

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110718\
 Data File : VU028010.D
 Acq On : 07 Nov 2018 16:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:07:06 AM

Quant Time: Nov 07 17:17:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336357	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	314650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	156286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142369	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.88	113	106476	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.57	98	403938	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.31	95	152677	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	97032	39.903	ug/l	97
3) Chloromethane	1.33	50	128105	43.560	ug/l	100
4) Vinyl Chloride	1.40	62	129356	44.317	ug/l	99
5) Bromomethane	1.62	94	56571	47.491	ug/l	99
6) Chloroethane	1.69	64	78606	46.731	ug/l	100
7) Trichlorofluoromethane	1.88	101	156898	46.517	ug/l	93
8) Diethyl Ether	2.11	74	71410	49.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98400	49.109	ug/l	99
10) Methyl Iodide	2.41	142	77066	43.140	ug/l	99
11) Tert butyl alcohol	2.83	59	176868	234.816	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91775	45.758	ug/l	99
13) Acrolein	2.20	56	63377	228.150	ug/l	98
14) Allyl chloride	2.59	41	222099	45.309	ug/l	99
15) Acrylonitrile	2.94	53	444316	240.143	ug/l	98
16) Acetone	2.32	43	429196	243.134	ug/l	100
17) Carbon Disulfide	2.48	76	269305	41.080	ug/l	100
18) Methyl Acetate	2.62	43	233061	47.995	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	399096	49.343	ug/l	100
20) Methylene Chloride	2.70	84	120583	46.785	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	102449	44.262	ug/l	97
22) Diisopropyl ether	3.58	45	495443	48.956	ug/l	99
23) Vinyl Acetate	3.53	43	2131798	245.103	ug/l	100
24) 1,1-Dichloroethane	3.45	63	238564	47.326	ug/l	99
25) 2-Butanone	4.26	43	681862	242.796	ug/l	98
26) 2,2-Dichloropropane	4.23	77	187306	49.514	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128657	49.568	ug/l	100
28) Bromochloromethane	4.55	49	122579	51.871	ug/l	98
29) Tetrahydrofuran	4.64	42	429333	228.946	ug/l	99
30) Chloroform	4.67	83	221504	47.924	ug/l	98
31) Cyclohexane	5.00	56	221903	44.679	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	176745	48.039	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163298	46.355	ug/l	99
37) Ethyl Acetate	4.38	43	236378	45.795	ug/l	100
38) Carbon Tetrachloride	5.14	117	145278	46.535	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	197289	46.433	ug/l	98
40) Benzene	5.39	78	510331	47.382	ug/l	100
41) Methacrylonitrile	4.55	41	137950	50.080	ug/l	99
42) 1,2-Dichloroethane	5.41	62	179190	46.805	ug/l	99
43) Isopropyl Acetate	5.55	43	381286	47.149	ug/l	99
44) Trichloroethene	6.19	130	109400	47.254	ug/l	99
45) 1,2-Dichloropropane	6.43	63	151218	48.683	ug/l	99
46) Dibromomethane	6.56	93	87960	49.265	ug/l	97
47) Bromodichloromethane	6.76	83	169903	49.380	ug/l	99
48) Methyl methacrylate	6.62	41	193616	48.858	ug/l	99
49) 1,4-Dioxane	6.61	88	64509	997.750	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1278647	236.759	ug/l	100
52) Toluene	7.64	92	302225	47.731	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	201624	47.315	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	215713	50.857	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	127235	49.391	ug/l	95
56) Ethyl methacrylate	8.02	69	230243	50.682	ug/l	99
57) 1,3-Dichloropropane	8.24	76	227689	48.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	614840	252.700	ug/l	100
59) 2-Hexanone	8.36	43	1004125	240.393	ug/l	99
60) Dibromochloromethane	8.48	129	125252	51.381	ug/l	99
61) 1,2-Dibromoethane	8.59	107	131976	48.214	ug/l	98
64) Tetrachloroethene	8.23	164	90651	44.431	ug/l	99
65) Chlorobenzene	9.12	112	316221	47.568	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	109619	48.277	ug/l	98
67) Ethyl Benzene	9.25	91	591835	48.367	ug/l	99
68) m/p-Xylenes	9.38	106	431134	97.106	ug/l	99
69) o-Xylene	9.78	106	212379	47.372	ug/l	98
70) Styrene	9.79	104	356796	49.808	ug/l	99
71) Bromoform	9.96	173	94291	49.550	ug/l #	100
73) Isopropylbenzene	10.17	105	573978	47.408	ug/l	100
74) N-amyl acetate	10.01	43	351908	48.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	229837	47.062	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	229160m	53.606	ug/l	
77) Bromobenzene	10.45	156	133730	48.170	ug/l	100
78) n-propylbenzene	10.59	91	703867	48.568	ug/l	99
79) 2-Chlorotoluene	10.66	91	409132	47.098	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	486847	48.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	91766m	53.578	ug/l	
82) 4-Chlorotoluene	10.77	91	472086	47.870	ug/l	98
83) tert-Butylbenzene	11.10	119	469931	46.868	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492988	48.814	ug/l	99
85) sec-Butylbenzene	11.32	105	593068	48.636	ug/l	100
86) p-Isopropyltoluene	11.48	119	505426	49.581	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	246219	48.010	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	248325	47.241	ug/l	100
89) n-Butylbenzene	11.89	91	488730	50.447	ug/l	100
90) Hexachloroethane	12.15	117	87611	48.273	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	249118	48.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49959	48.548	ug/l	98

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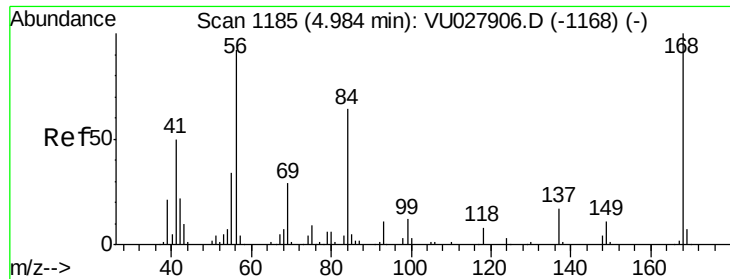
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	174307	48.217	ug/l	97
94) Hexachlorobutadiene	13.69	225	81612	49.790	ug/l	96
95) Naphthalene	13.74	128	609928	47.569	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	175035	50.578	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 191370

Ion Ratio Lower Upper

168 100

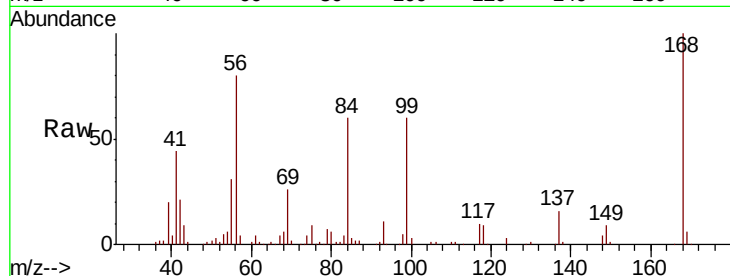
99 59.2 47.9 71.9

Manual Integrations

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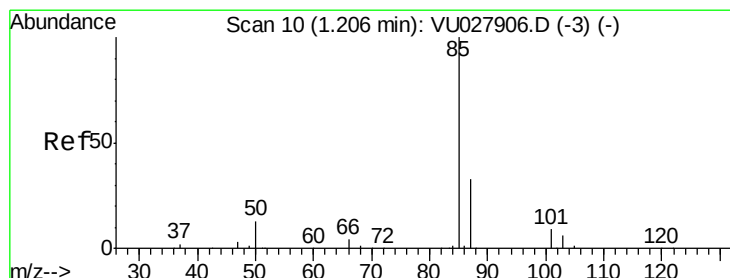
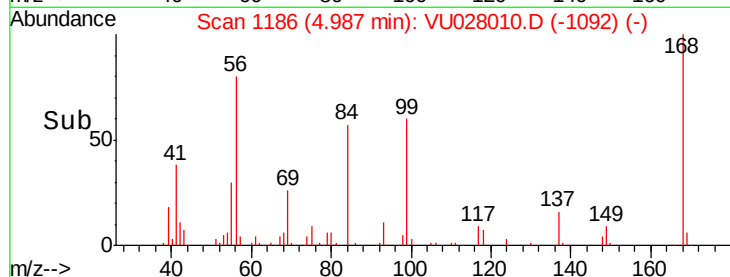
Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

Time-->

4.99

4.90 4.95 5.00 5.05 5.10



#2

Dichlorodifluoromethane

Concen: 39.903 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028010.D

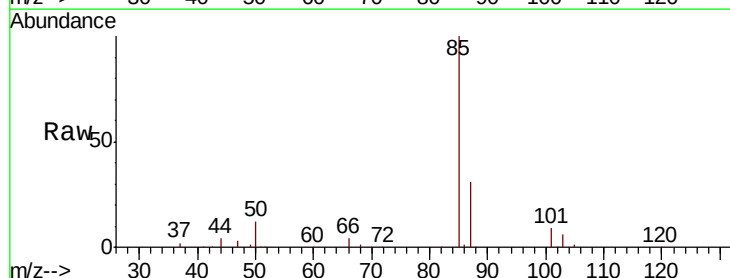
Acq: 07 Nov 2018 16:55

Tgt Ion: 85 Resp: 97032

Ion Ratio Lower Upper

85 100

87 31.1 16.5 49.5



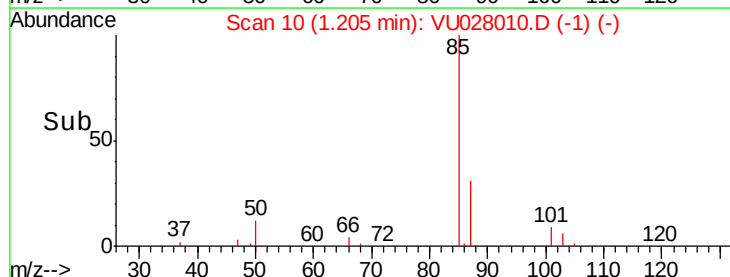
Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

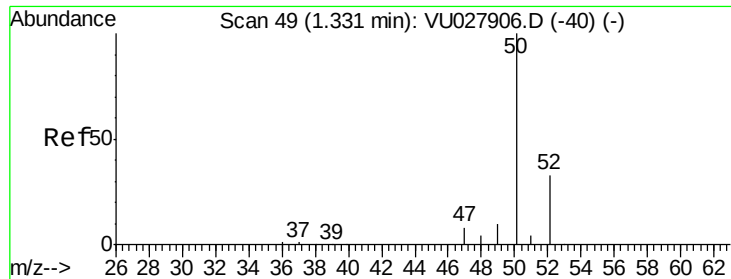
Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

Time-->

1.21

1.15 1.20 1.25





#3

Chloromethane

Concen: 43.560 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128105

Ion Ratio Lower Upper

50 100

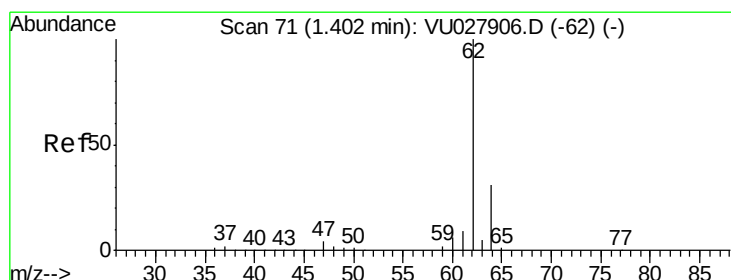
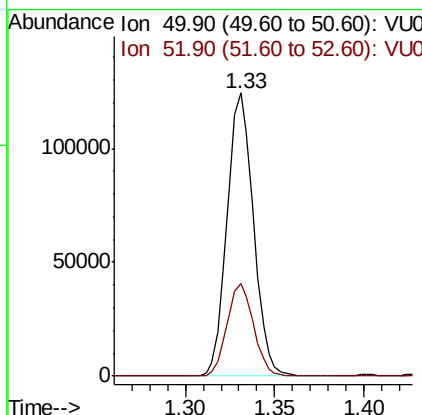
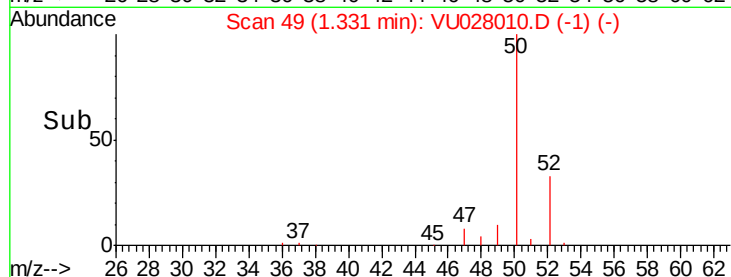
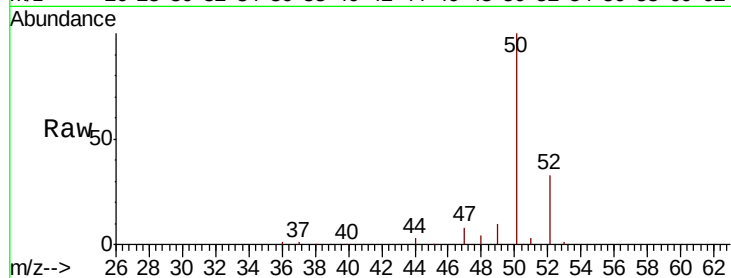
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.317 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028010.D

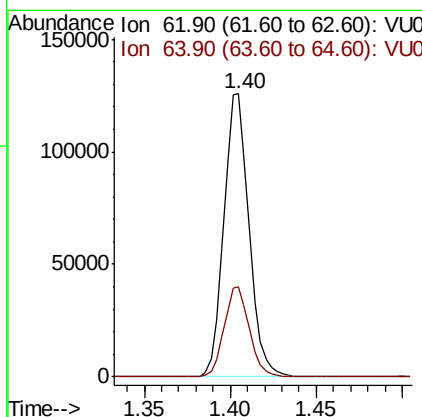
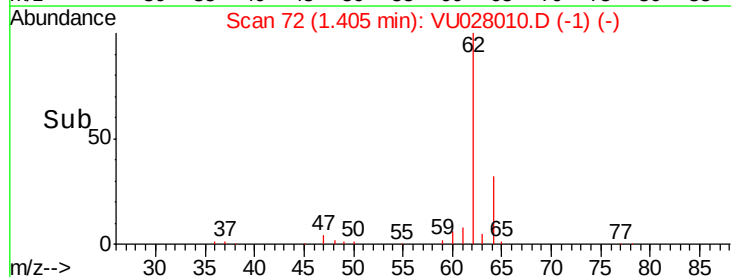
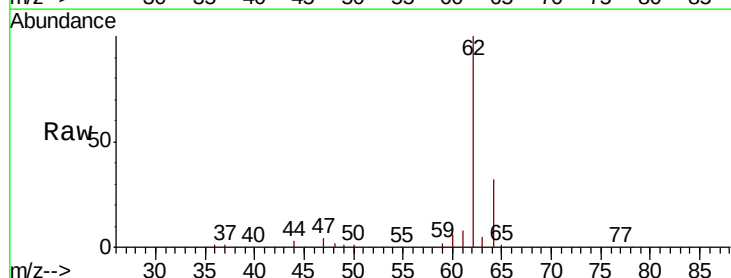
Acq: 07 Nov 2018 16:55

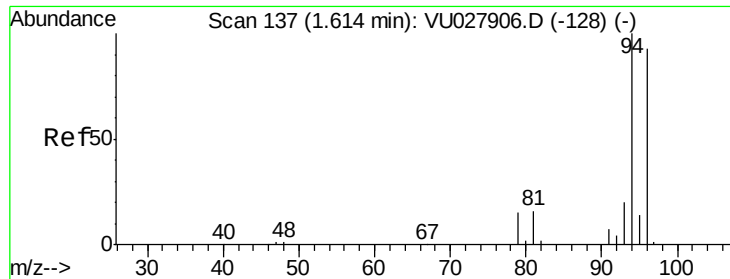
Tgt Ion: 62 Resp: 129356

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 47.491 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 56571

Ion Ratio Lower Upper

94 100

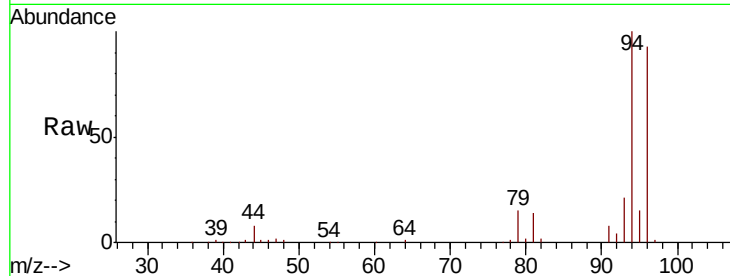
96 93.0 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU027906.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU028010.D (-44) (-)

1.62

50000

40000

30000

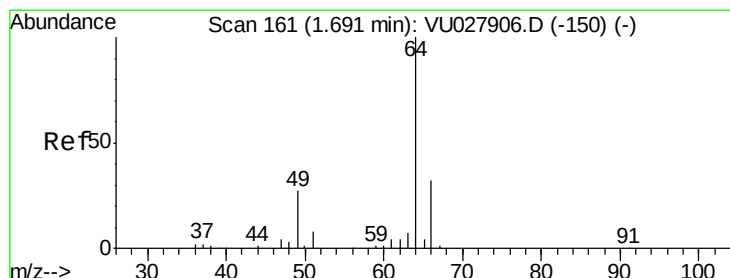
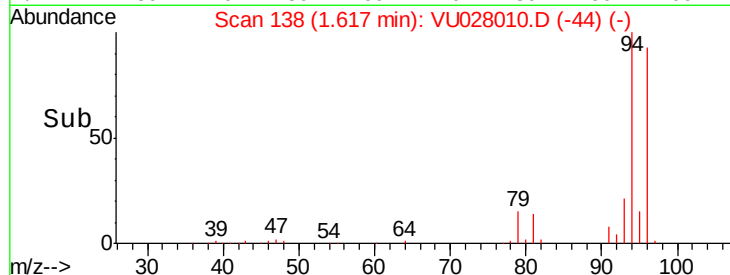
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 46.731 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU028010.D

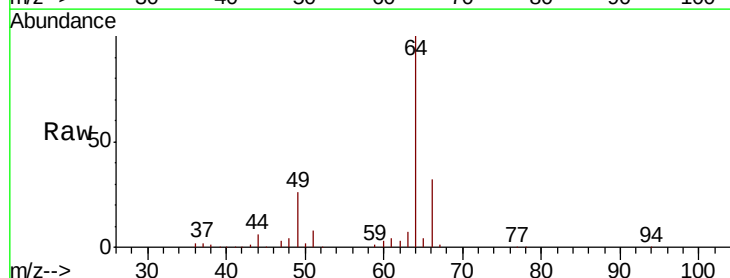
Acq: 07 Nov 2018 16:55

Tgt Ion: 64 Resp: 78606

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU027906.D (-150) (-)

Ion 65.90 (65.60 to 66.60): VU028010.D (-68) (-)

1.69

60000

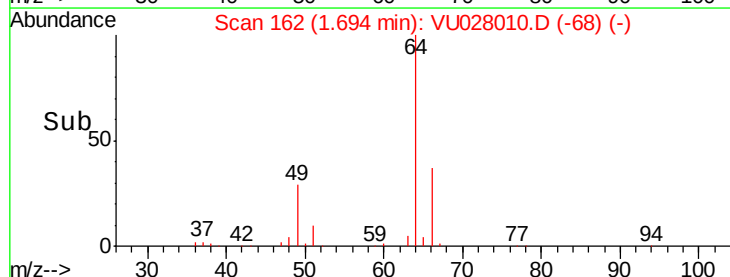
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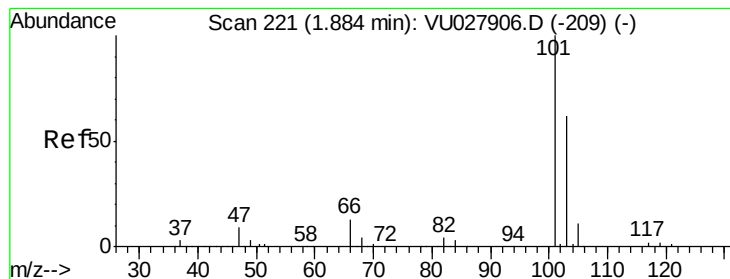
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1.65 1.70 1.75

Time-->





#7

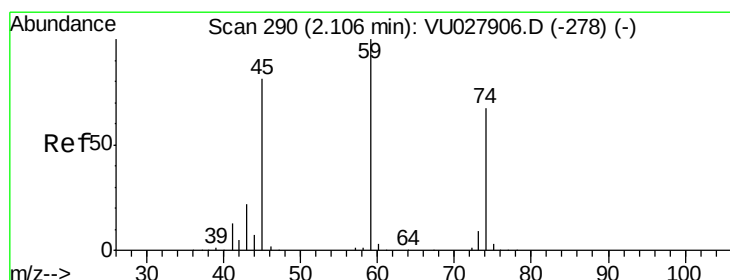
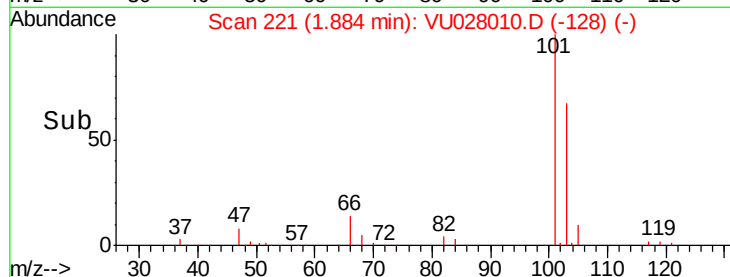
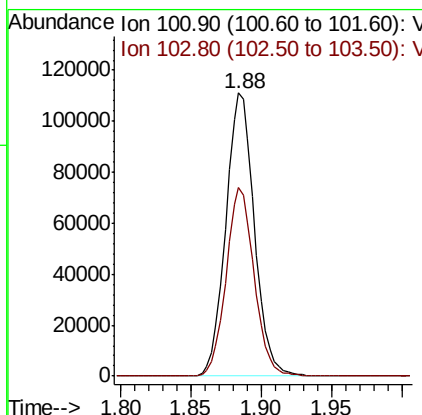
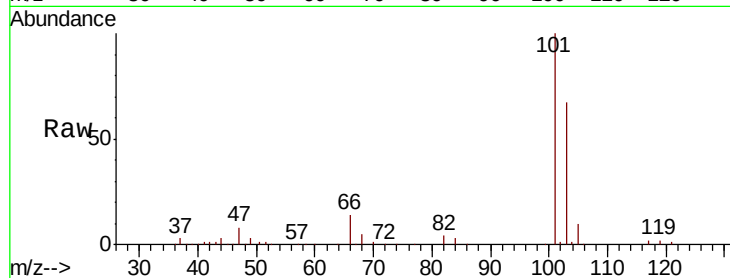
Trichlorofluoromethane
Concen: 46.517 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	49.4	74.2

