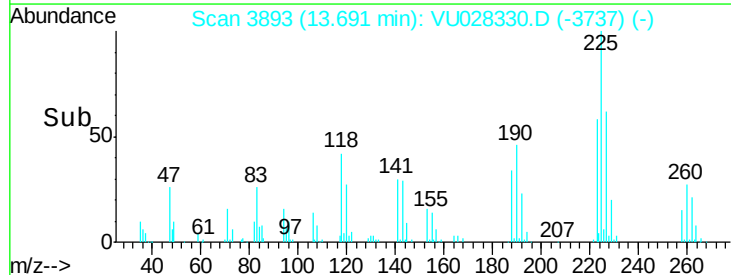
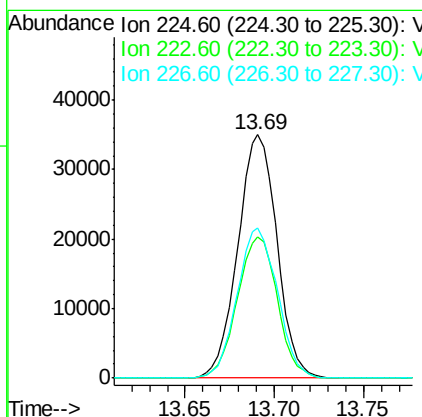
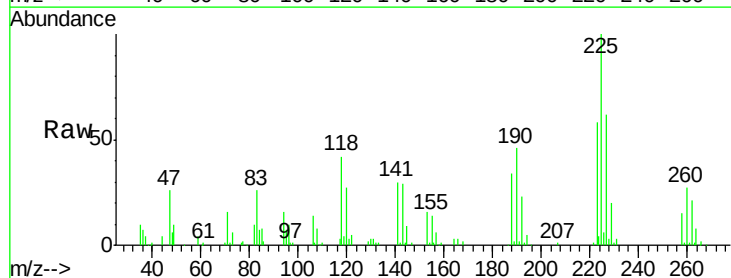
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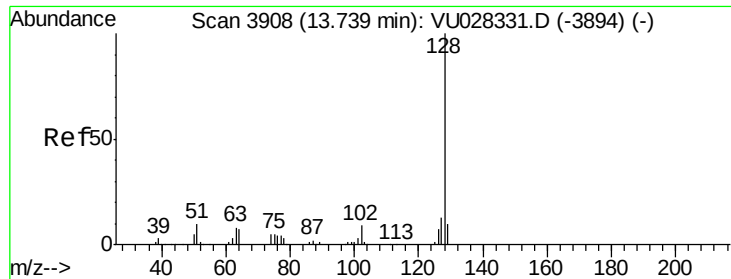
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#88
 Hexachlorobutadiene
 Concen: 5.162 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028330.D
 Acq: 26 Nov 2018 11:01

Tgt Ion:225 Resp: 53465
 Ion Ratio Lower Upper
 225 100
 223 59.5 50.6 76.0
 227 63.4 50.8 76.2





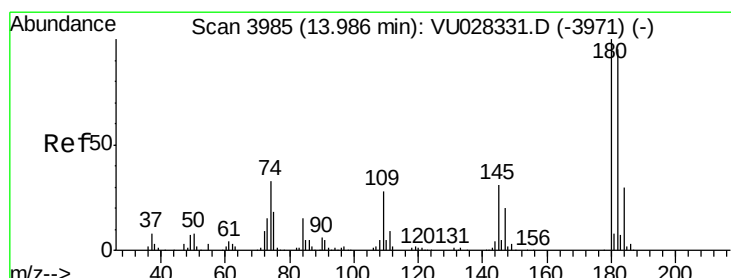
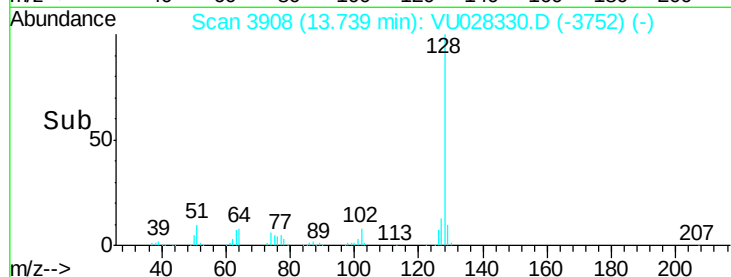
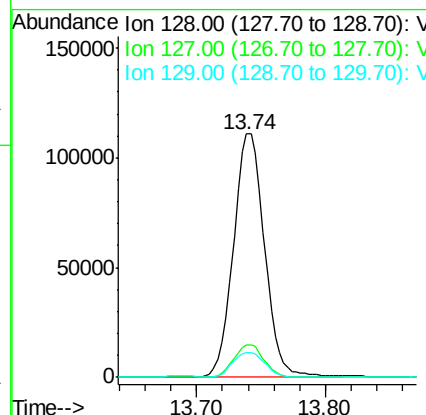
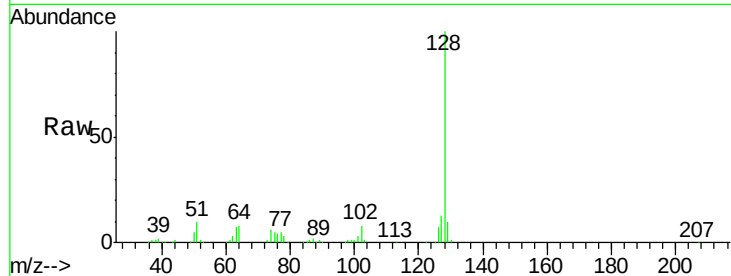
#89
Naphthalene
Concen: 4.914 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	185886		
127	13.1	10.3	15.5	
129	10.4	8.2	12.4	

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 5.023 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU028330.D
Acq: 26 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90661		
182	94.0	76.1	114.1	
145	31.2	26.0	39.0	

