

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112618\
 Data File : VU028327.D
 Acq On : 26 Nov 2018 09:50
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 1:29:12 PM

Quant Time: Nov 27 00:56:16 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	53117	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	16915	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16502	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	10154	0.531	ug/l	93
3) Chloromethane	1.32	50	21349	0.656	ug/l	99
4) Vinyl Chloride	1.40	62	11872	0.533	ug/l	93
5) Bromomethane	1.63	94	5137	0.586	ug/l	92
6) Chloroethane	1.70	64	7211	0.555	ug/l	97
7) Trichlorofluoromethane	1.89	101	12732	0.524	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7094	0.507	ug/l	95
9) 1,1-Dichloroethene	2.28	96	6779	0.524	ug/l	87
10) Iodomethane	2.41	142	3984	0.456	ug/l	94
11) Allyl Chloride	2.59	41	16739	0.513	ug/l	94
12) Acrylonitrile	2.96	53	4379	1.063	ug/l	94
13) Acetone	2.35	43	12128	3.177	ug/l	97
14) Carbon Disulfide	2.48	76	26463	0.539	ug/l #	93
15) Methylene Chloride	2.70	84	9392	0.596	ug/l	93
16) trans-1,2-Dichloroethene	2.98	96	7717	0.533	ug/l	98
17) 1,1-Dichloroethane	3.44	63	17068	0.529	ug/l	99
18) 2-Butanone	4.30	43	14830	2.600	ug/l	97
19) Cyclohexane	4.99	56	14437	0.515	ug/l	99
20) Methylcyclohexane	6.41	83	13658	0.498	ug/l	97
21) 2,2-Dichloropropane	4.22	77	14016	0.541	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	8470	0.500	ug/l	95
23) Diethyl Ether	2.11	59	6614	0.510	ug/l	96
24) tert-Butyl Alcohol	2.87	59	5963m	4.755	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	19527	0.508	ug/l	99
26) Bromochloromethane	4.55	128	3490	0.541	ug/l	93
27) Chloroform	4.67	83	17618	0.566	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	12490	0.514	ug/l	98
29) 1,1-Dichloropropene	5.13	75	11743	0.504	ug/l	96
30) Carbon Tetrachloride	5.13	117	10505	0.535	ug/l	95
31) Isopropyl Ether	3.57	45	29007	0.502	ug/l	88
32) Ethyl-t-butyl ether	4.08	59	24486	0.515	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	20188	0.511	ug/l	99
34) Propionitrile	4.37	54	2859	1.995	ug/l #	86
35) Benzene	5.39	78	35102	0.512	ug/l	99
36) 1,2-Dichloroethane	5.40	62	11028	0.537	ug/l	98
37) Trichloroethene	6.19	130	7817	0.523	ug/l	90
38) 1,2-Dichloropropane	6.43	63	9883	0.505	ug/l	91
39) Methacrylonitrile	4.55	41	4383	0.571	ug/l #	86
40) Methyl acrylate	4.43	55	6227	0.590	ug/l #	79
41) Tetrahydrofuran	4.66	42	3807	0.987	ug/l #	72
42) 1-Chlorobutane	5.06	56	18908	0.510	ug/l	97

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 VSTDIC0.5

Manual Integrations
 APPROVED

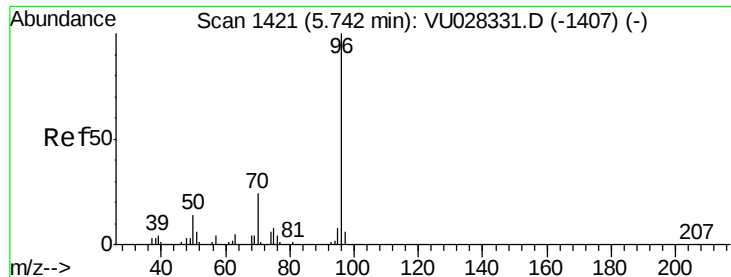
MMDadoda
 11/30/2018 1:29:12 PM

Quant Time: Nov 27 00:56:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	3949	0.474	ug/l	95
44) Bromodichloromethane	6.76	83	11148	0.507	ug/l #	95
45) 4-Methyl-2-Pentanone	7.47	43	33805	2.526	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	5388m	1.123	ug/l	
47) Methyl methacrylate	6.63	69	8276	0.973	ug/l	91
48) Ethyl methacrylate	8.02	69	8290	0.487	ug/l	95
49) Toluene	7.64	92	18920	0.496	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	10540	0.499	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	13169	0.505	ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	6315	0.540	ug/l #	76
53) 1,3-Dichloropropane	8.24	76	11207	0.513	ug/l	99
54) 2-Hexanone	8.37	43	25991	2.700	ug/l	97
55) Dibromochloromethane	8.48	129	6106	0.491	ug/l	97
56) 1,2-Dibromoethane	8.59	107	5568	0.523	ug/l	98
58) Tetrachloroethene	8.22	164	6989	0.511	ug/l	96
59) Chlorobenzene	9.12	112	20585	0.519	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	7031	0.523	ug/l	98
61) Pentachloroethane	11.10	117	5258	0.503	ug/l	94
62) Hexachloroethane	12.14	117	5063	0.517	ug/l	96
63) Ethyl Benzene	9.25	91	34451	0.471	ug/l	94
64) m/p-Xylenes	9.38	106	25487	0.962	ug/l	98
65) o-Xylene	9.78	106	11963	0.468	ug/l	91
66) Styrene	9.79	104	20437	0.466	ug/l	98
67) Bromoform	9.96	173	3581	0.514	ug/l #	96
69) Isopropylbenzene	10.16	105	32769	0.479	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8102	0.516	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	5298m	0.490	ug/l	
72) Bromobenzene	10.45	156	7247	0.477	ug/l	97
73) n-propylbenzene	10.58	120	8095	0.456	ug/l	95
74) 2-Chlorotoluene	10.66	126	7690	0.495	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	27287	0.474	ug/l	98
76) 4-Chlorotoluene	10.77	126	7513	0.477	ug/l	99
77) tert-Butylbenzene	11.10	119	26425	0.487	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	27792	0.471	ug/l	95
79) sec-Butylbenzene	11.32	105	34820	0.461	ug/l	99
80) Nitrobenzene	12.87	77	1746	2.470	ug/l #	85
81) p-Isopropyltoluene	11.48	119	27771	0.462	ug/l	96
82) 1,3-Dichlorobenzene	11.41	146	14370	0.472	ug/l	94
83) 1,4-Dichlorobenzene	11.50	146	15120	0.499	ug/l	97
84) n-Butylbenzene	11.89	91	26450	0.419	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	14529	0.502	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1131	0.448	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	9784	0.481	ug/l	98
88) Hexachlorobutadiene	13.69	225	5128	0.466	ug/l	97
89) Naphthalene	13.75	128	20692	0.514	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	9816	0.511	ug/l	97

(#) = 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: VU028327.D

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Instrument :

MSVOA_U

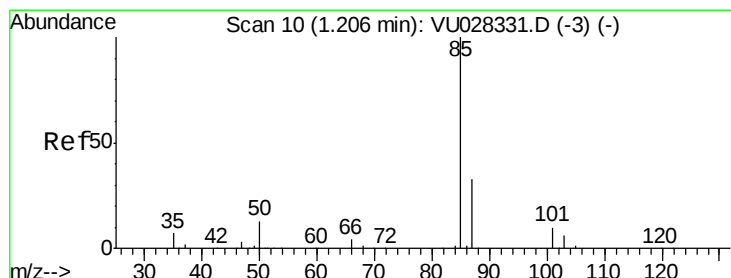
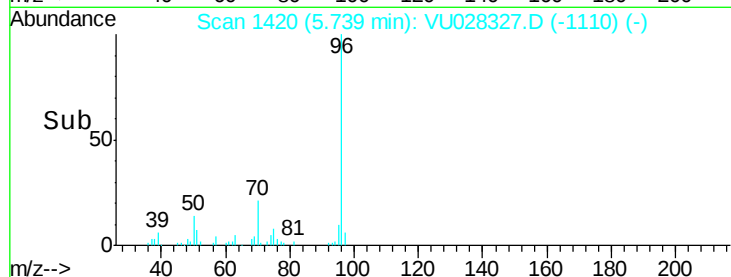
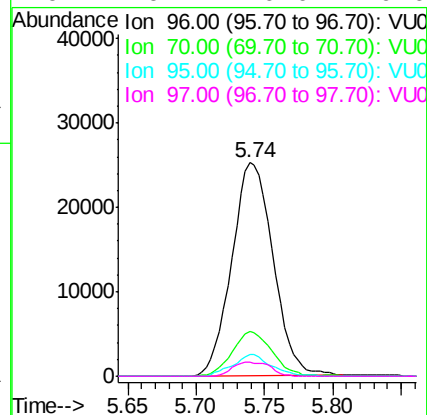
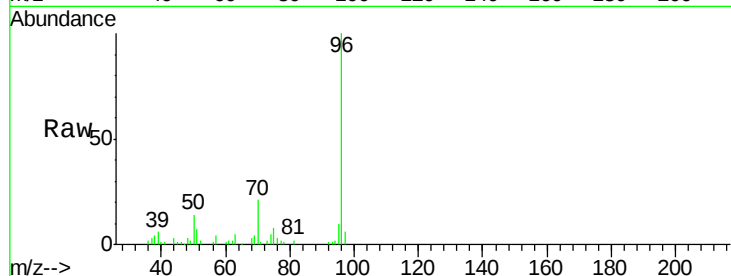
ClientSampleId :

VSTDIC0.5

Tgt Ion:	96	Resp:	53117
Ion	Ratio	Lower	Upper
96	100		
70	20.2	17.8	26.8
95	9.5	7.6	11.4
97	6.1	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.531 ug/l

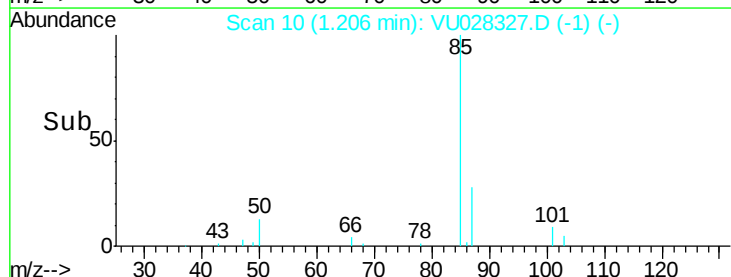
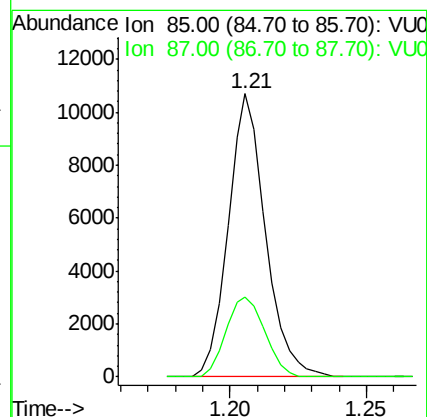
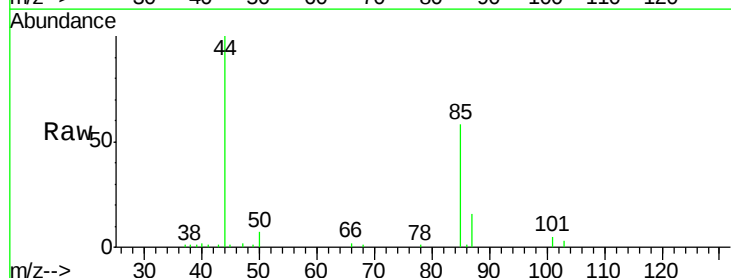
RT: 1.21 min Scan# 10

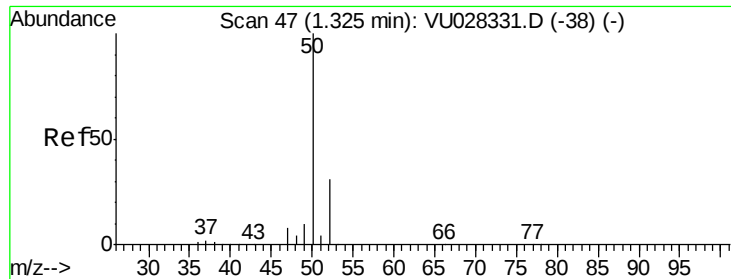
Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Tgt Ion:	85	Resp:	10154
Ion	Ratio	Lower	Upper
85	100		
87	28.4	16.3	48.8





#3

Chloromethane

Concen: 0.656 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 50 Resp: 21349

Ion Ratio Lower Upper

50 100

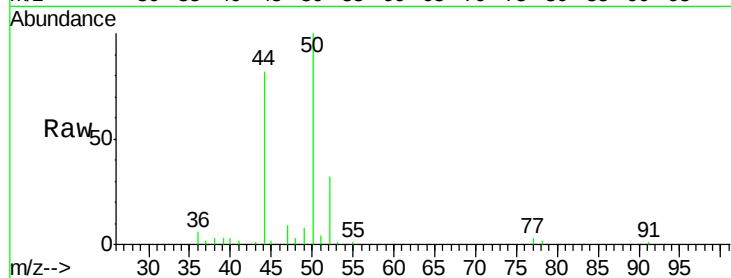
52 32.1 25.1 37.7

Manual Integrations

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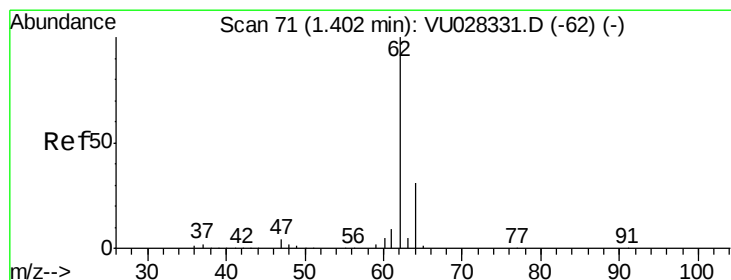
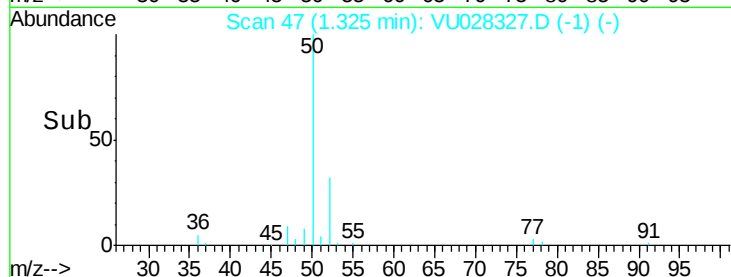
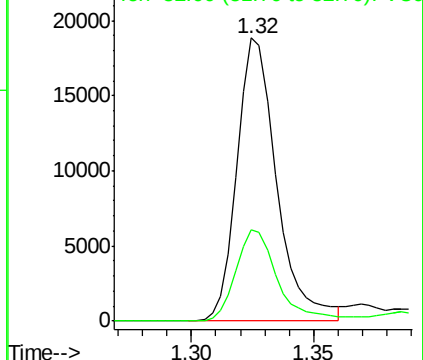
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.533 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028327.D

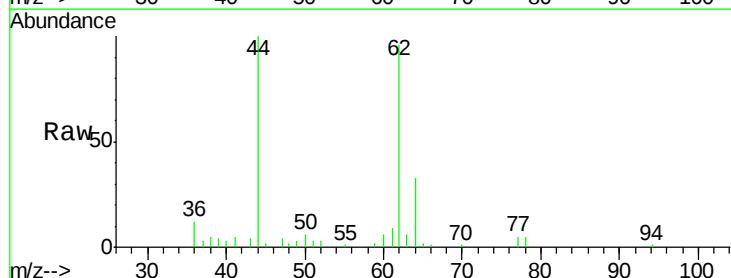
Acq: 26 Nov 2018 09:50

Tgt Ion: 62 Resp: 11872

Ion Ratio Lower Upper

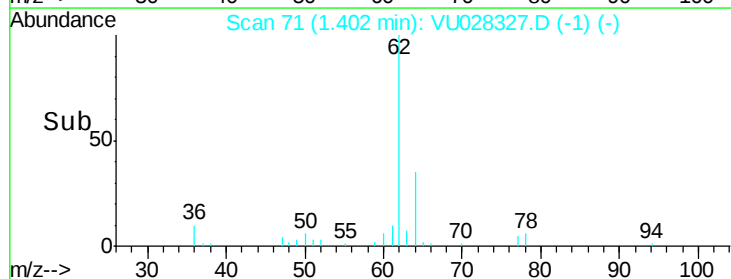
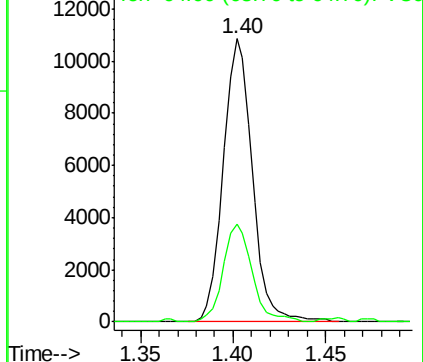
62 100

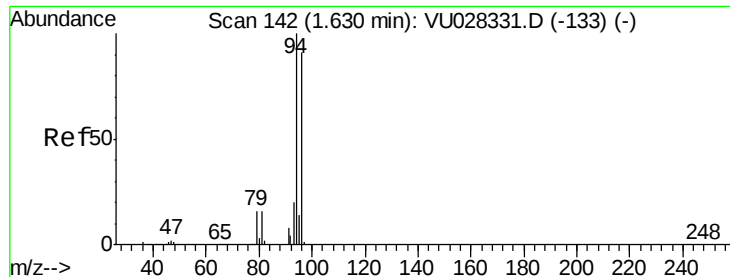
64 34.7 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.586 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 94 Resp: 5137

Ion Ratio Lower Upper

94 100

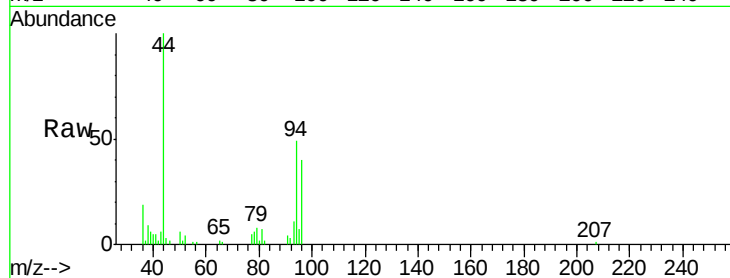
96 83.8 73.1 109.7

Manual Integrations

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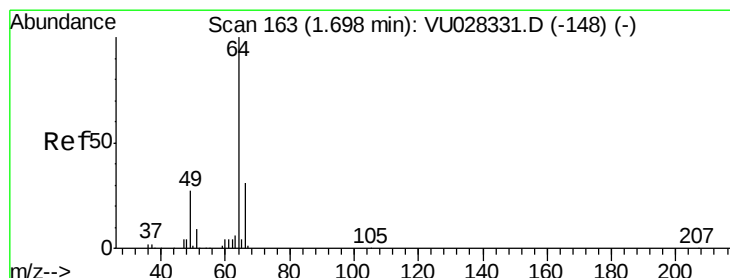
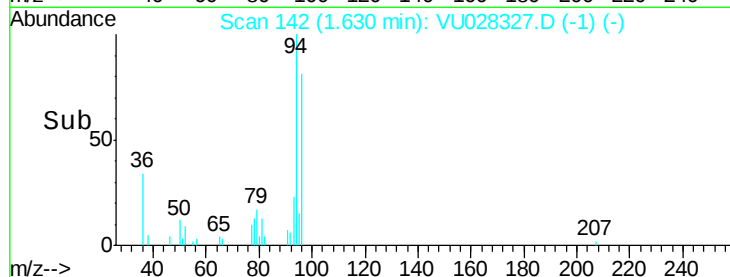
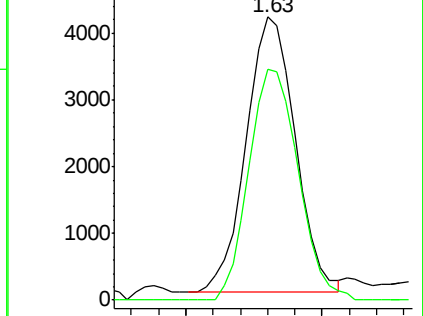
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.555 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028327.D

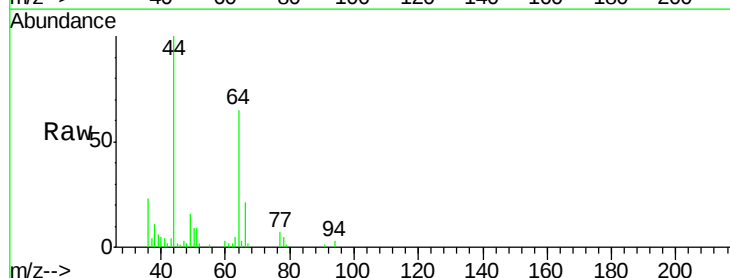
Acq: 26 Nov 2018 09:50

Tgt Ion: 64 Resp: 7211

Ion Ratio Lower Upper

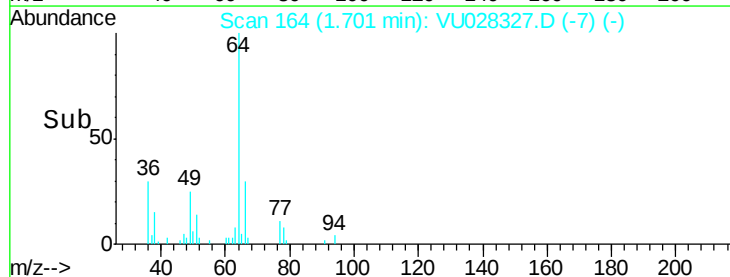
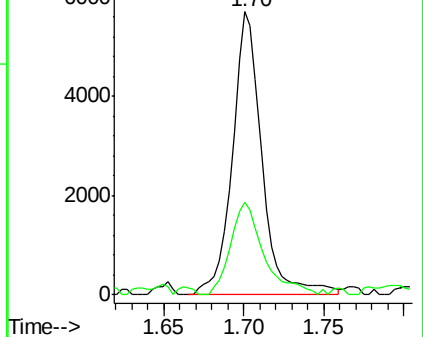
64 100

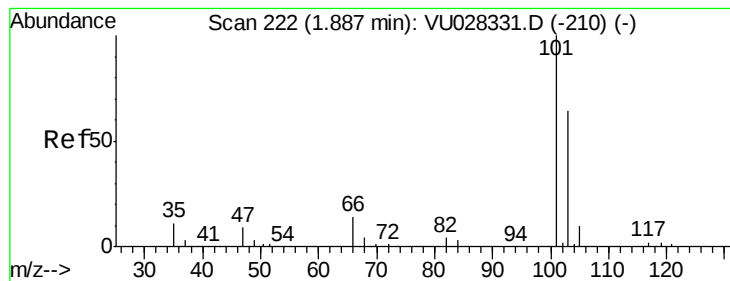
66 30.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 0.524 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 12732

Ion Ratio Lower Upper

101 100

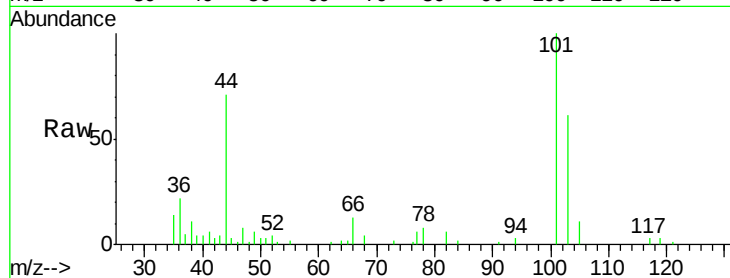
103 60.8 51.4 77.0

Manual Integrations

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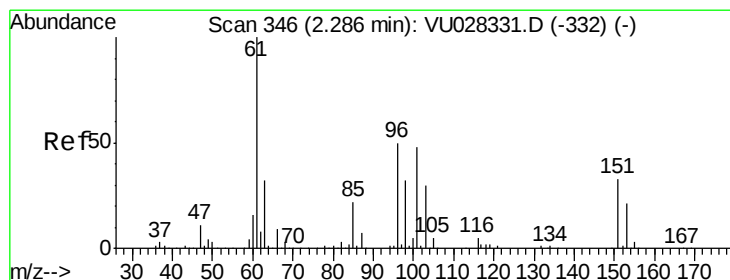
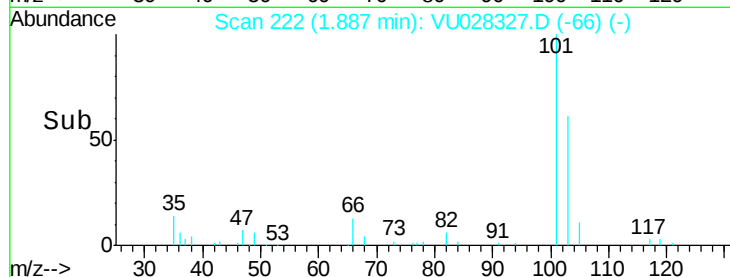
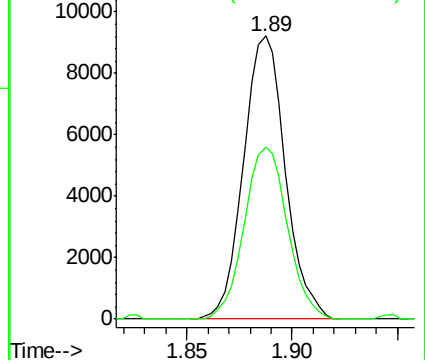
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.507 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

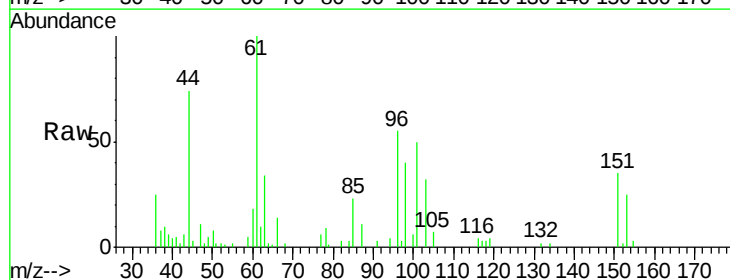
Tgt Ion:101 Resp: 7094

Ion Ratio Lower Upper

101 100

85 47.1 36.7 55.1

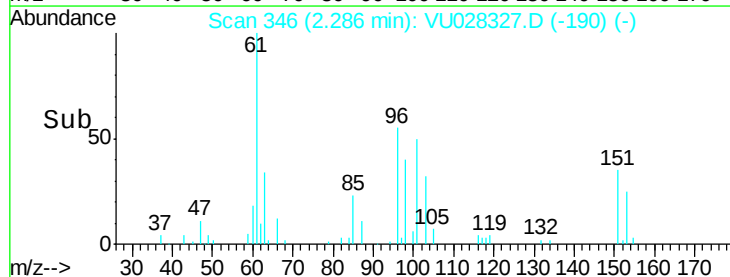
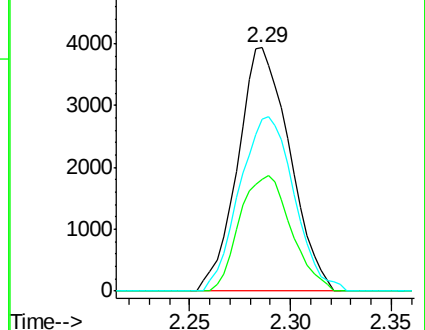
151 75.3 55.8 83.6

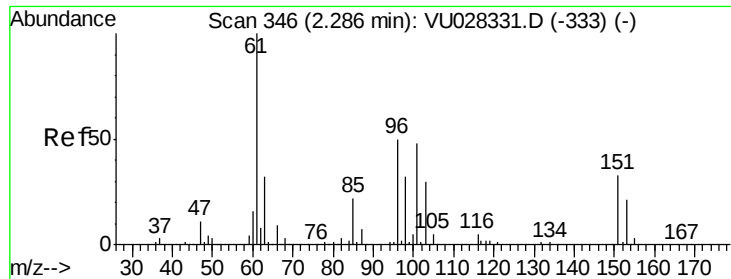


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

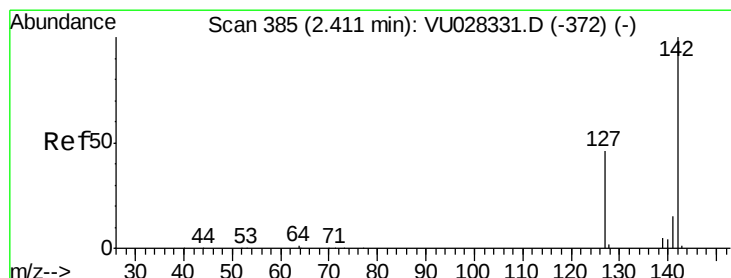
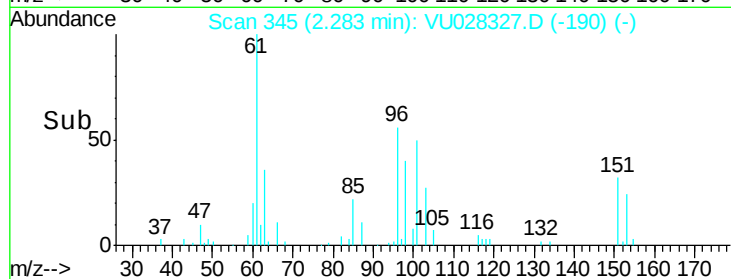
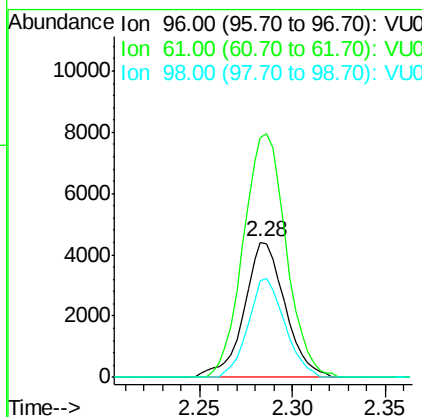
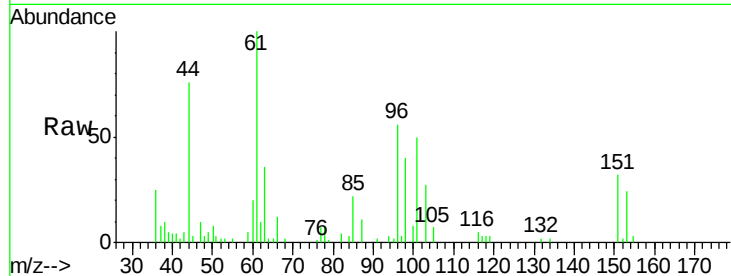
ClientSampleId :

VSTDIC0.5

Tgt Ion:	96	Resp:	6779
Ion Ratio	Lower	Upper	
96	100		
61	177.2	0.0	597.6
98	70.9	0.0	127.6