Manual Integrations
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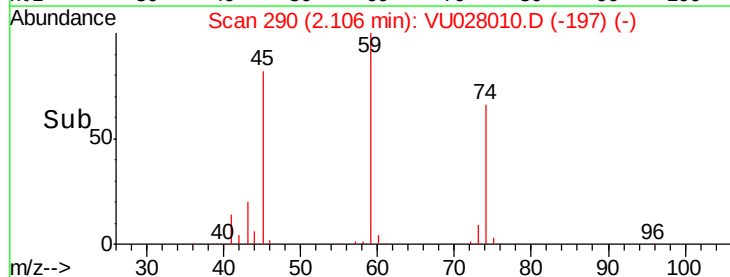
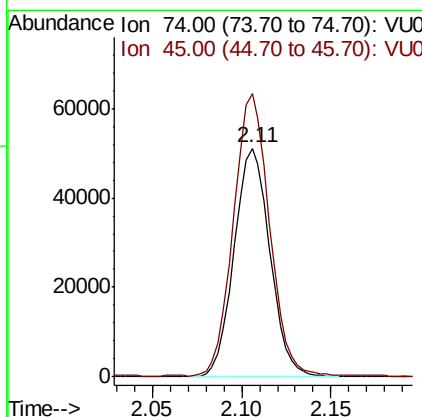
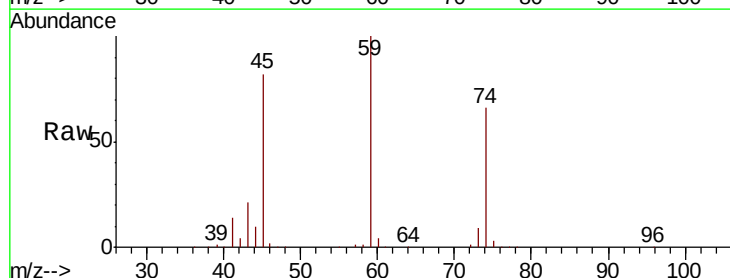
MMDadoda
11/9/2018 11:07:06 AM

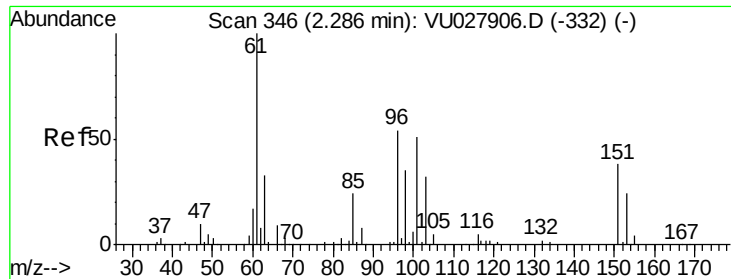


#8

Diethyl Ether
Concen: 49.445 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.4	60.5	181.5





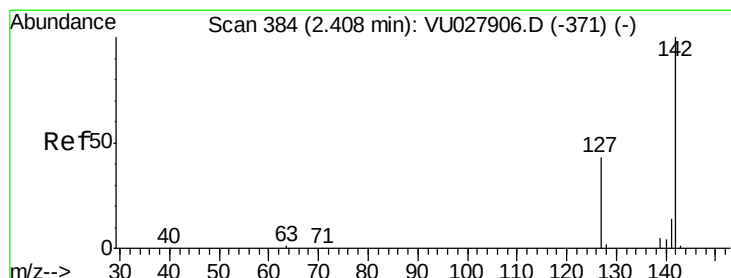
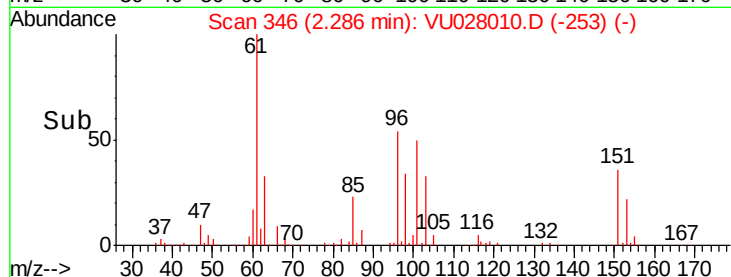
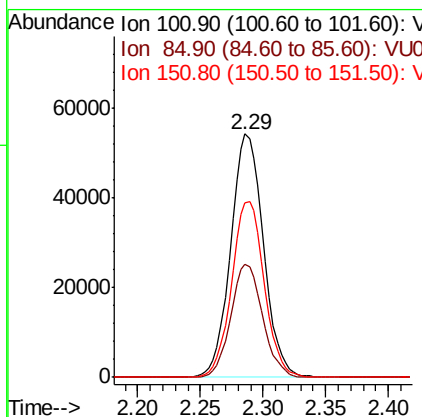
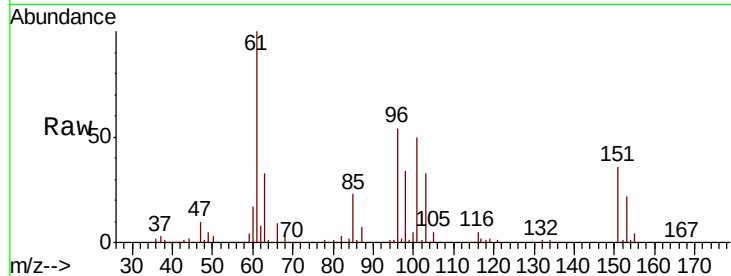
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.109 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028010.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.1	36.9	55.3
151	71.6	58.0	87.0

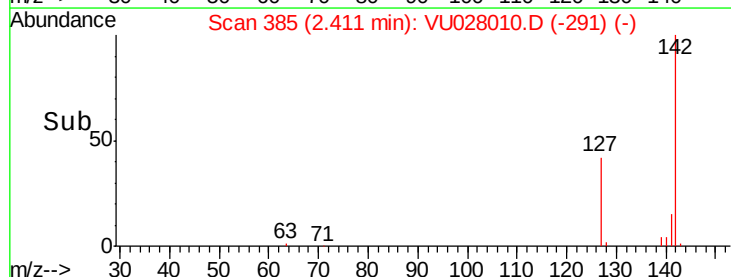
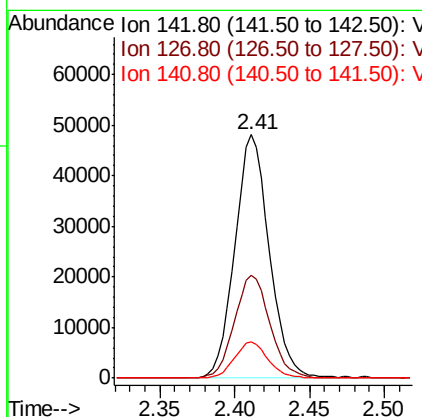
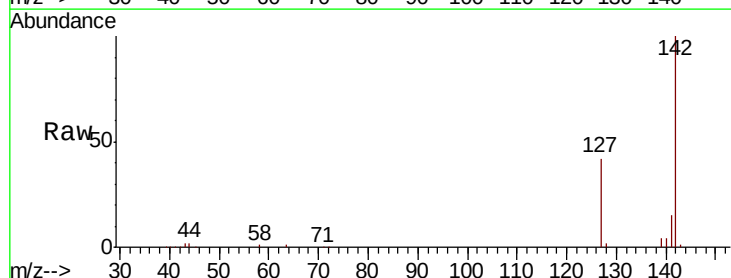
Manual Integrations
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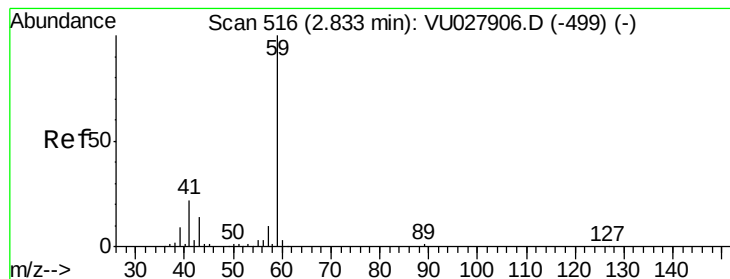
MMDadoda
 11/9/2018 11:07:06 AM



#10
 Methyl Iodide
 Concen: 43.140 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.2	52.8
141	14.5	11.8	17.8





#11

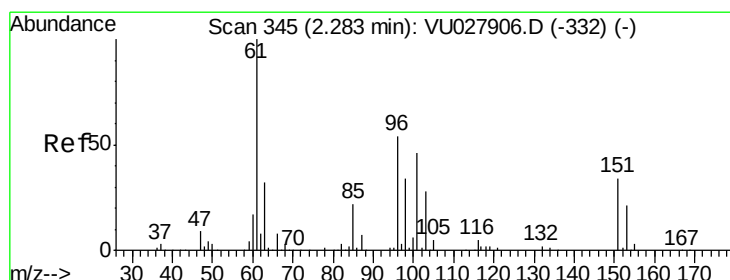
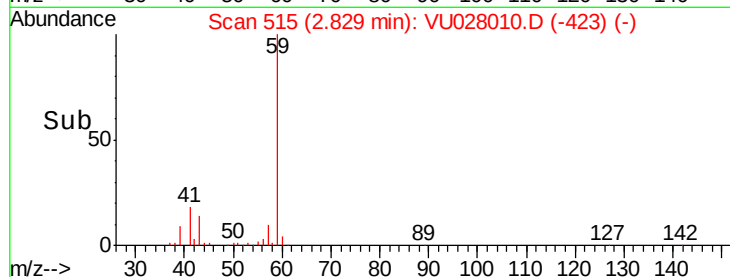
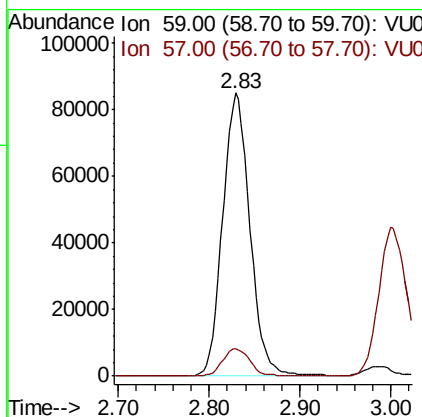
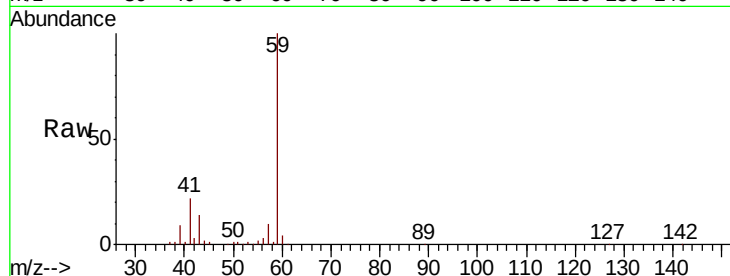
Tert butyl alcohol
 Concen: 234.816 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

Manual Integrations
 APPROVED

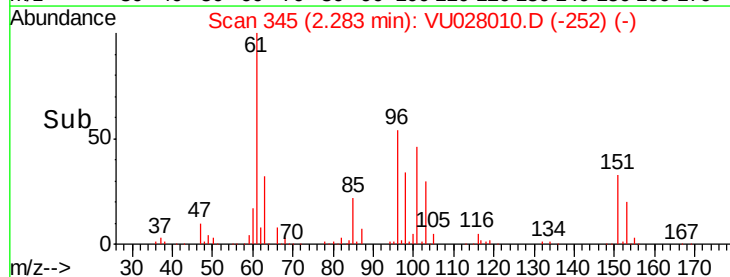
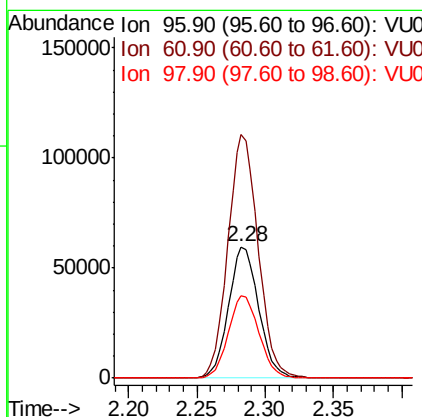
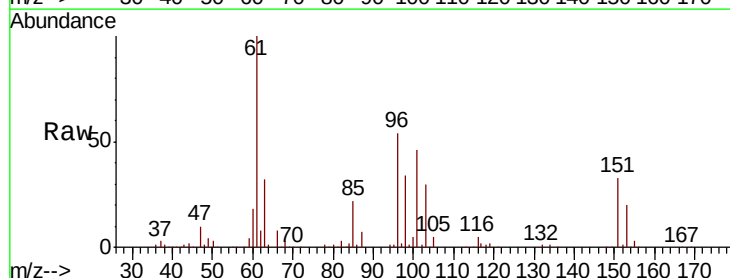
MMDadoda
 11/9/2018 11:07:06 AM

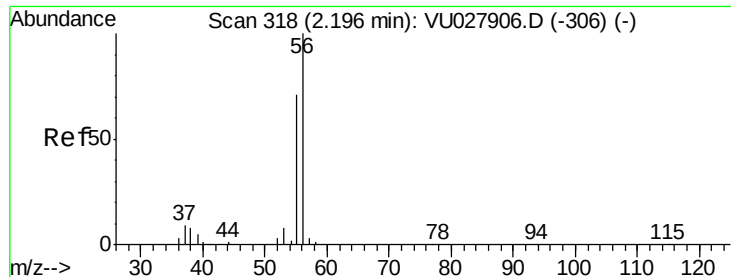


#12

1,1-Dichloroethene
 Concen: 45.758 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.8	149.3	223.9
98	62.9	50.6	75.8





#13

Acrolein

Concen: 228.150 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 63377

Ion Ratio Lower Upper

56 100

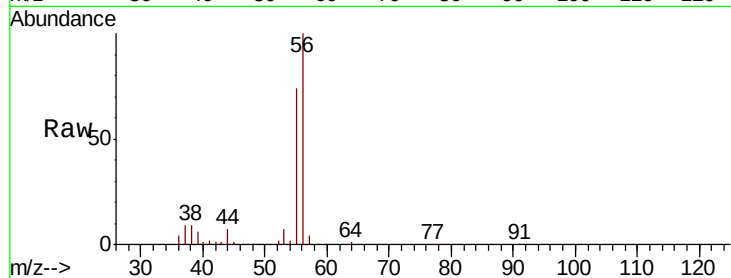
55 72.0 56.2 84.4

Manual Integrations

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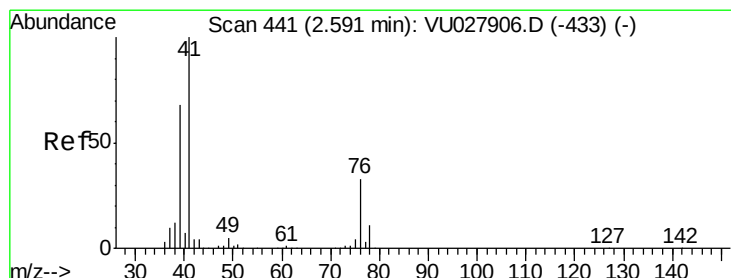
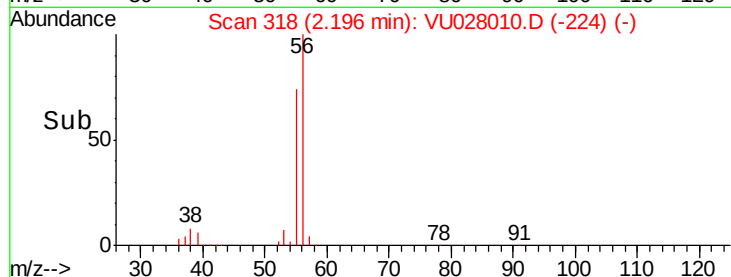
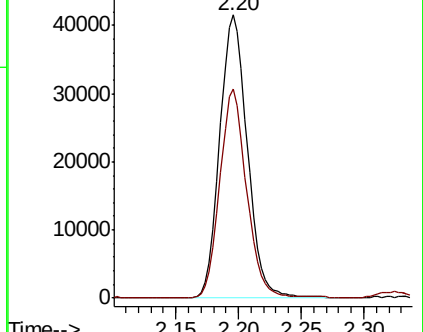
MMDadoda

11/9/2018 11:07:06 AM



Abundance Ion 56.00 (55.70 to 56.70): VU027906.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027906.D (-306) (-)



#14

Allyl chloride

Concen: 45.309 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

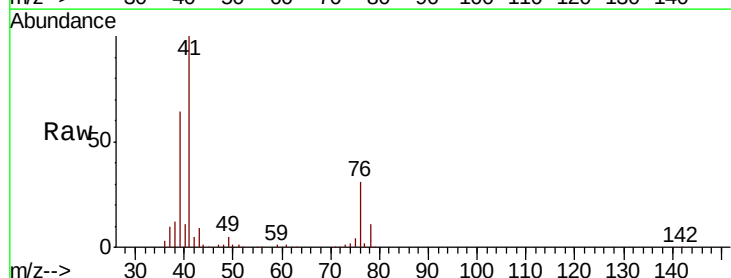
Tgt Ion: 41 Resp: 222099

Ion Ratio Lower Upper

41 100

39 64.3 51.9 77.9

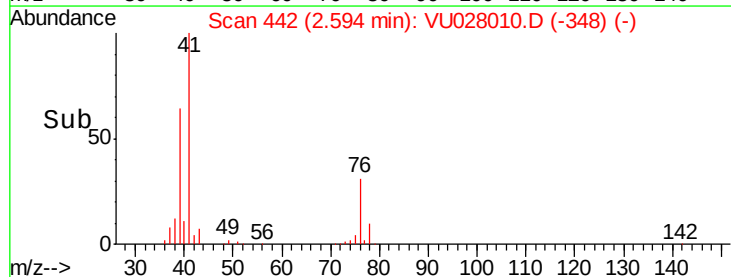
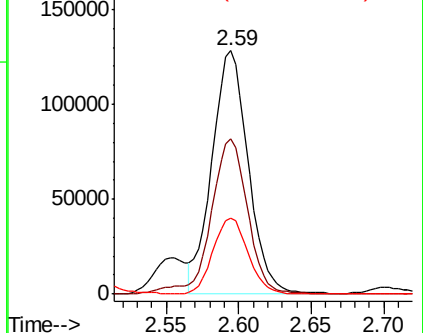
76 30.0 23.8 35.6

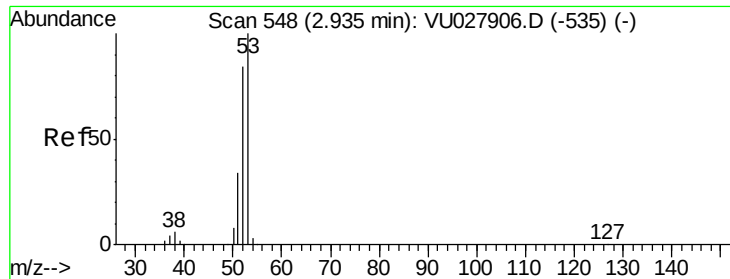


Abundance Ion 41.00 (40.70 to 41.70): VU027906.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027906.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027906.D (-433) (-)





#15

Acrylonitrile

Concen: 240.143 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

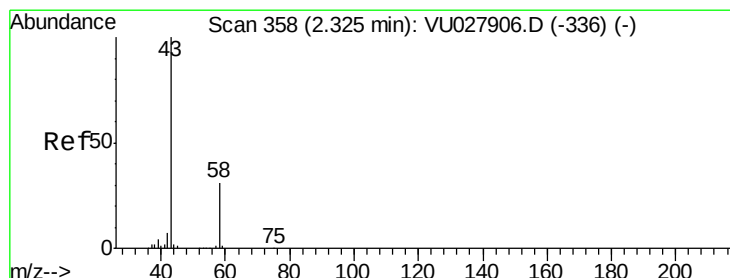
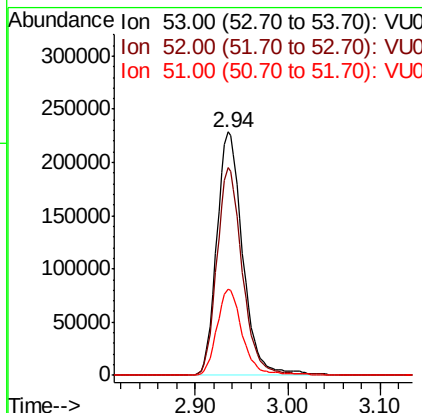
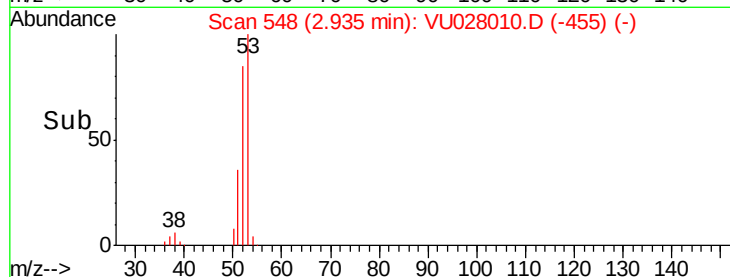
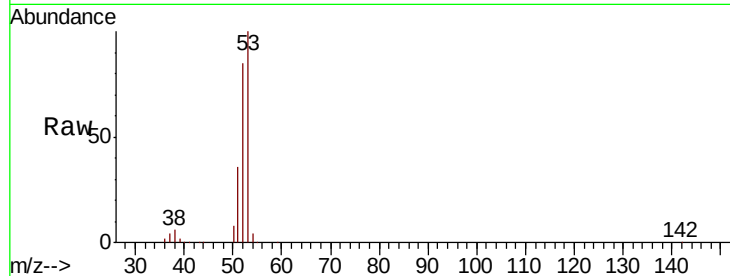
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	444316
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.1	27.0	40.4

Manual Integrations
APPROVED

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#16

Acetone

Concen: 243.134 ug/l

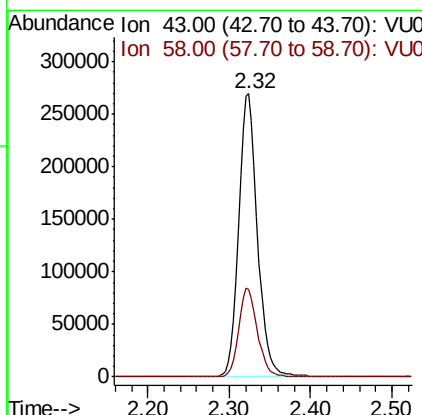
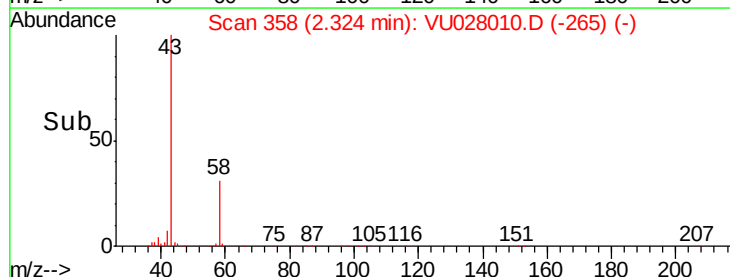
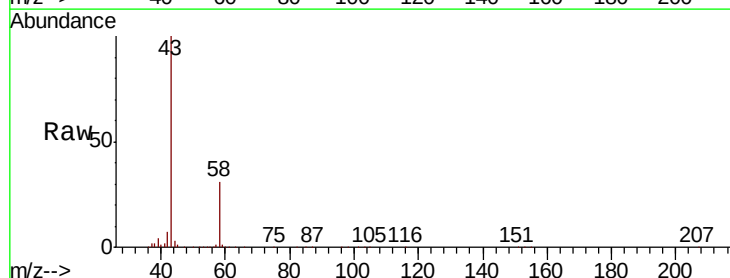
RT: 2.32 min Scan# 358

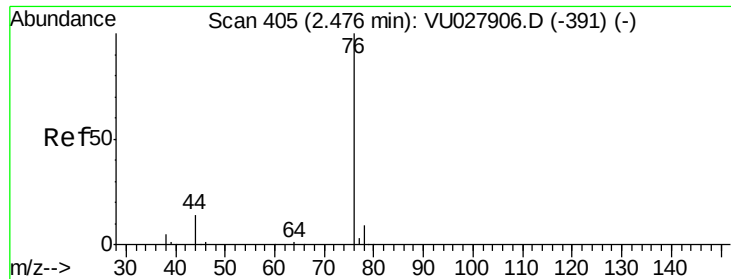
Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion:	43	Resp:	429196
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0





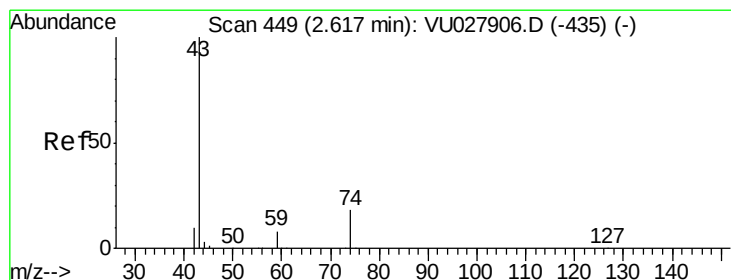
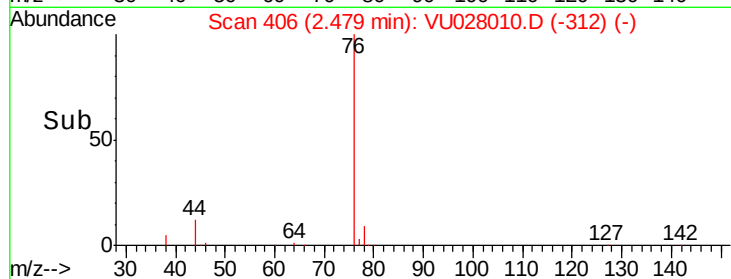
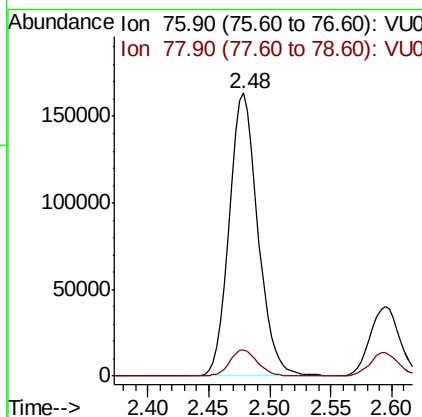
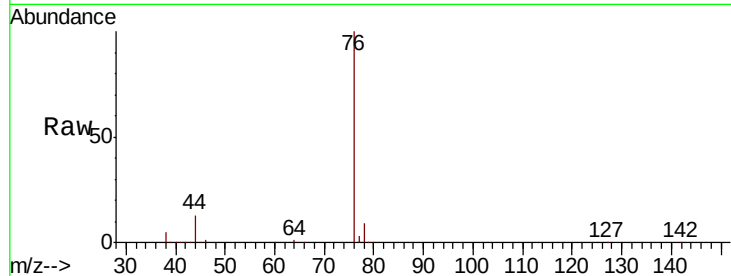
#17
Carbon Disulfide
Concen: 41.080 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 269305
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

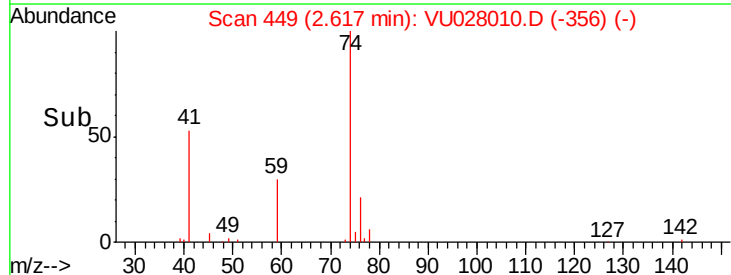
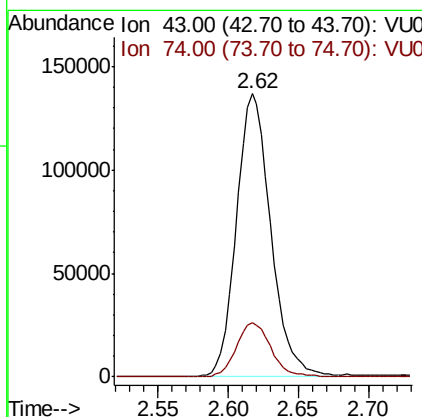
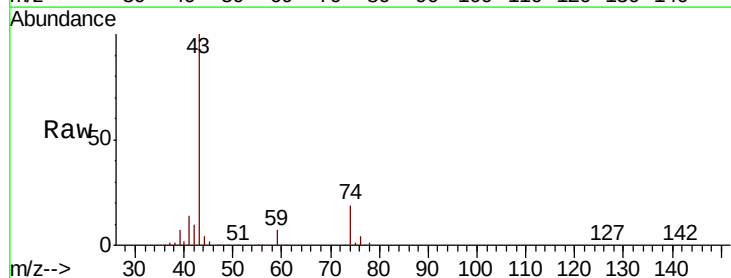
Manual Integrations
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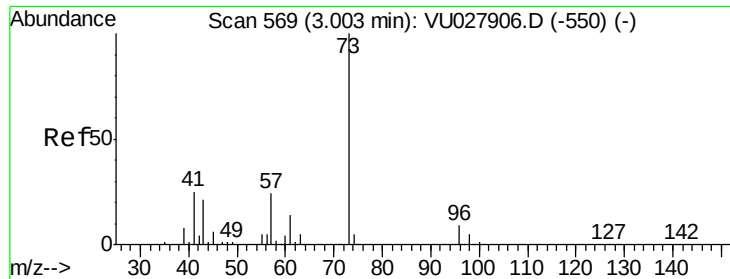
MMDadoda
11/9/2018 11:07:06 AM



#18
Methyl Acetate
Concen: 47.995 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion: 43 Resp: 233061
Ion Ratio Lower Upper
43 100
74 19.5 14.9 22.3





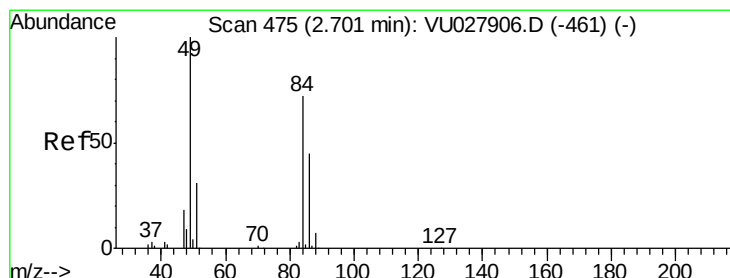
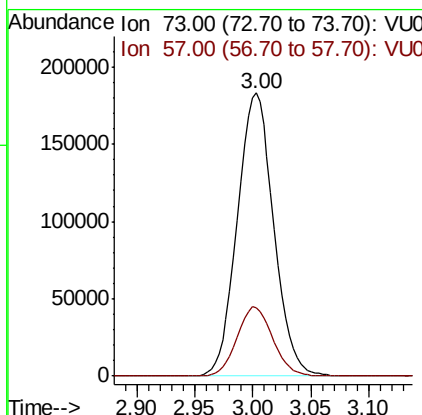
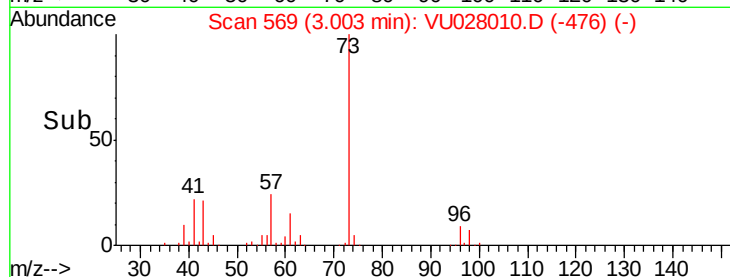
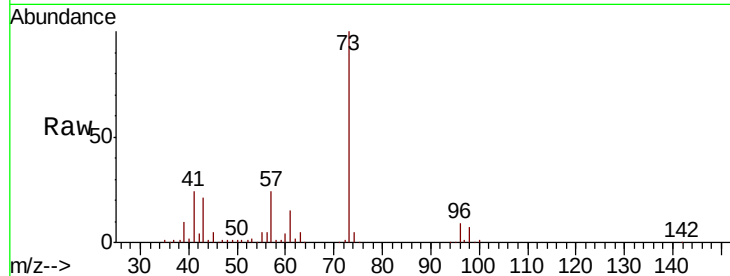
#19
Methyl tert-butyl Ether
Concen: 49.343 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

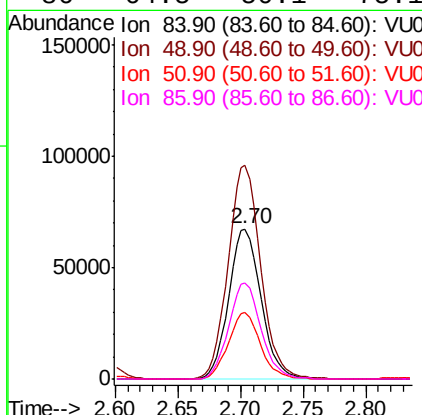
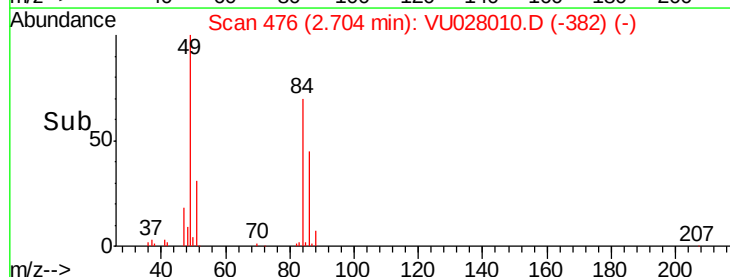
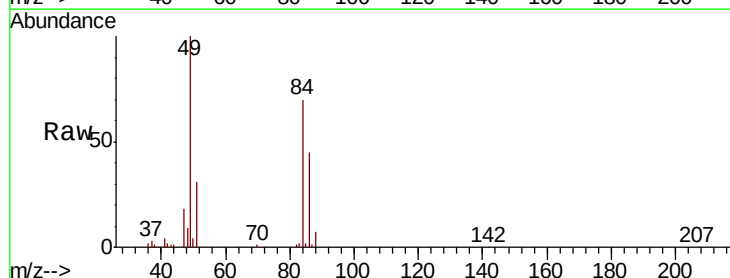
Manual Integrations
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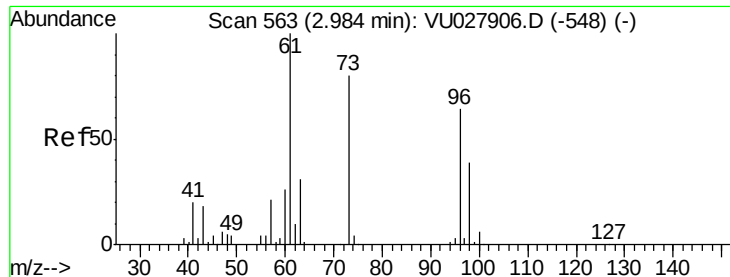
MMDadoda
11/9/2018 11:07:06 AM



#20
Methylene Chloride
Concen: 46.785 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	111.6	167.4
51	44.3	34.8	52.2
86	64.5	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 44.262 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 102449

Ion Ratio Lower Upper

96 100

61 159.4 125.0 187.6

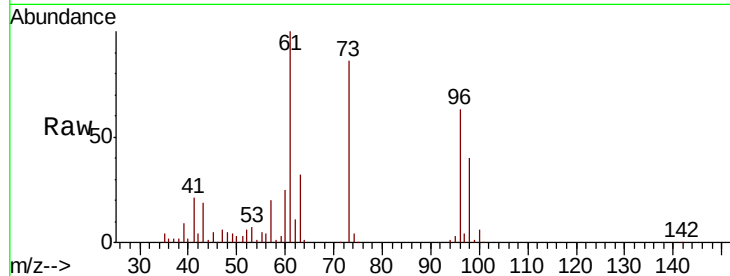
98 63.5 48.2 72.4

Manual Integrations

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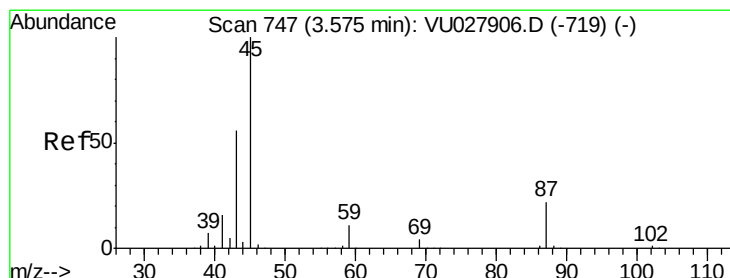
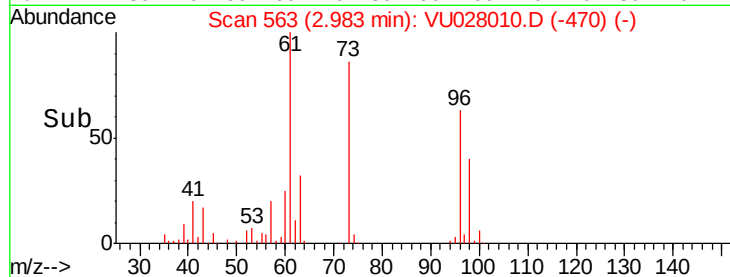
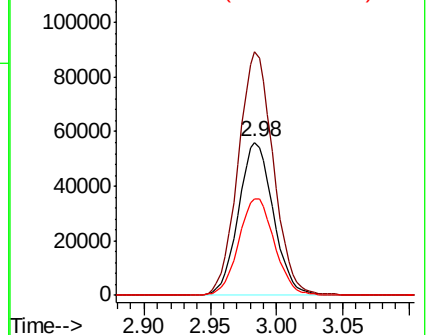


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 48.956 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion: 45 Resp: 495443

Ion Ratio Lower Upper

45 100

43 56.1 45.0 67.6

87 21.6 17.9 26.9

59 10.8 8.6 12.8

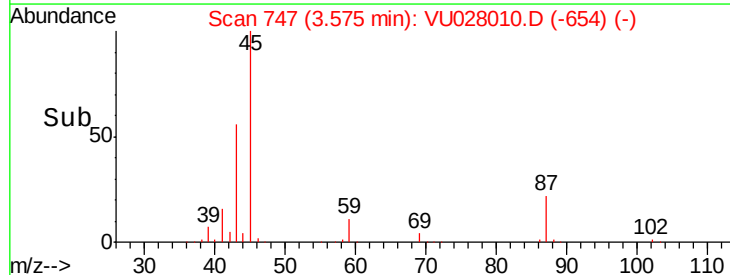
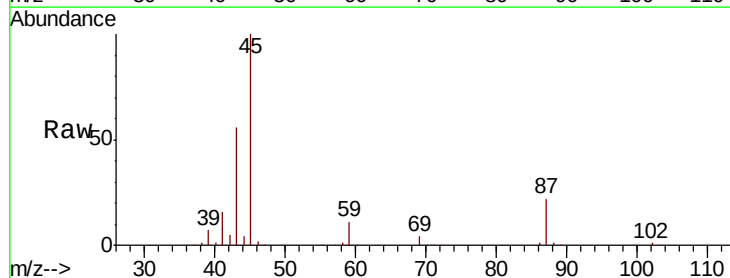
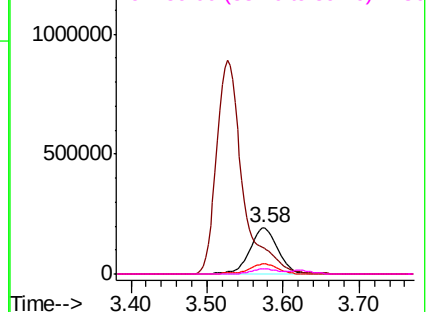
Abundance

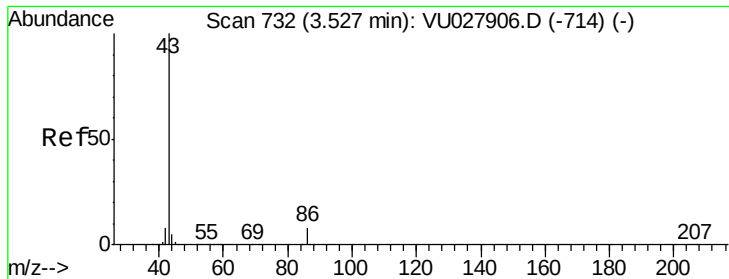
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 245.103 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2131798

Ion Ratio Lower Upper

43 100

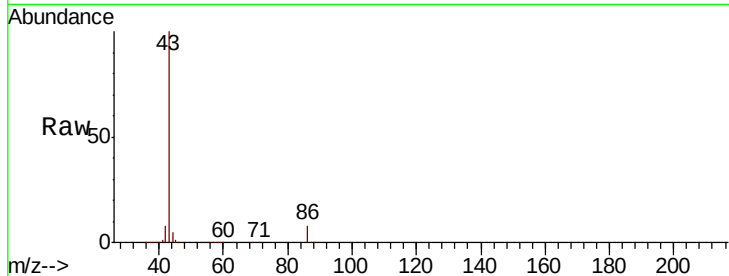
86 8.3 6.6 9.8

Manual Integrations

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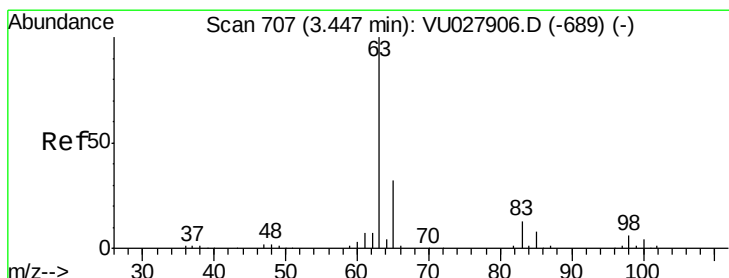
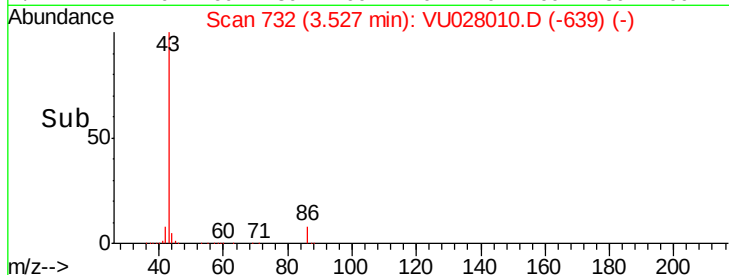
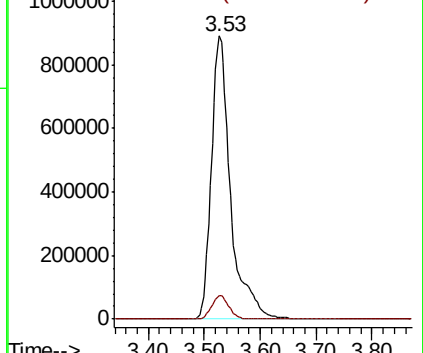
MMDadoda

11/9/2018 11:07:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.326 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

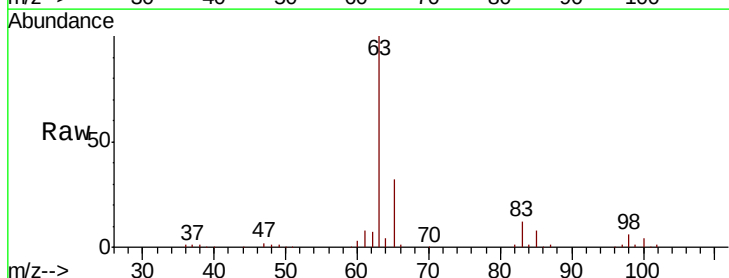
Tgt Ion: 63 Resp: 238564

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

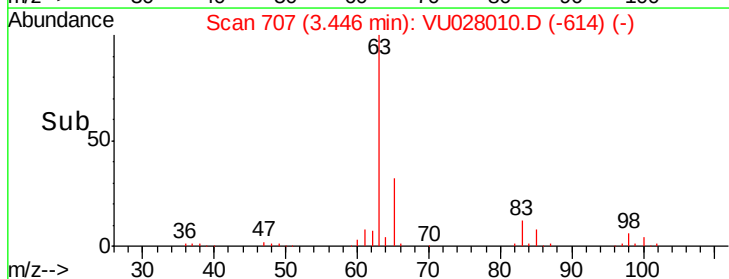
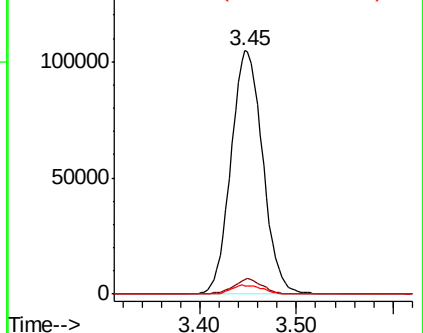
100 3.6 2.0 6.0