Manual Integrations
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#10

Iodomethane

Concen: 0.456 ug/l

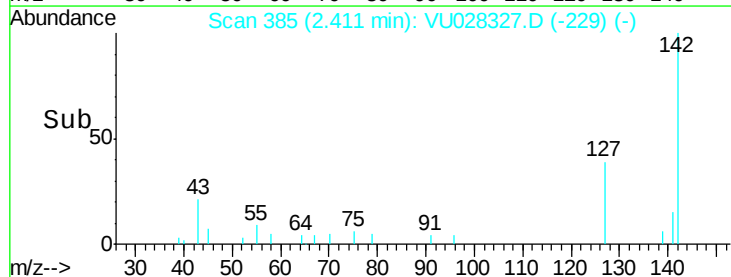
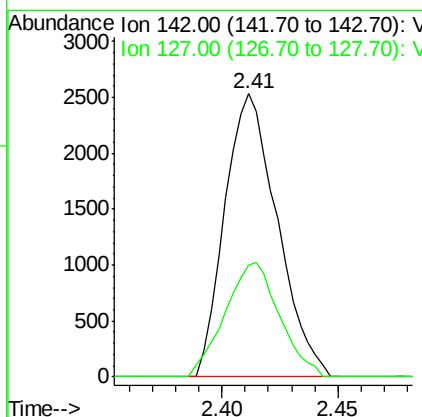
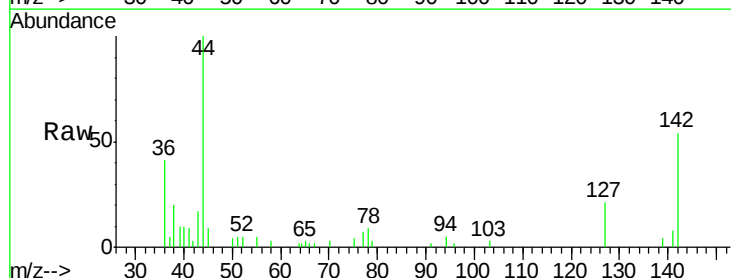
RT: 2.41 min Scan# 385

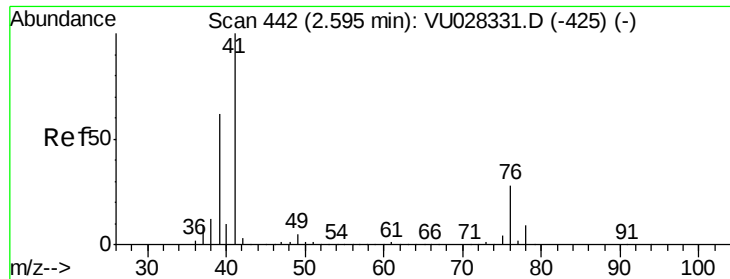
Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Tgt Ion:	142	Resp:	3984
Ion Ratio	Lower	Upper	
142	100		
127	41.8	36.4	54.6





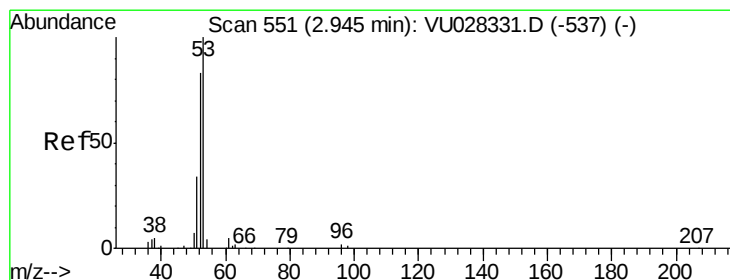
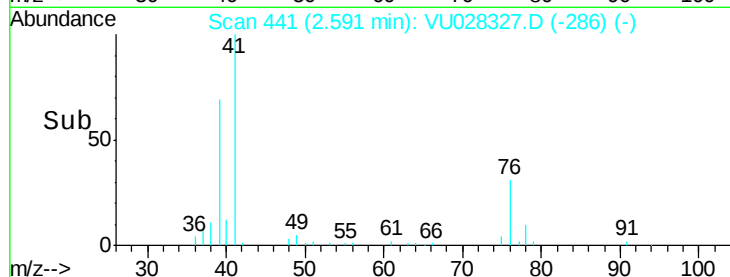
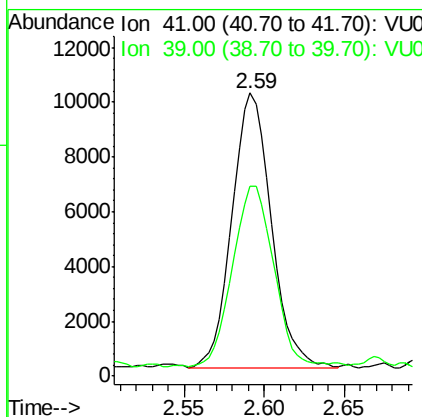
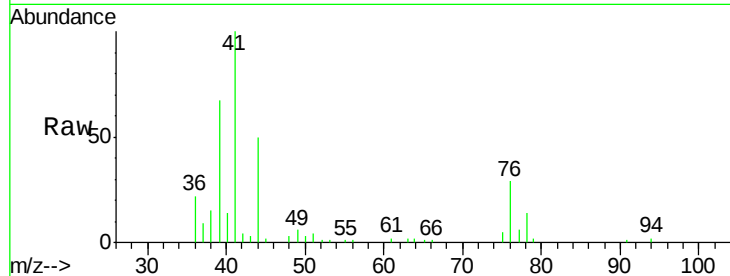
#11
 Allyl Chloride
 Concen: 0.513 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 16739
 Ion Ratio Lower Upper
 41 100
 39 68.3 50.8 76.2

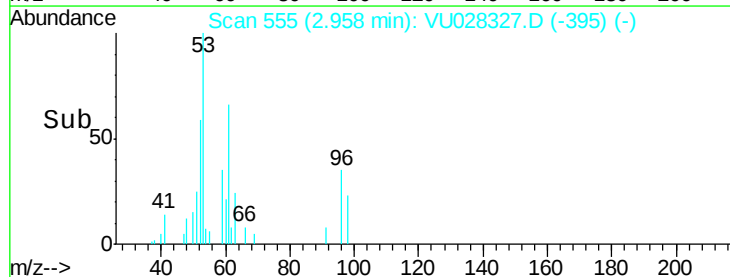
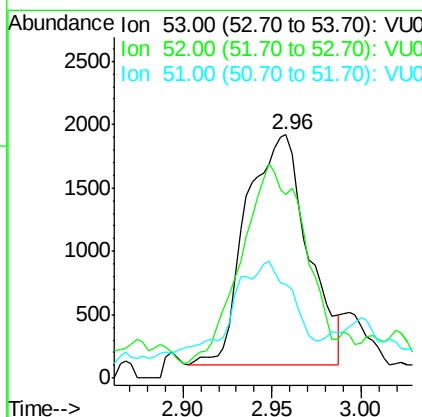
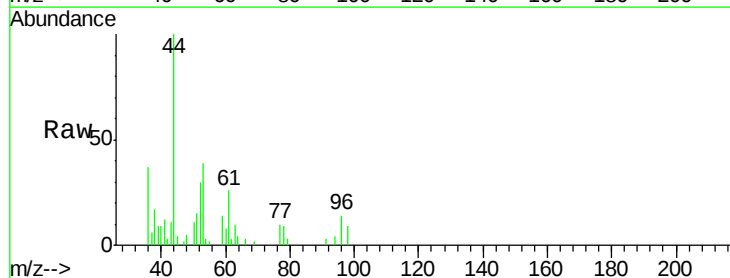
Manual Integrations
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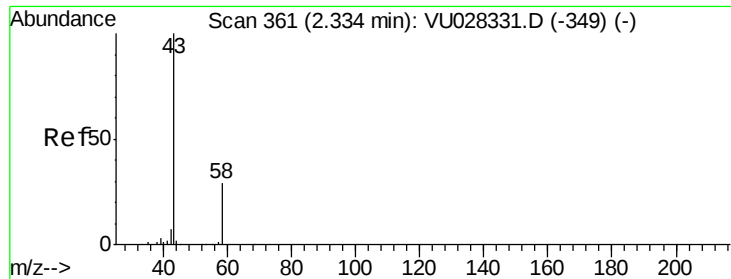
MMDadoda
 11/30/2018 1:29:12 PM



#12
 Acrylonitrile
 Concen: 1.063 ug/l
 RT: 2.96 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 53 Resp: 4379
 Ion Ratio Lower Upper
 53 100
 52 89.5 69.3 103.9
 51 41.6 27.8 41.8





#13

Acetone

Concen: 3.177 ug/l

RT: 2.35 min Scan# 365

Delta R.T. 0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 12128

Ion Ratio Lower Upper

43 100

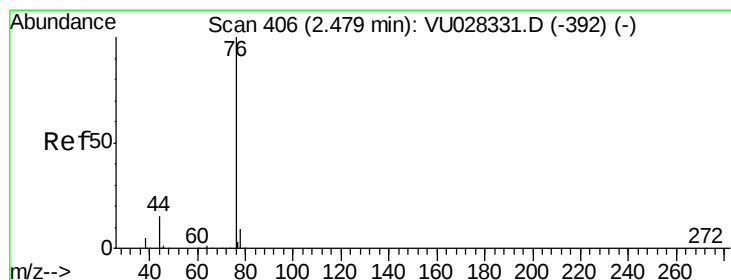
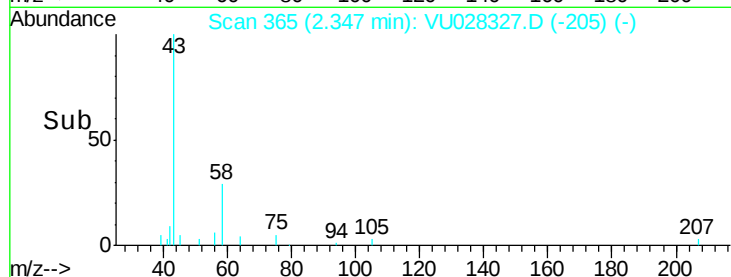
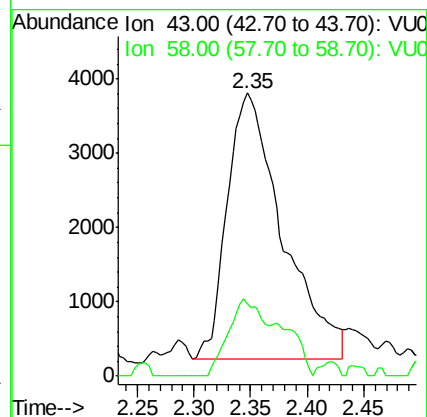
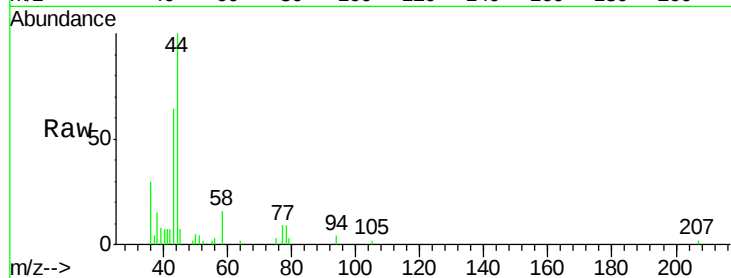
58 27.3 23.1 34.7

Manual Integrations

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#14

Carbon Disulfide

Concen: 0.539 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028327.D

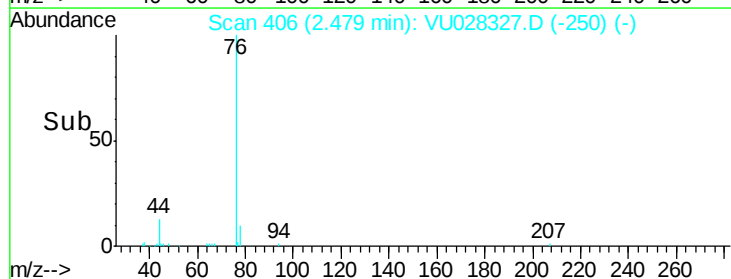
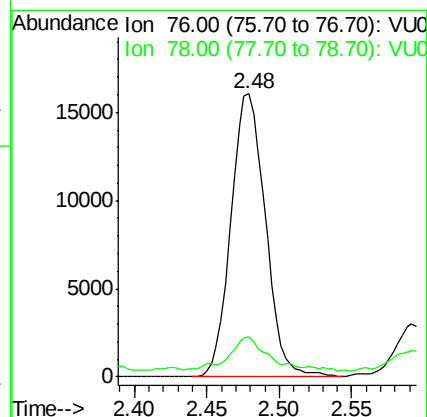
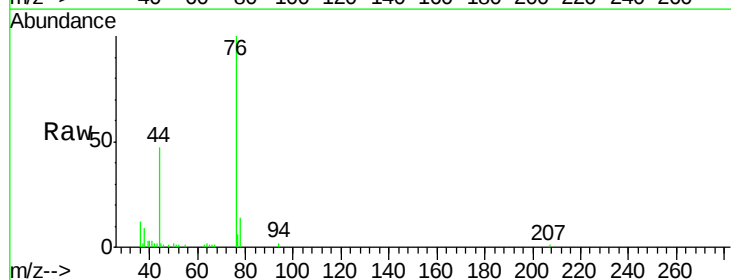
Acq: 26 Nov 2018 09:50

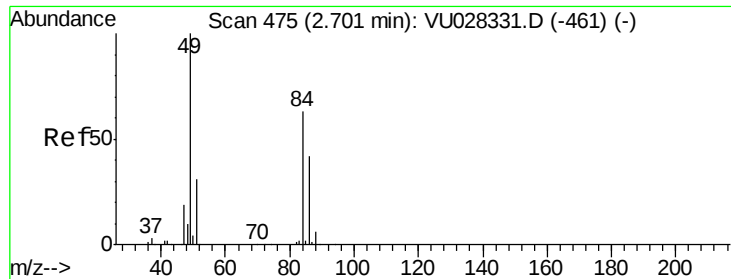
Tgt Ion: 76 Resp: 26463

Ion Ratio Lower Upper

76 100

78 11.7 7.4 11.2#





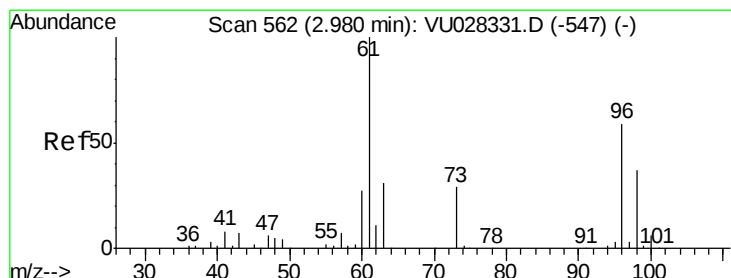
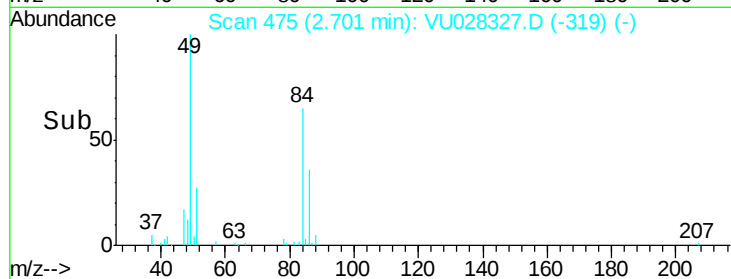
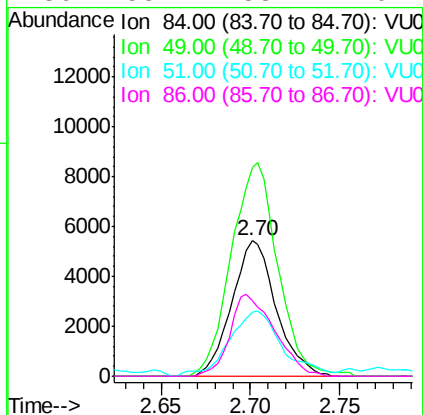
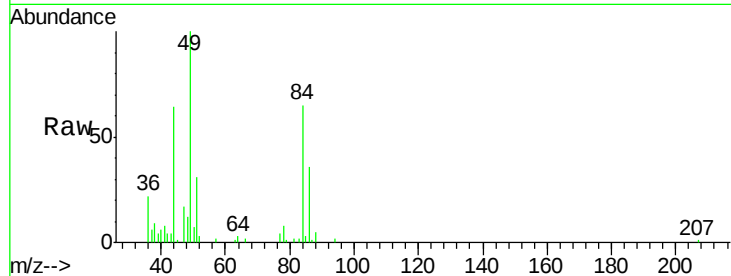
#15
Methylene Chloride
Concen: 0.596 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:	84	Resp:	9392
Ion	Ratio	Lower	Upper
84	100		
49	154.0	127.7	191.5
51	44.1	0.0	98.2
86	55.7	53.1	79.7

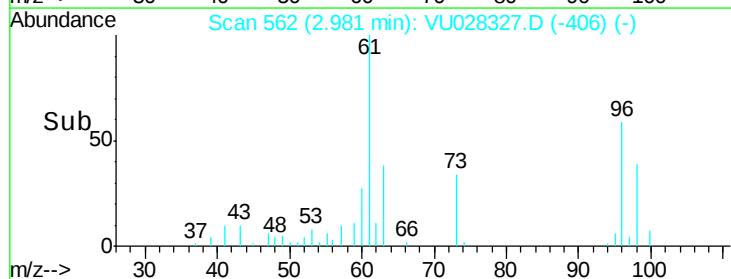
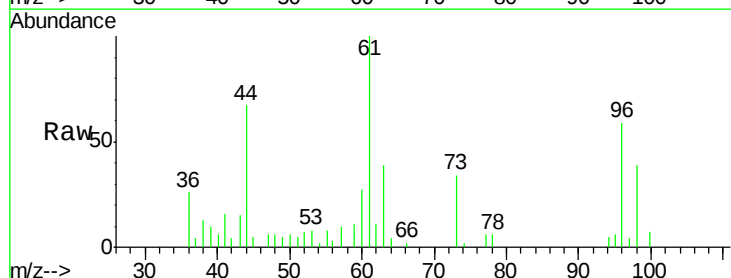
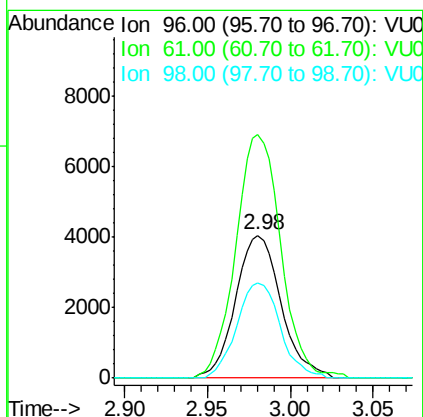
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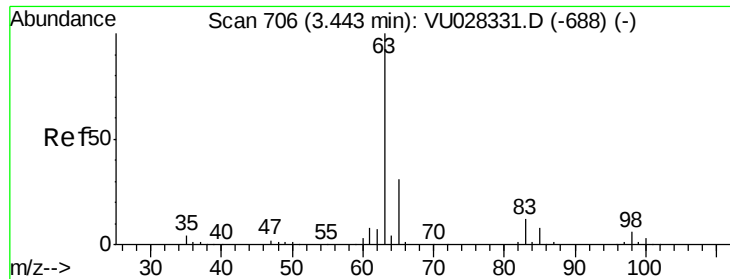
MMDadoda
11/30/2018 1:29:12 PM



#16
trans-1,2-Dichloroethene
Concen: 0.533 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:	96	Resp:	7717
Ion	Ratio	Lower	Upper
96	100		
61	170.2	136.4	204.6
98	66.9	49.8	74.8





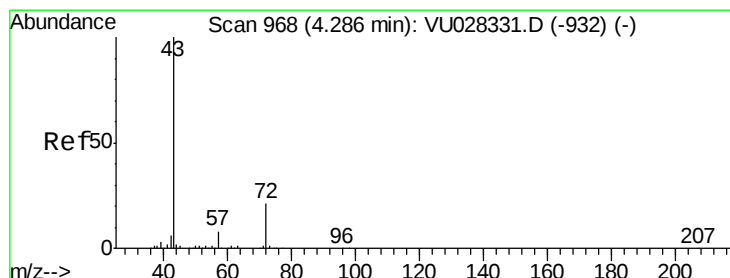
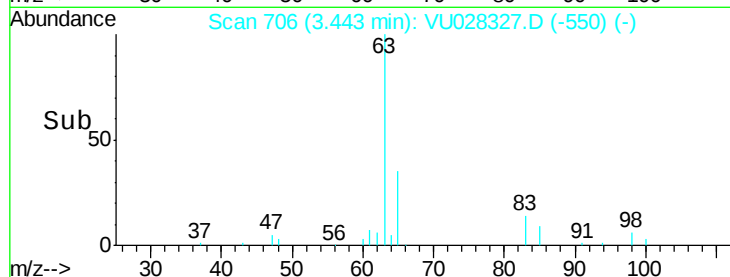
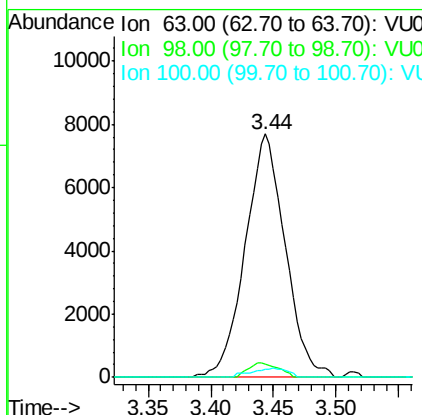
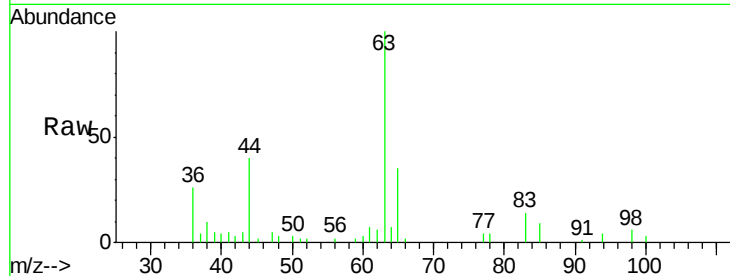
#17
 1,1-Dichloroethane
 Concen: 0.529 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	3.1	1.8	5.3

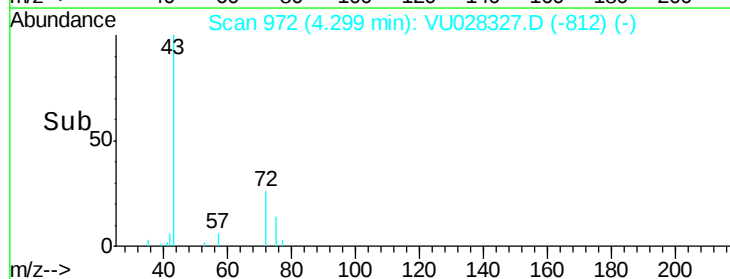
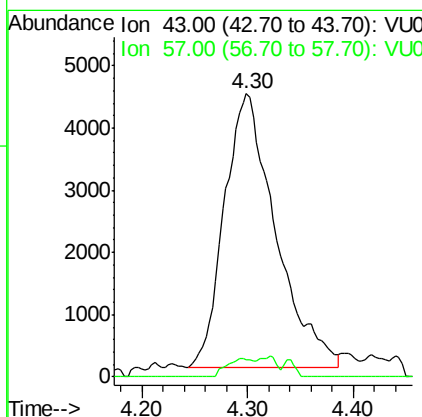
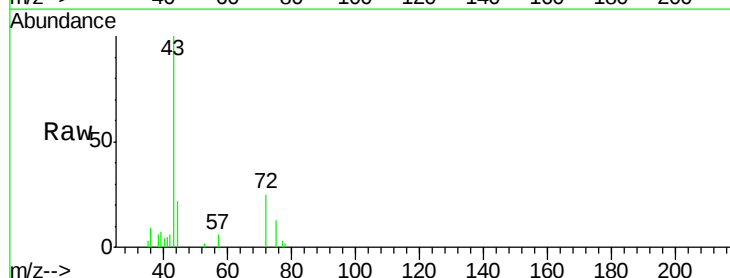
Manual Integrations
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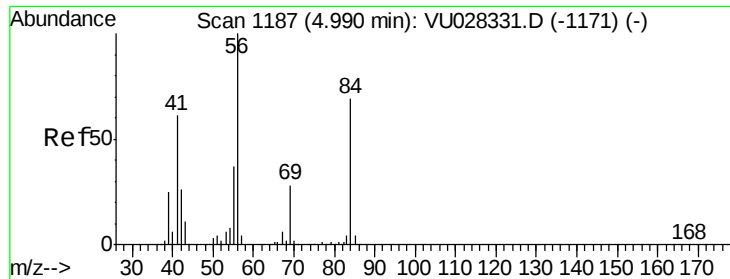
MMDadoda
 11/30/2018 1:29:12 PM



#18
 2-Butanone
 Concen: 2.600 ug/l
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.3	0.0	15.0





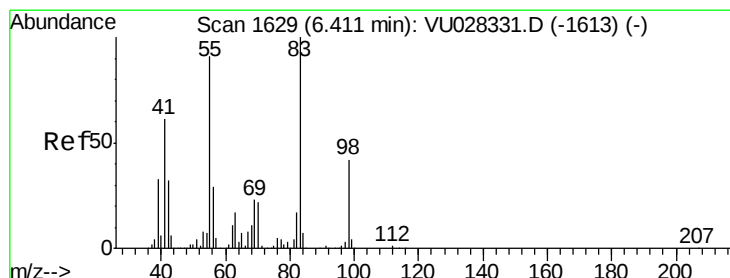
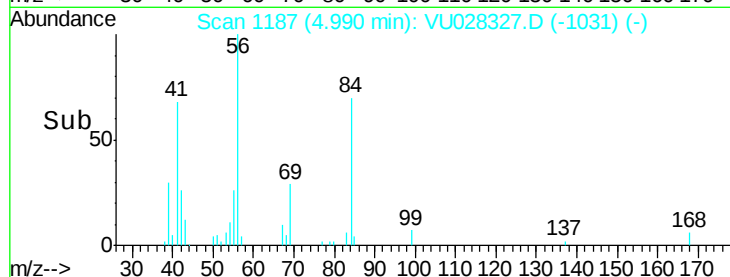
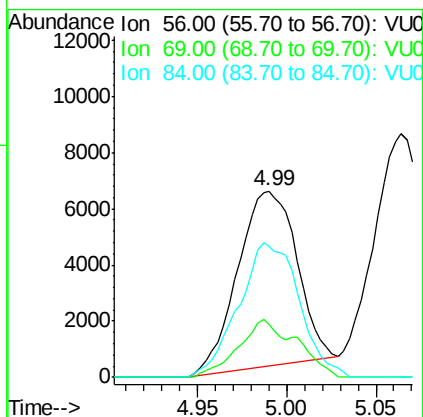
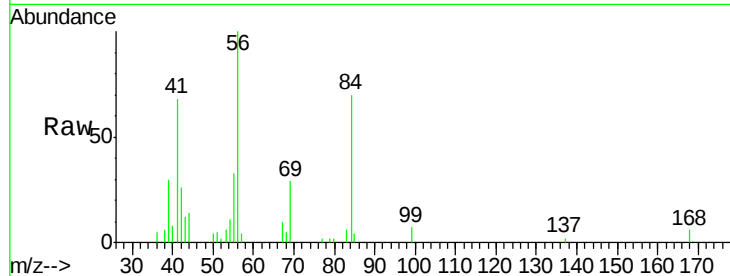
#19
Cyclohexane
Concen: 0.515 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.0	37.6
84	78.7	62.6	94.0

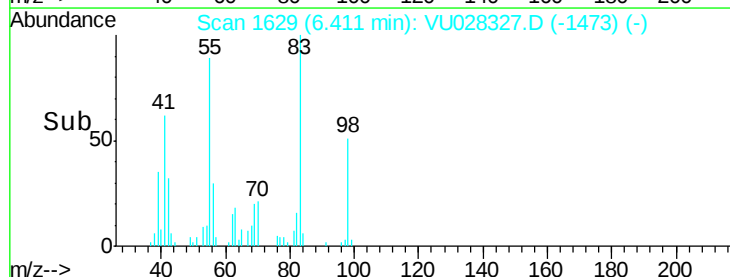
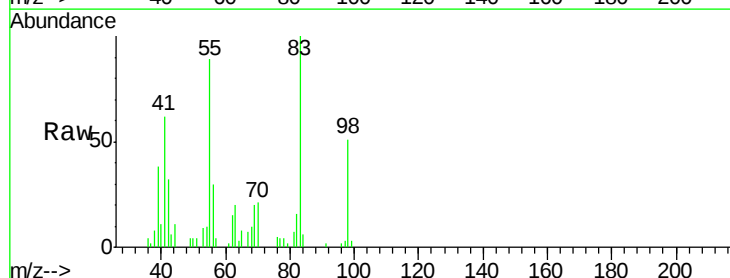
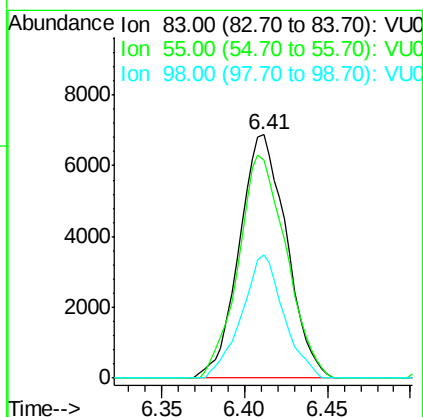
Manual Integrations
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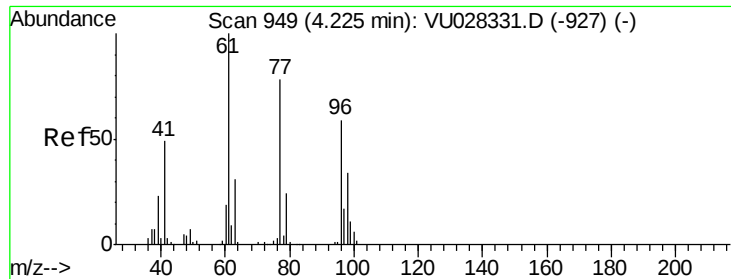
MMDadoda
11/30/2018 1:29:12 PM



#20
Methylcyclohexane
Concen: 0.498 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.1	72.6	108.8
98	45.0	33.8	50.8





#21

2,2-Dichloropropane

Concen: 0.541 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion: 77 Resp: 14016