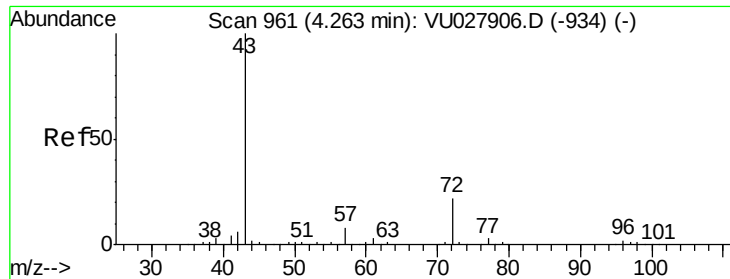


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 242.796 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 681862

Ion Ratio Lower Upper

43 100

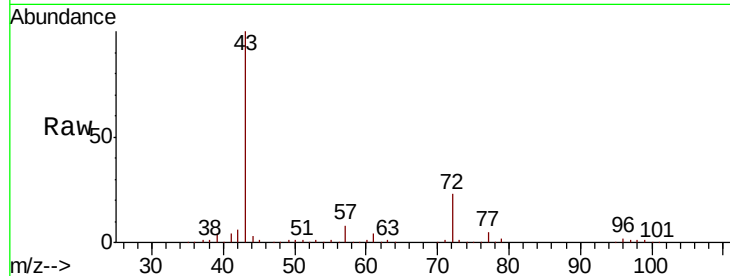
72 22.9 17.7 26.5

Manual Integrations

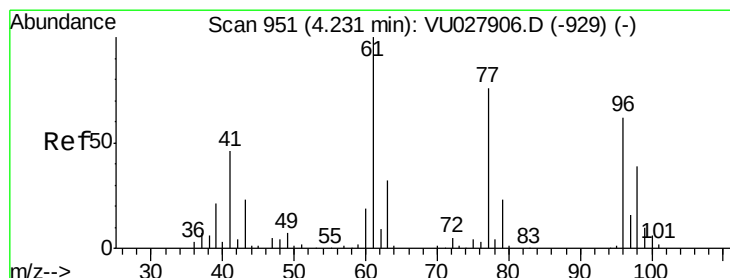
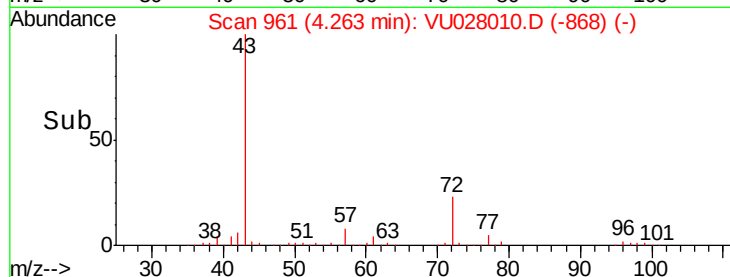
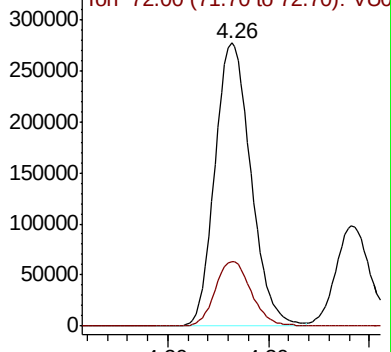
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11/9/2018 11:07:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)



#26

2,2-Dichloropropane

Concen: 49.514 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028010.D

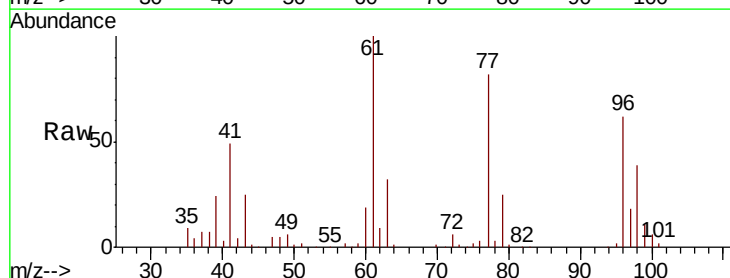
Acq: 07 Nov 2018 16:55

Tgt Ion: 77 Resp: 187306

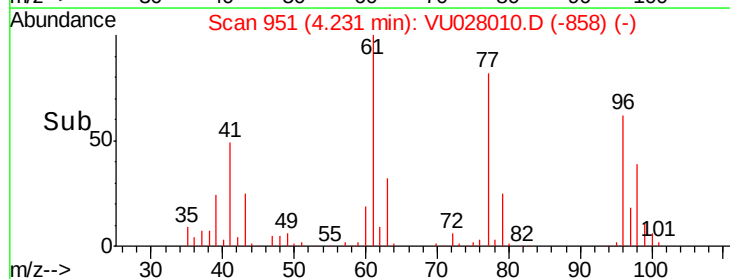
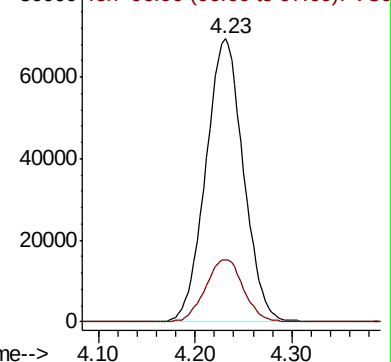
Ion Ratio Lower Upper

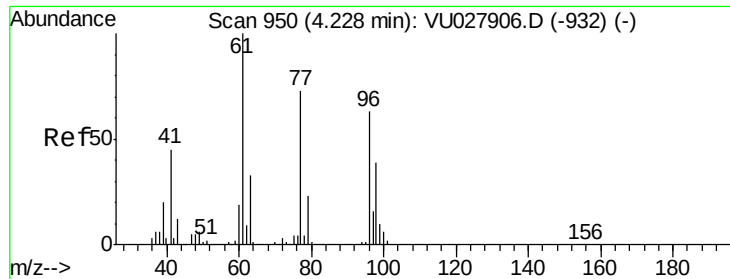
77 100

97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)





#27

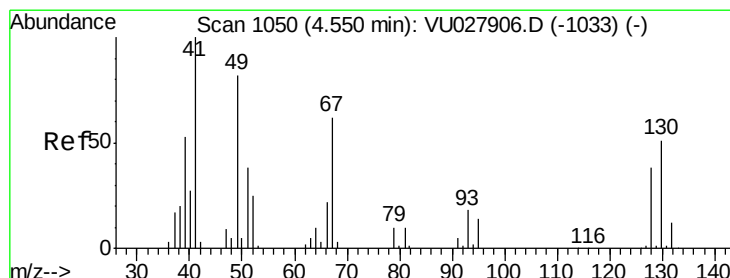
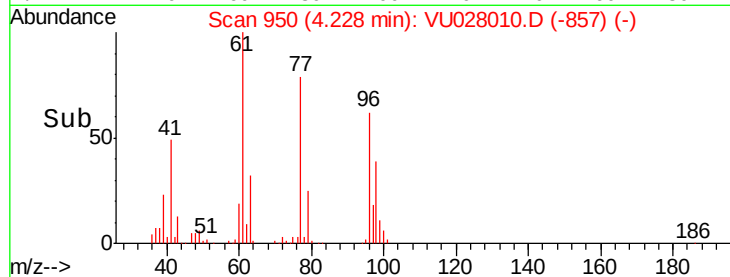
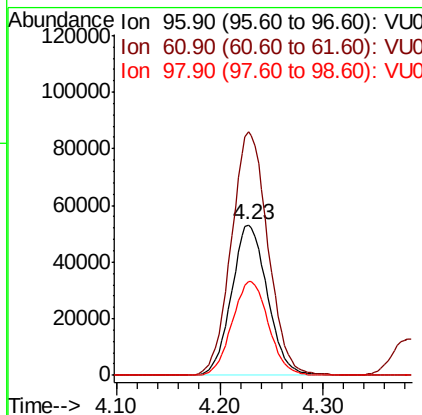
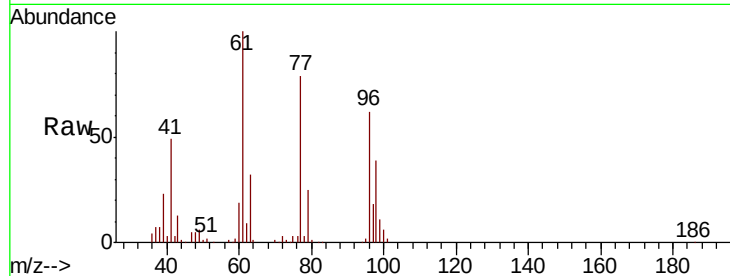
cis-1,2-Dichloroethene
Concen: 49.568 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128657		
61	165.3	0.0	329.6	
98	63.5	0.0	127.2	

Manual Integrations
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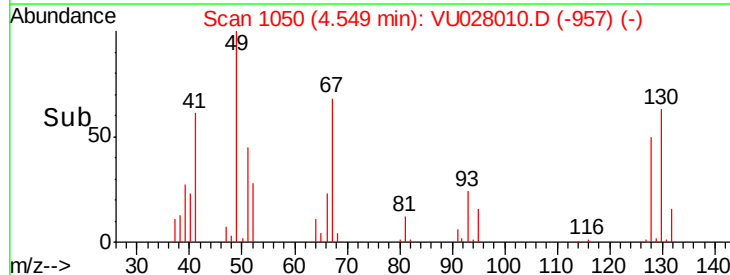
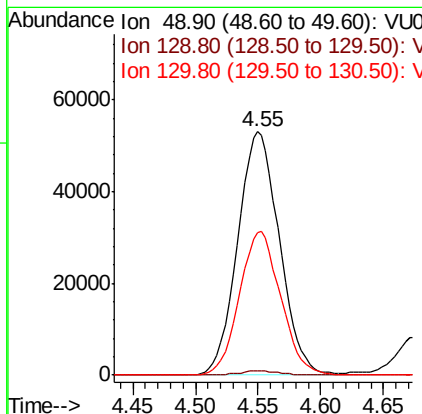
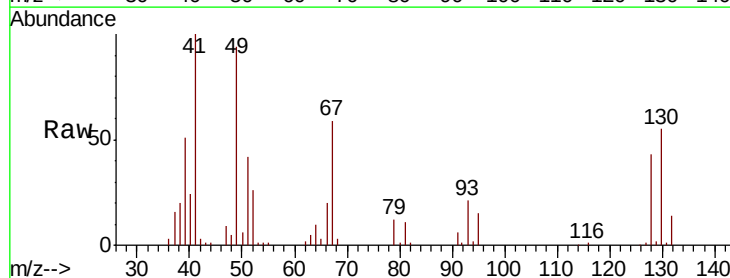
MMDadoda
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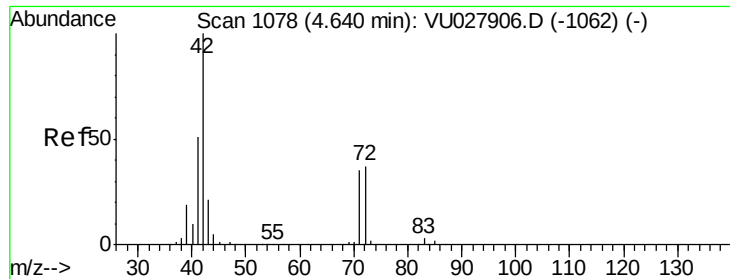


#28

Bromochloromethane
Concen: 51.871 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122579		
129	1.5	0.0	3.0	
130	58.4	47.8	71.6	





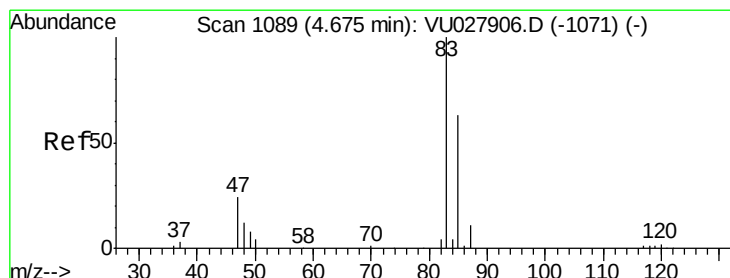
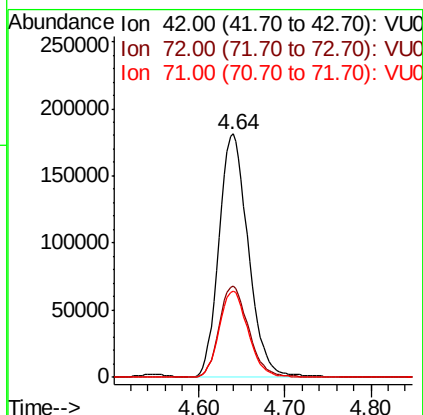
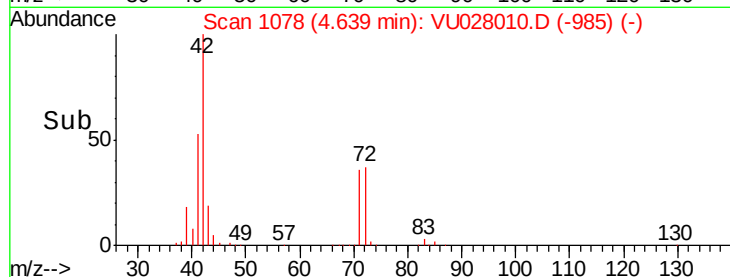
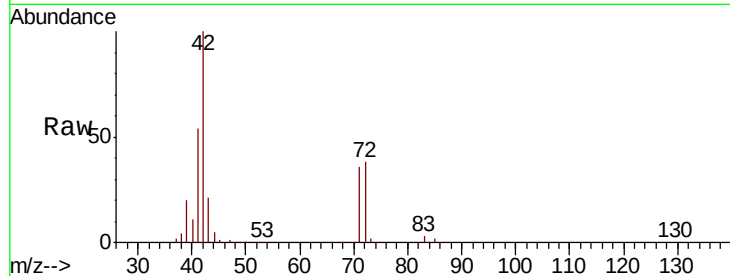
#29
Tetrahydrofuran
Concen: 228.946 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	29.4	44.0
71	35.1	27.9	41.9

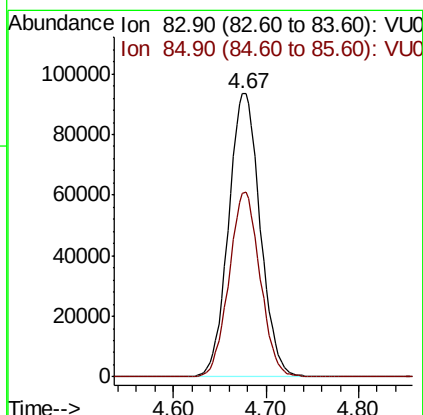
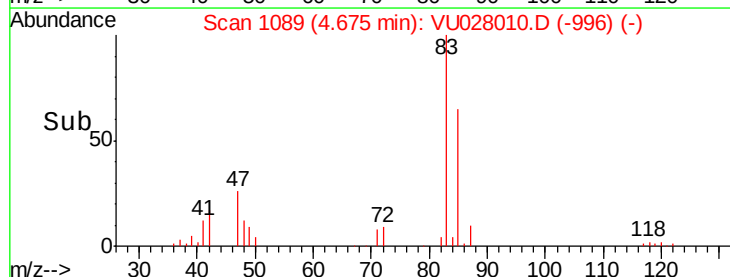
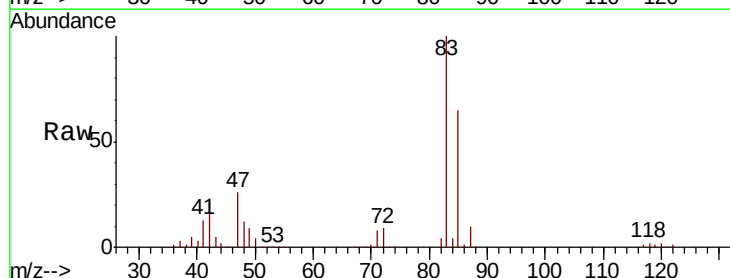
Manual Integrations
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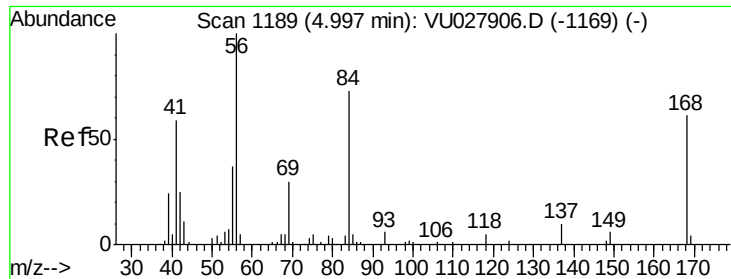
MMDadoda
11/9/2018 11:07:06 AM



#30
Chloroform
Concen: 47.924 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.6	76.0





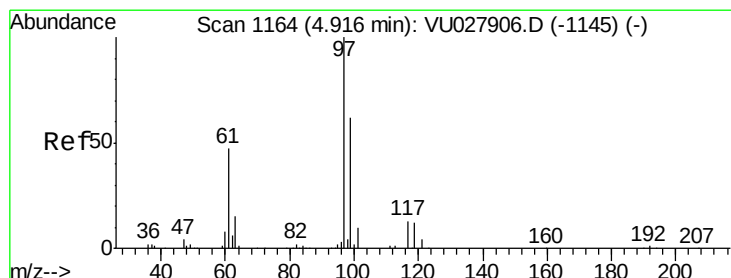
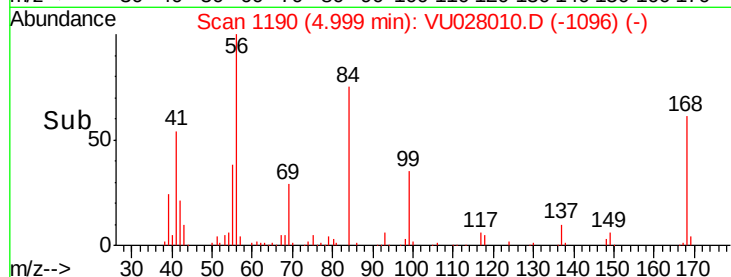
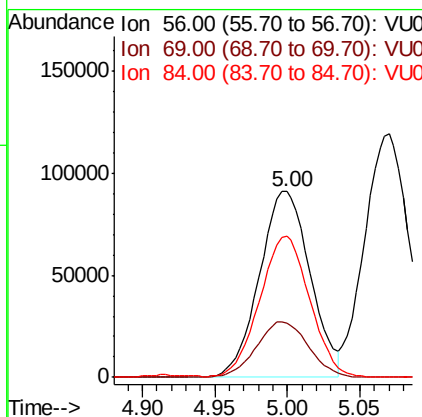
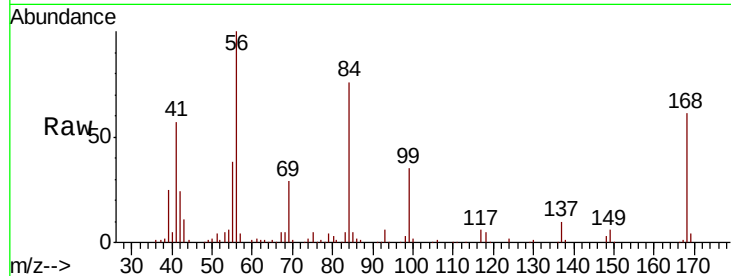
#31
Cyclohexane
Concen: 44.679 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	75.3	58.2	87.4

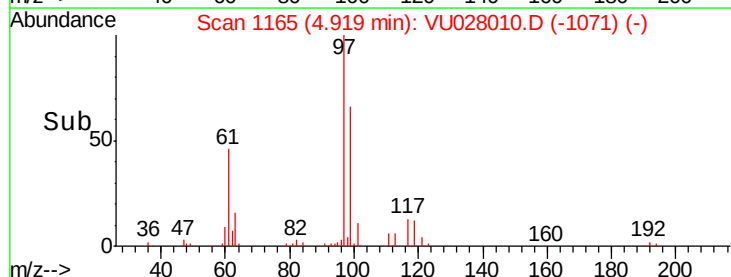
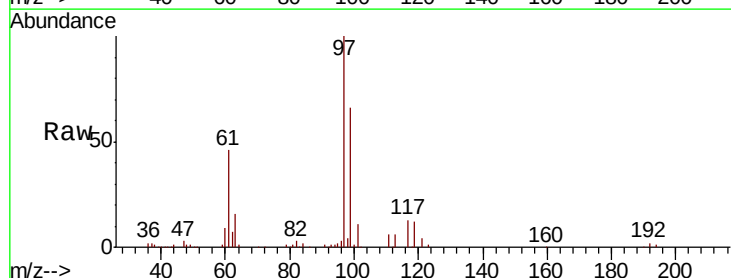
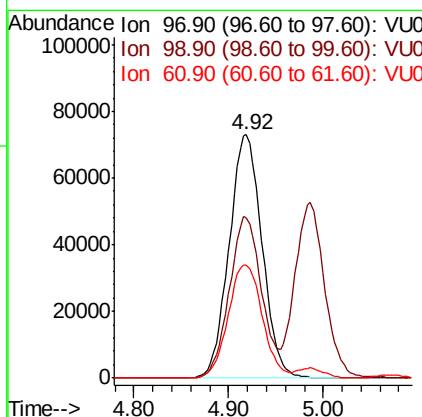
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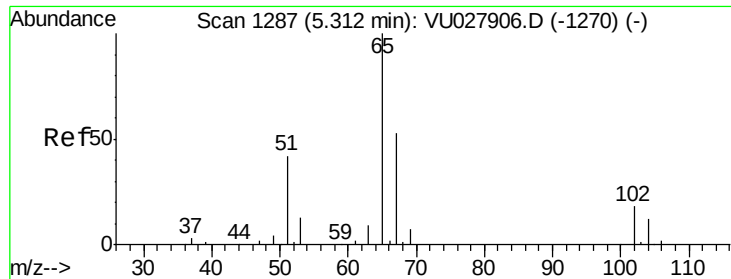
MMDadoda
11/9/2018 11:07:06 AM



#32
1,1,1-Trichloroethane
Concen: 48.039 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.5	75.7
61	48.1	38.3	57.5





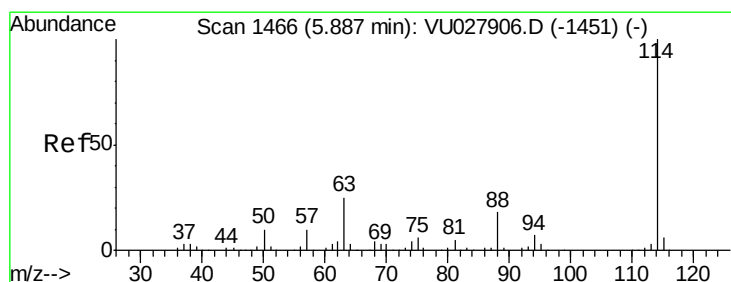
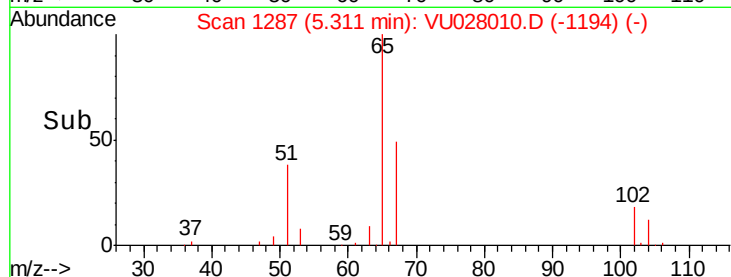
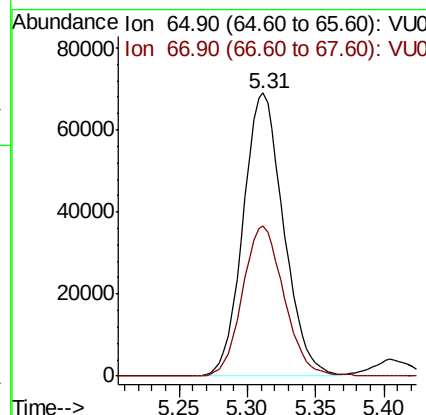
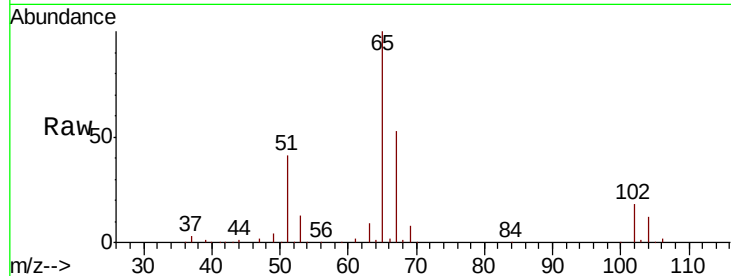
#33
 1,2-Dichloroethane-d4
 Concen: 50.038 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142369		
67	54.3	0.0	109.0	

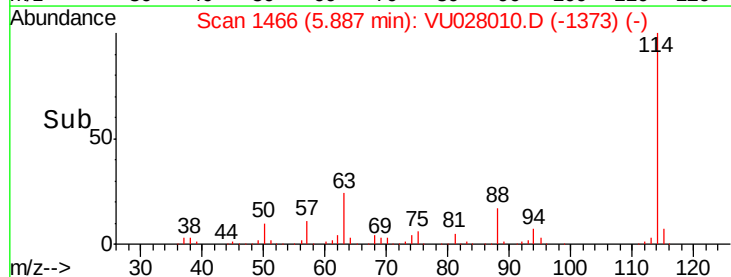
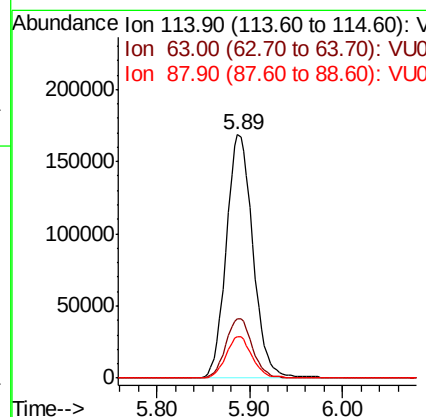
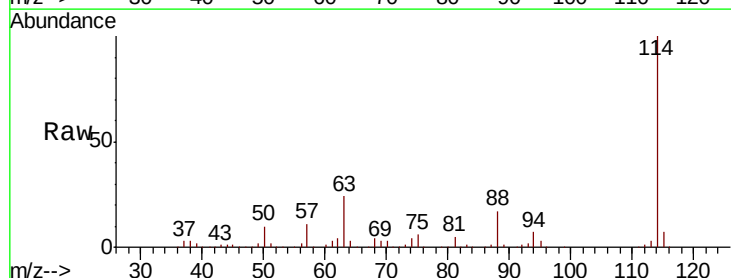
Manual Integrations
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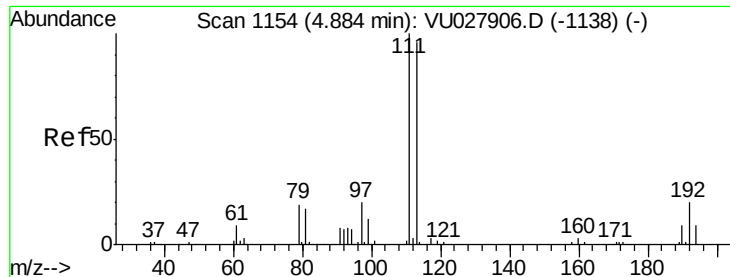
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 11/9/2018 11:07:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	336357		
63	24.4	0.0	50.8	
88	17.2	0.0	35.8	





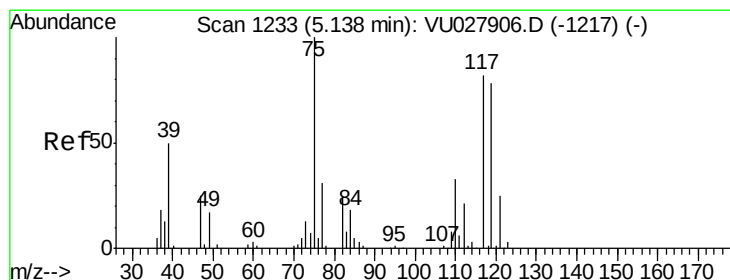
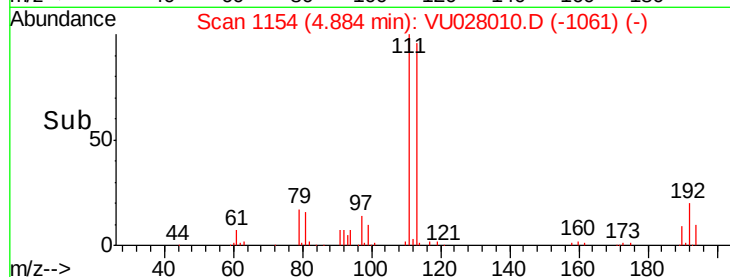
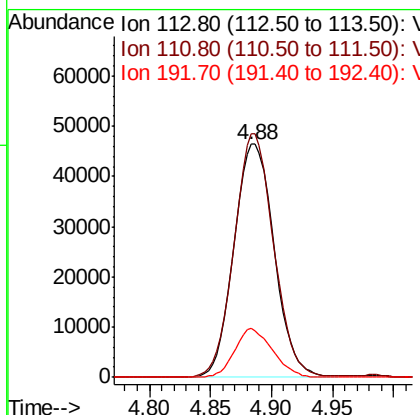
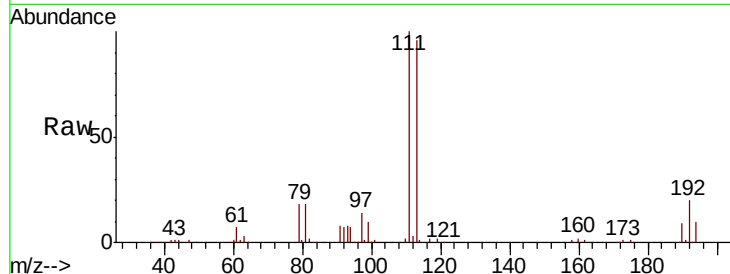
#35
 Dibromofluoromethane
 Concen: 50.206 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.0	124.6	
192	19.5	15.6	23.4	

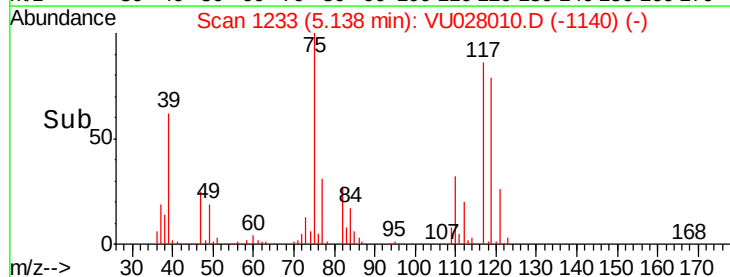
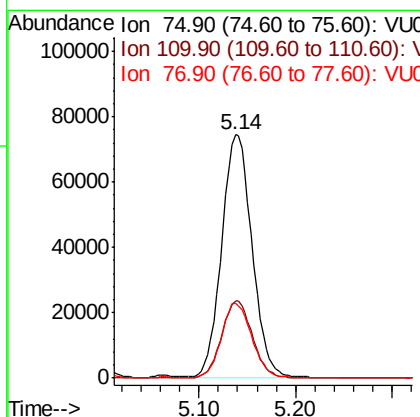
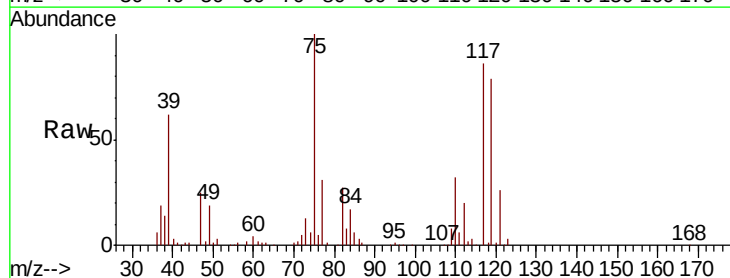
Manual Integrations
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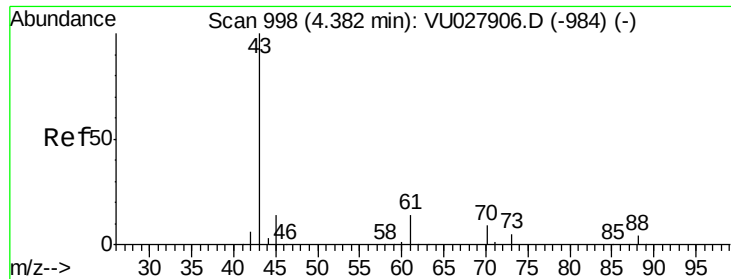
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 11/9/2018 11:07:06 AM



#36
 1,1-Dichloropropene
 Concen: 46.355 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.9	16.5	49.5	
77	30.9	24.9	37.3	





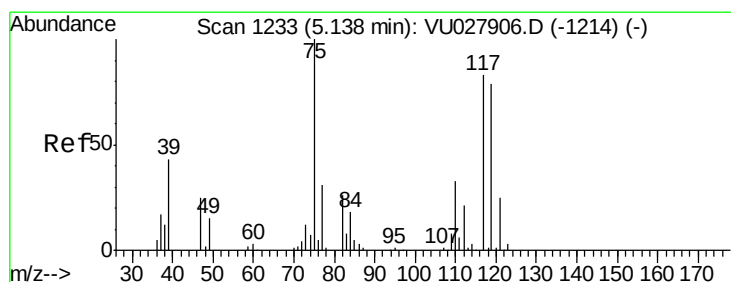
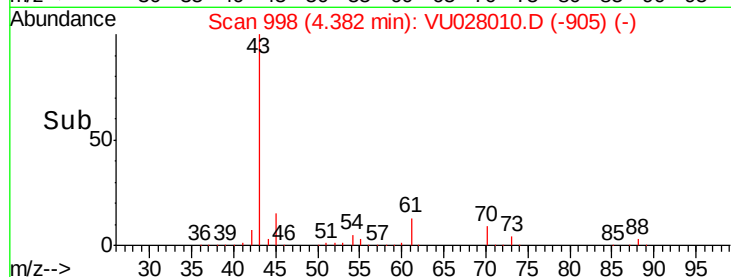
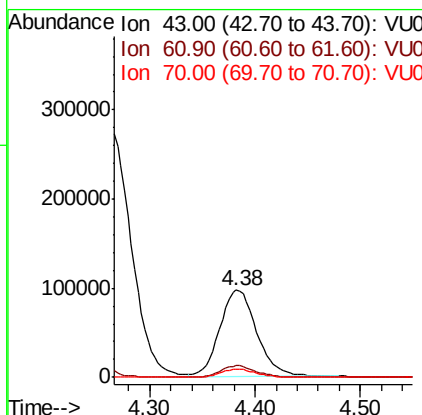
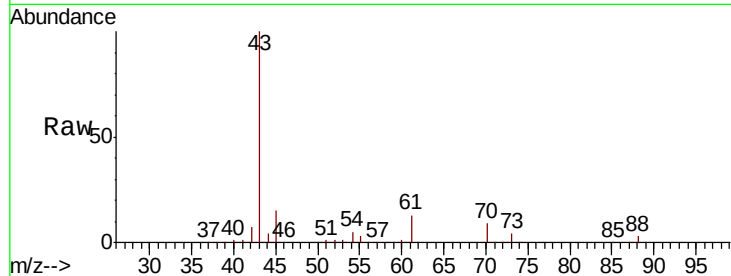
#37
Ethyl Acetate
Concen: 45.795 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.1	7.0	10.6

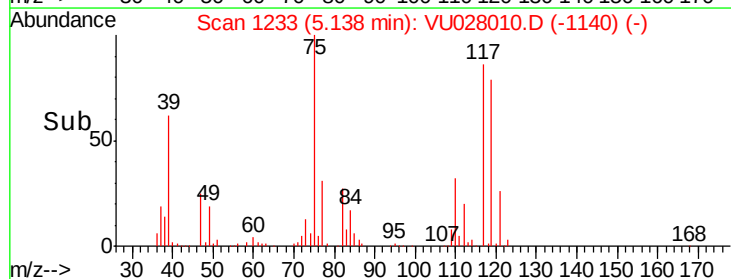
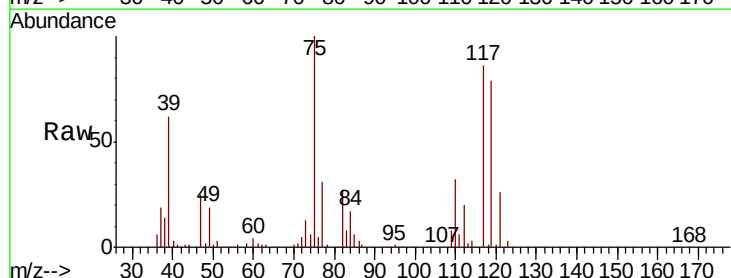
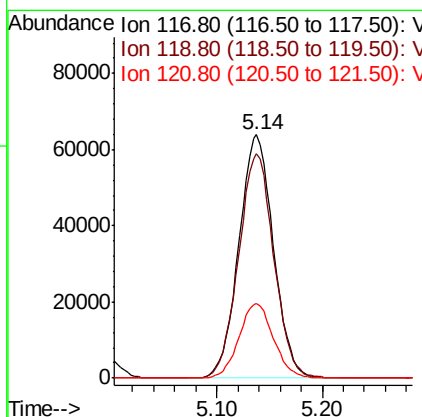
Manual Integrations
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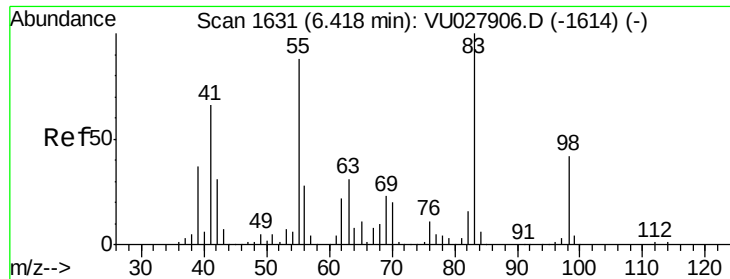
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#38
Carbon Tetrachloride
Concen: 46.535 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.0	114.0
121	30.5	24.5	36.7





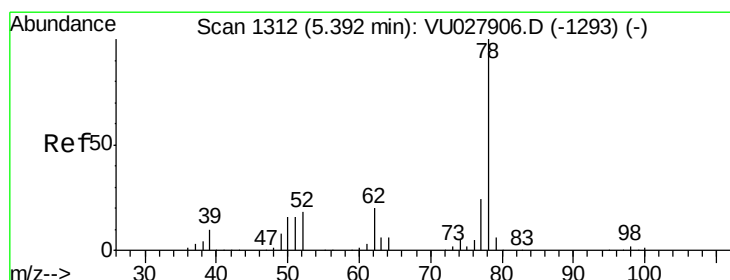
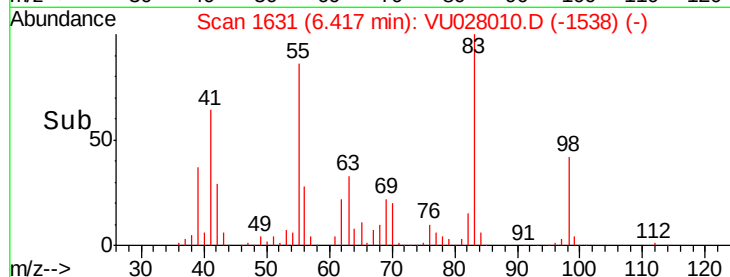
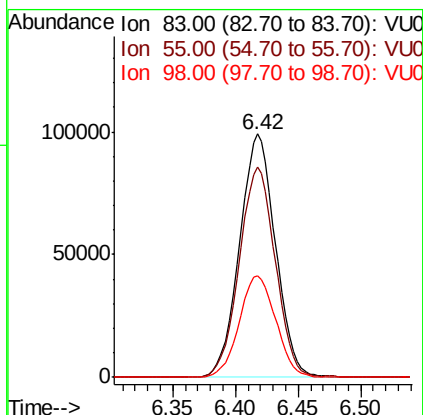
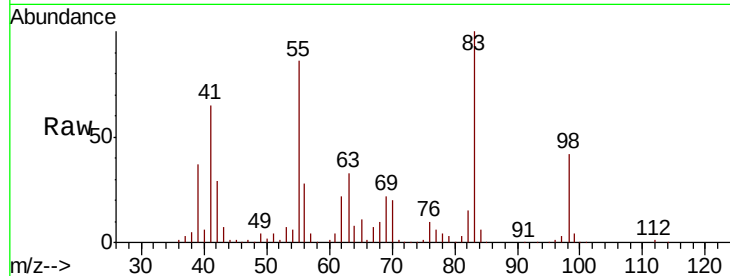
#39
Methylvlcyclohexane
Concen: 46.433 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.3	70.3	105.5
98	41.6	34.0	51.0

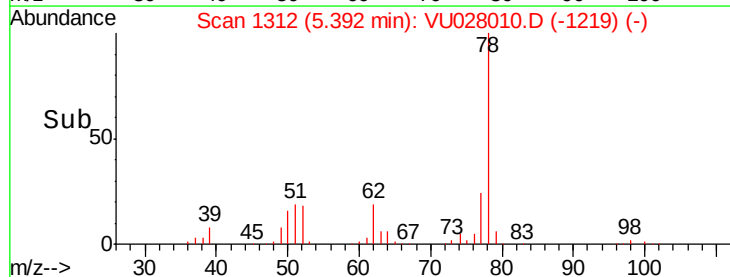
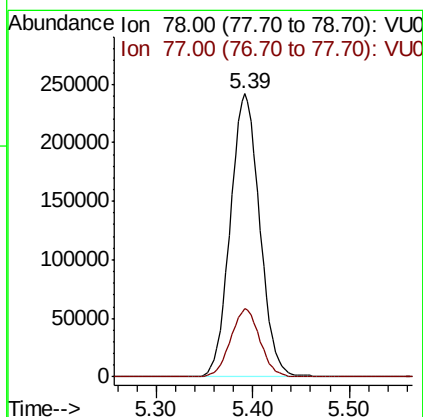
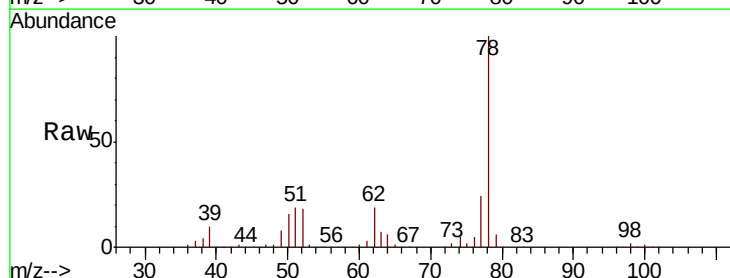
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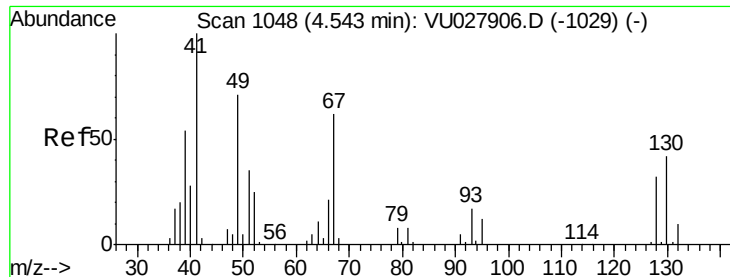
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11/9/2018 11:07:06 AM