Ion Ratio Lower Upper

77 100

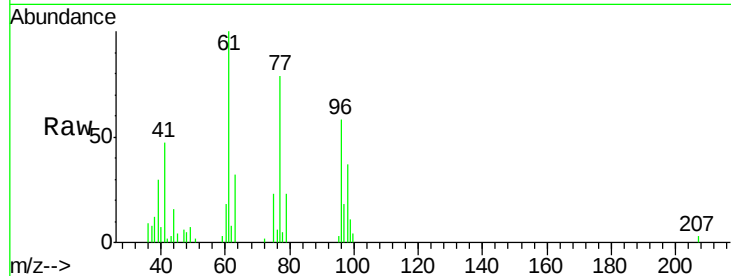
97 20.7 17.4 26.2

Manual Integrations

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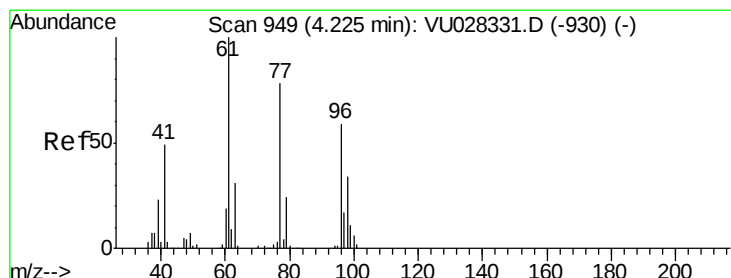
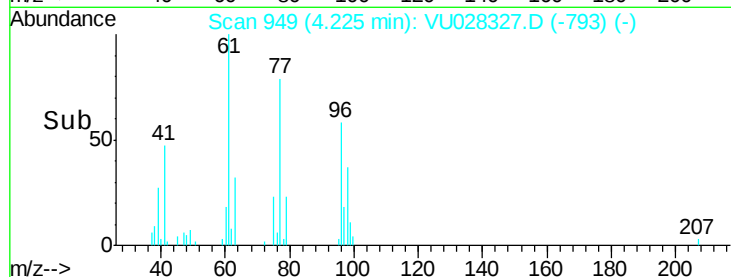
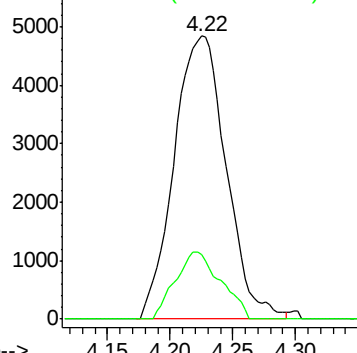
MMDadoda

11/30/2018 1:29:12 PM



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.500 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

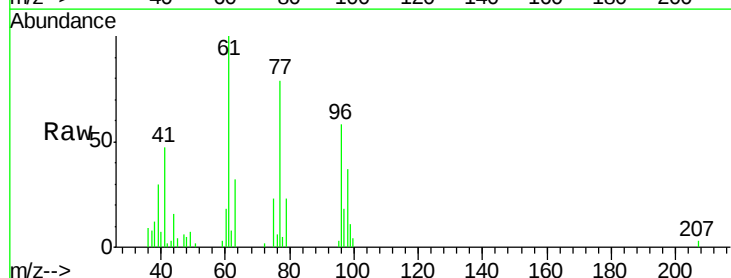
Tgt Ion: 96 Resp: 8470

Ion Ratio Lower Upper

96 100

61 174.3 0.0 423.0

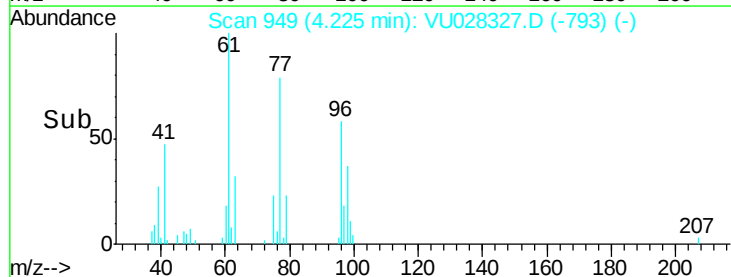
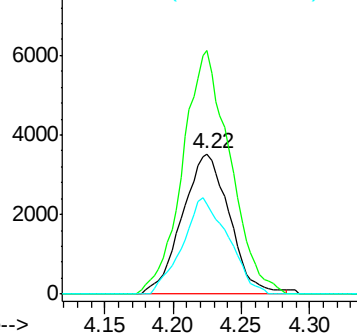
98 66.3 30.3 91.0

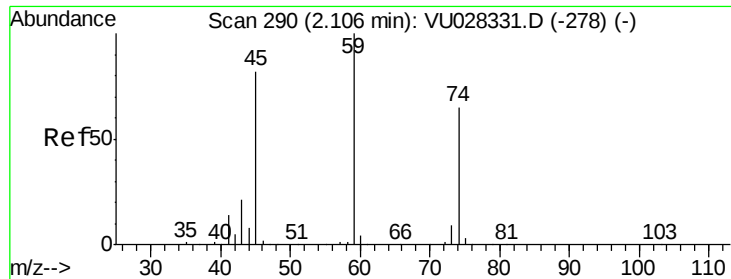


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





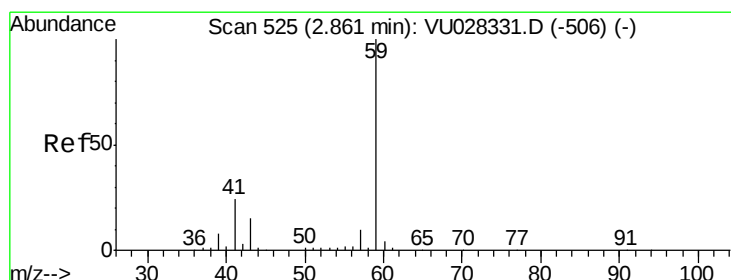
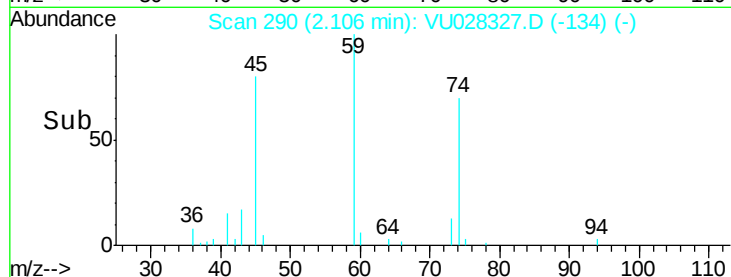
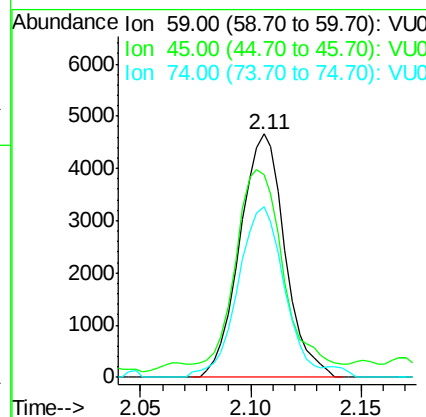
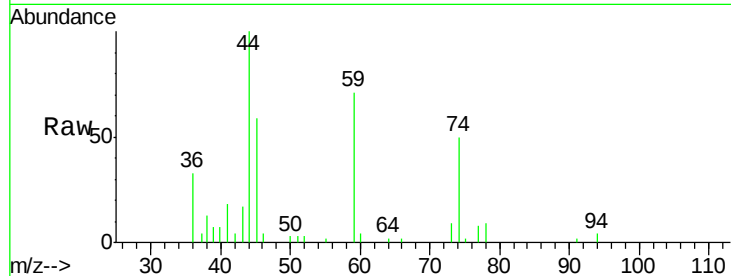
#23
Diethyl Ether
Concen: 0.510 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
59	100		
45	82.7	66.4	99.6
74	72.1	52.2	78.4

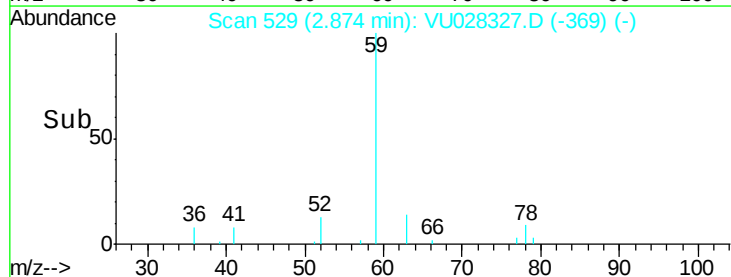
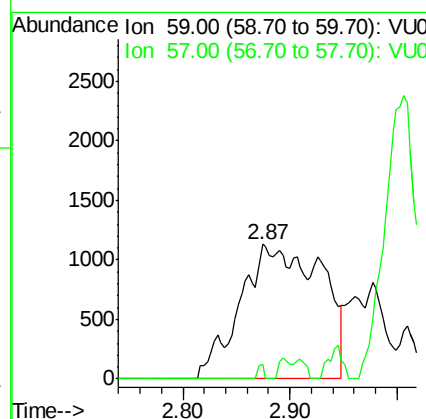
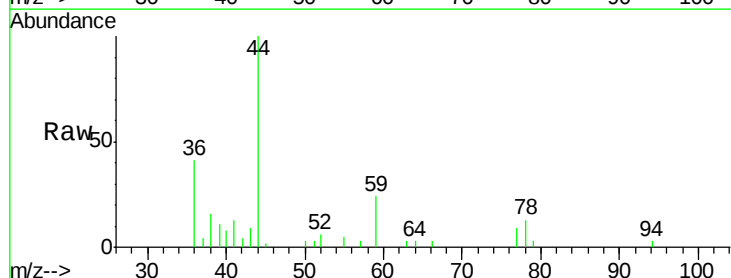
Manual Integrations
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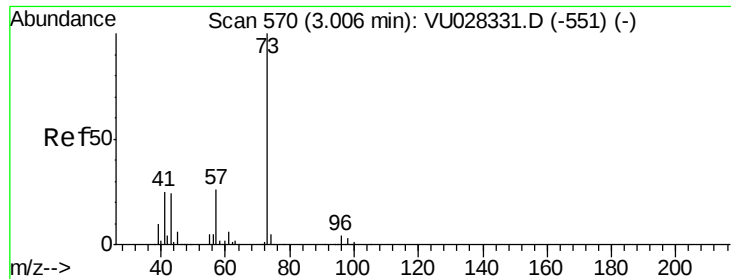
MMDadoda
11/30/2018 1:29:12 PM



#24
tert-Butyl Alcohol
Concen: 4.755 ug/l m
RT: 2.87 min Scan# 529
Delta R.T. 0.01 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#





#25

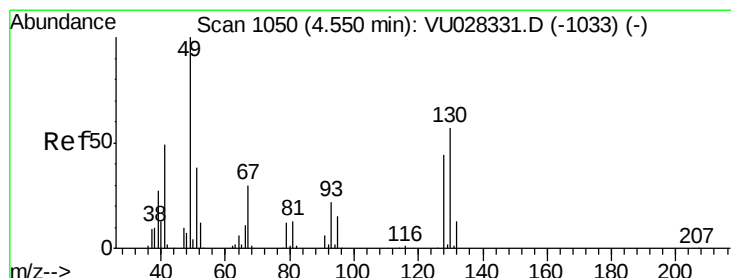
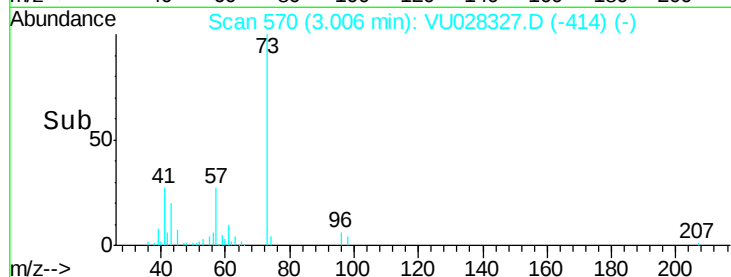
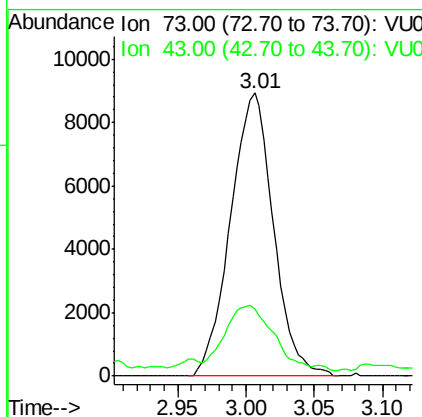
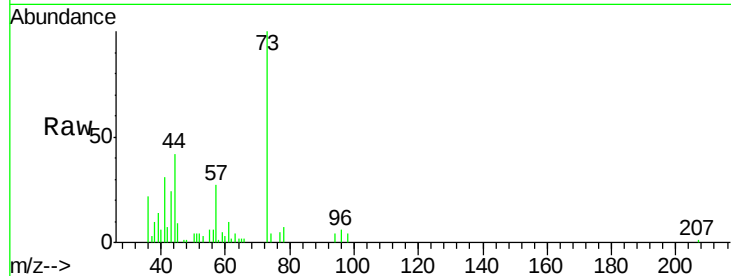
Methyl tert-Butyl Ether
Concen: 0.508 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.8	18.5	27.7

Manual Integrations
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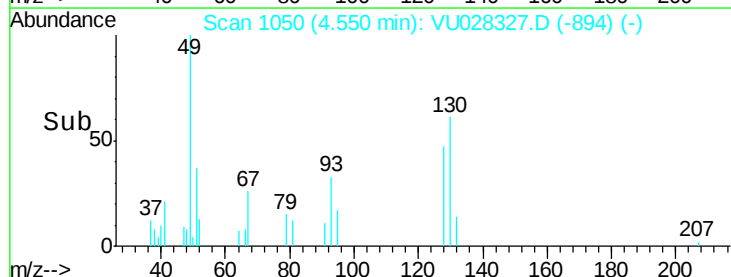
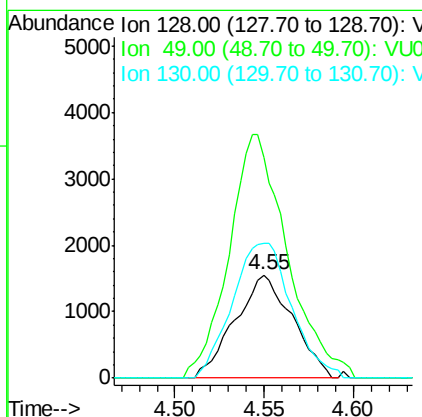
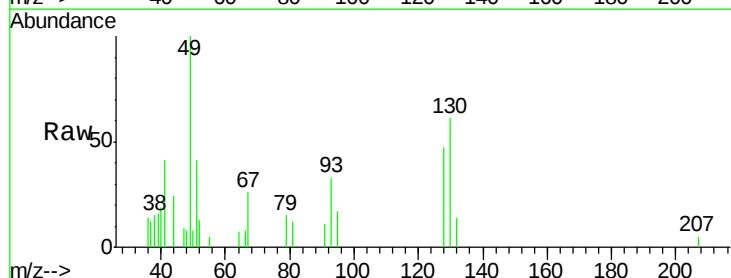
MMDadoda
11/30/2018 1:29:12 PM

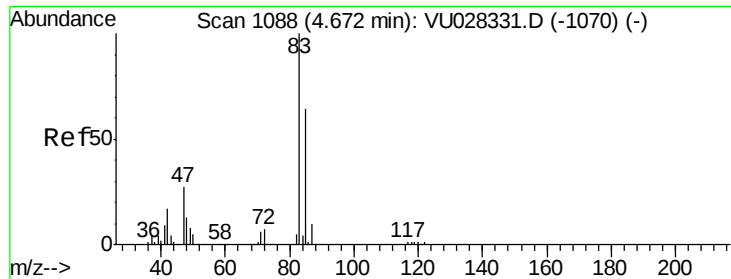


#26

Bromochloromethane
Concen: 0.541 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	238.7	0.0	457.6
130	135.6	101.4	152.2





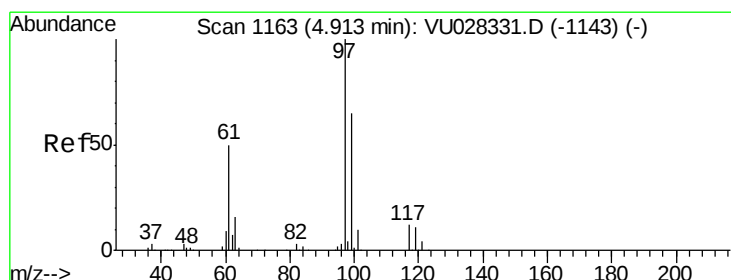
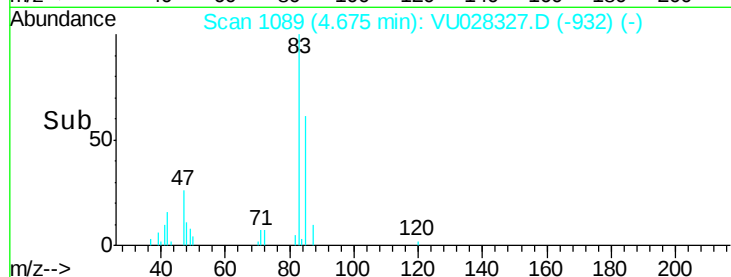
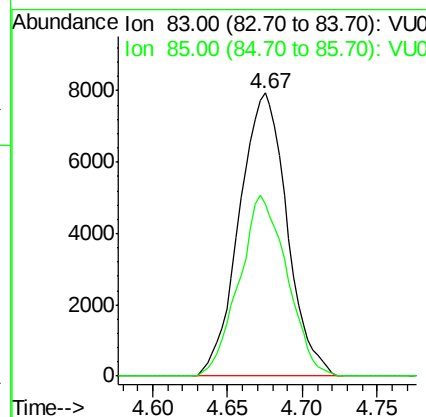
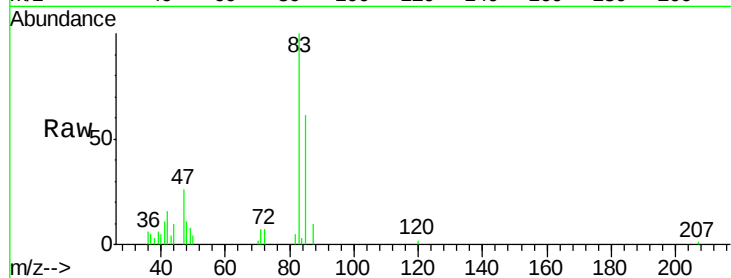
#27
Chloroform
Concen: 0.566 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 17618
Ion Ratio Lower Upper
83 100
85 60.9 0.0 128.0

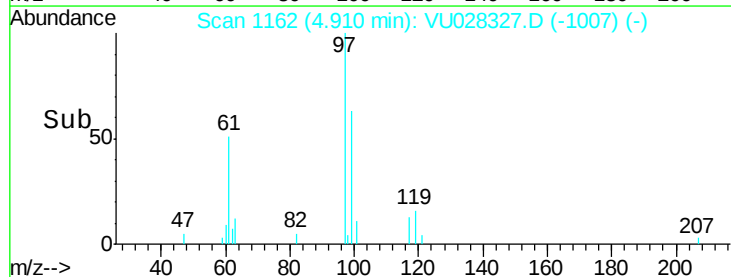
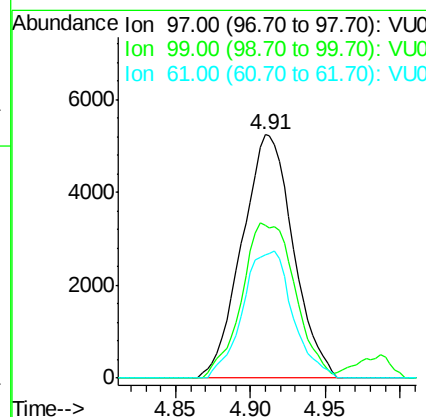
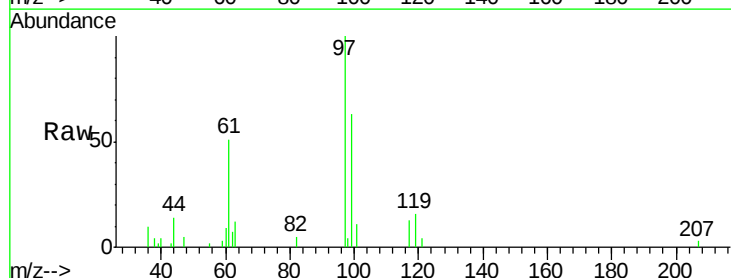
Manual Integrations
APPROVED

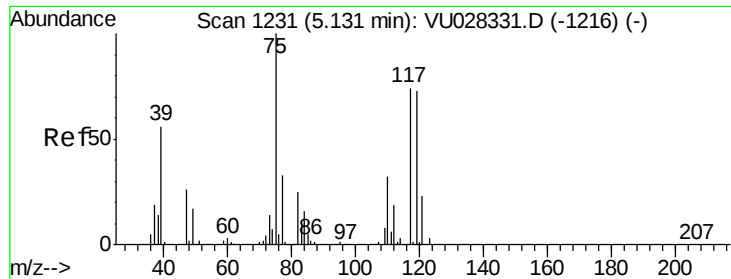
MMDadoda
11/30/2018 1:29:12 PM



#28
1,1,1-Trichloroethane
Concen: 0.514 ug/l
RT: 4.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 97 Resp: 12490
Ion Ratio Lower Upper
97 100
99 66.2 32.2 96.6
61 50.6 24.9 74.7





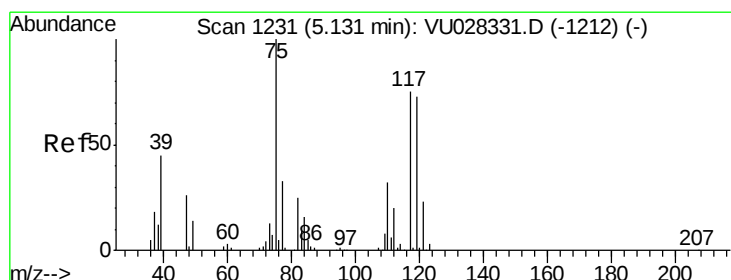
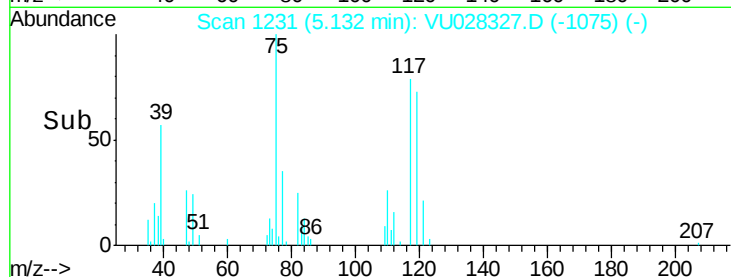
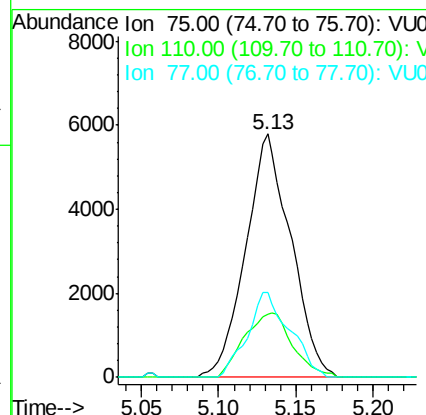
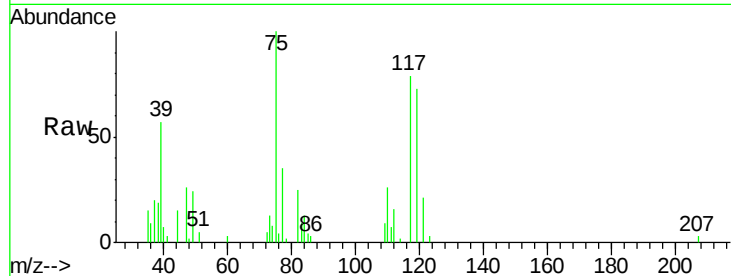
#29
1,1-Dichloropropene
Concen: 0.504 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.3	15.8	47.3
77	32.7	25.4	38.0

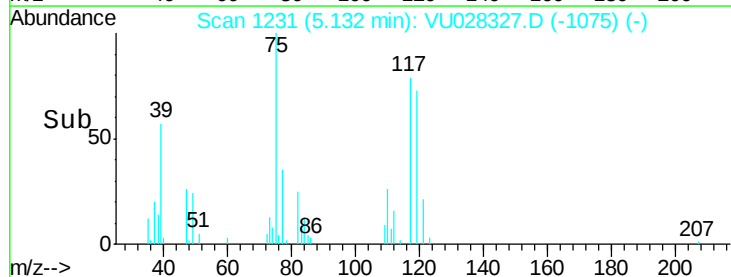
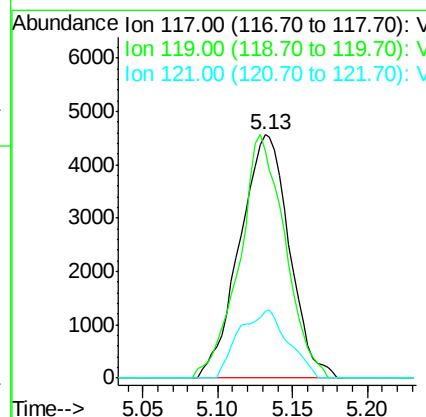
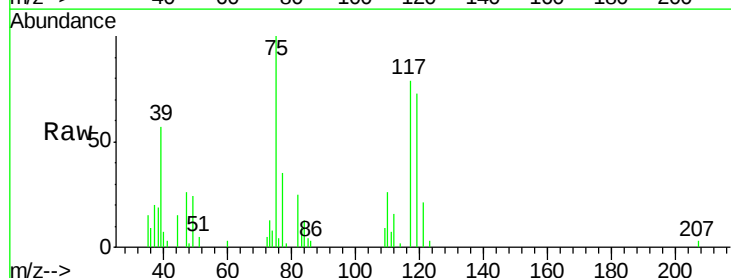
Manual Integrations
APPROVED

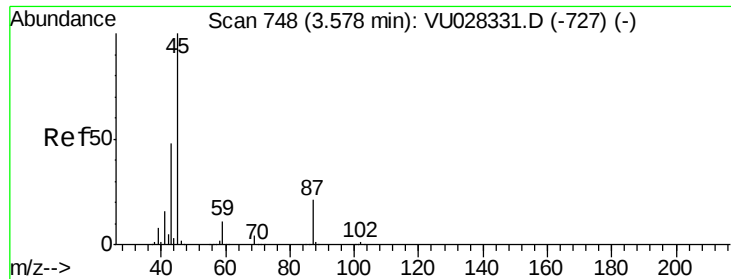
MMDadoda
11/30/2018 1:29:12 PM



#30
Carbon Tetrachloride
Concen: 0.535 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.2	117.4
121	27.3	24.7	37.1





#31

Isopropyl Ether

Concen: 0.502 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 29007

Ion Ratio Lower Upper

45 100

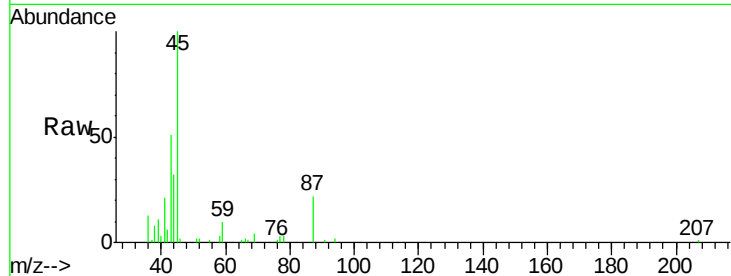
43 56.7 24.2 72.6

Manual Integrations

APPROVED

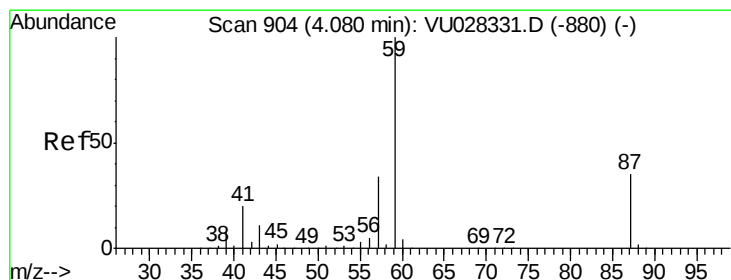
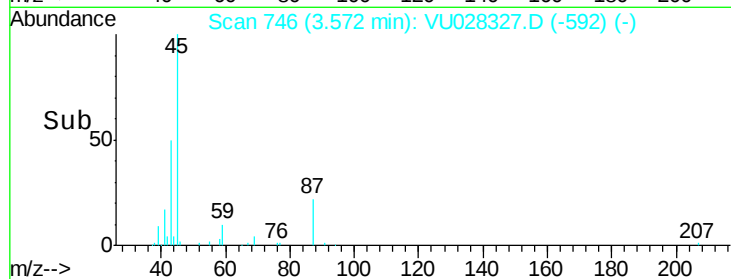
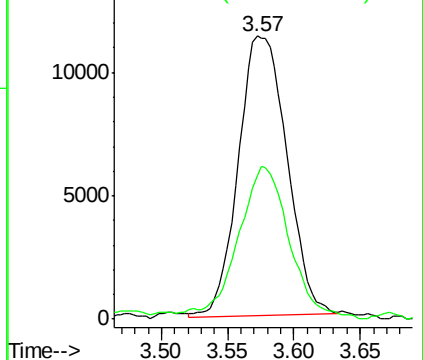
MMDadoda

11/30/2018 1:29:12 PM



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 0.515 ug/l

RT: 4.08 min Scan# 904

Delta R.T. 0.00 min

Lab File: VU028327.D

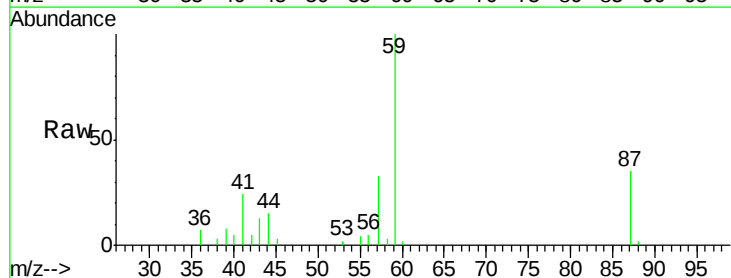
Acq: 26 Nov 2018 09:50

Tgt Ion: 59 Resp: 24486

Ion Ratio Lower Upper

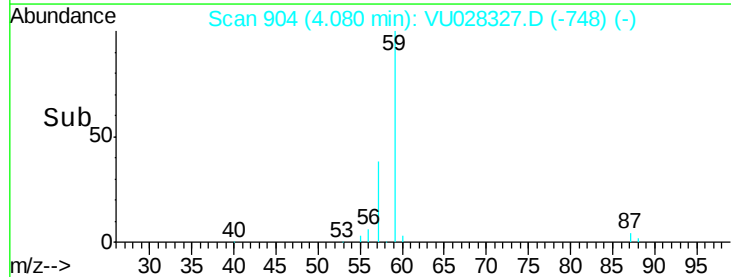
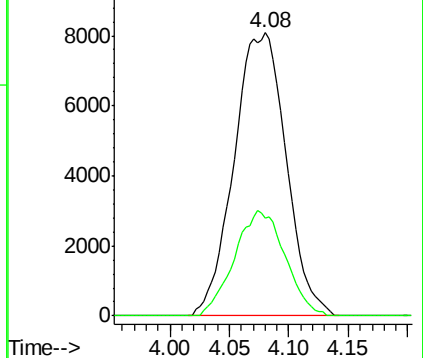
59 100