#40
Benzene
Concen: 47.382 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





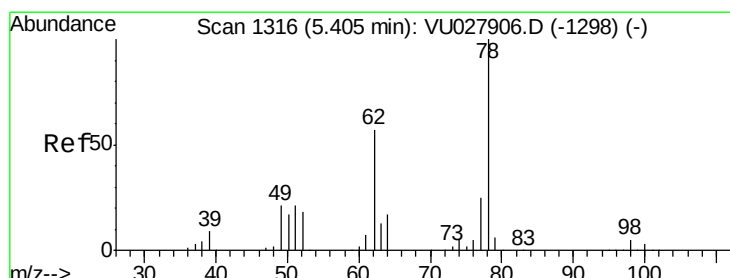
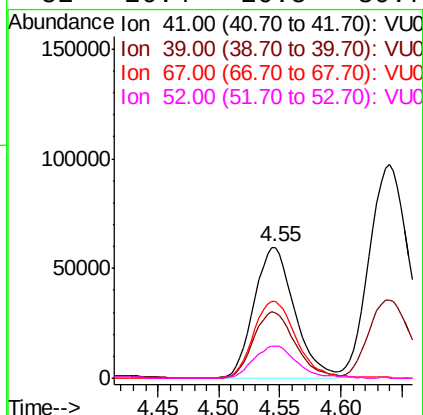
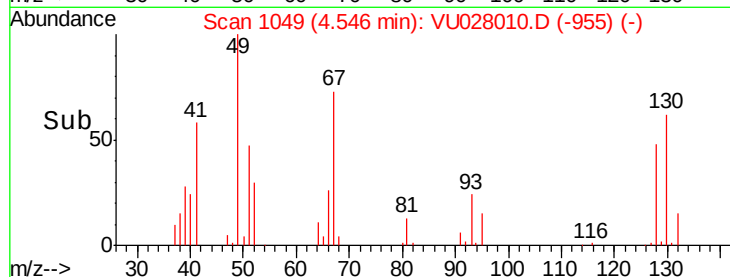
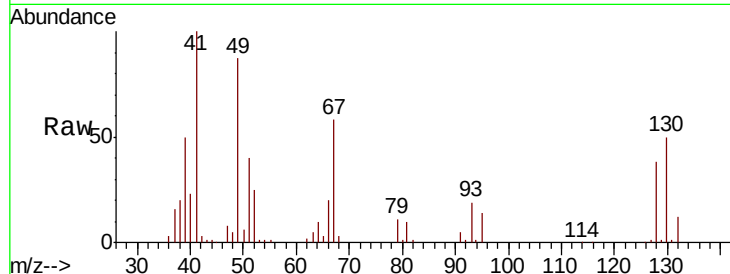
#41
Methacrylonitrile
Concen: 50.080 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.2	63.4	
67	62.4	49.5	74.3	
52	26.4	20.5	30.7	

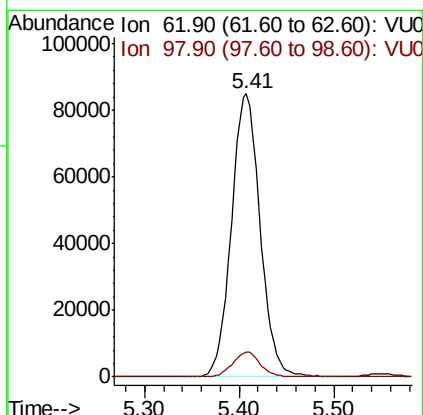
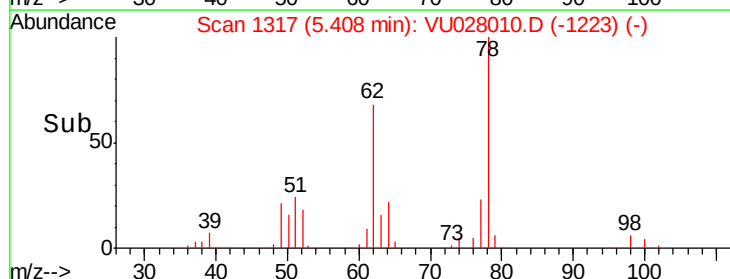
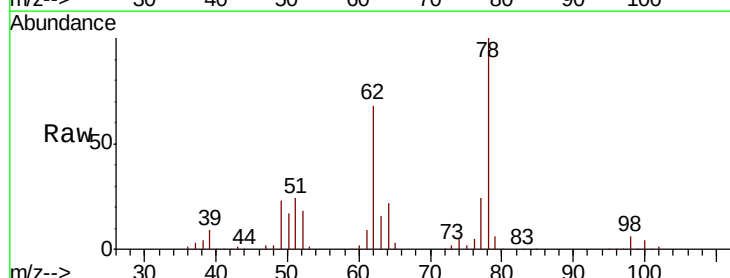
Manual Integrations
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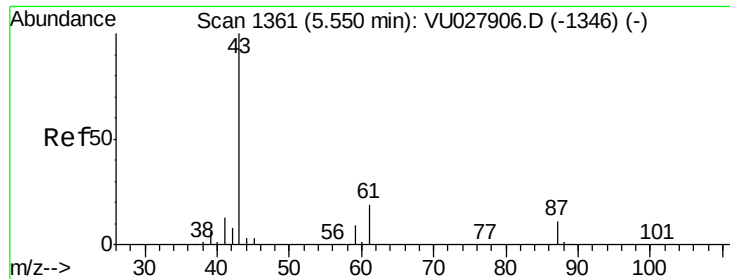
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11/9/2018 11:07:06 AM



#42
1,2-Dichloroethane
Concen: 46.805 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





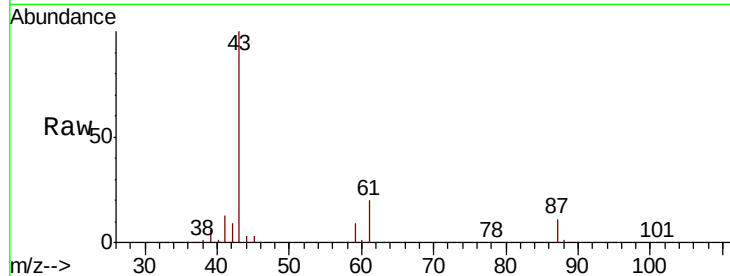
#43
Isopropyl Acetate
Concen: 47.149 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

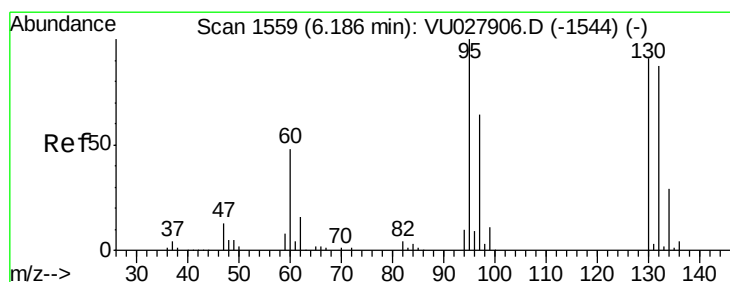
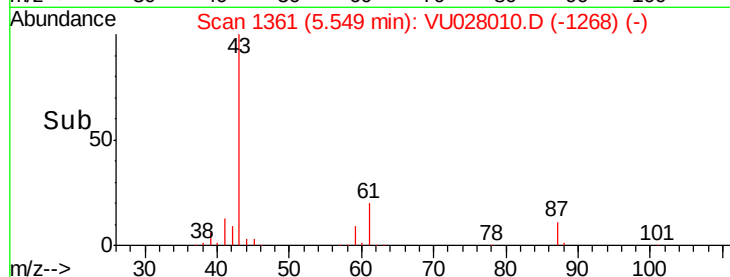
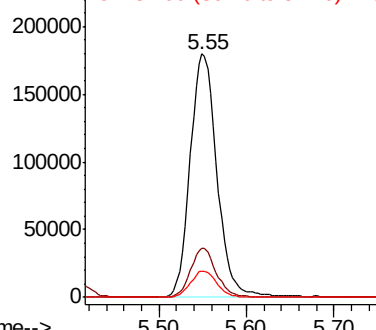
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.0	22.4
87	10.8	8.6	12.8

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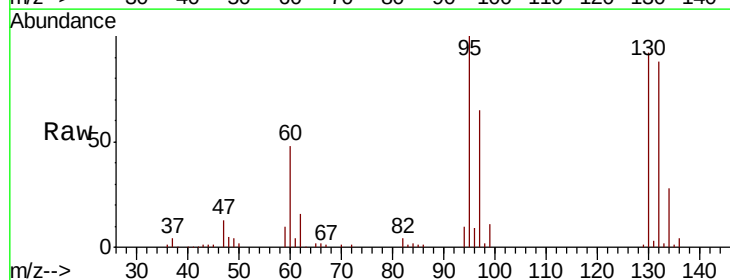


Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

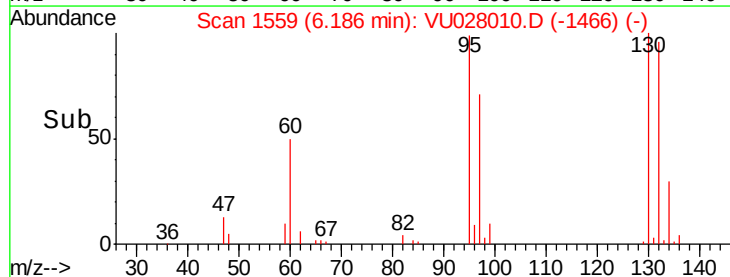
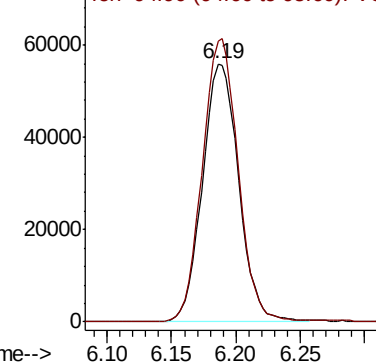


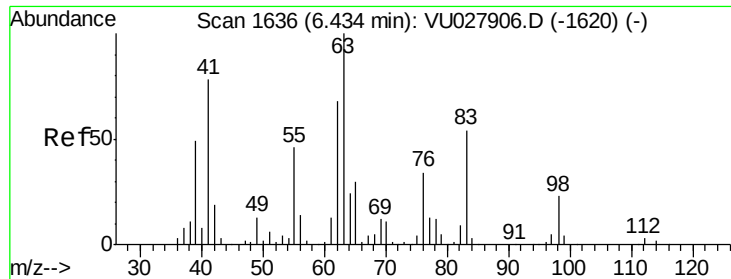
#44
Trichloroethene
Concen: 47.254 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)





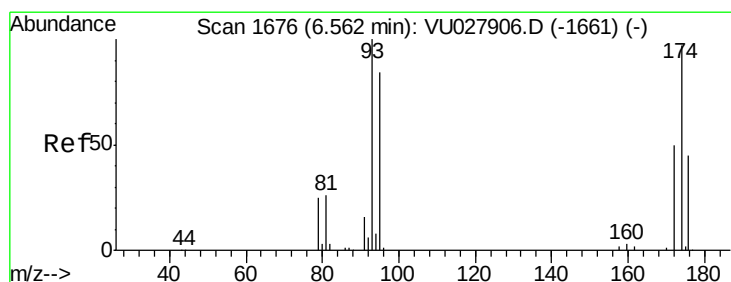
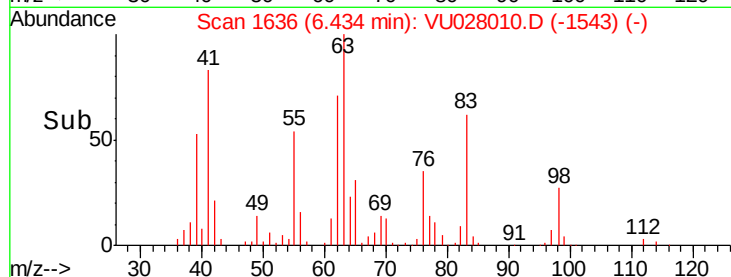
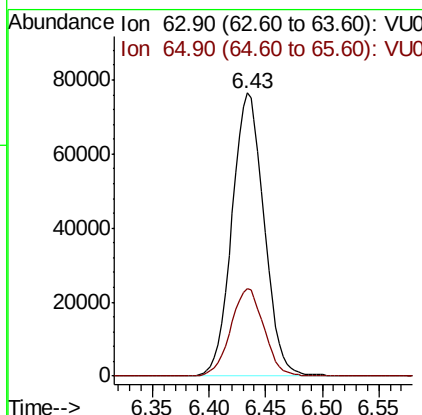
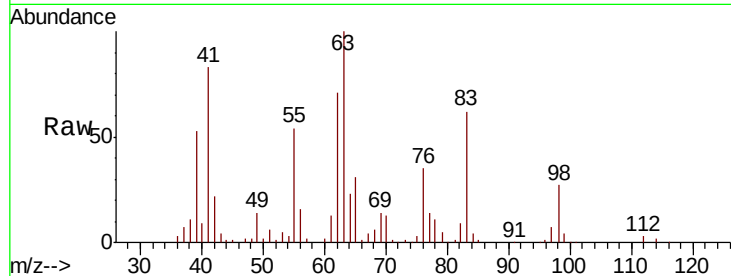
#45
 1,2-Dichloropropane
 Concen: 48.683 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 151218
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6

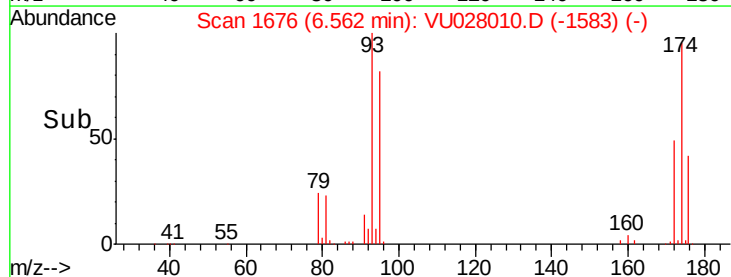
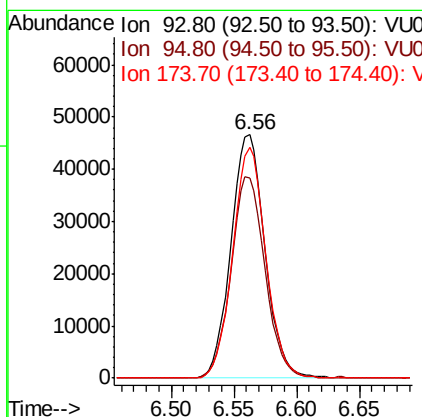
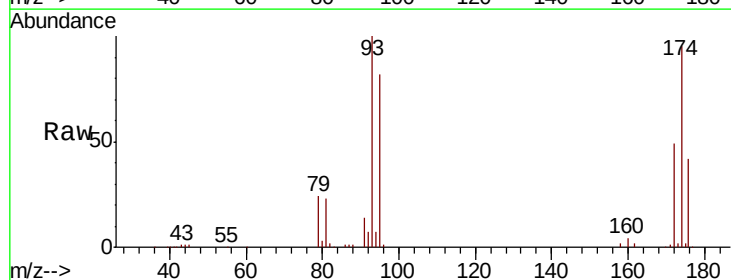
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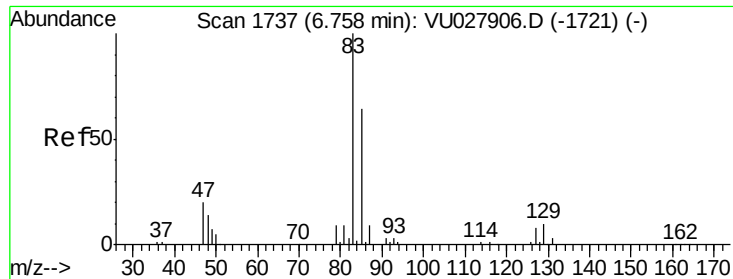
MMDadoda
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#46
 Dibromomethane
 Concen: 49.265 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion: 93 Resp: 87960
 Ion Ratio Lower Upper
 93 100
 95 82.6 68.5 102.7
 174 92.0 76.1 114.1





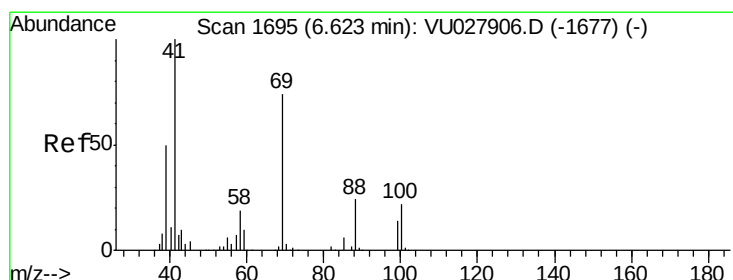
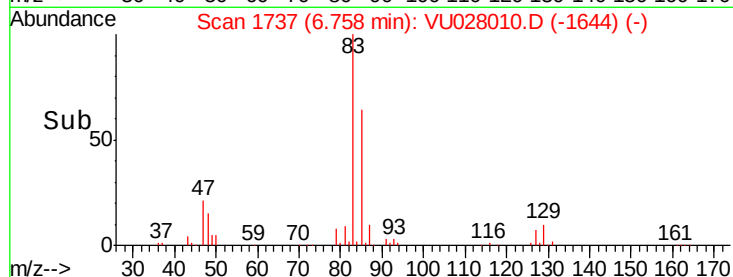
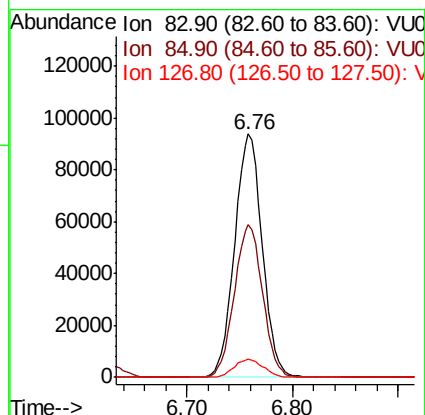
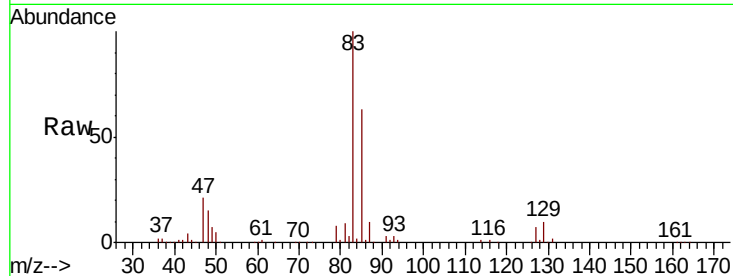
#47
Bromodichloromethane
Concen: 49.380 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	169903
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.0	76.6
127	7.3	6.2	9.4

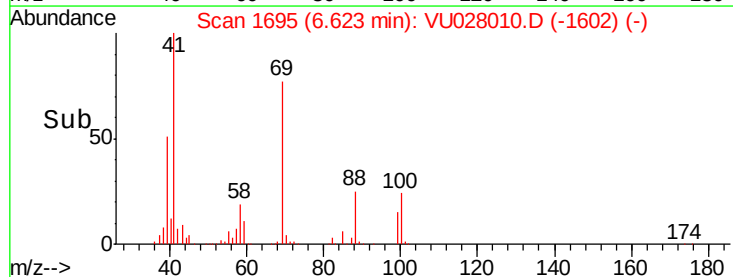
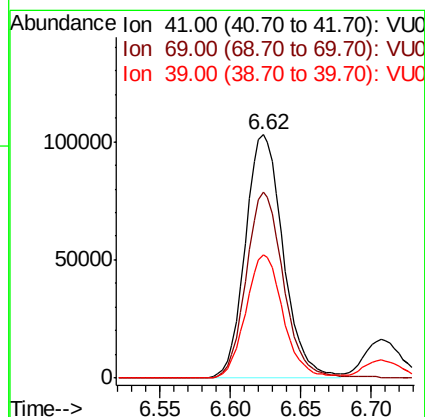
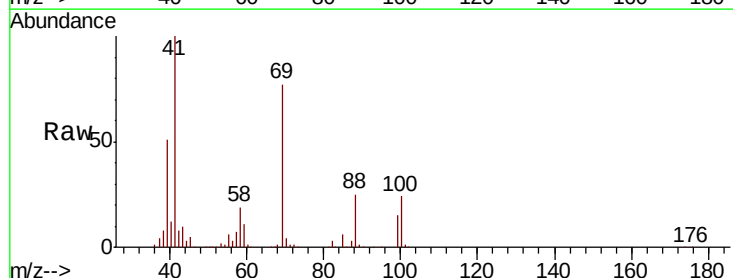
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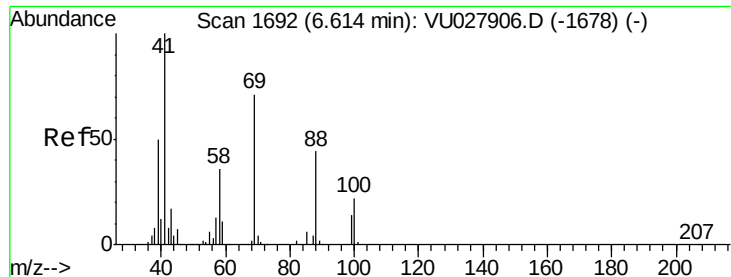
MMDadoda
11/9/2018 11:07:06 AM



#48
Methyl methacrylate
Concen: 48.858 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	41	Resp	193616
Ion Ratio	100	Lower	Upper
41	100		
69	75.8	59.8	89.8
39	50.2	40.0	60.0





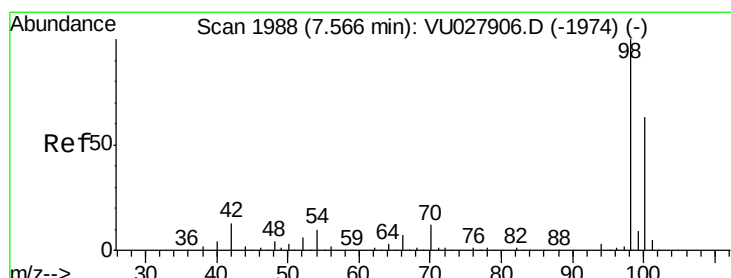
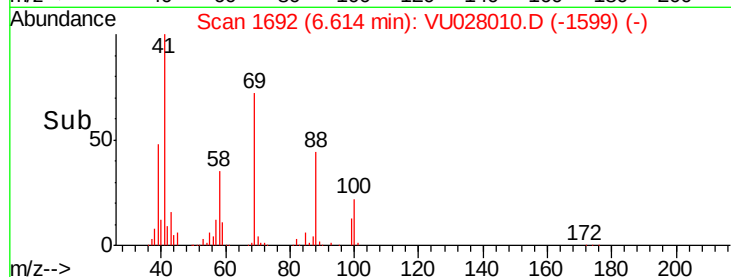
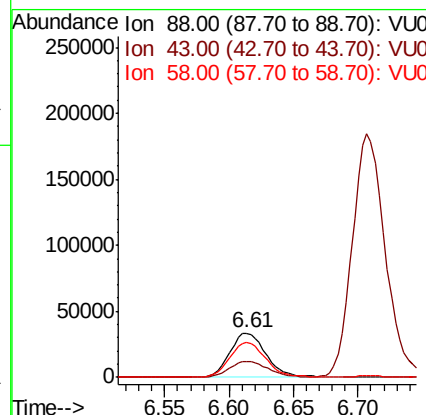
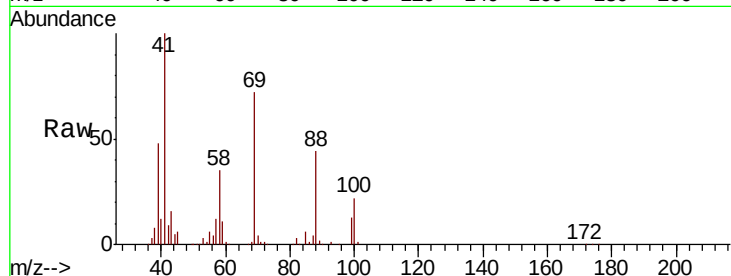
#49
1,4-Dioxane
Concen: 997.750 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.5	45.7
58	80.6	67.1	100.7