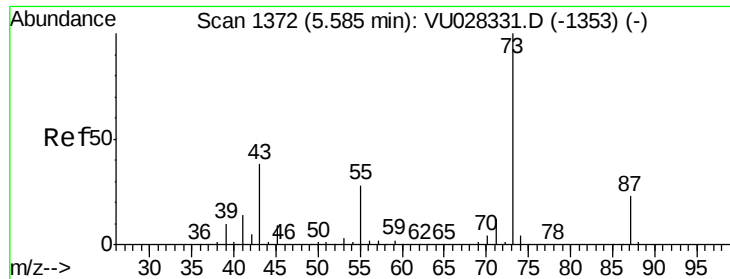
87 36.1 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





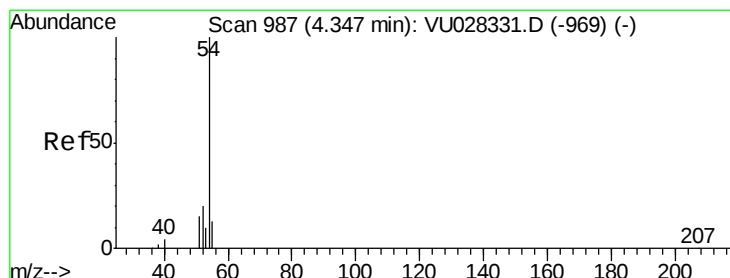
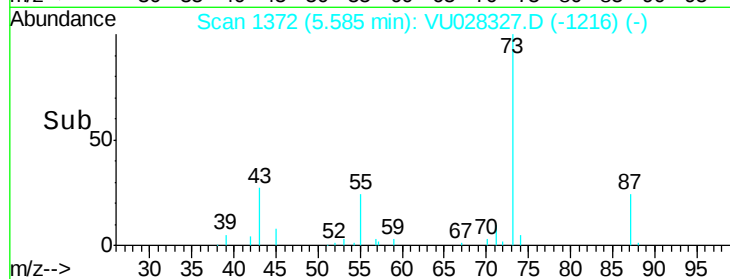
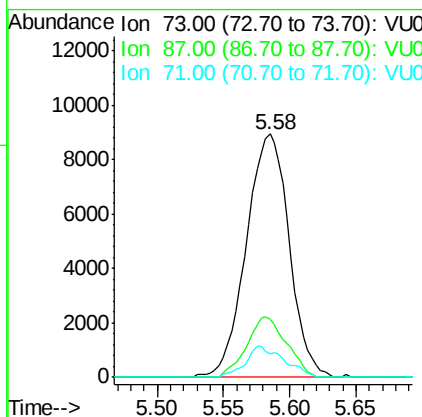
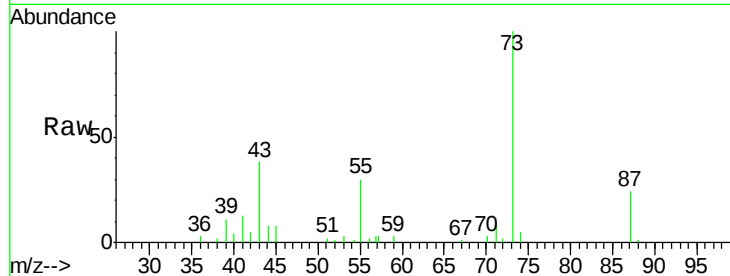
#33
Tert-Amyl methyl ether
Concen: 0.511 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
73	100		
87	22.8	17.6	26.4
71	11.5	9.2	13.8

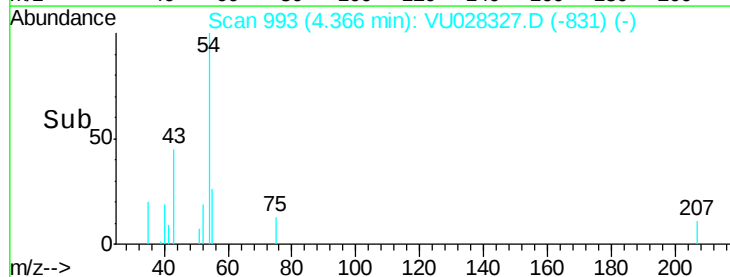
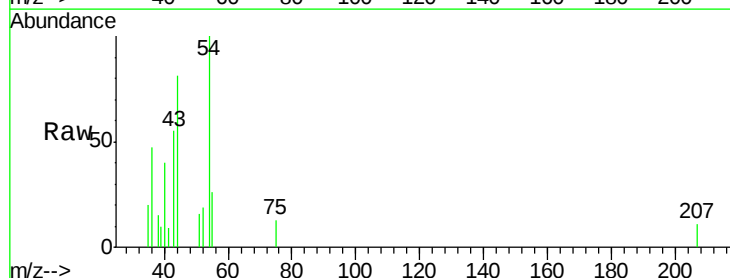
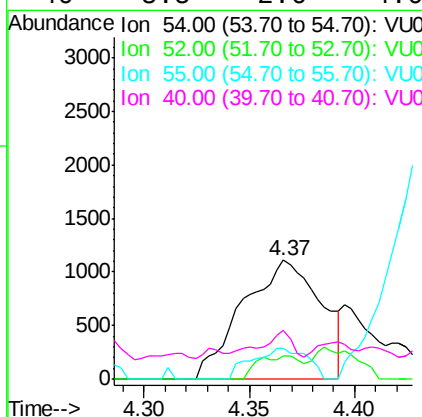
Manual Integrations
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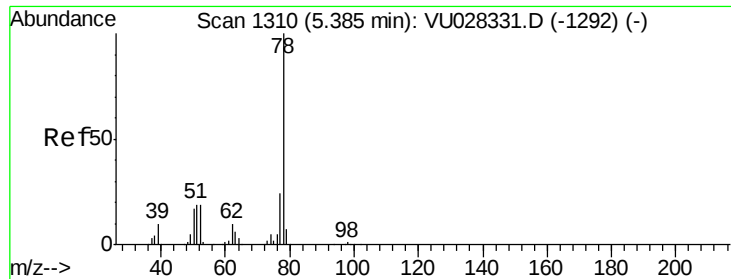
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#34
Propionitrile
Concen: 1.995 ug/l
RT: 4.37 min Scan# 993
Delta R.T. 0.02 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	10.6	16.6	25.0#
55	18.1	12.9	19.3
40	8.5	2.6	4.0#





#35

Benzene

Concen: 0.512 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 78 Resp: 35102

Ion Ratio Lower Upper

78 100

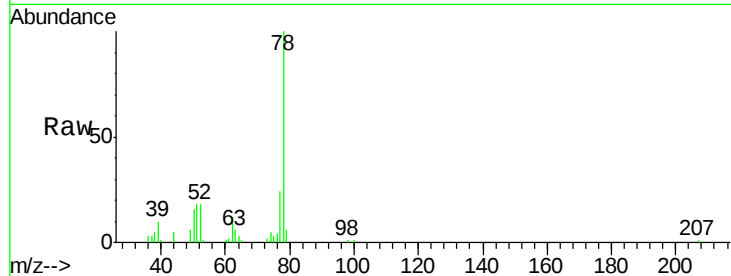
77 24.0 19.5 29.3

Manual Integrations

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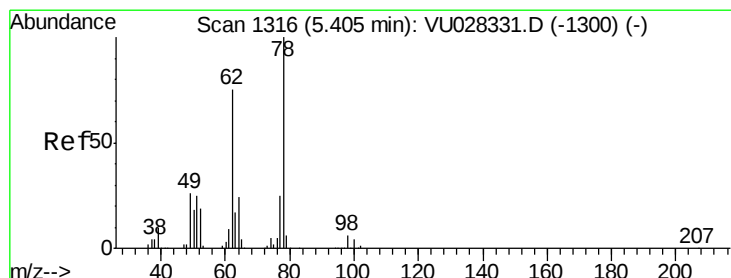
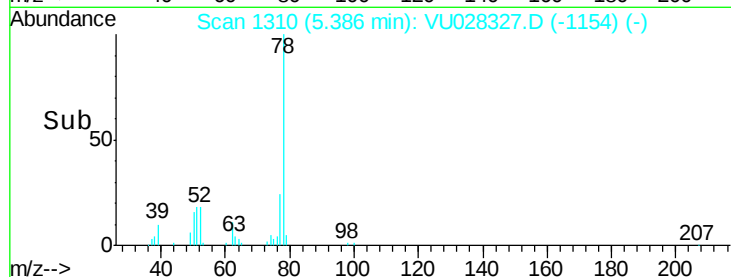
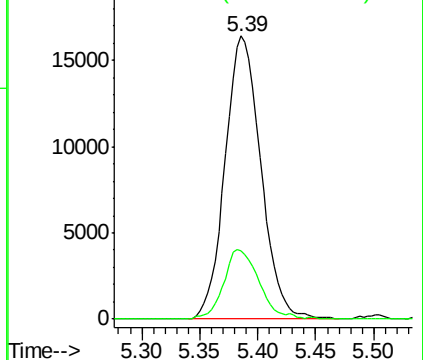
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.537 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028327.D

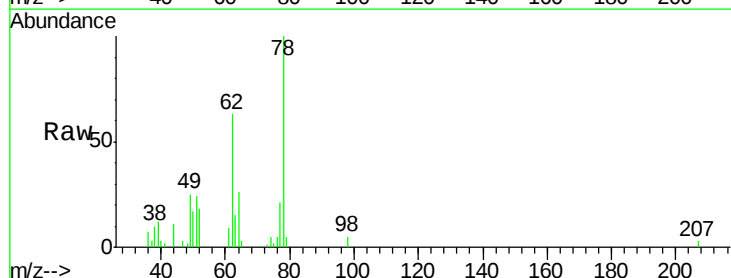
Acq: 26 Nov 2018 09:50

Tgt Ion: 62 Resp: 11028

Ion Ratio Lower Upper

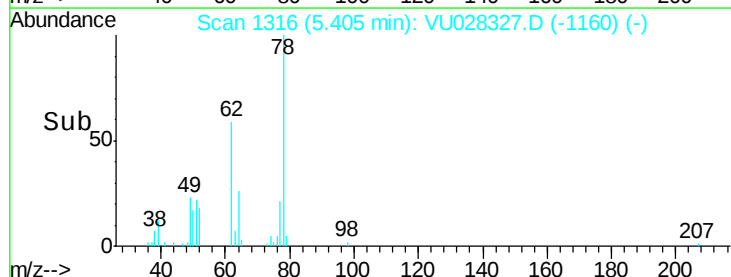
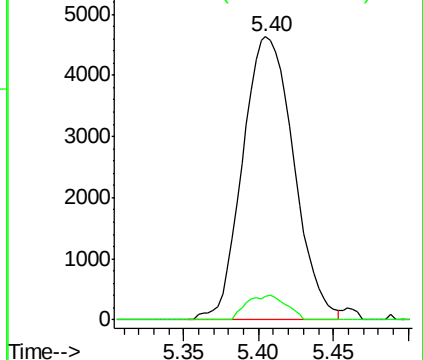
62 100

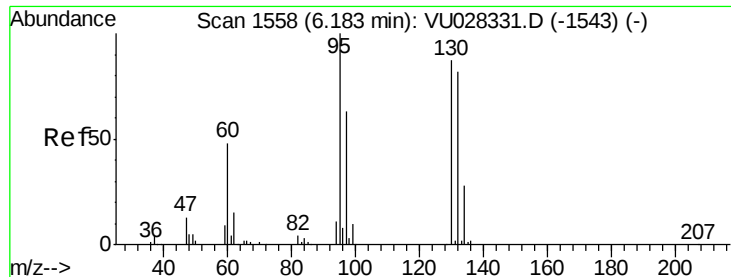
98 6.7 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





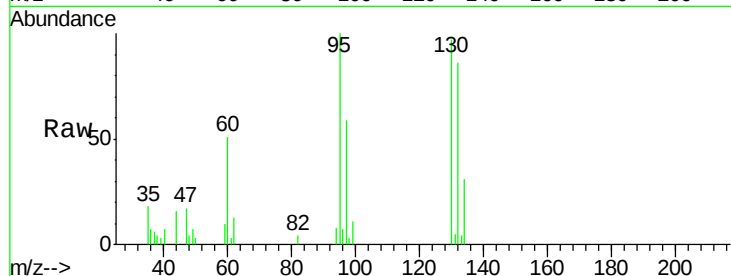
#37
 Trichloroethene
 Concen: 0.523 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

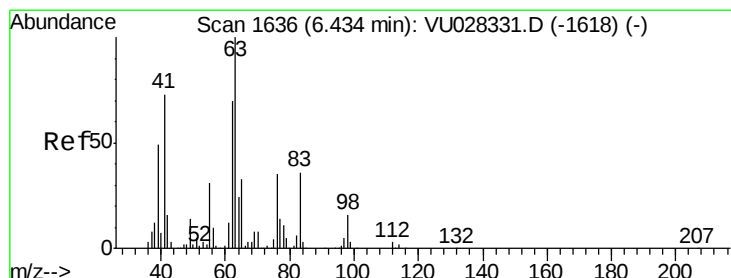
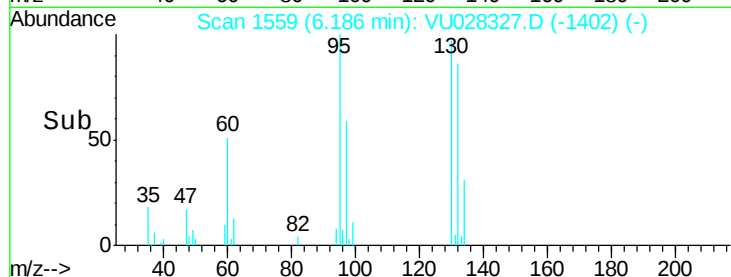
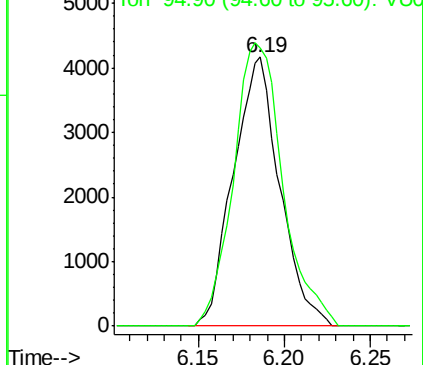
Tgt Ion: 130 Resp: 7817
 Ion Ratio Lower Upper
 130 100
 95 103.4 91.5 137.3

Manual Integrations
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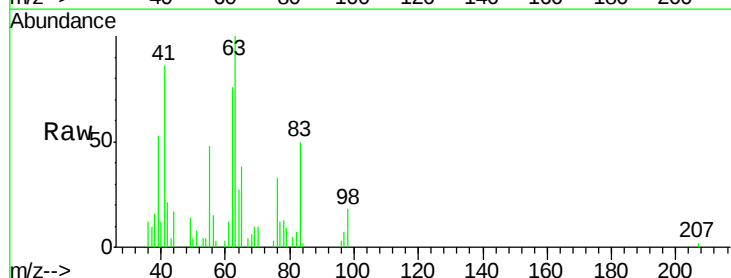


Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)
 Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)

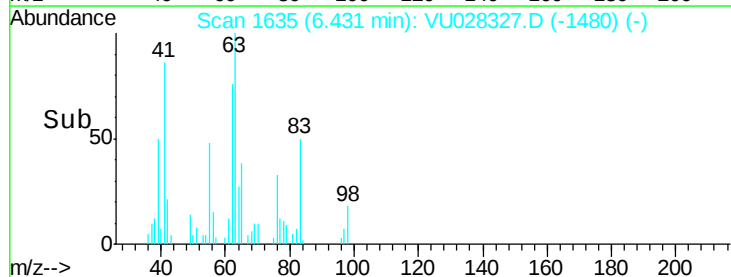
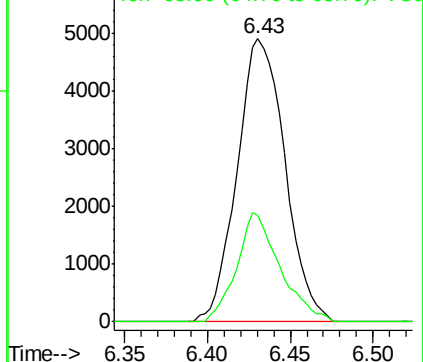


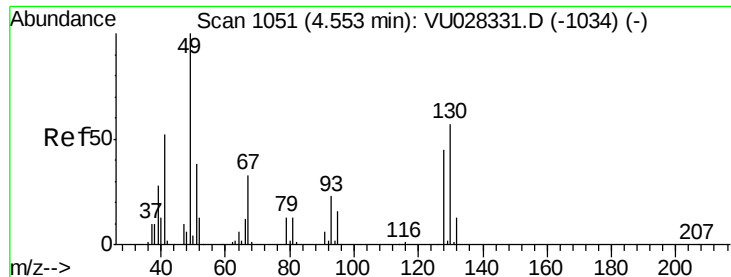
#38
 1,2-Dichloropropane
 Concen: 0.505 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 63 Resp: 9883
 Ion Ratio Lower Upper
 63 100
 65 37.9 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)
 Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)





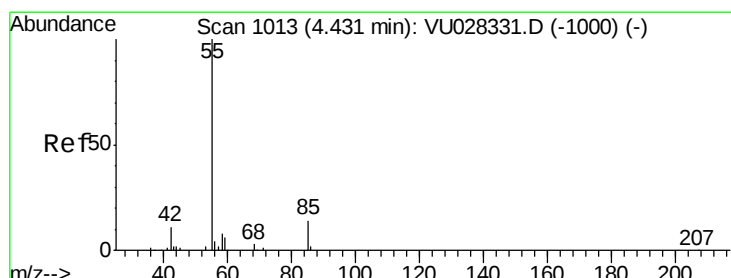
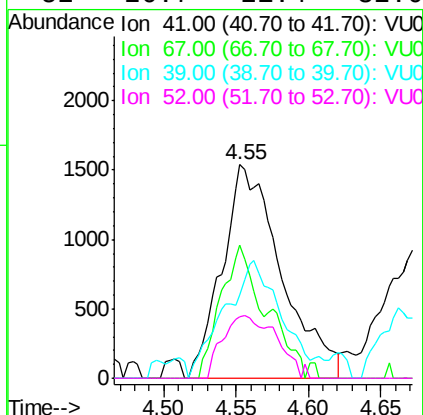
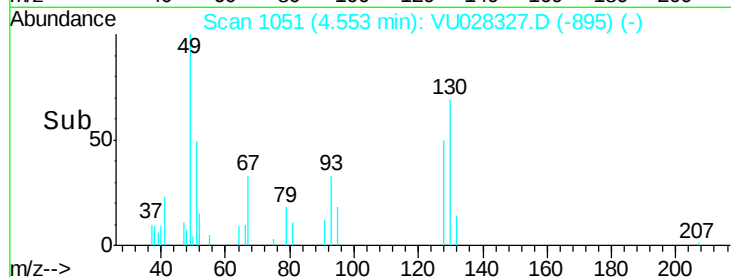
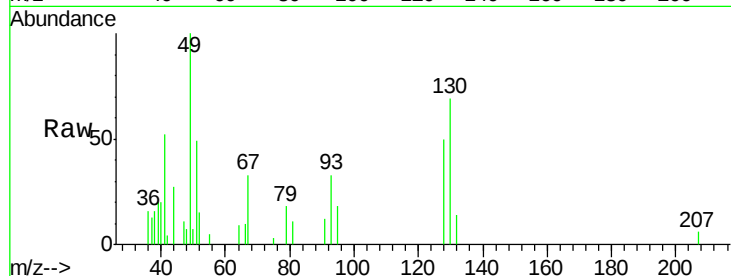
#39
Methacrylonitrile
Concen: 0.571 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
41	100		
67	36.2	48.2	72.4#
39	54.1	42.9	64.3
52	26.7	21.4	32.0

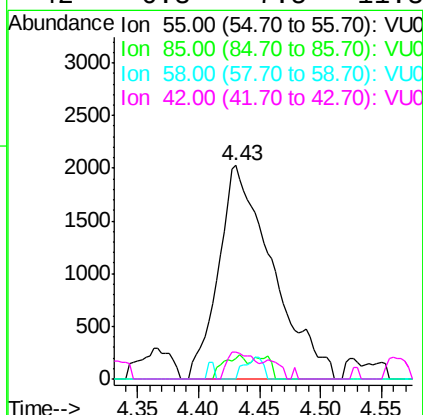
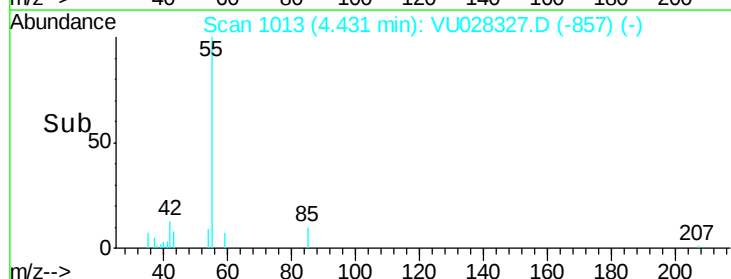
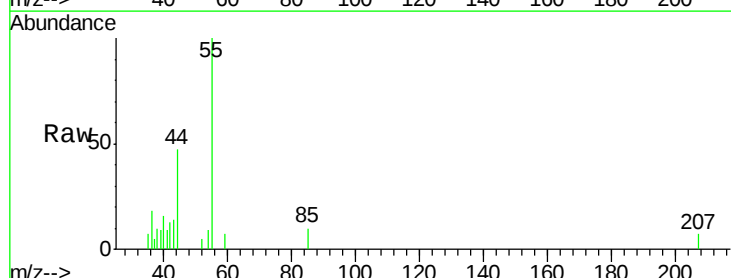
Manual Integrations
APPROVED

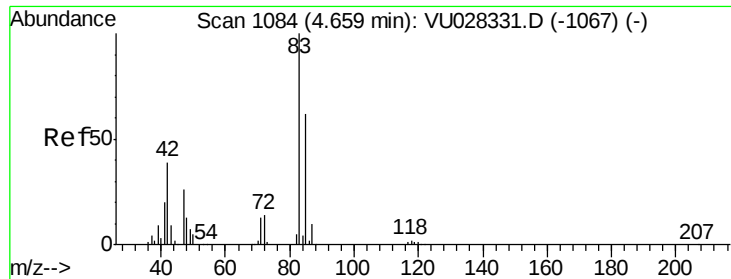
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#40
Methyl acrylate
Concen: 0.590 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	10.9	16.3#
58	3.4	6.4	9.6#
42	6.3	7.5	11.3#





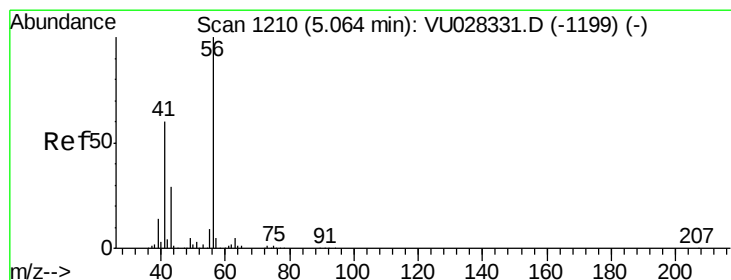
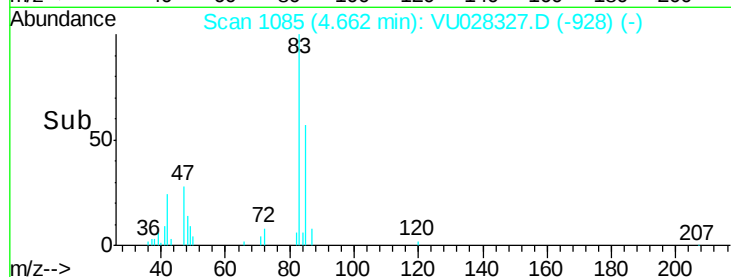
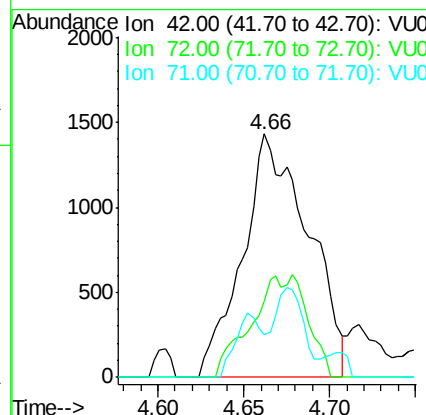
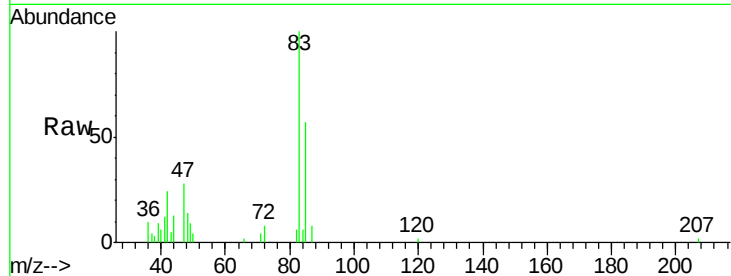
#41
Tetrahydrofuran
Concen: 0.987 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
42	100		
72	20.7	29.8	44.6#
71	16.9	25.9	38.9#

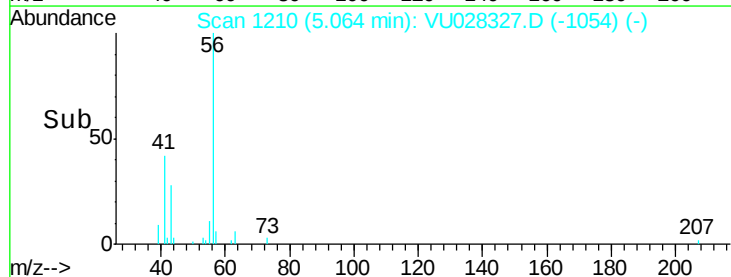
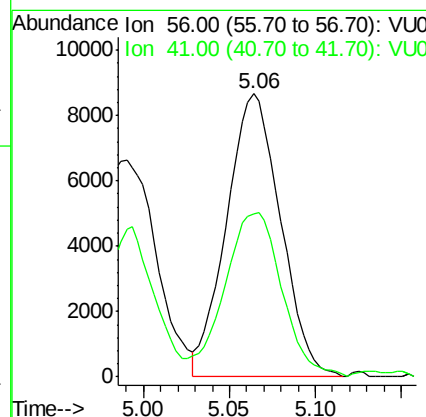
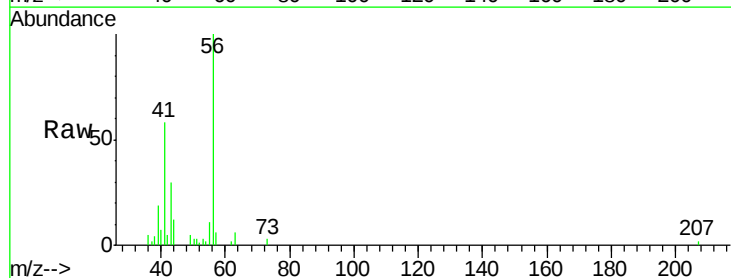
Manual Integrations
APPROVED

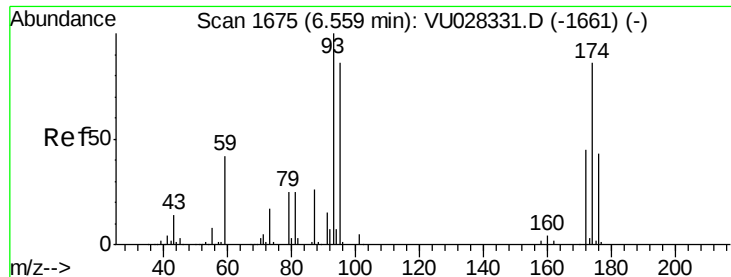
MMDadoda
11/30/2018 1:29:12 PM



#42
1-Chlorobutane
Concen: 0.510 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.7	29.8	89.3





#43

Dibromomethane

Concen: 0.474 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

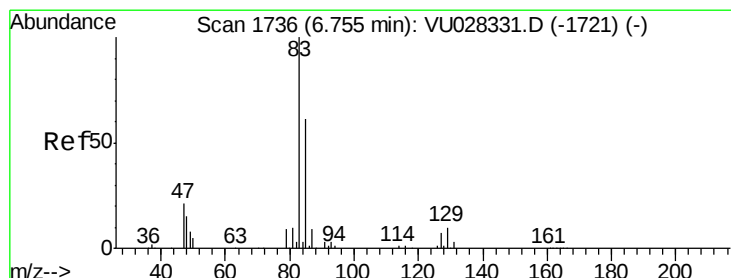
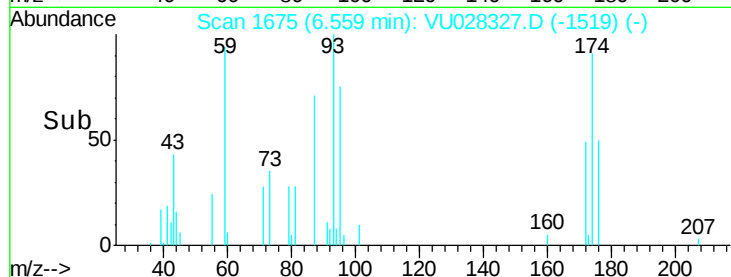
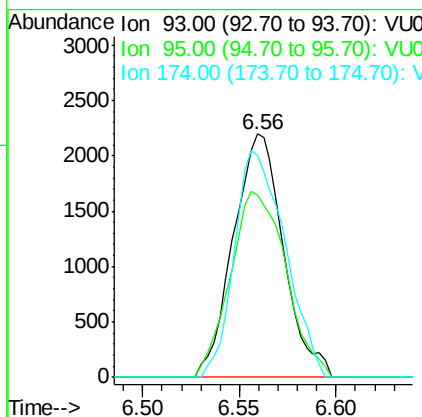
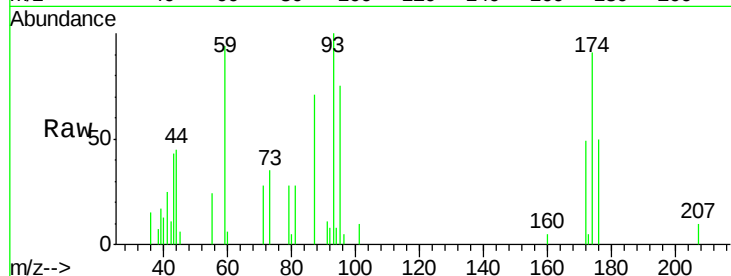
ClientSampleId :