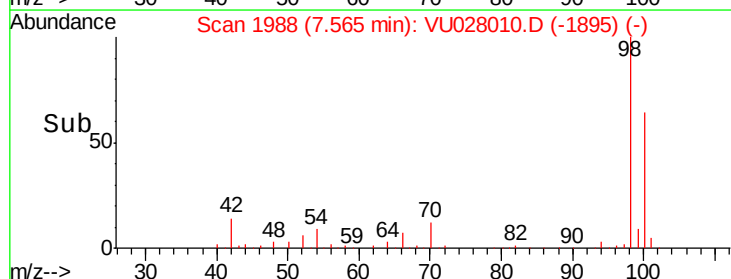
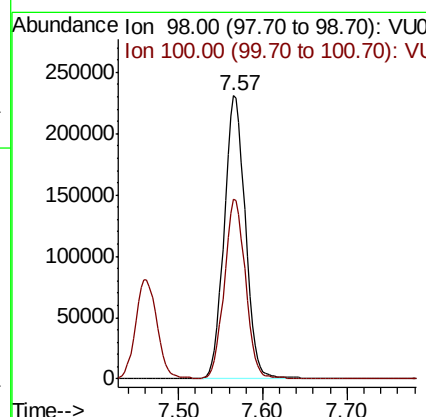
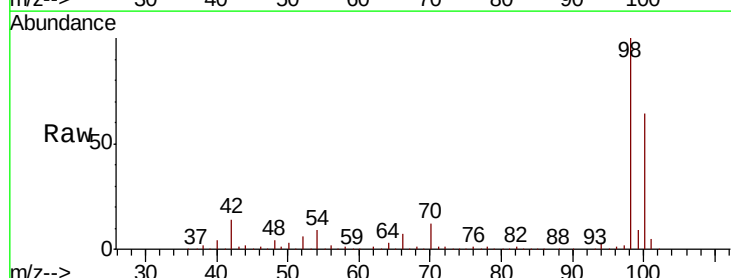
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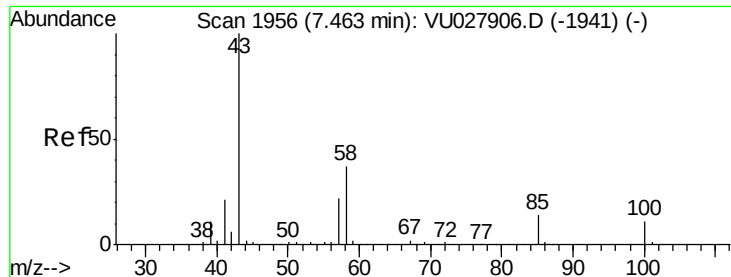
MMDadoda
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#50
Toluene-d8
Concen: 49.306 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 236.759 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1278647

Ion Ratio Lower Upper

43 100

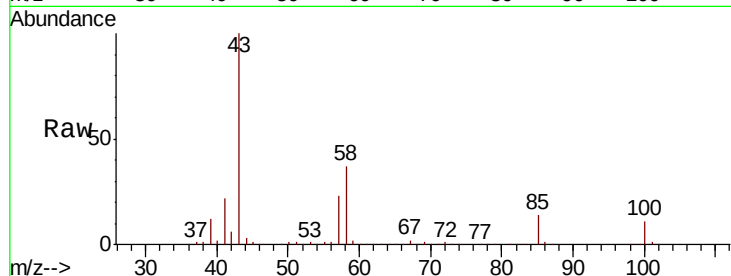
58 37.1 29.5 44.3

Manual Integrations

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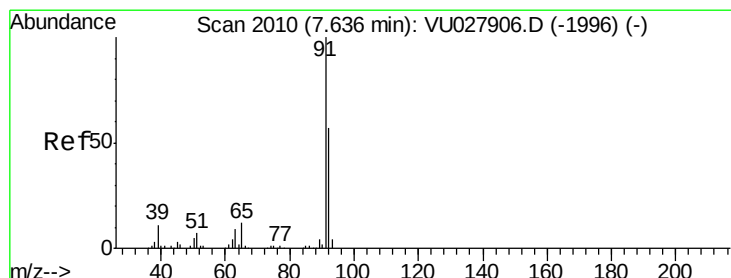
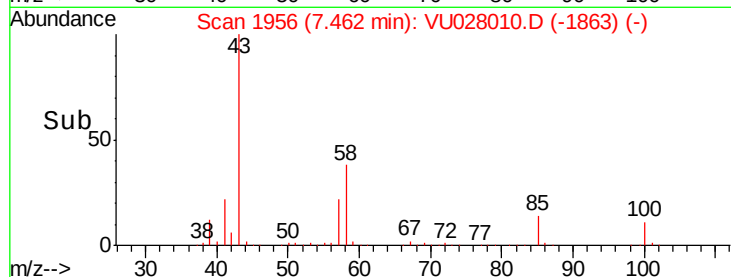
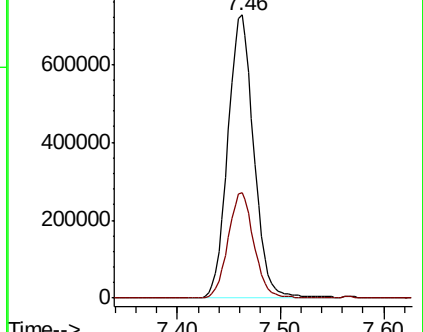
MMDadoda

11/9/2018 11:07:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)



#52

Toluene

Concen: 47.731 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028010.D

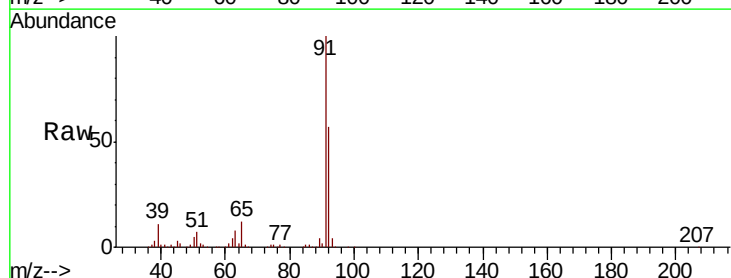
Acq: 07 Nov 2018 16:55

Tgt Ion: 92 Resp: 302225

Ion Ratio Lower Upper

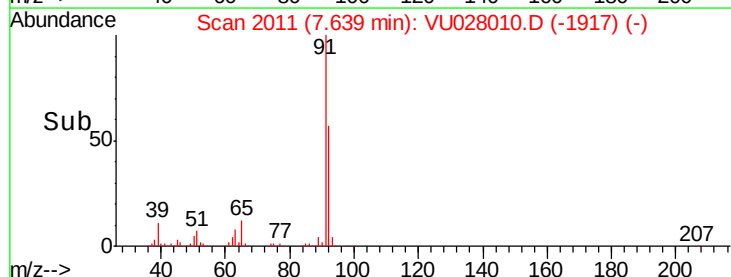
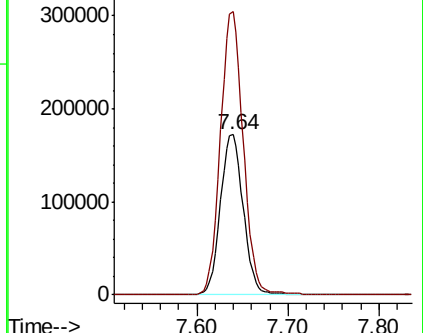
92 100

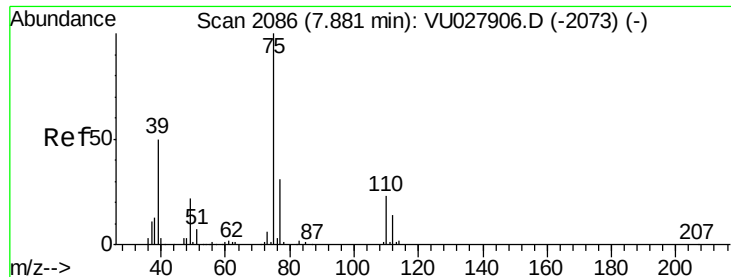
91 176.2 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)





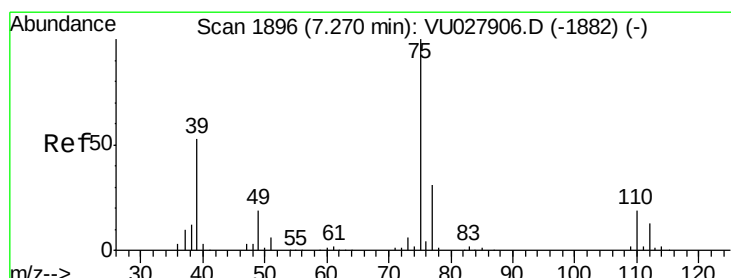
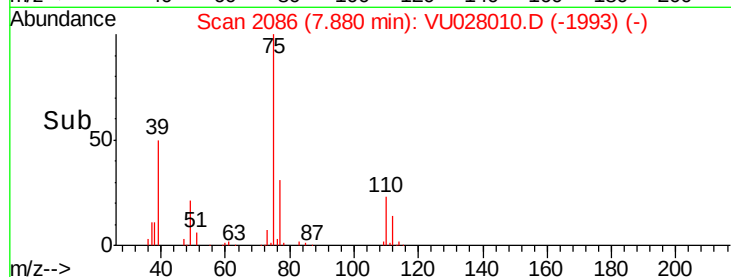
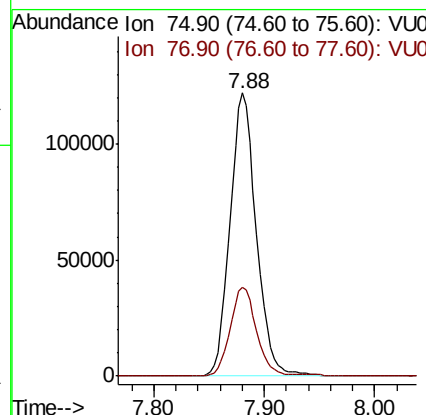
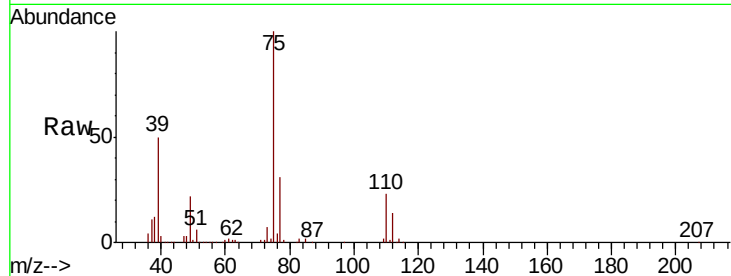
#53
 t-1,3-Dichloropropene
 Concen: 47.315 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 201624
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7

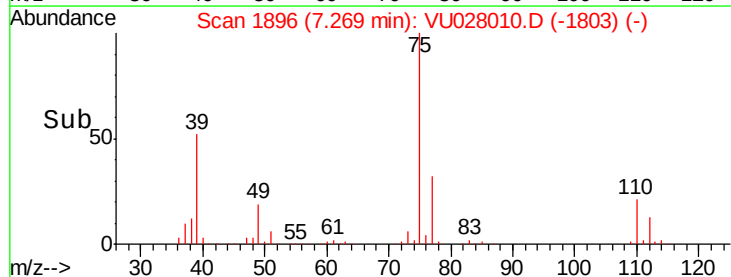
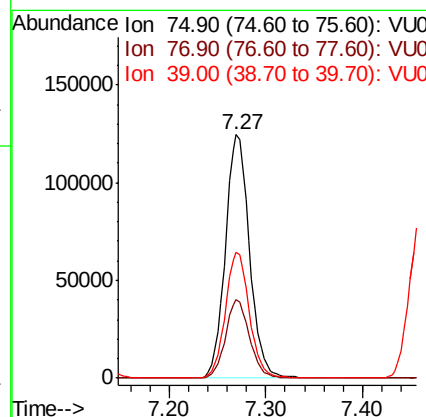
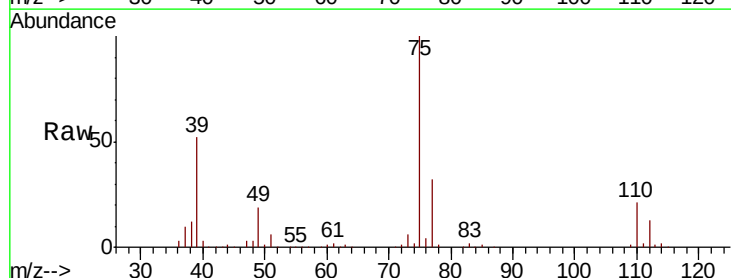
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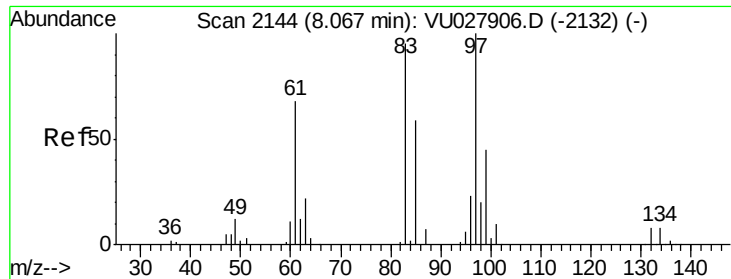
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#54
 cis-1,3-Dichloropropene
 Concen: 50.857 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion: 75 Resp: 215713
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.6 37.0
 39 51.5 42.6 64.0





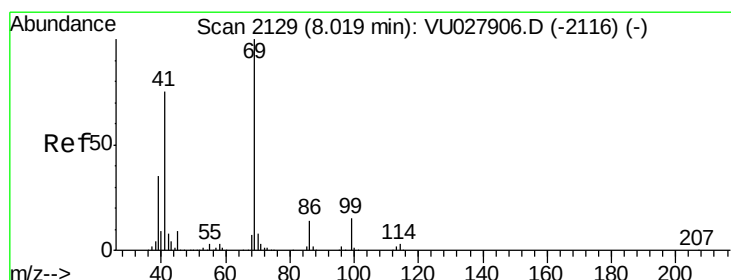
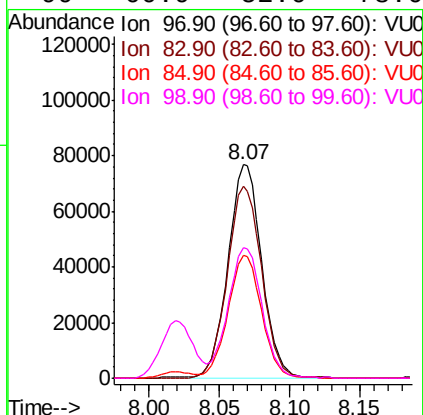
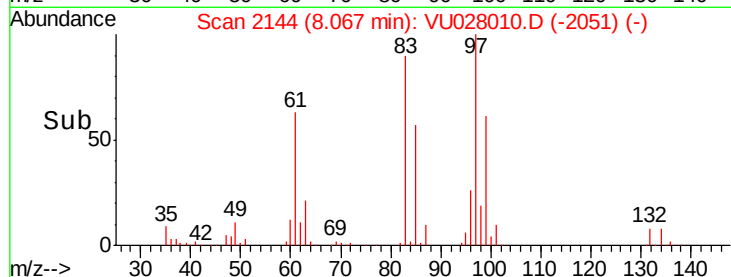
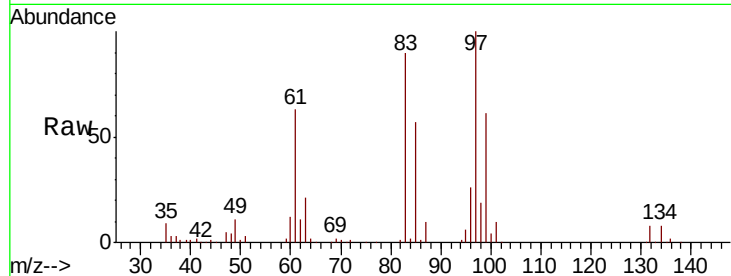
#55
 1,1,2-Trichloroethane
 Concen: 49.391 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	127235
Ion Ratio	Lower	Upper	
97	100		
83	89.6	76.1	114.1
85	57.4	48.9	73.3
99	60.9	52.0	78.0

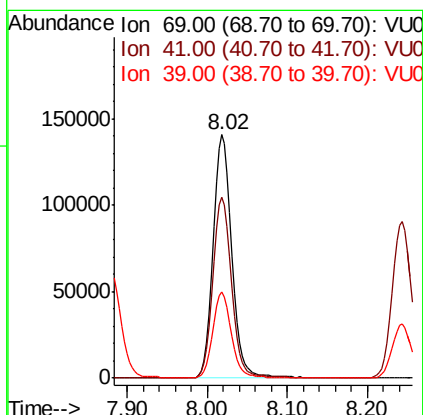
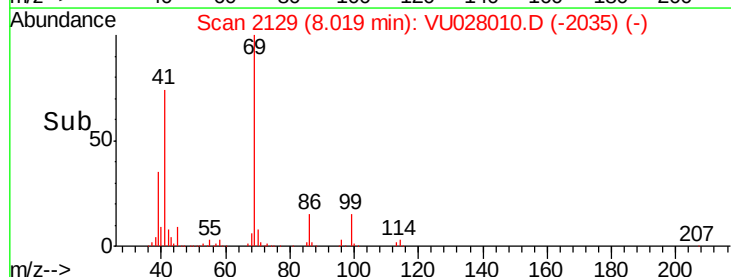
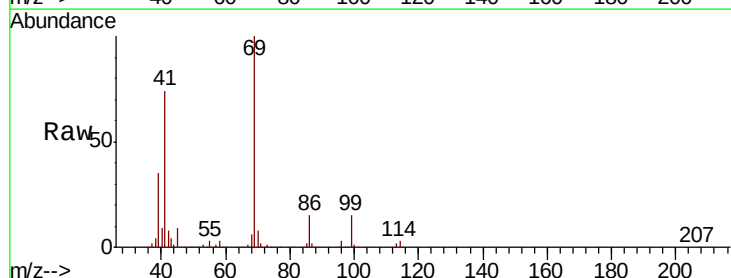
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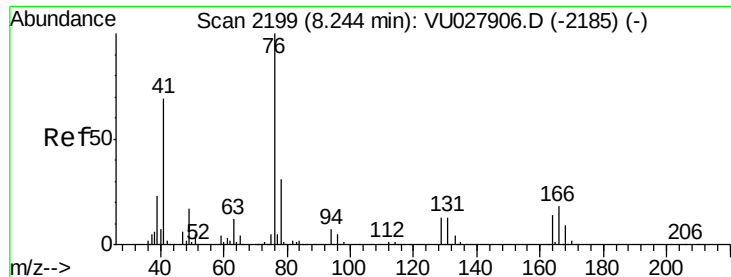
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 11/9/2018 11:07:06 AM



#56
 Ethyl methacrylate
 Concen: 50.682 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	69	Resp	230243
Ion Ratio	Lower	Upper	
69	100		
41	74.8	59.8	89.6
39	34.9	28.6	42.8





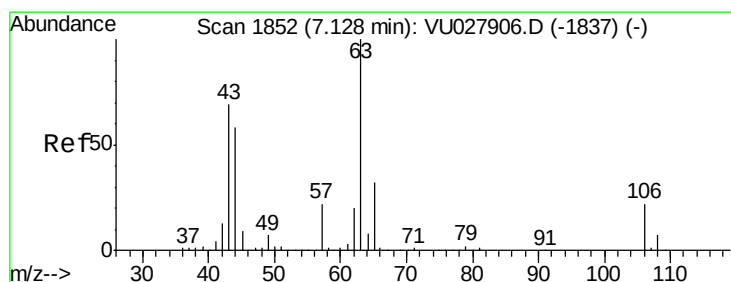
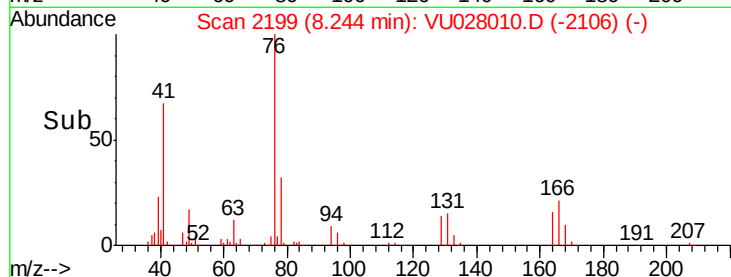
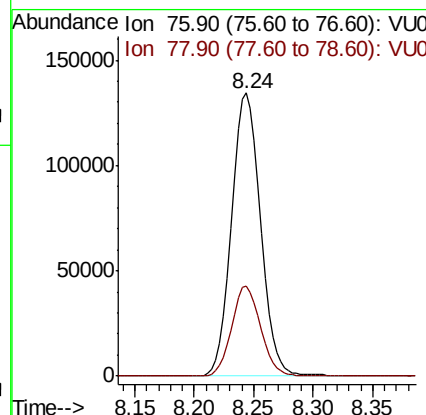
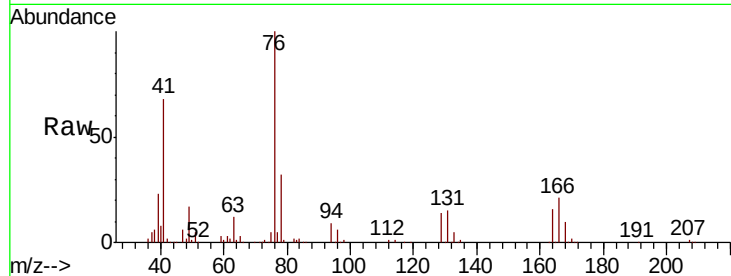
#57
 1,3-Dichloropropane
 Concen: 48.521 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 227689
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9