VSTDIC0.5

Tgt Ion:	93	Resp:	3949
Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.6	99.8
174	94.0	69.4	104.2

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#44

Bromodichloromethane

Concen: 0.507 ug/l

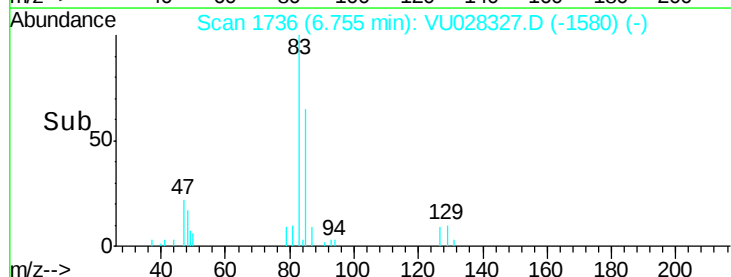
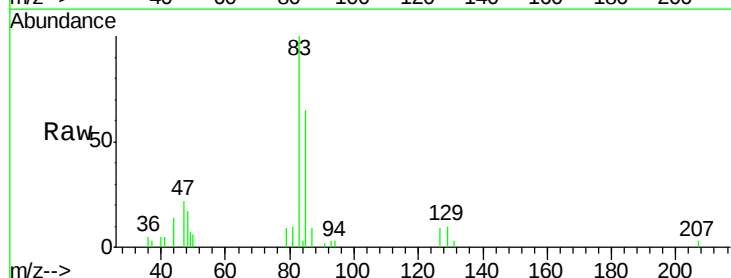
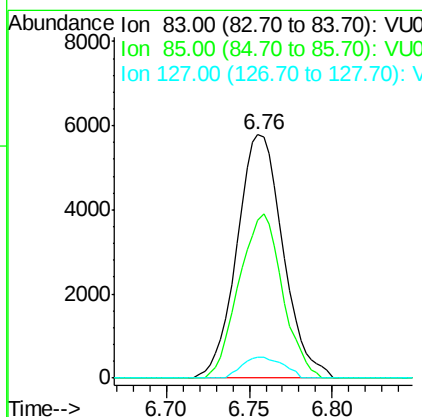
RT: 6.76 min Scan# 1736

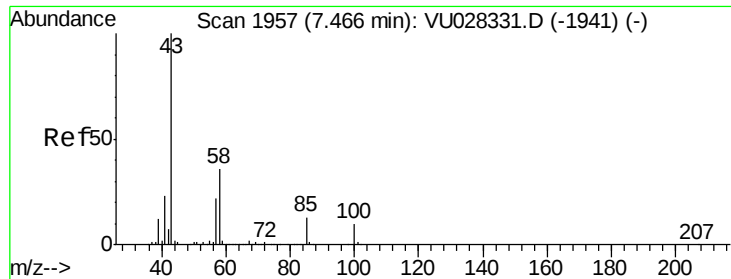
Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Tgt Ion:	83	Resp:	11148
Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.0	73.6
127	8.7	5.7	8.5#





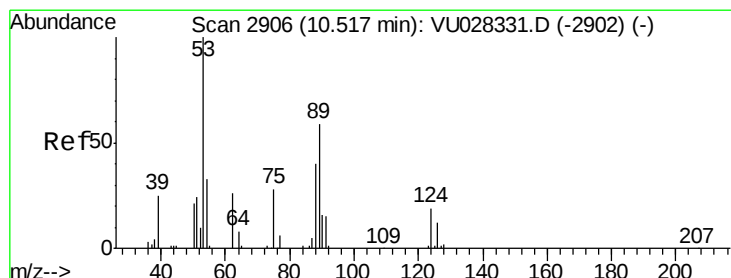
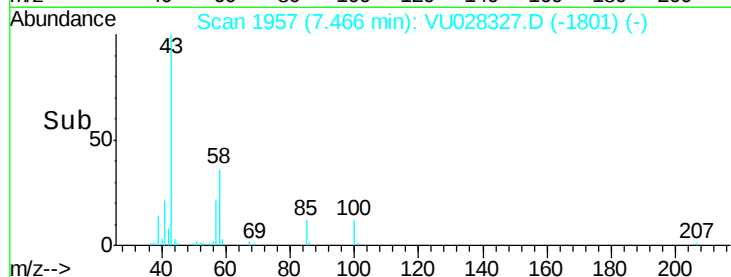
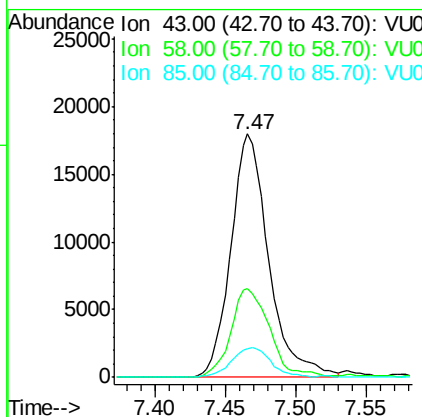
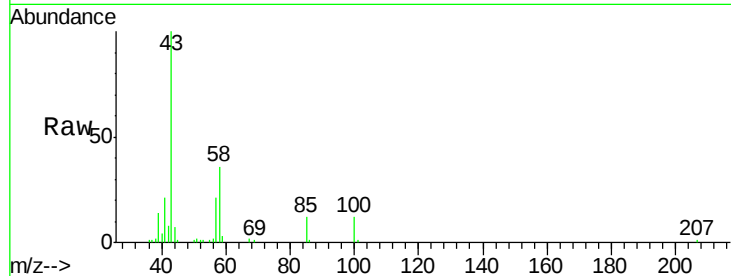
#45
 4-Methyl-2-Pentanone
 Concen: 2.526 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.4	17.9	53.7
85	12.8	10.8	16.2

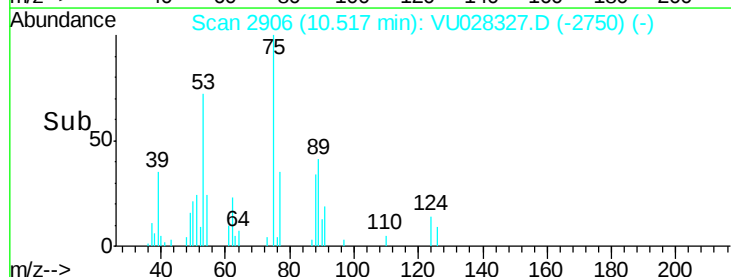
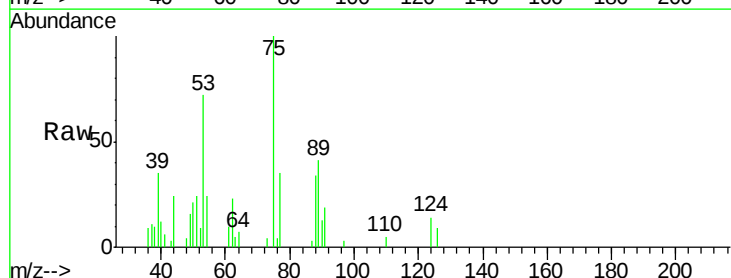
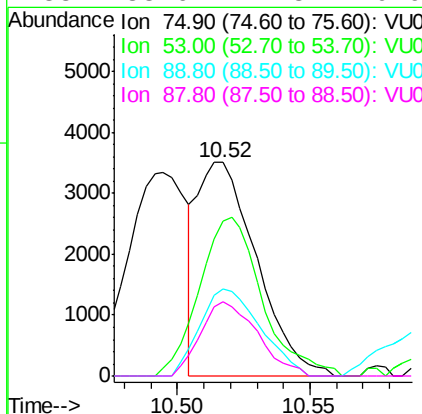
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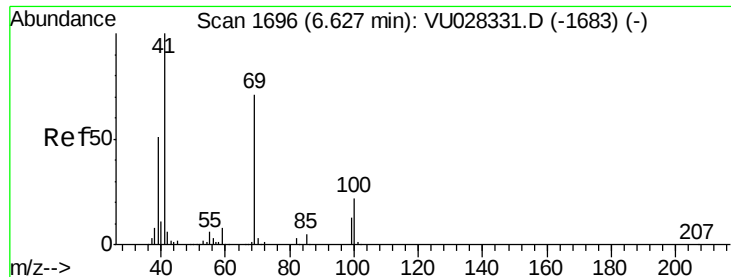
MMDadoda
 11/30/2018 1:29:12 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 1.123 ug/l m
 RT: 10.52 min Scan# 2906
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.3	65.0	97.6
89	42.1	38.6	58.0
88	33.6	27.3	40.9





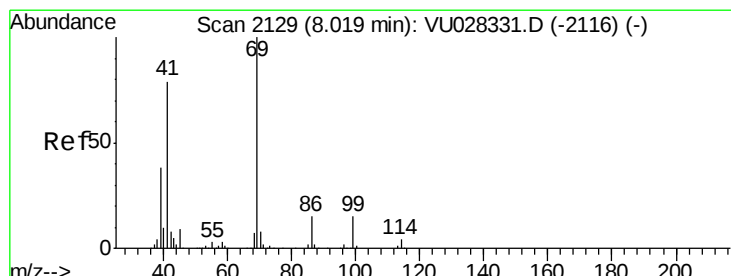
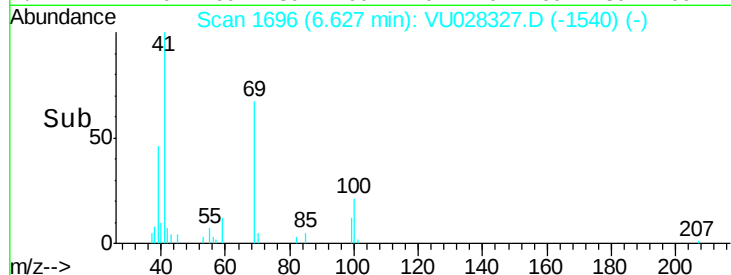
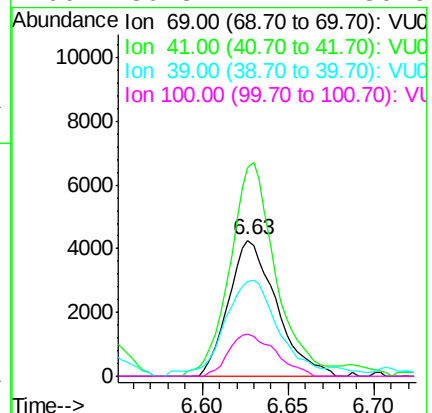
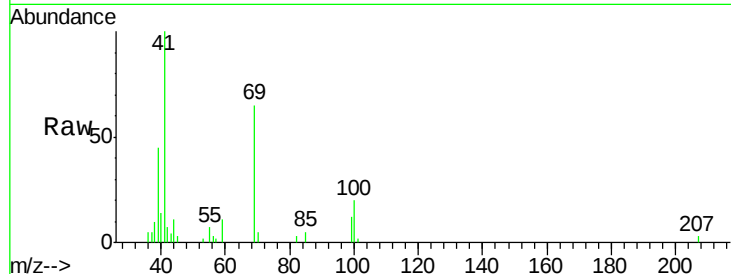
#47
Methyl methacrylate
Concen: 0.973 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 8276
Ion Ratio Lower Upper
69 100
41 150.6 0.0 277.2
39 79.9 57.6 86.4
100 30.3 24.4 36.6

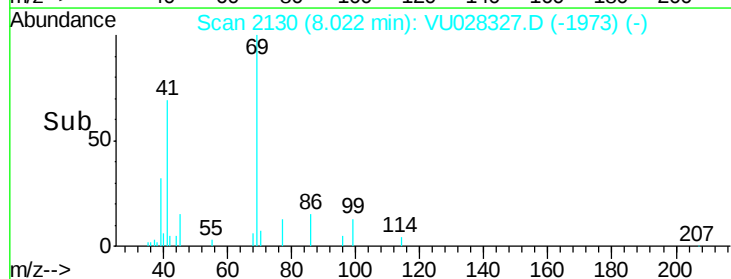
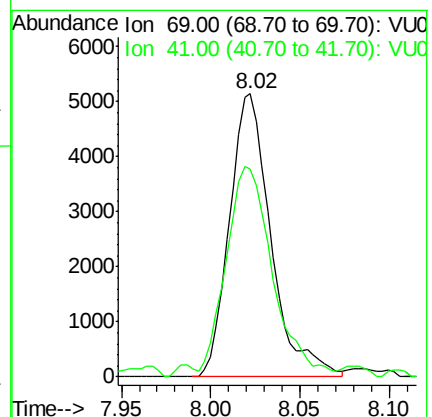
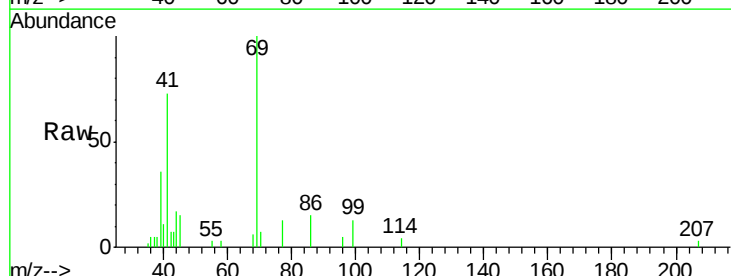
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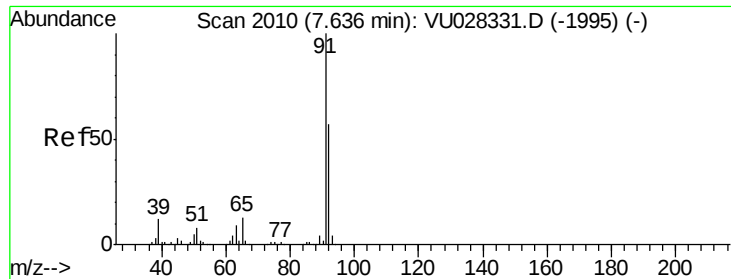
MMDadoda
11/30/2018 1:29:12 PM



#48
Ethyl methacrylate
Concen: 0.487 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 69 Resp: 8290
Ion Ratio Lower Upper
69 100
41 83.4 39.4 118.2





#49

Toluene

Concen: 0.496 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 18920

Ion Ratio Lower Upper

92 100

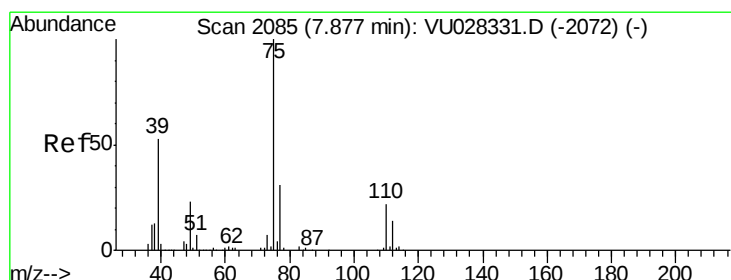
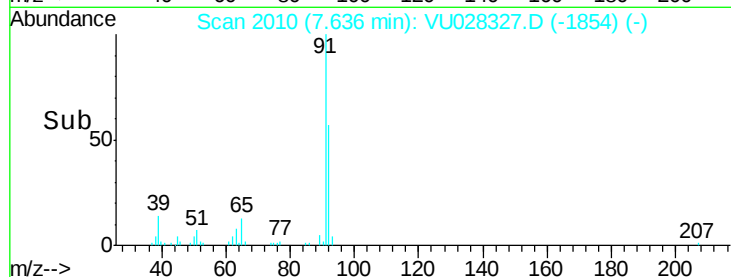
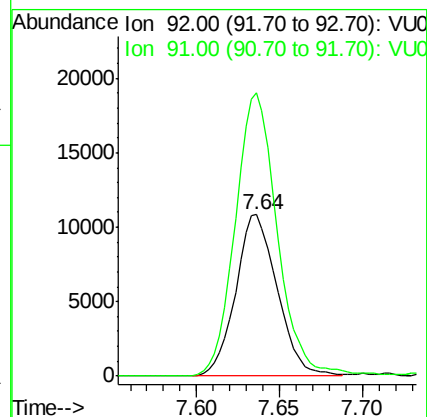
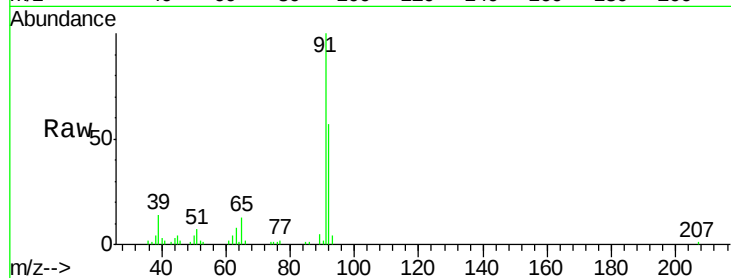
91 176.9 141.5 212.3

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11/30/2018 1:29:12 PM



#50

t-1,3-Dichloropropene

Concen: 0.499 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028327.D

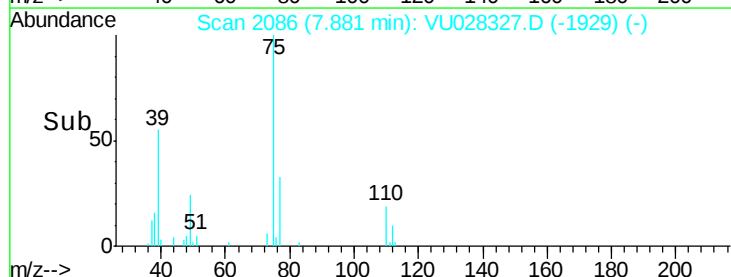
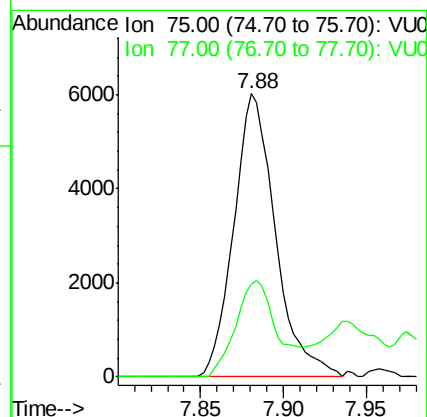
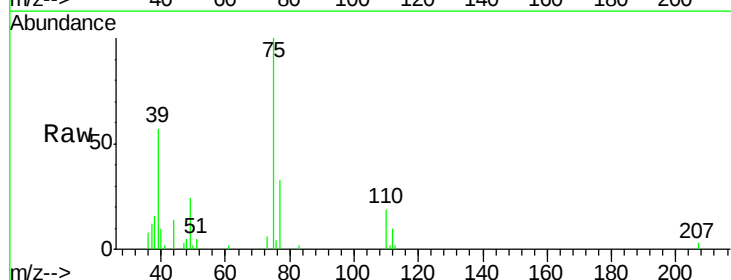
Acq: 26 Nov 2018 09:50

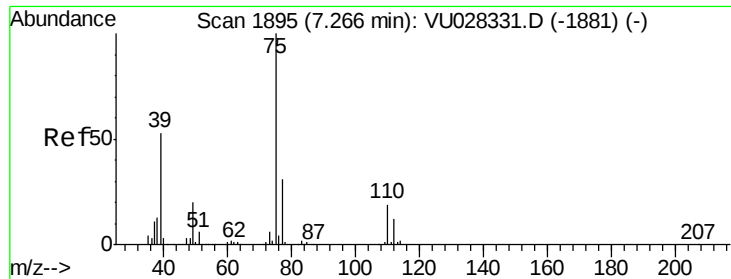
Tgt Ion: 75 Resp: 10540

Ion Ratio Lower Upper

75 100

77 32.8 24.7 37.1





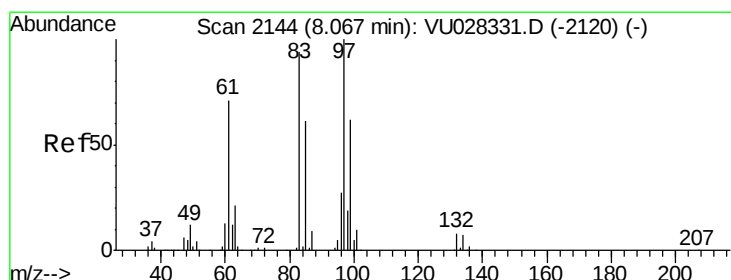
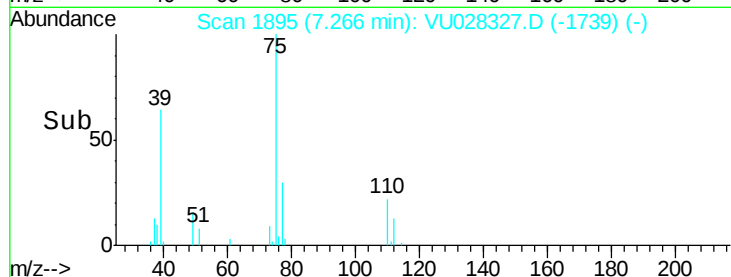
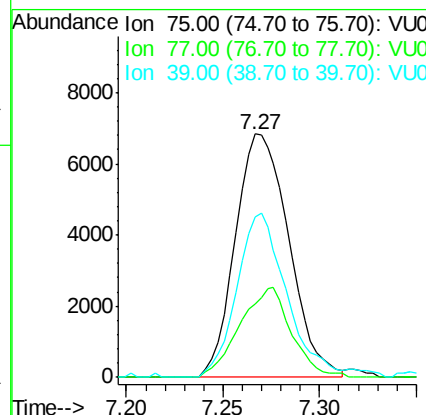
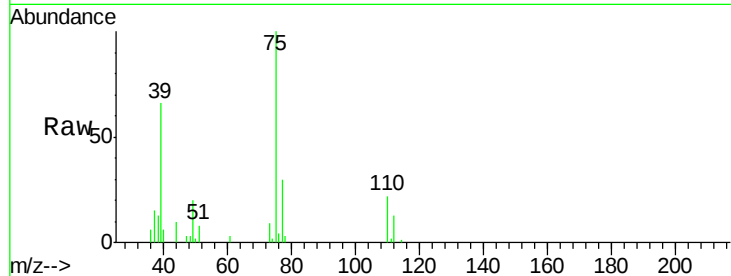
#51
 cis-1,3-Dichloropropene
 Concen: 0.505 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.4	36.6
39	66.0	42.8	64.2#

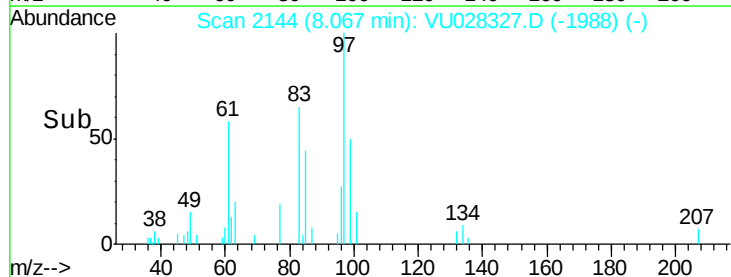
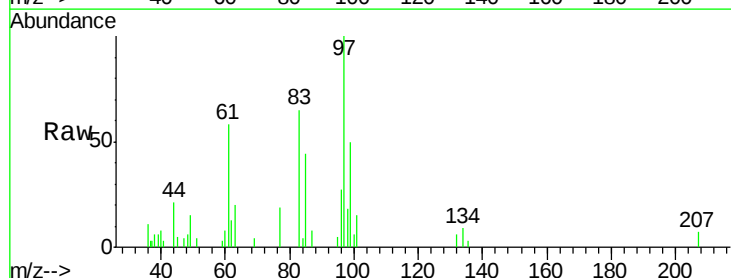
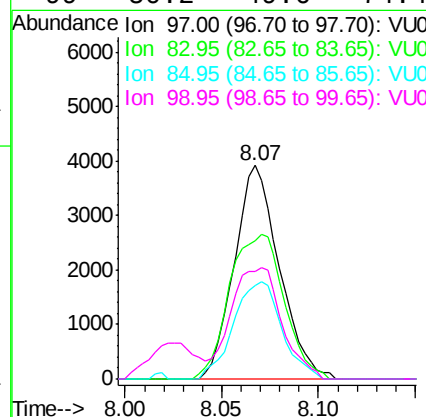
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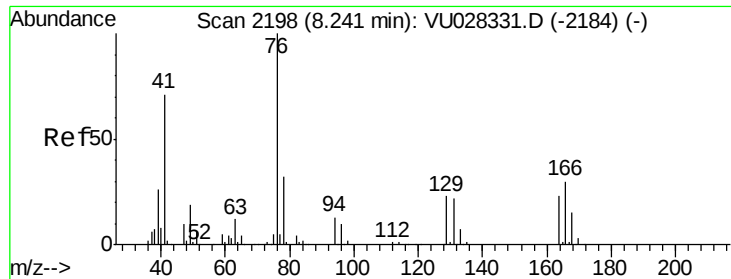
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#52
 1,1,2-Trichloroethane
 Concen: 0.540 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	64.9	75.1	112.7#
85	43.9	48.7	73.1#
99	50.2	49.6	74.4





#53

1,3-Dichloropropane

Concen: 0.513 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 76 Resp: 11207

Ion Ratio Lower Upper

76 100

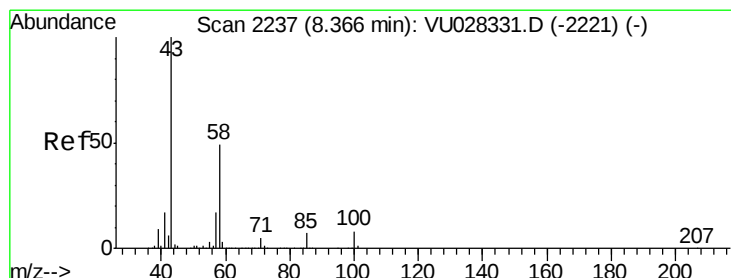
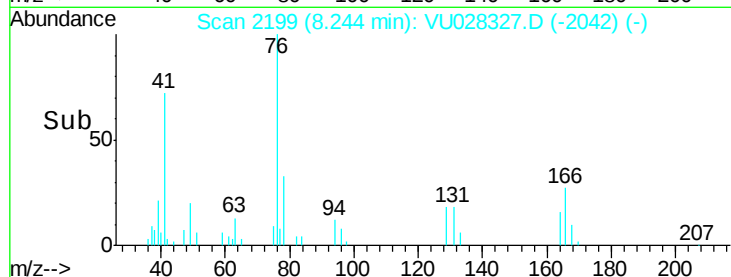
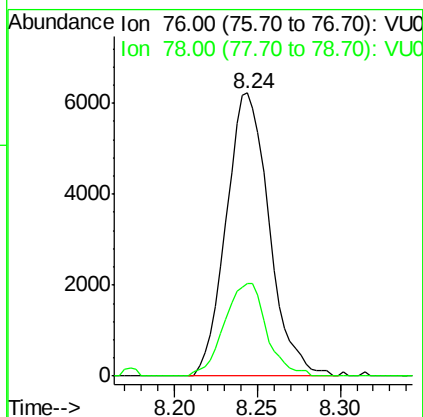
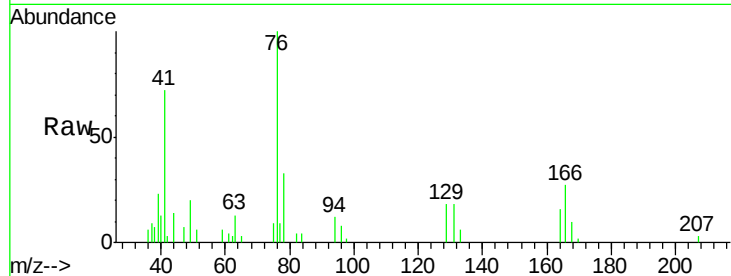
78 32.1 25.4 38.0

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11/30/2018 1:29:12 PM



#54

2-Hexanone

Concen: 2.700 ug/l

RT: 8.37 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

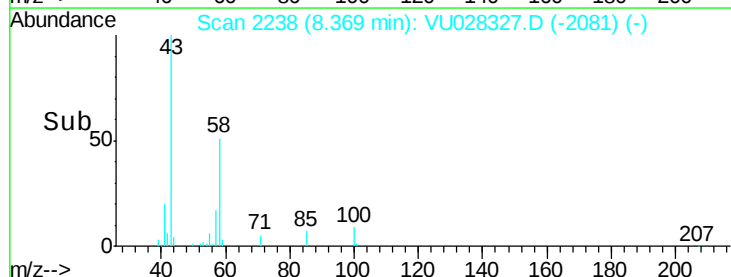
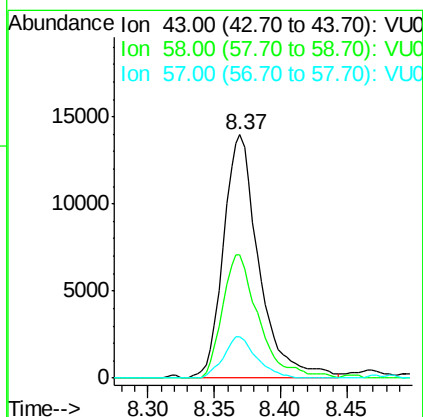
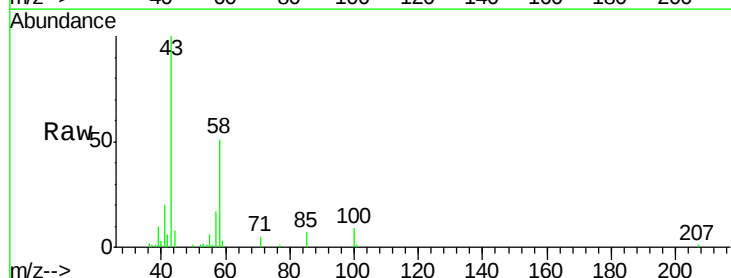
Tgt Ion: 43 Resp: 25991

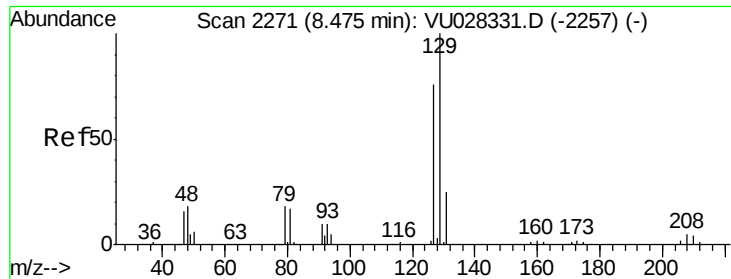
Ion Ratio Lower Upper

43 100

58 51.8 29.3 69.3

57 15.7 0.0 36.8





#55

Dibromochloromethane

Concen: 0.491 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:129 Resp: 6106

Ion Ratio Lower Upper

129 100

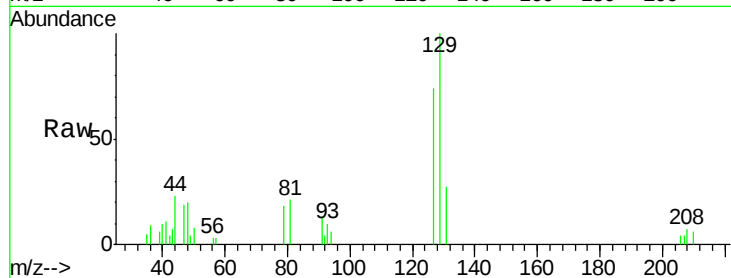
127 78.3 61.0 91.4

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

4000

3000

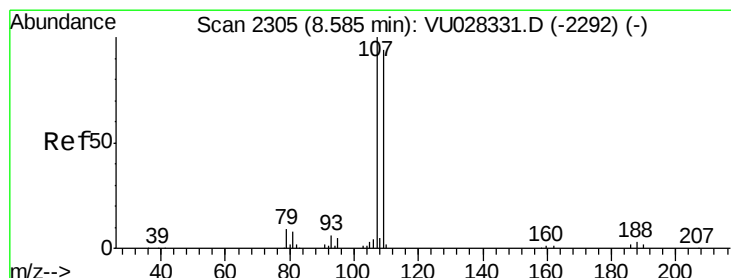
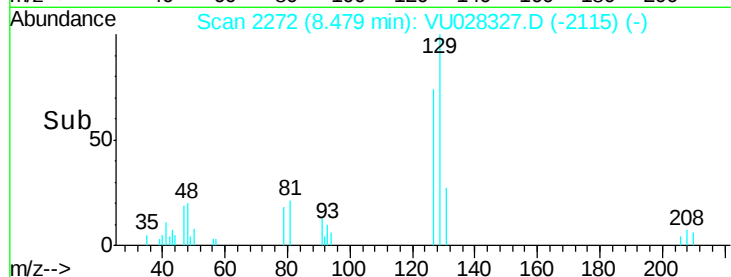
2000

1000

0

8.45 8.50

Time-->



#56

1,2-Dibromoethane

Concen: 0.523 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028327.D

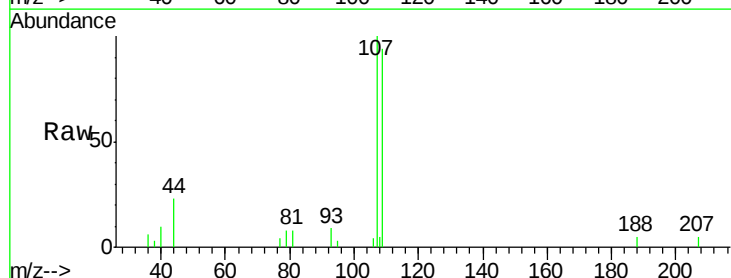
Acq: 26 Nov 2018 09:50

Tgt Ion:107 Resp: 5568

Ion Ratio Lower Upper

107 100

109 95.4 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

3000

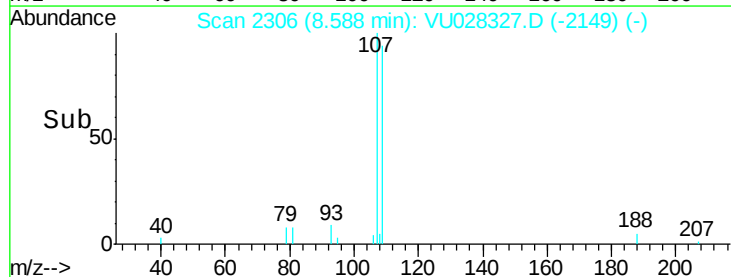
2000

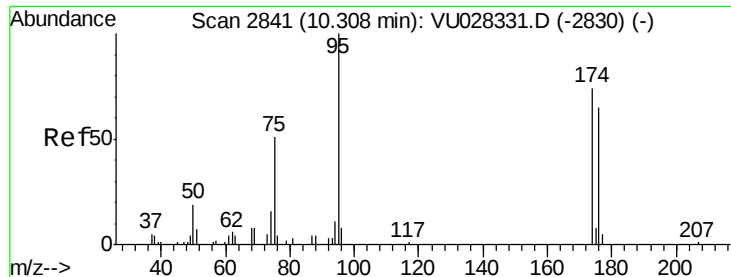
1000

0

8.55 8.60

Time-->





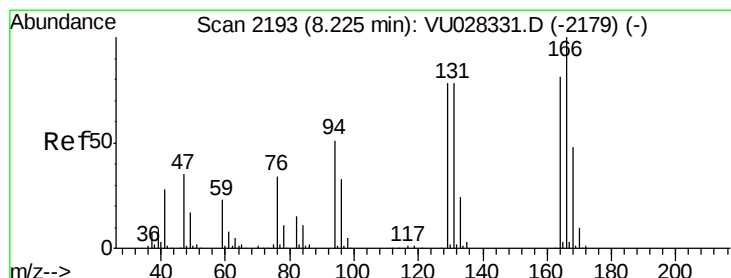
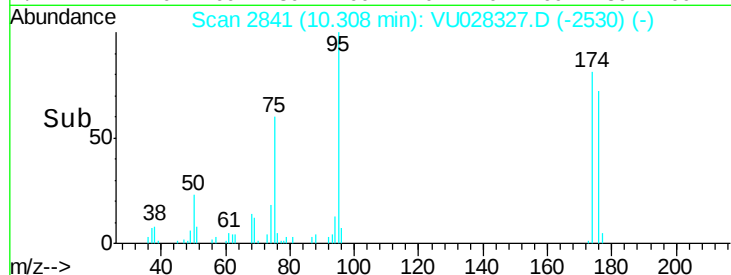
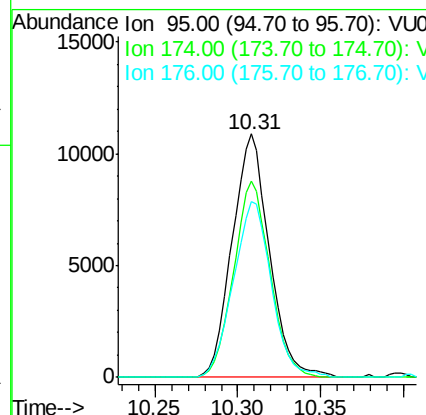
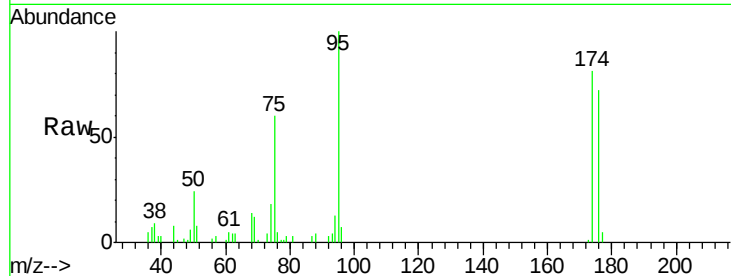
#57
4-Bromofluorobenzene
Concen: 0.523 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	16915		
174	79.0	59.3	88.9	
176	74.1	54.3	81.5	

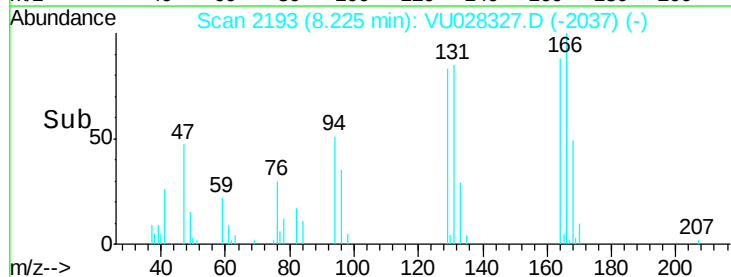
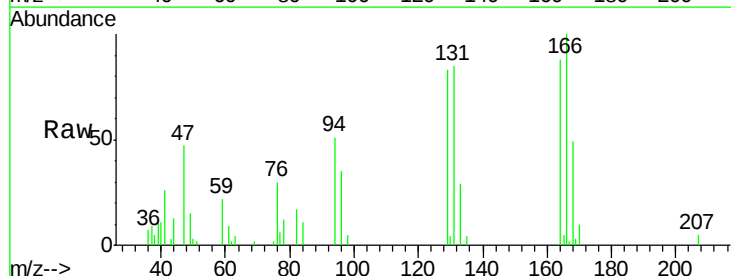
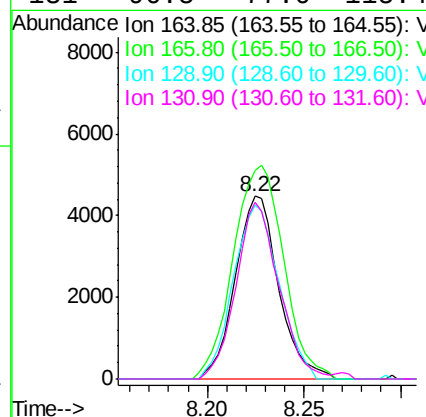
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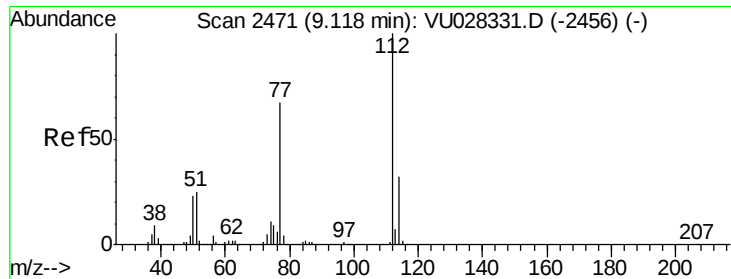
MMDadoda
11/30/2018 1:29:12 PM



#58
Tetrachloroethene
Concen: 0.511 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	6989		
166	114.2	98.6	148.0	
129	95.1	77.0	115.4	
131	96.5	77.0	115.4	





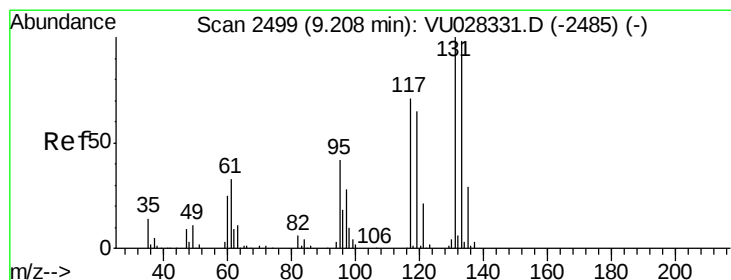
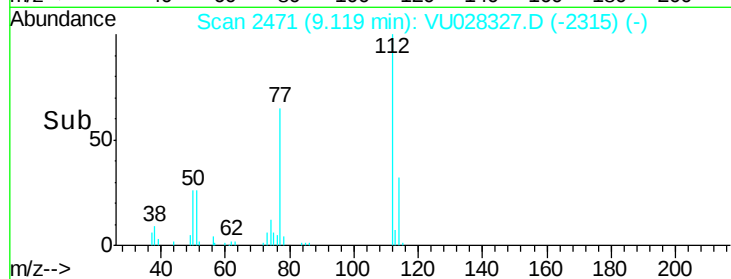
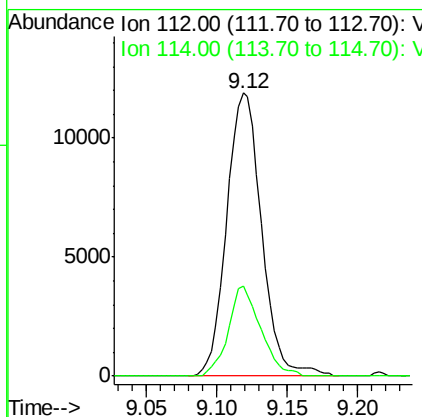
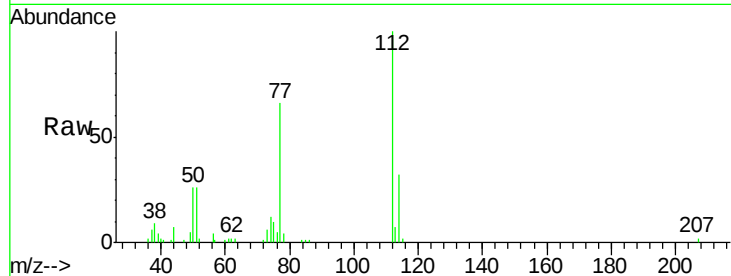
#59
Chlorobenzene
Concen: 0.519 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 20585
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8

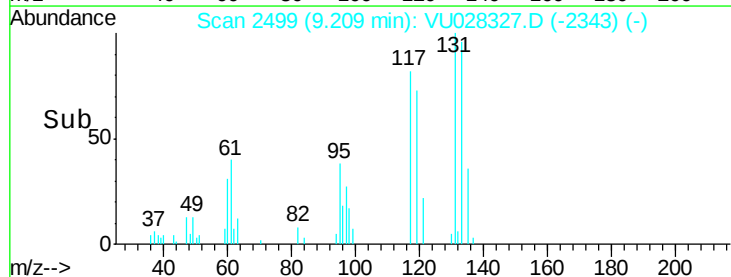
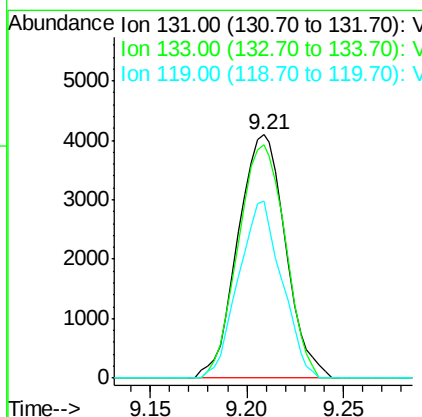
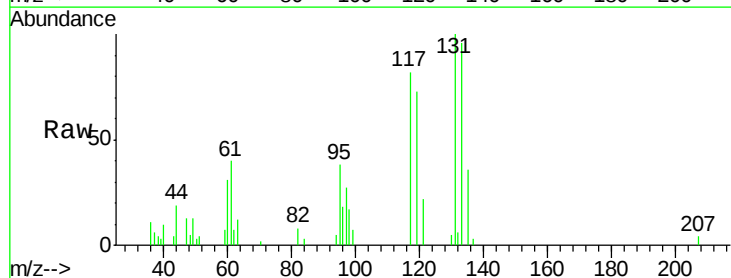
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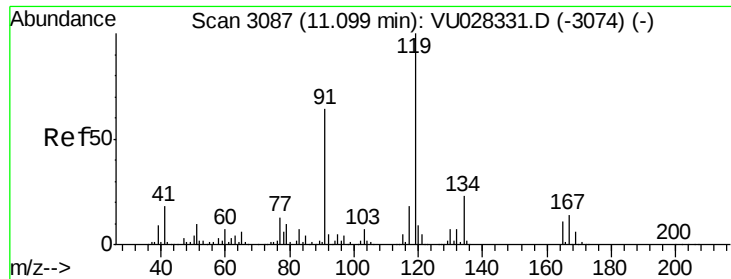
MMDadoda
11/30/2018 1:29:12 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.523 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:131 Resp: 7031
Ion Ratio Lower Upper
131 100
133 94.6 77.7 116.5
119 66.1 54.3 81.5





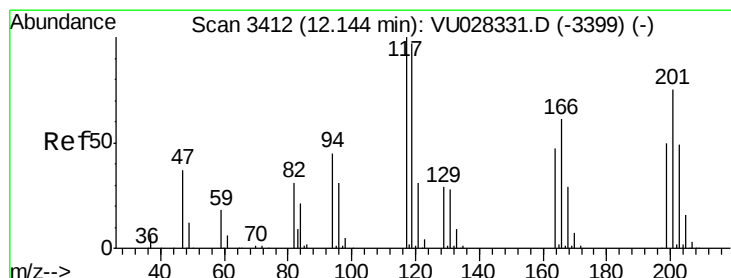
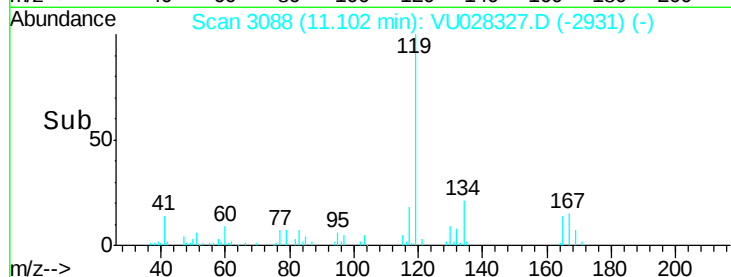
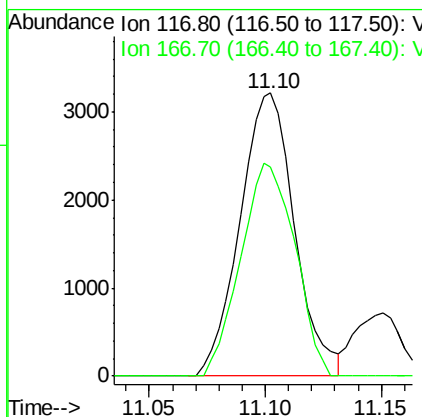
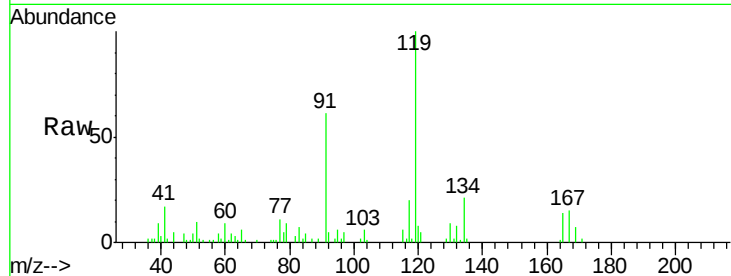
#61
 Pentachloroethane
 Concen: 0.503 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:117 Resp: 5258
 Ion Ratio Lower Upper
 117 100
 167 74.9 64.2 96.2

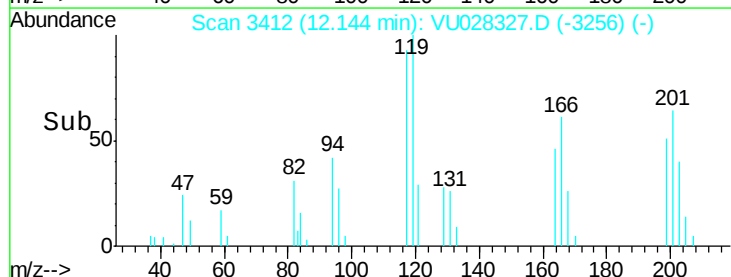
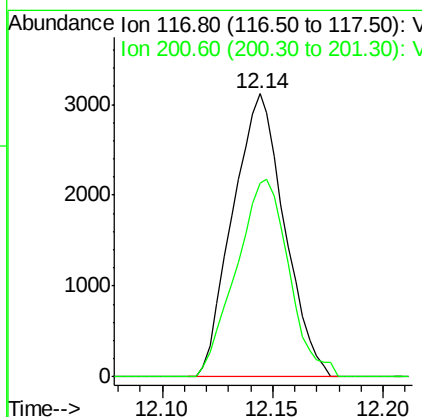
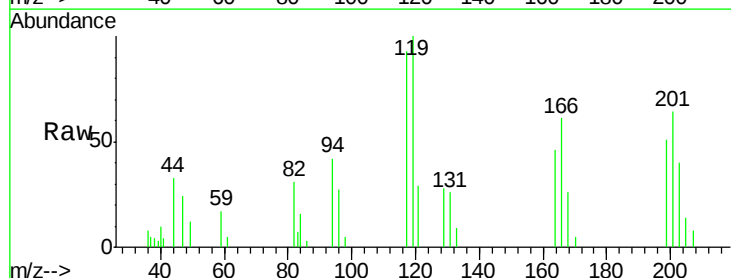
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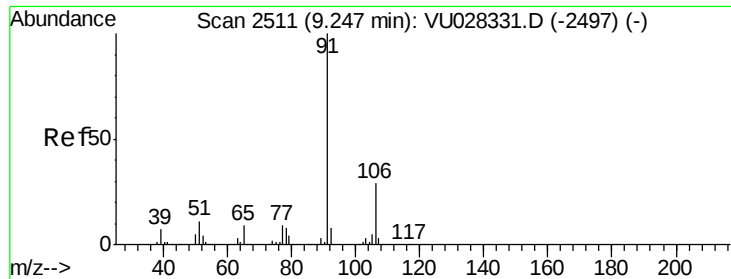
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#62
 Hexachloroethane
 Concen: 0.517 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion:117 Resp: 5063
 Ion Ratio Lower Upper
 117 100
 201 71.2 59.4 89.2





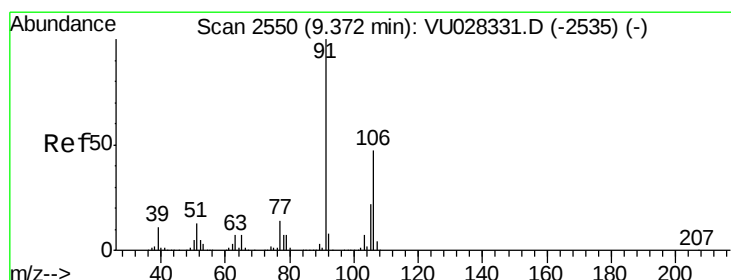
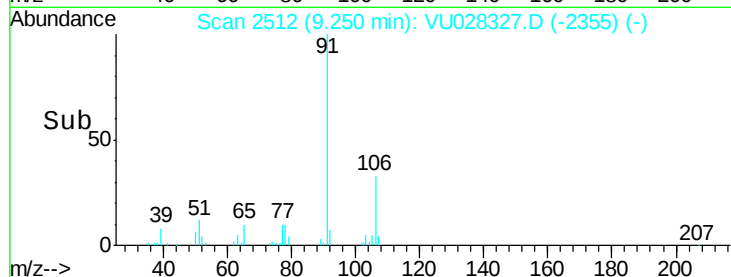
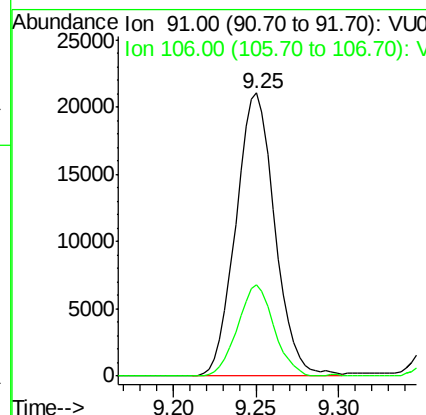
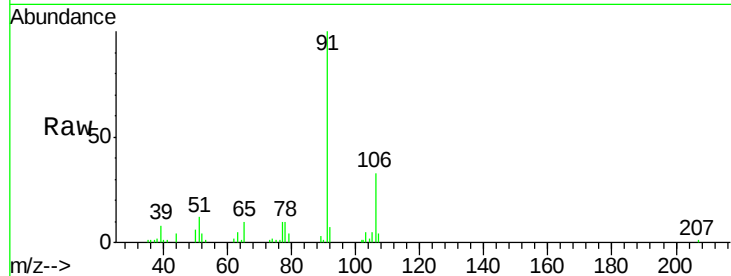
#63
Ethyl Benzene
Concen: 0.471 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 34451
Ion Ratio Lower Upper
91 100
106 32.5 23.4 35.2

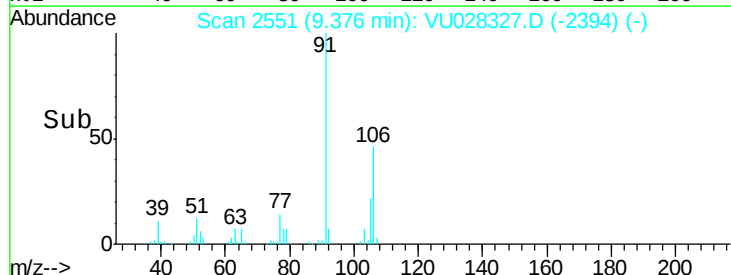
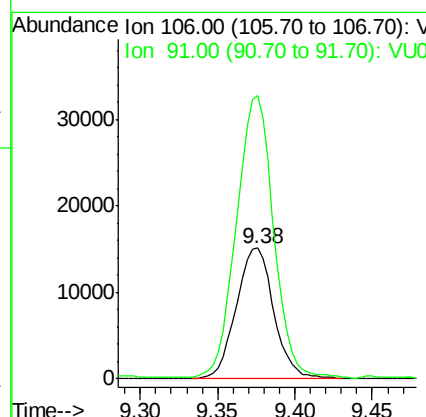
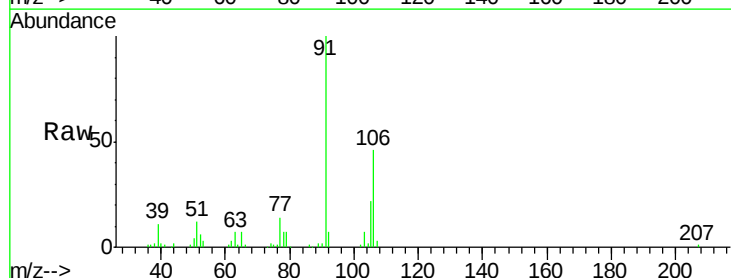
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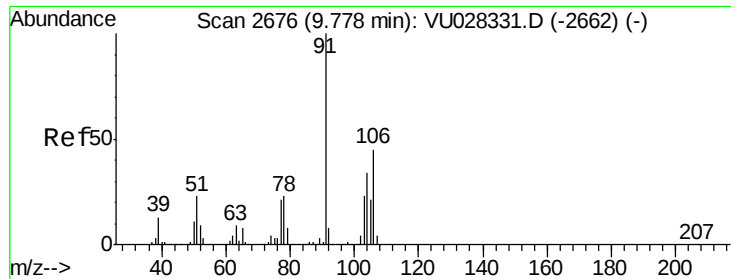
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11/30/2018 1:29:12 PM



#64
m/p-Xylenes
Concen: 0.962 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 106 Resp: 25487
Ion Ratio Lower Upper
106 100
91 215.8 170.6 256.0





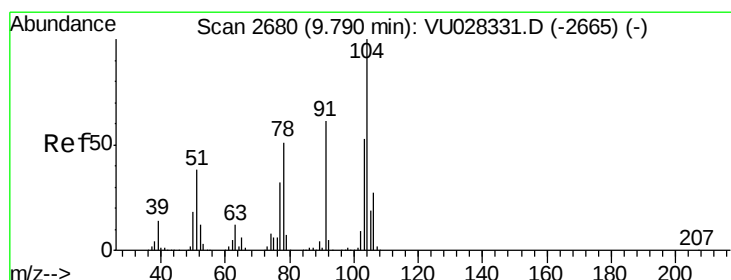
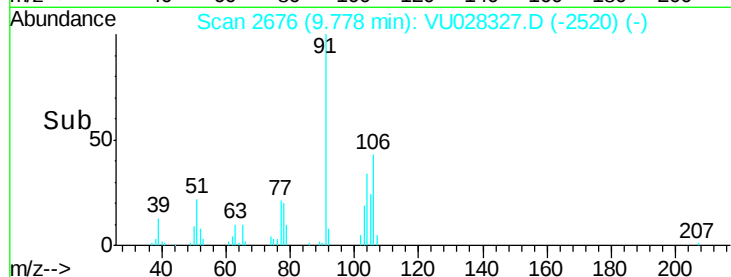
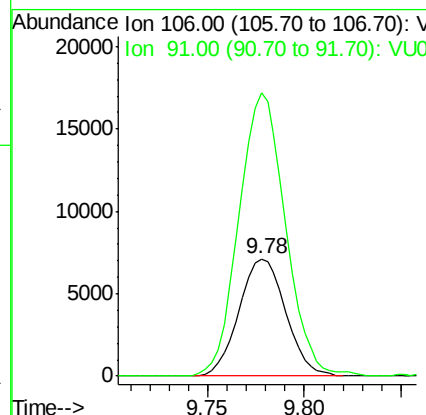
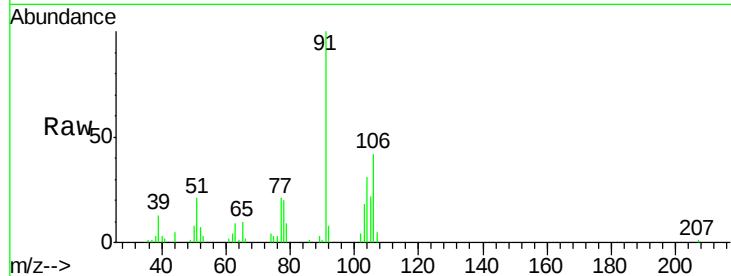
#65
o-Xylene
Concen: 0.468 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 11963
Ion Ratio Lower Upper
106 100
91 239.8 112.3 337.0

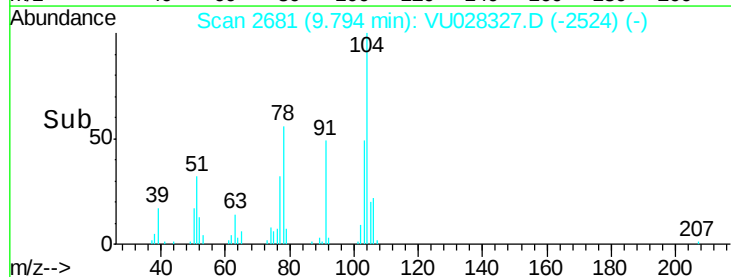
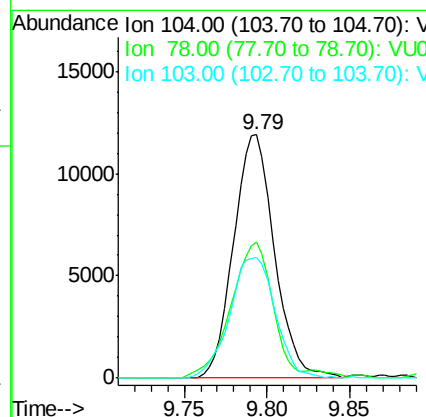
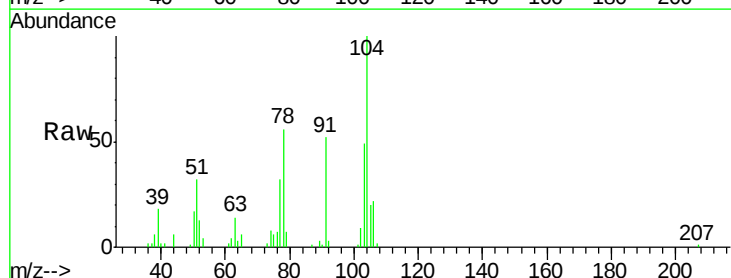
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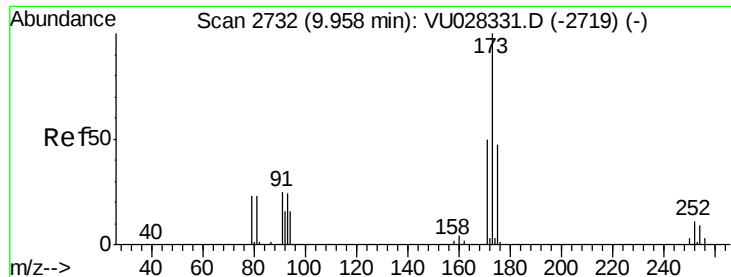
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11/30/2018 1:29:12 PM



#66
Styrene
Concen: 0.466 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:104 Resp: 20437
Ion Ratio Lower Upper
104 100
78 56.6 44.0 66.0
103 55.4 45.2 67.8





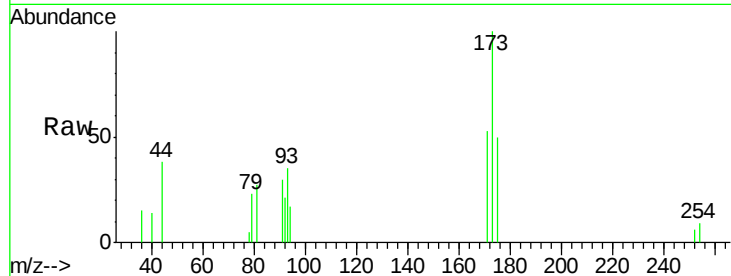
#67
Bromoform
Concen: 0.514 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

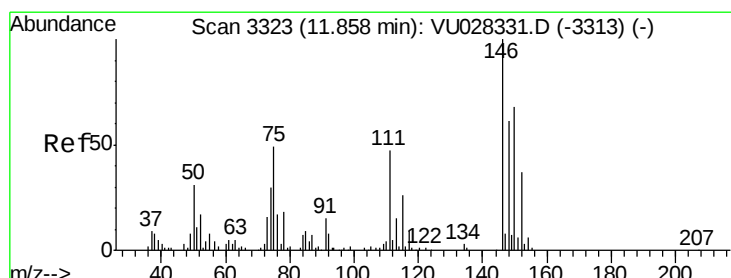
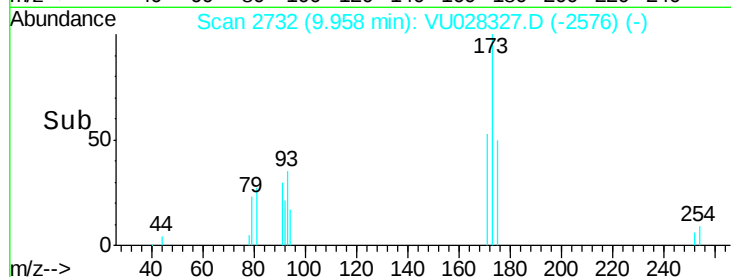
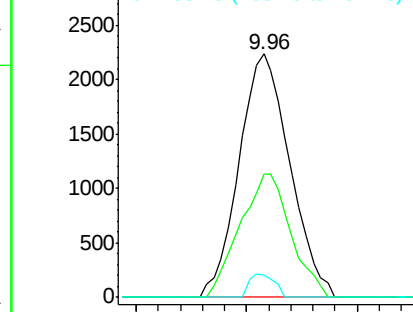
Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.5	39.0	58.6
254	4.7	6.8	10.2

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11/30/2018 1:29:12 PM



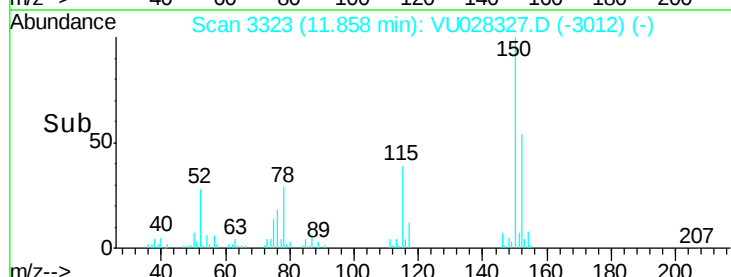
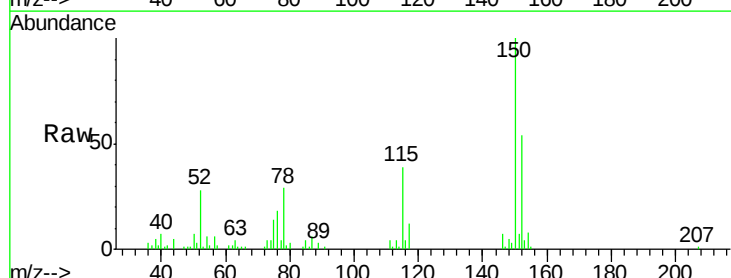
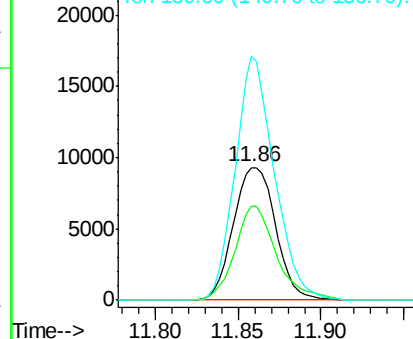
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

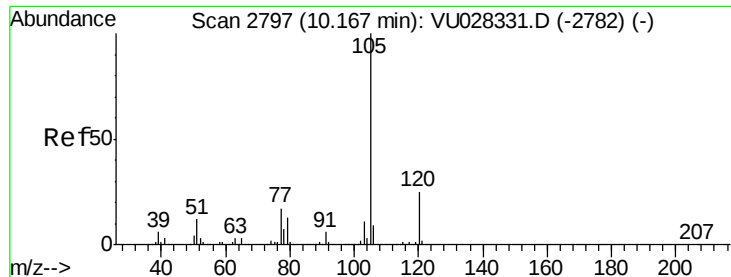


#68
1,2-Dichlorobenzene-d4
Concen: 0.514 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.6	0.0	146.8
150	170.0	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: 0.479 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 32769

Ion Ratio Lower Upper

105 100

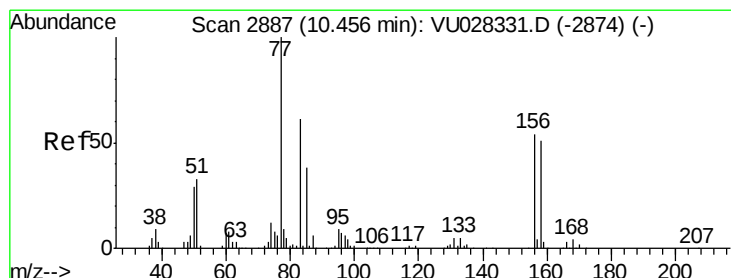
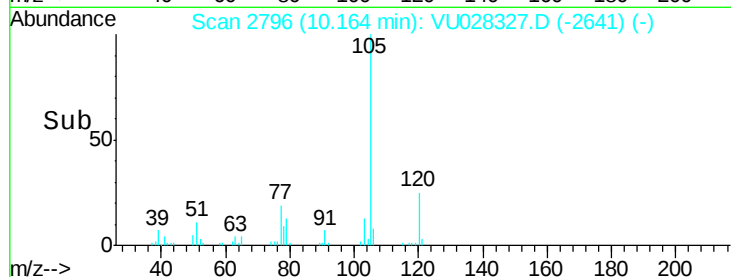
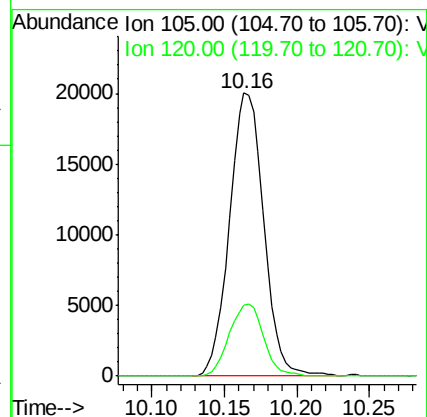
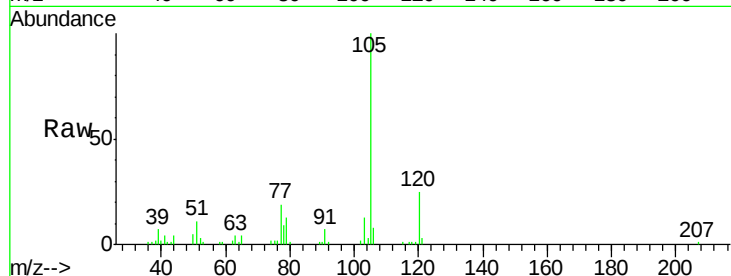
120 25.4 12.6 37.6

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11/30/2018 1:29:12 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 0.516 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

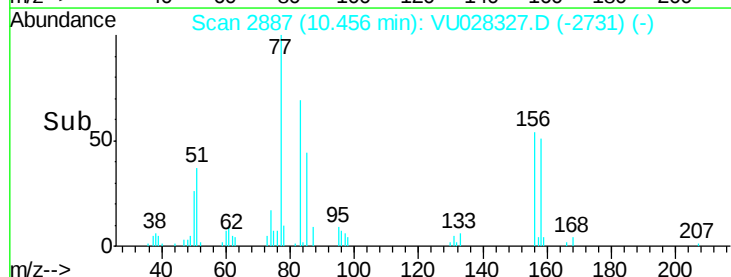
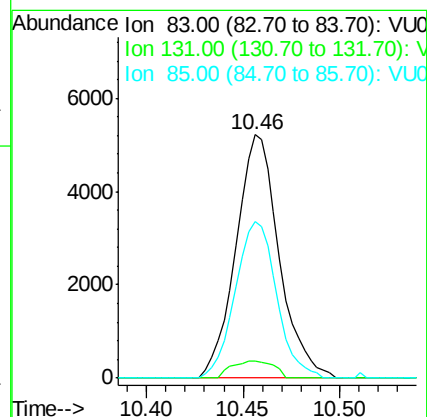
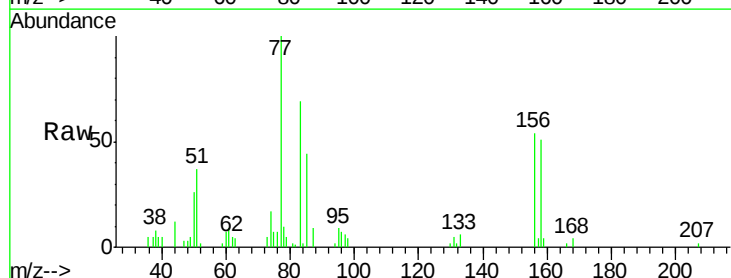
Tgt Ion: 83 Resp: 8102

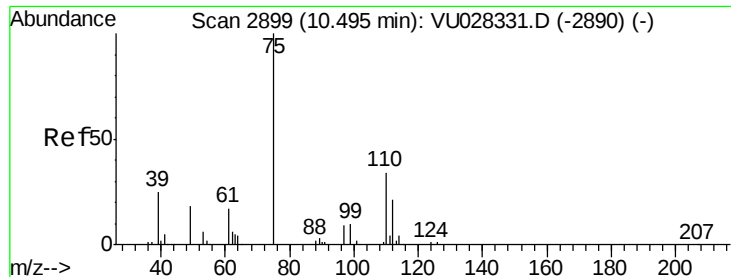
Ion Ratio Lower Upper

83 100

131 6.9 6.6 9.8

85 61.7 50.5 75.7





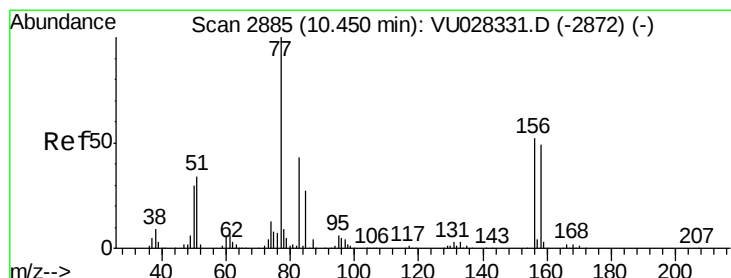
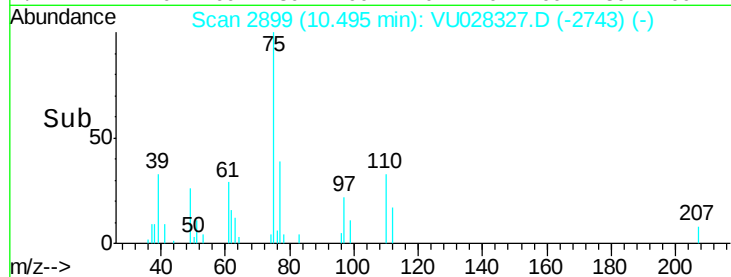
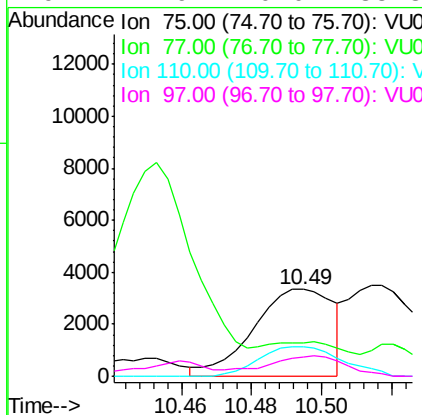
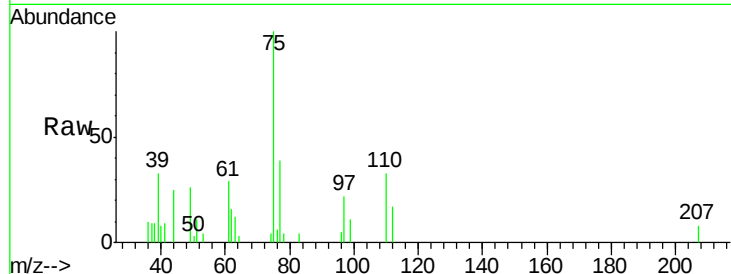
#71
1,2,3-Trichloropropane
Concen: 0.490 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
77	22.2	0.0	0.0#
110	35.1	0.0	67.6
97	21.9	0.0	35.8

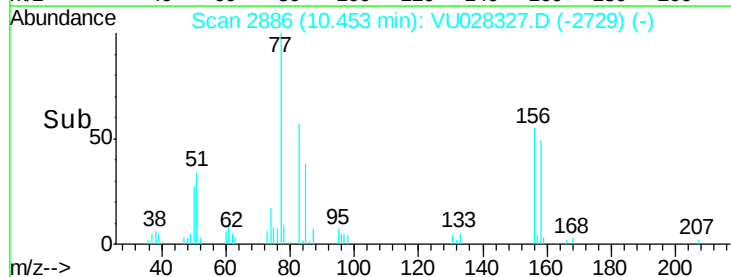
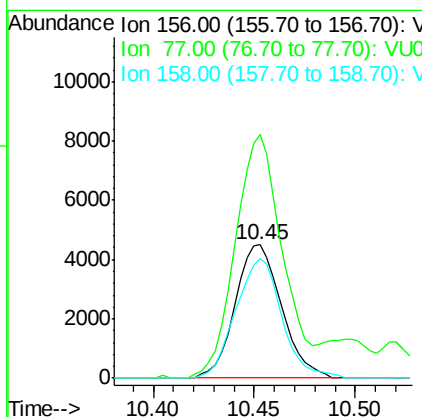
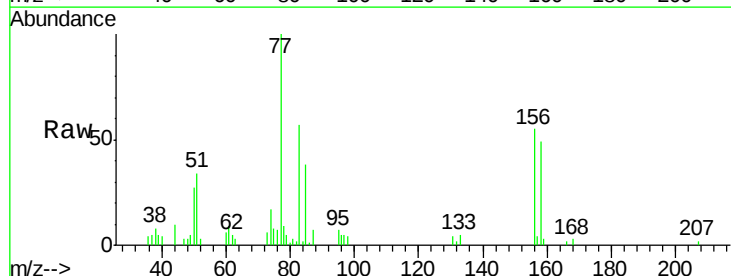
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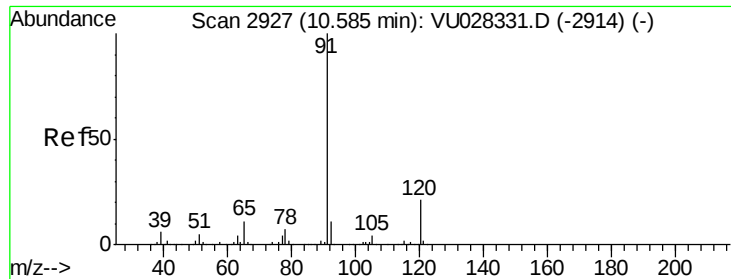
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#72
Bromobenzene
Concen: 0.477 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.1	0.0	380.4
158	89.3	0.0	191.2





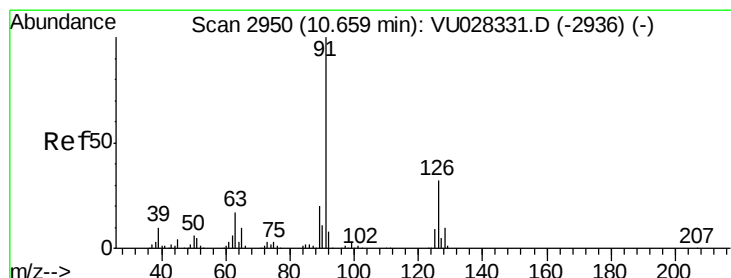
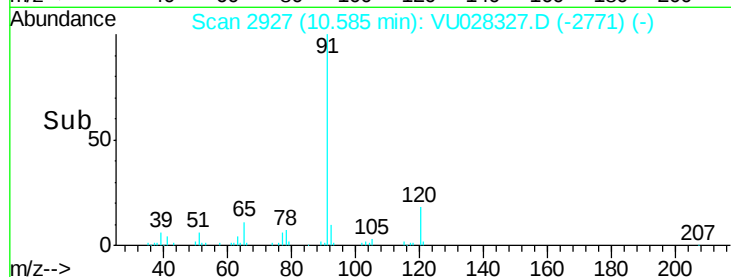
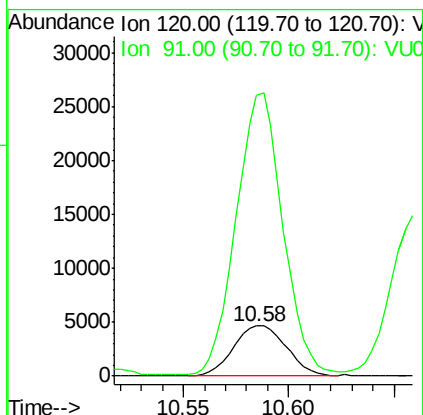
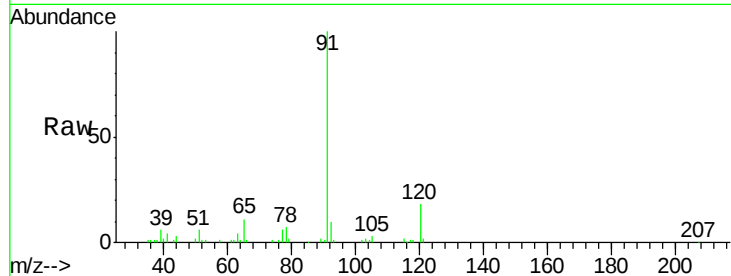
#73
n-propylbenzene
Concen: 0.456 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:120 Resp: 8095
Ion Ratio Lower Upper
120 100
91 499.3 388.1 582.1

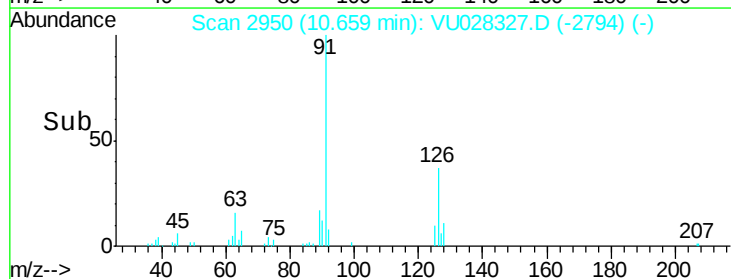
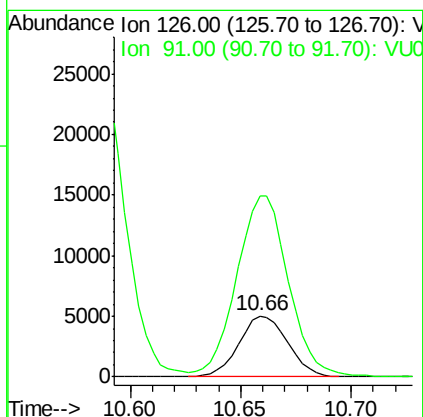
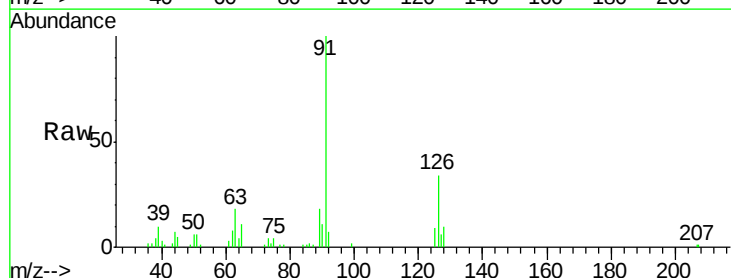
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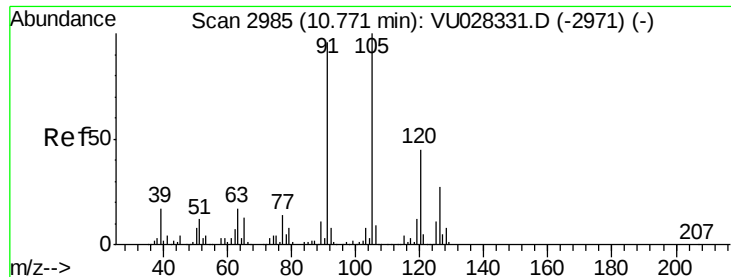
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11/30/2018 1:29:12 PM



#74
2-Chlorotoluene
Concen: 0.495 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:126 Resp: 7690
Ion Ratio Lower Upper
126 100
91 316.9 0.0 661.0





#75

1,3,5-Trimethylbenzene

Concen: 0.474 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 27287

Ion Ratio Lower Upper

105 100

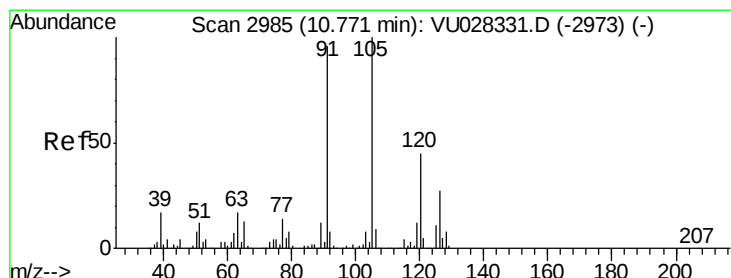
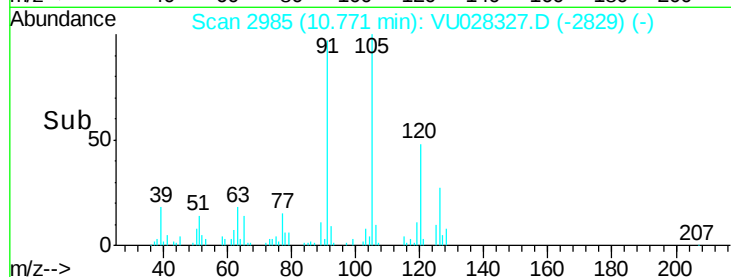
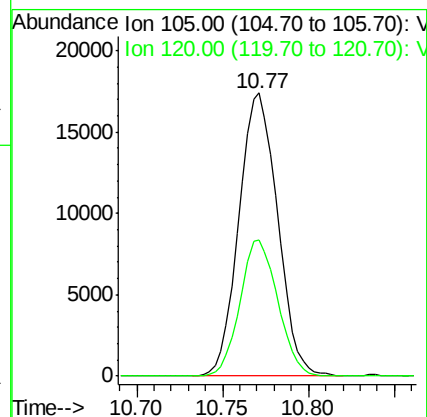
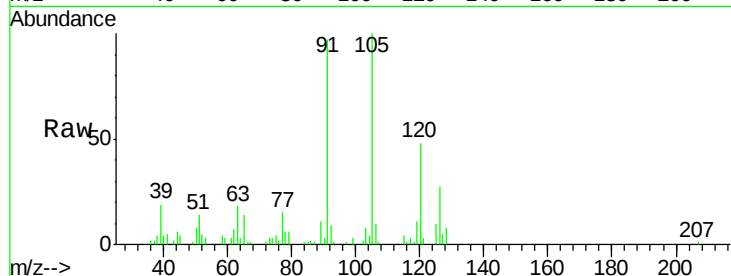
120 46.8 36.3 54.5

Manual Integrations

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11/30/2018 1:29:12 PM



#76

4-Chlorotoluene

Concen: 0.477 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028327.D

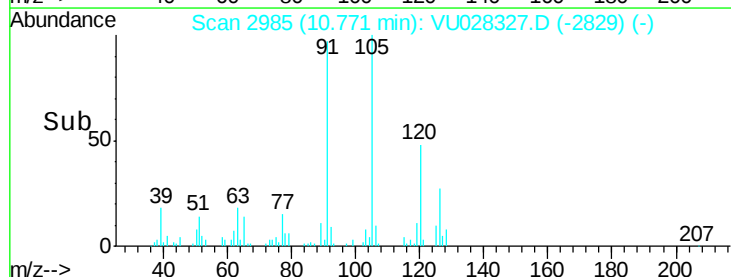
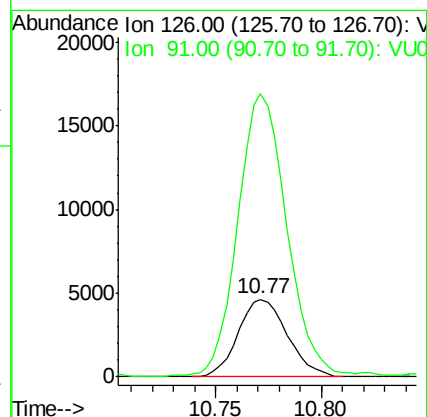
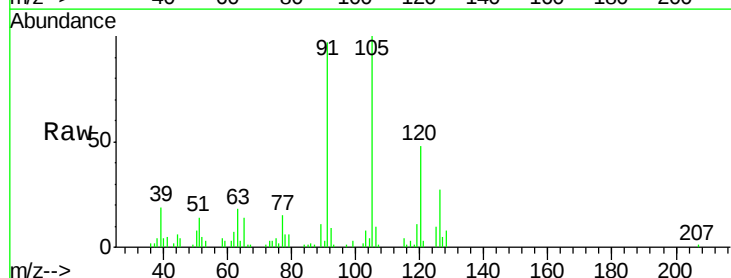
Acq: 26 Nov 2018 09:50

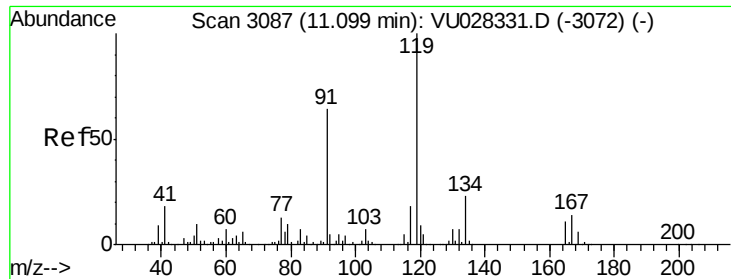
Tgt Ion:126 Resp: 7513

Ion Ratio Lower Upper

126 100

91 363.8 0.0 731.2





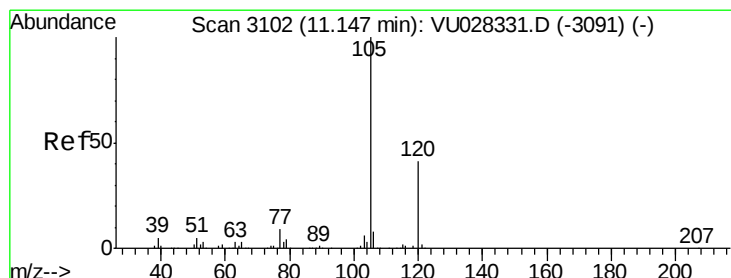
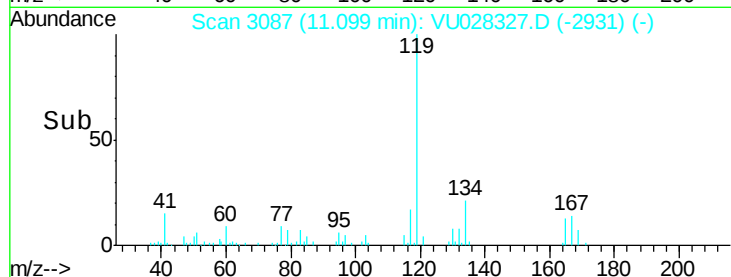
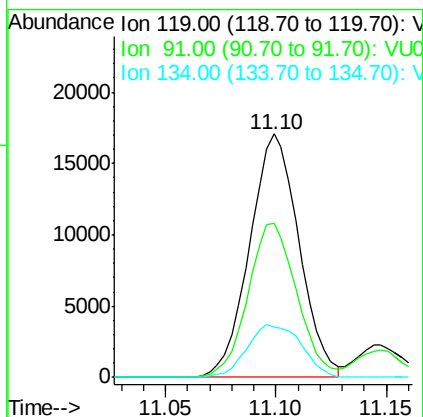
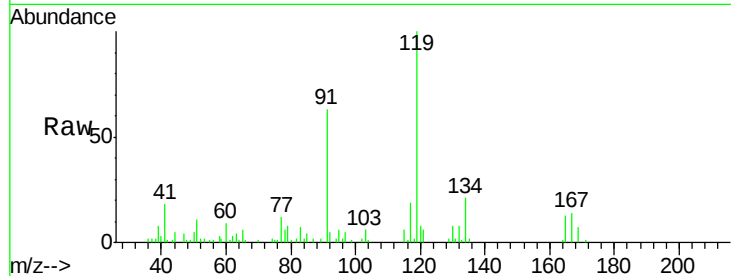
#77
 tert-Butylbenzene
 Concen: 0.487 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	26425		
91	62.6	32.0	96.0	
134	23.7	17.9	26.9	

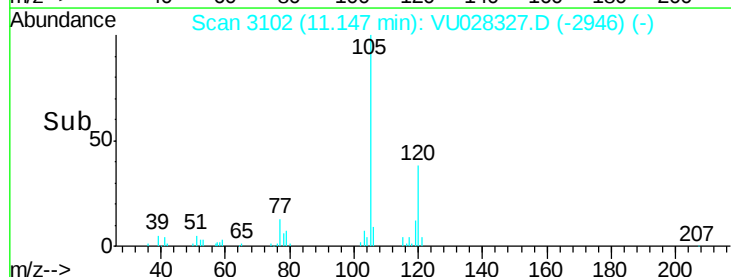
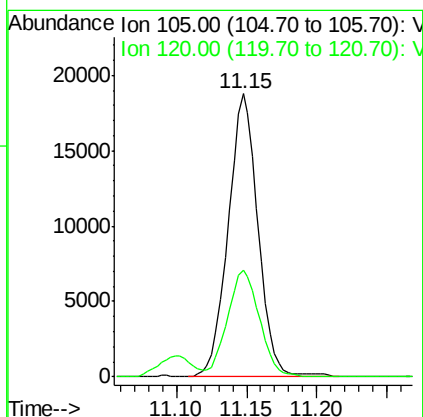
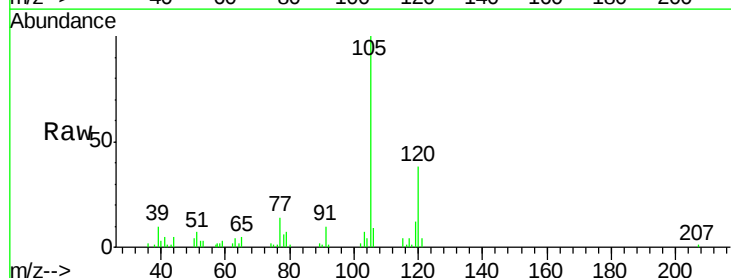
Manual Integrations
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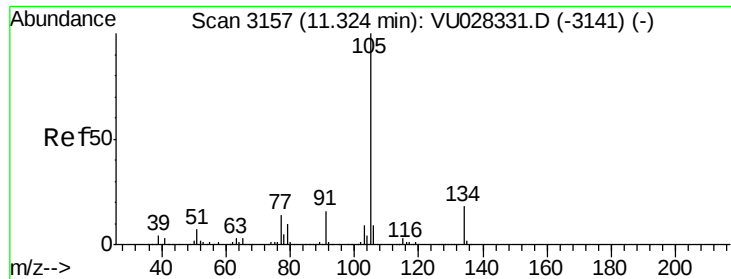
MMDadoda
 11/30/2018 1:29:12 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 0.471 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	27792		
120	40.6	21.9	65.8	





#79

sec-Butylbenzene

Concen: 0.461 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 105 Resp: 34820

Ion Ratio Lower Upper

105 100

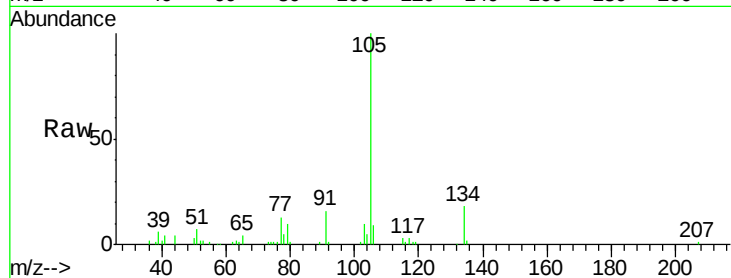
134 18.0 14.6 22.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

25000

20000

15000

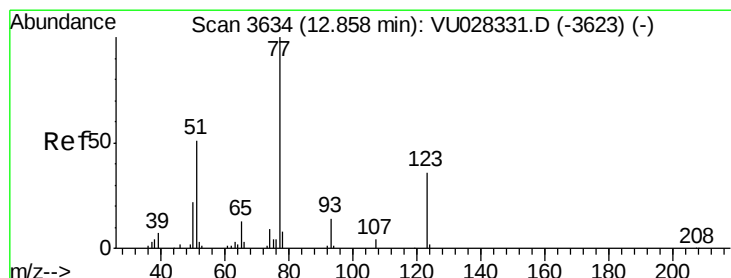
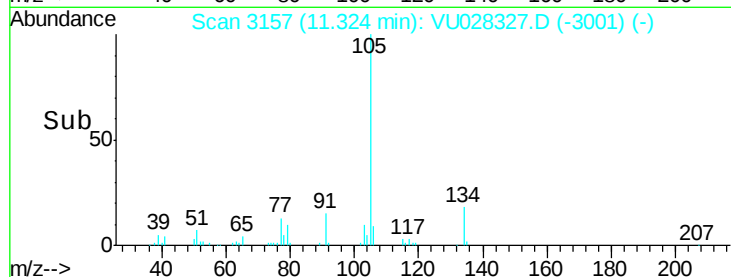
10000

5000

0

Time-->

11.25 11.30 11.35 11.40



#80

Nitrobenzene

Concen: 2.470 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

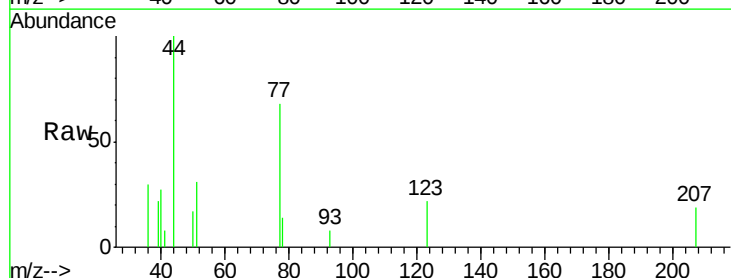
Tgt Ion: 77 Resp: 1746

Ion Ratio Lower Upper

77 100

123 32.7 16.5 58.3

65 0.0 12.1 15.3#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

1200

1000

800

600

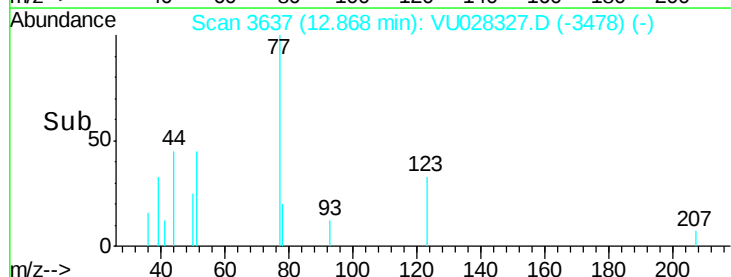
400

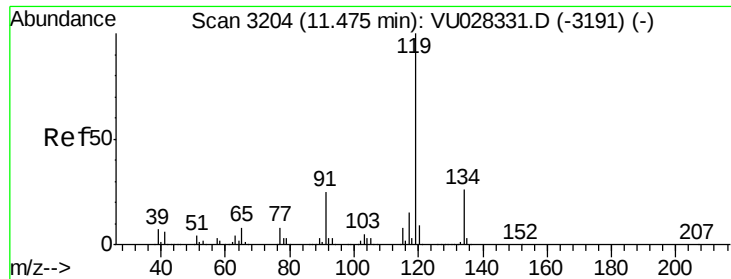
200

0

Time-->

12.85 12.90





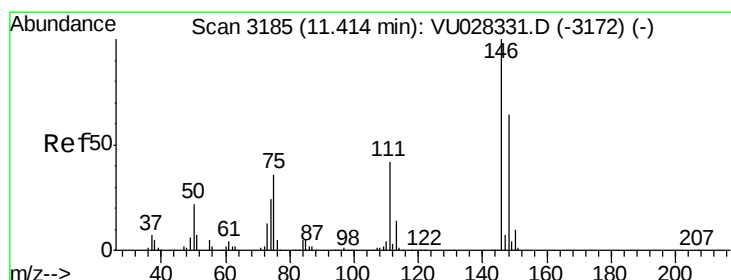
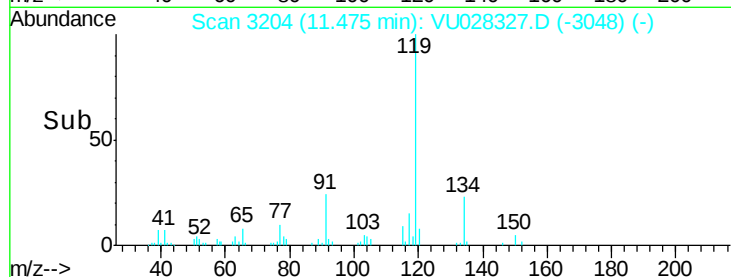
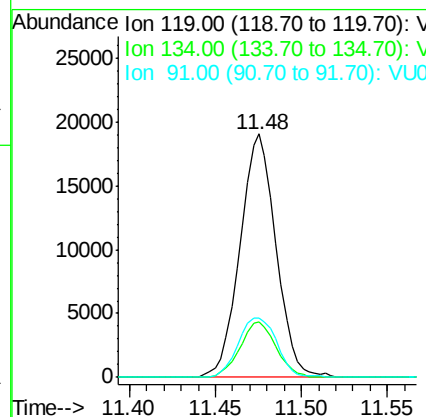
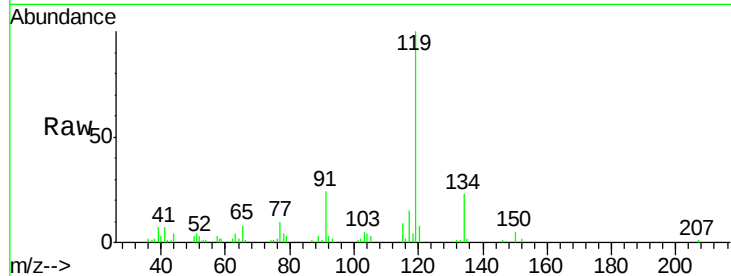
#81
p-Isopropyltoluene
Concen: 0.462 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.8	20.3	30.5
91	26.3	20.0	30.0

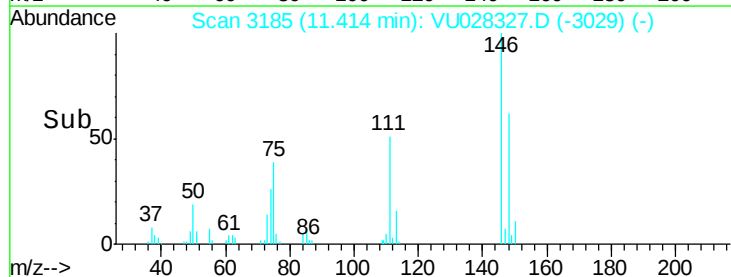
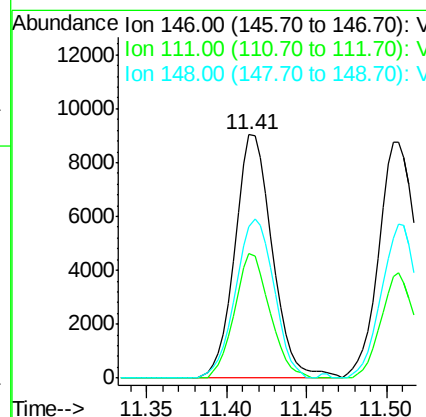
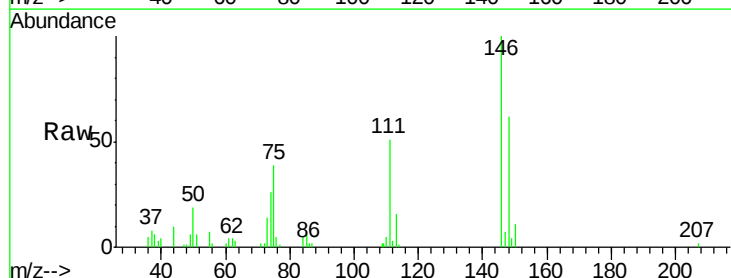
Manual Integrations
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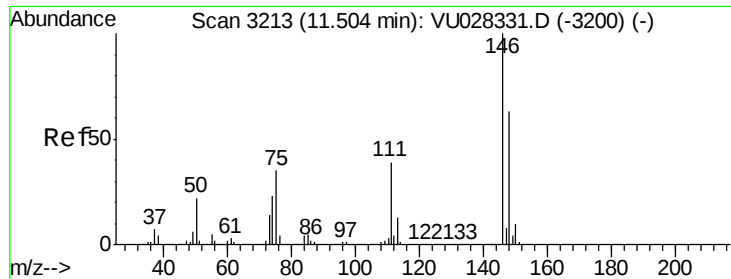
MMDadoda
11/30/2018 1:29:12 PM



#82
1,3-Dichlorobenzene
Concen: 0.472 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	33.4	50.2
148	67.0	51.2	76.8





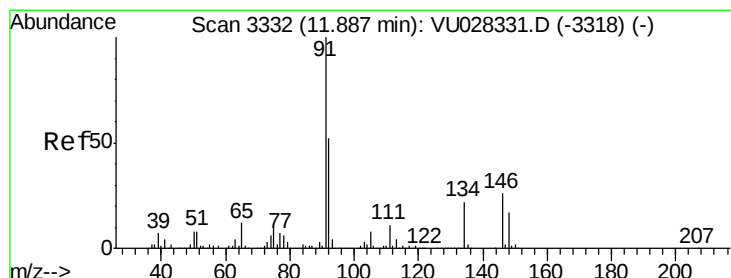
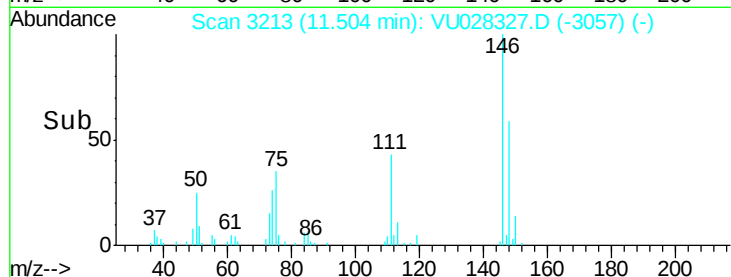
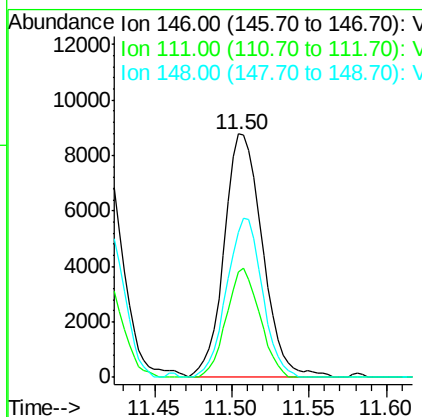
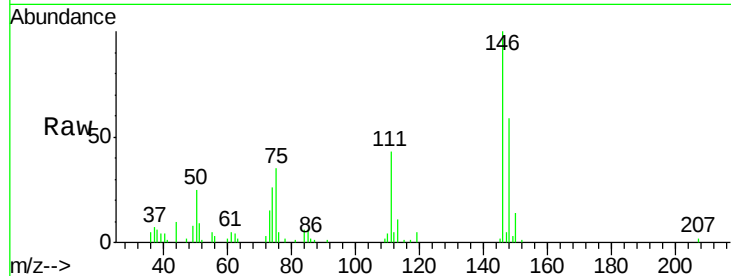
#83
 1,4-Dichlorobenzene
 Concen: 0.499 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	31.4	47.2
148	60.3	50.7	76.1

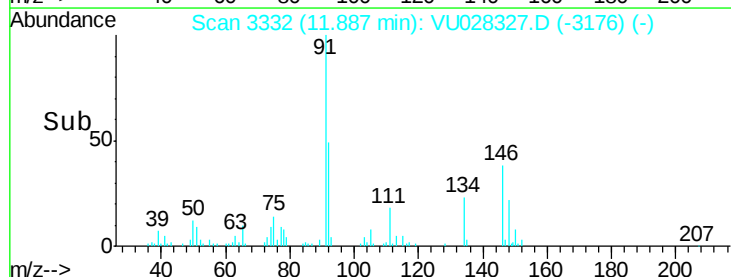
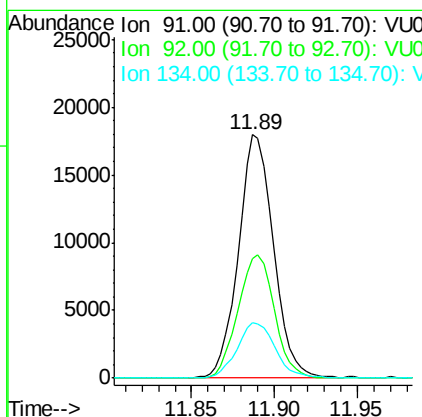
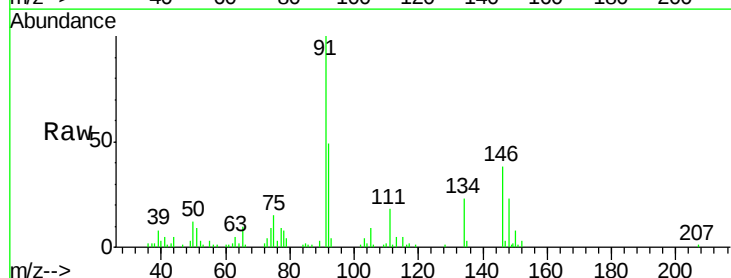
Manual Integrations
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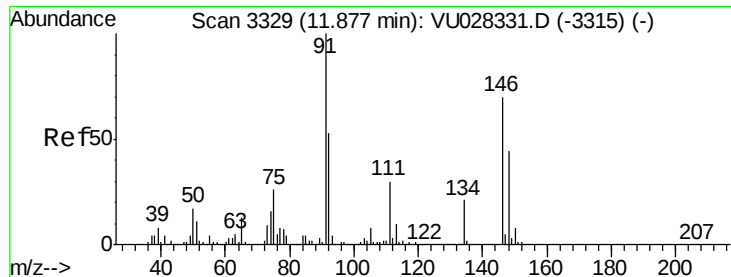
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#84
 n-Butylbenzene
 Concen: 0.419 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	41.6	62.4
134	24.8	17.8	26.6





#85

1,2-Dichlorobenzene

Concen: 0.502 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

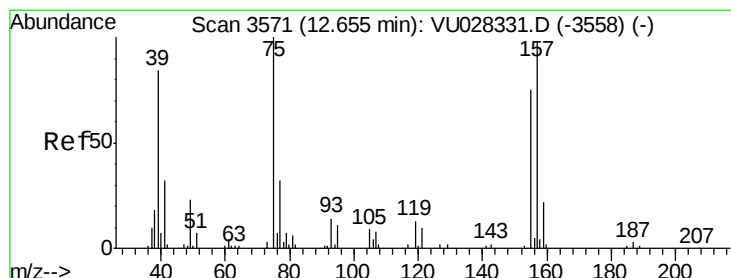
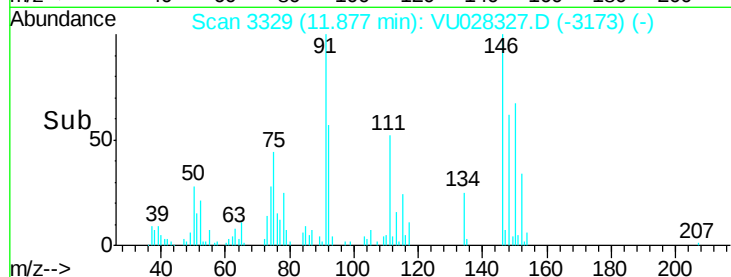
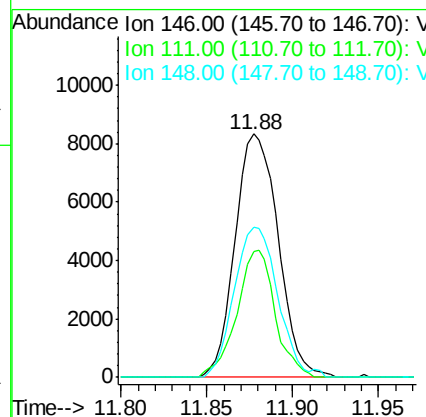
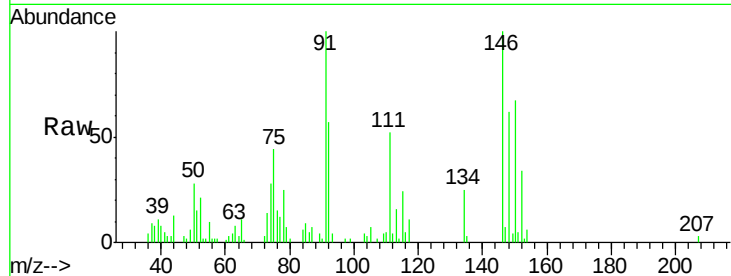
ClientSampled :

VSTDIC0.5

Tgt Ion:	146	Resp:	14529
Ion Ratio	Lower	Upper	
146	100		
111	46.3	21.4	64.3
148	62.1	31.4	94.2

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.448 ug/l

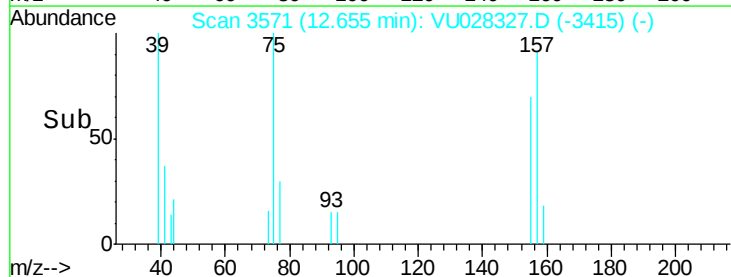
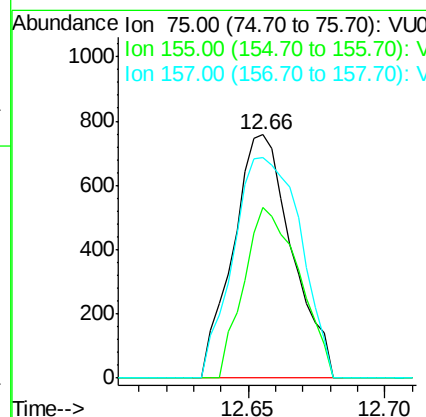
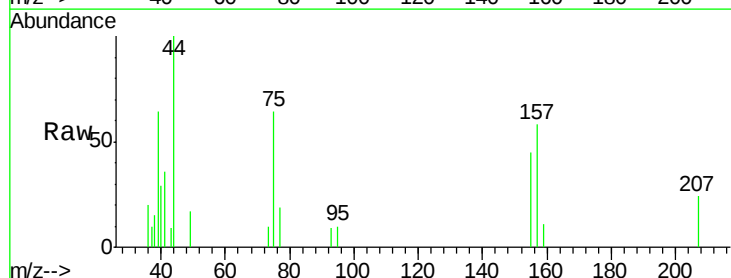
RT: 12.66 min Scan# 3571

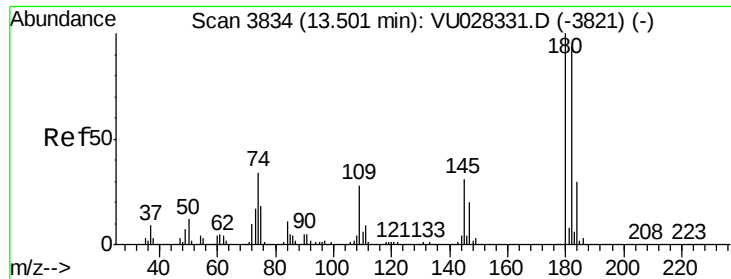
Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Tgt Ion:	75	Resp:	1131
Ion Ratio	Lower	Upper	
75	100		
155	66.0	57.0	85.4
157	104.3	75.4	113.2





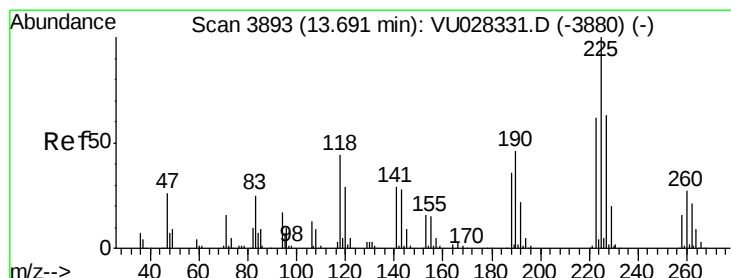
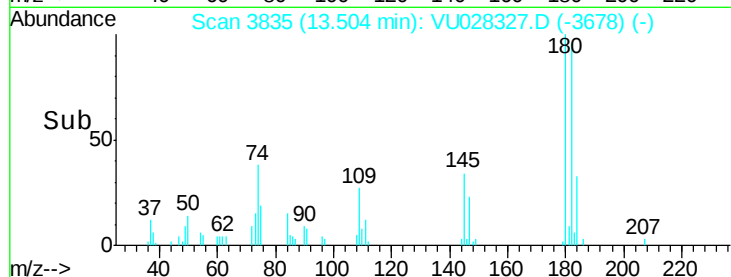
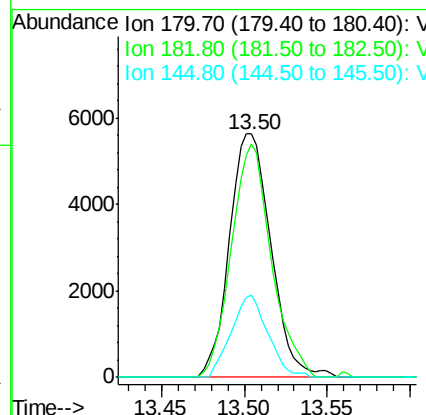
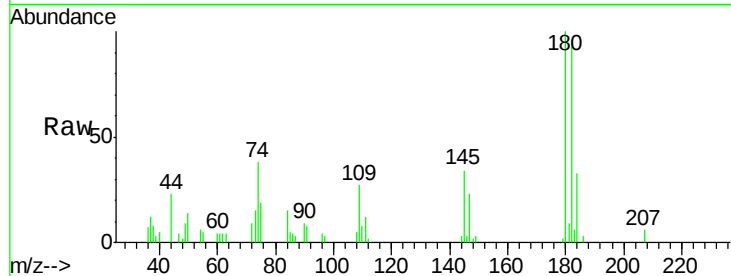
#87
 1,2,4-Trichlorobenzene
 Concen: 0.481 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.6	113.4
145	30.0	24.4	36.6

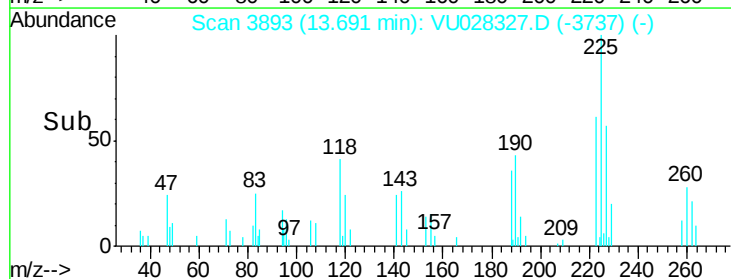
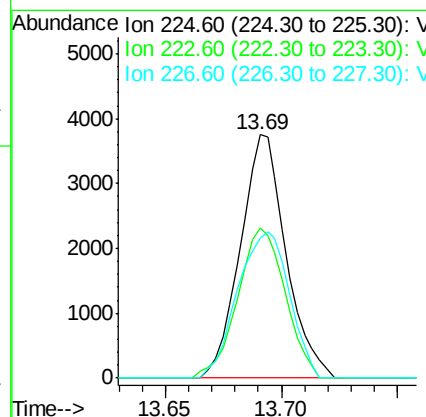
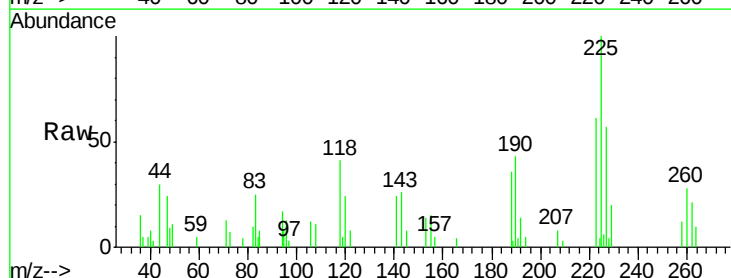
Manual Integrations
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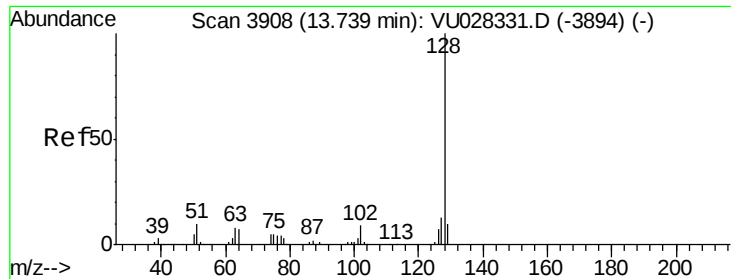
MMDadoda
 11/30/2018 1:29:12 PM



#88
 Hexachlorobutadiene
 Concen: 0.466 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.6	76.0
227	67.9	50.8	76.2





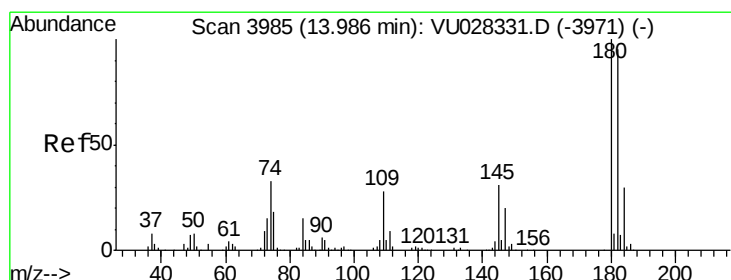
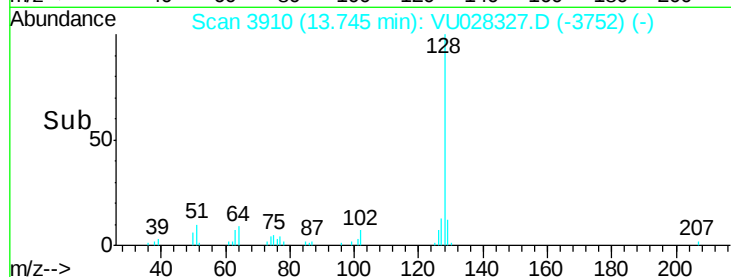
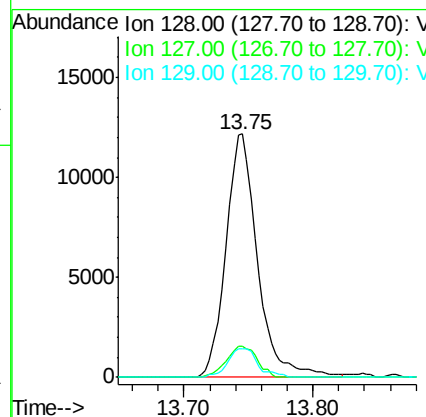
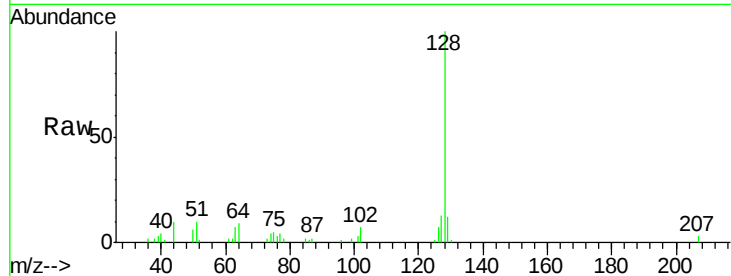
#89
Naphthalene
Concen: 0.514 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.01 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.2	8.2	12.4

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 0.511 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
145	31.6	26.0	39.0