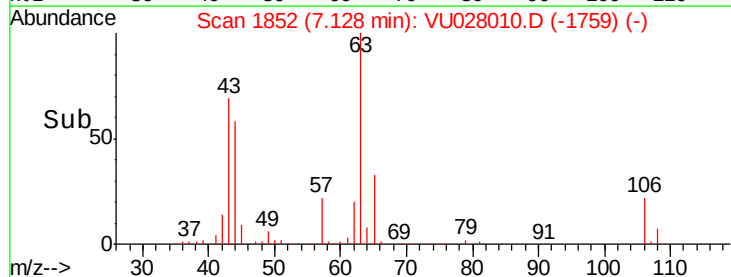
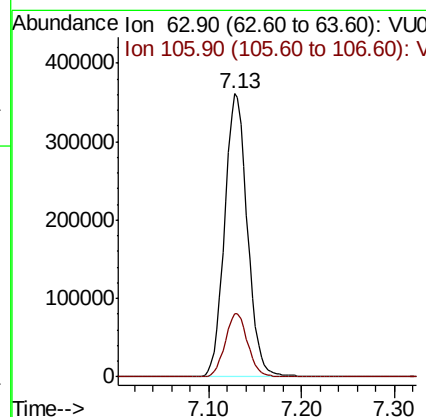
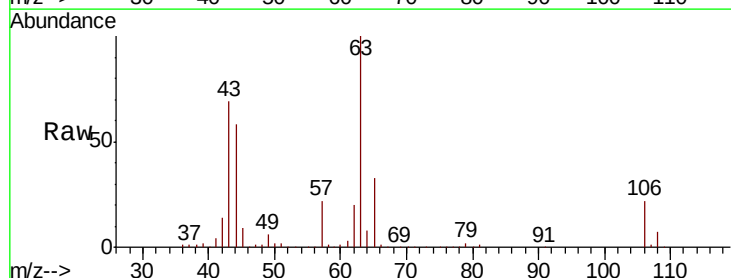
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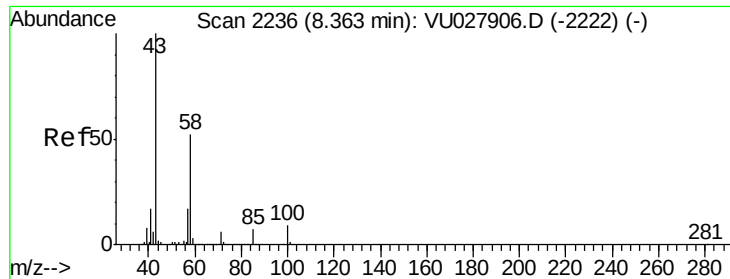
MMDadoda
 11/9/2018 11:07:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.700 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion: 63 Resp: 614840
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6





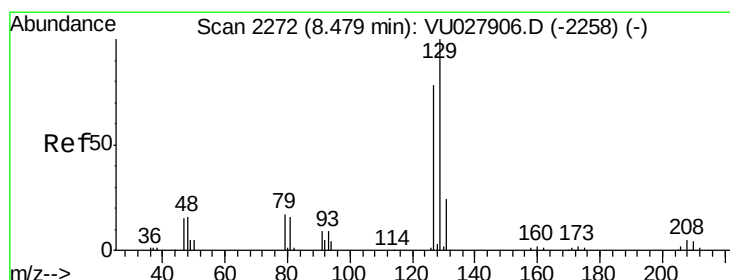
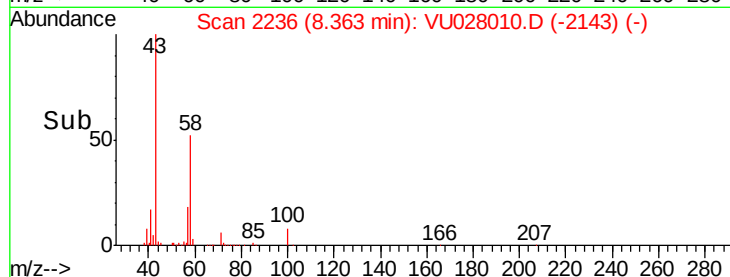
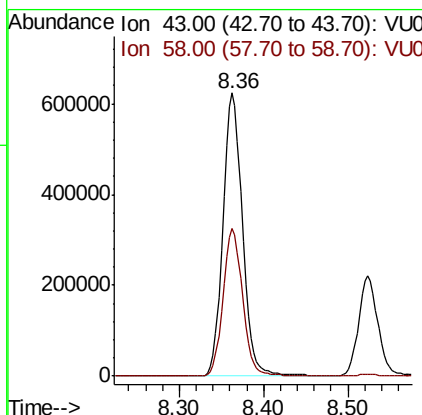
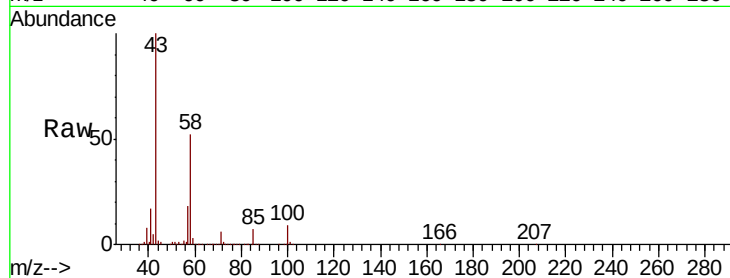
#59
2-Hexanone
Concen: 240.393 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1004125
Ion Ratio Lower Upper
43 100
58 52.1 25.8 77.3

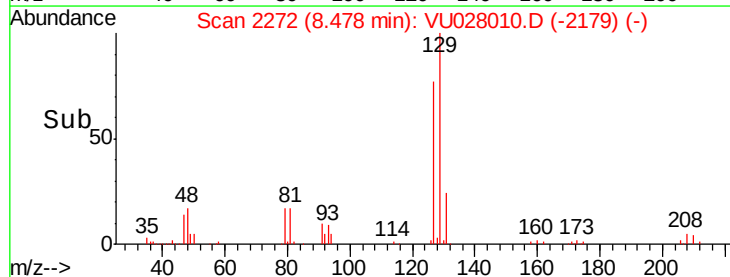
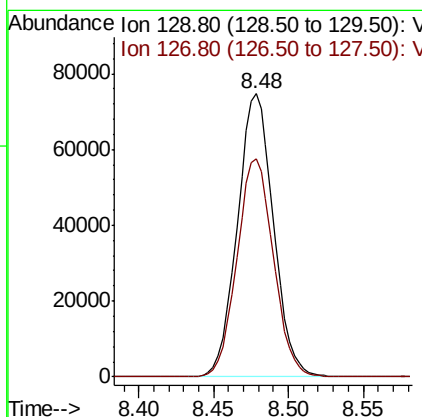
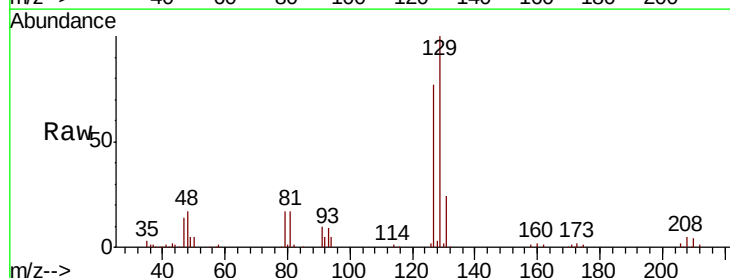
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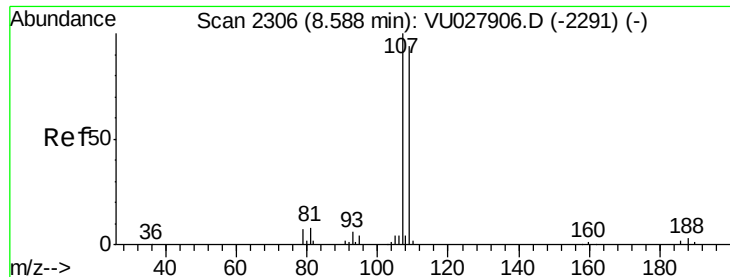
MMDadoda
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#60
Dibromochloromethane
Concen: 51.381 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion: 129 Resp: 125252
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6





#61

1,2-Dibromoethane

Concen: 48.214 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 131976

Ion Ratio Lower Upper

107 100

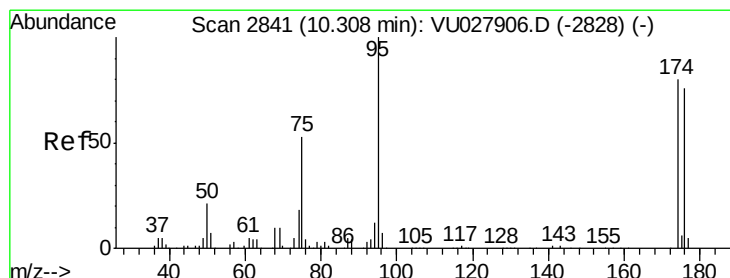
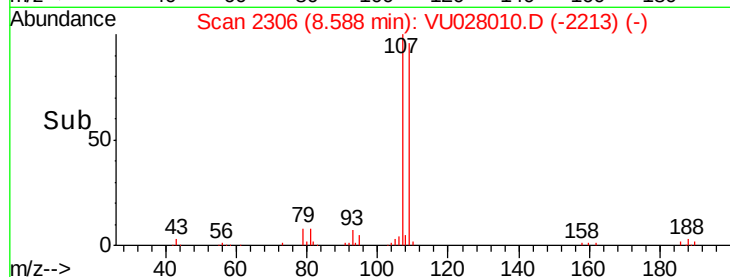
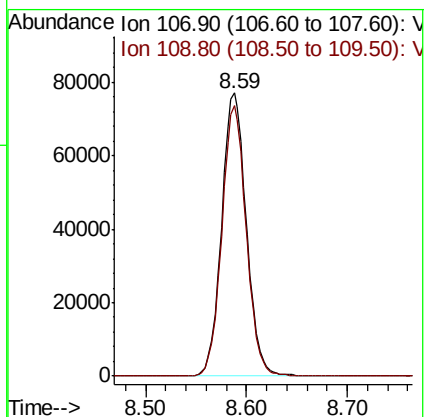
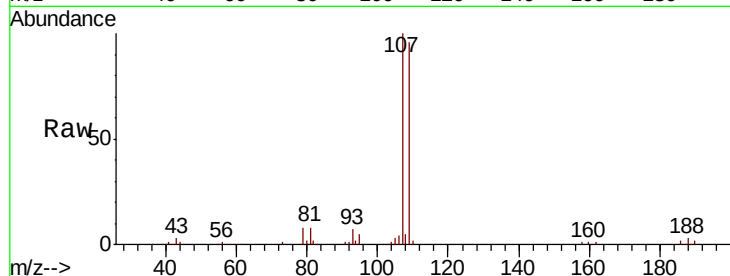
109 94.2 73.8 110.8

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#62

4-Bromofluorobenzene

Concen: 50.526 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

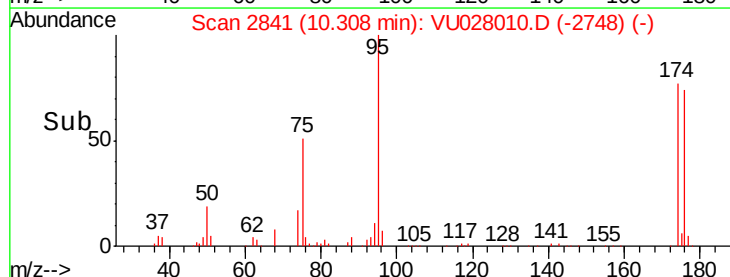
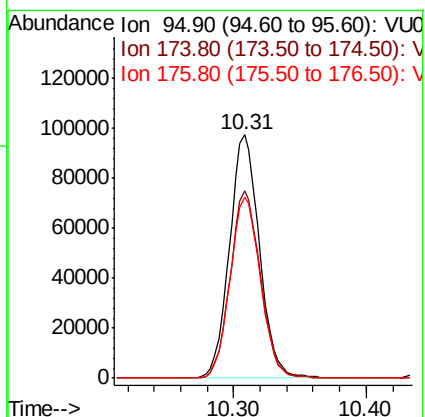
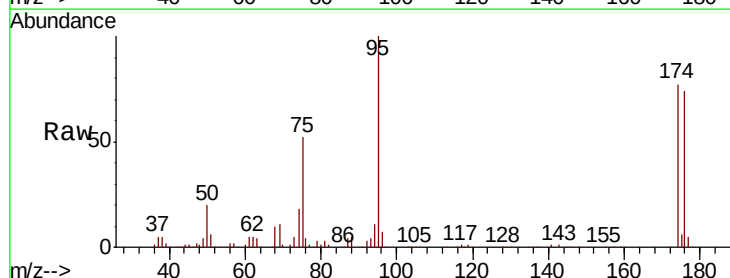
Tgt Ion: 95 Resp: 152677

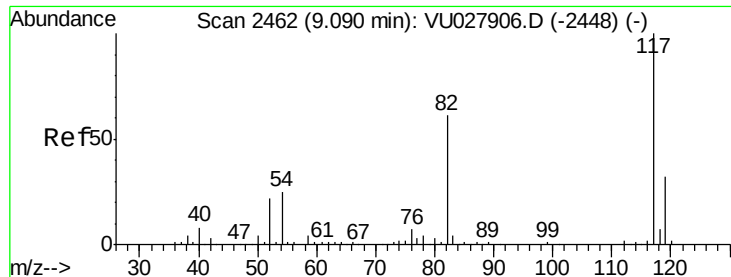
Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.4

176 75.6 0.0 150.8





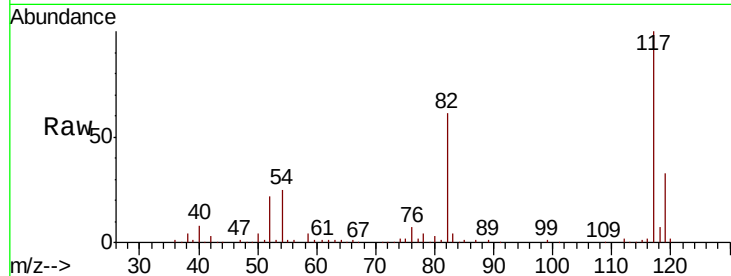
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.6	73.0
119	33.1	25.8	38.8

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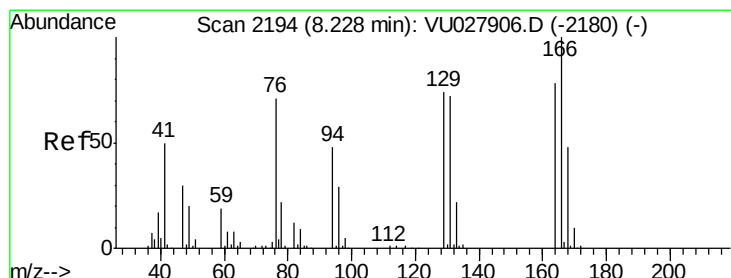
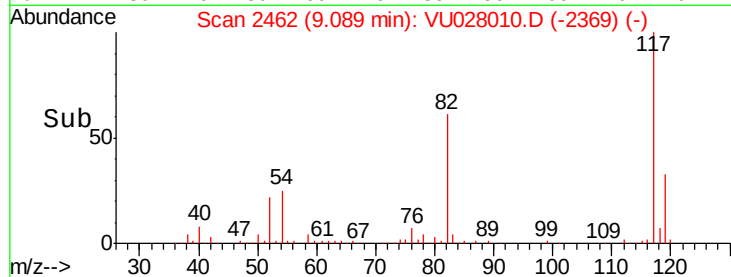
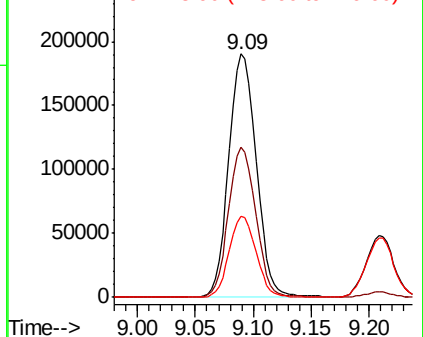


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 44.431 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.1	153.1
129	96.7	75.9	113.9
131	93.0	73.0	109.6

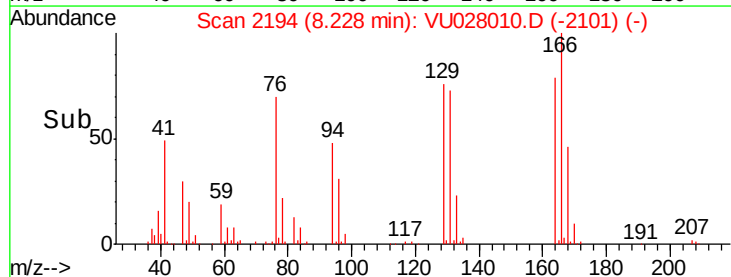
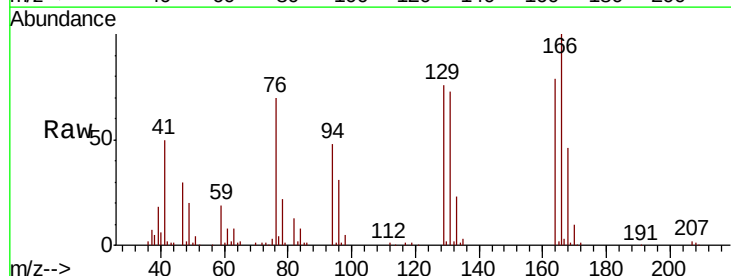
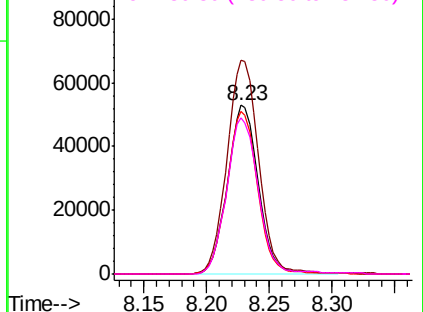
Abundance

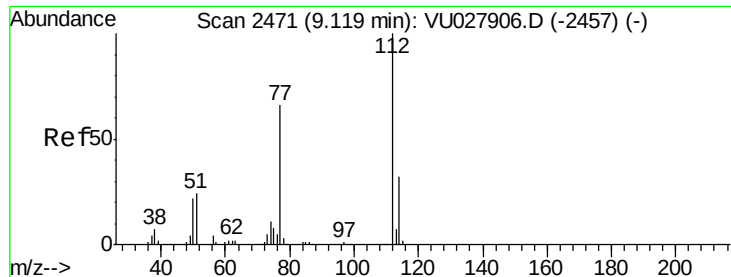
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





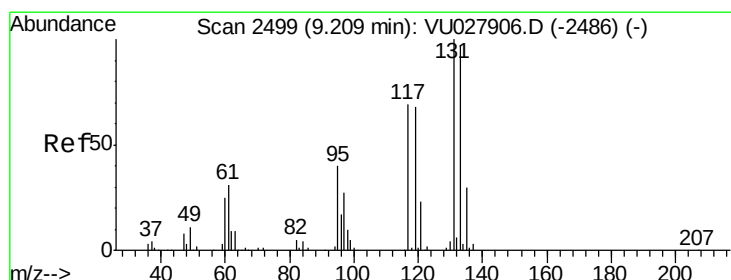
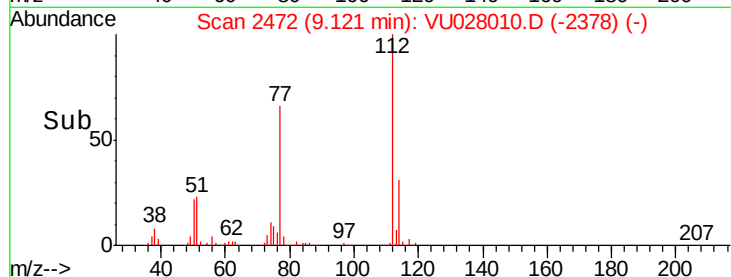
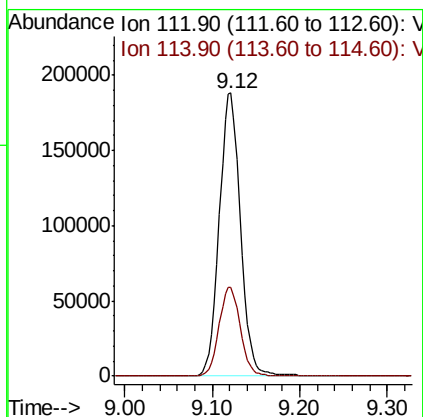
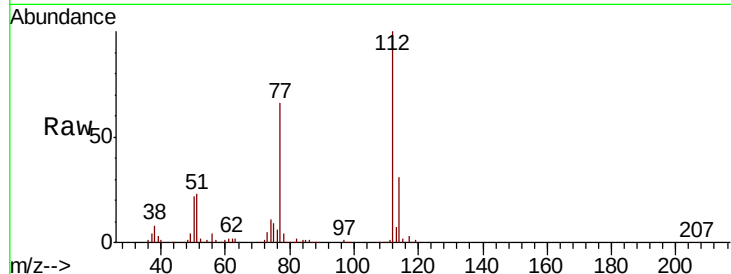
#65
Chlorobenzene
Concen: 47.568 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.2	37.8

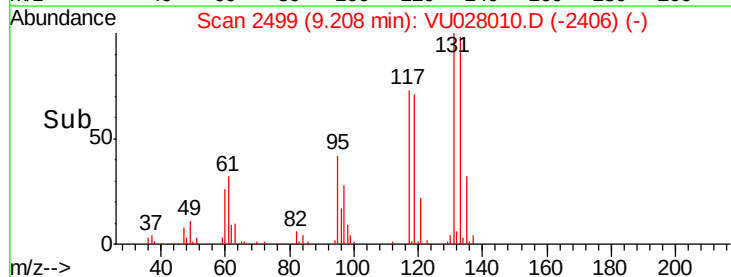
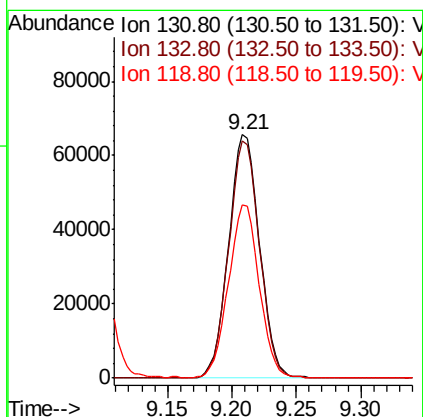
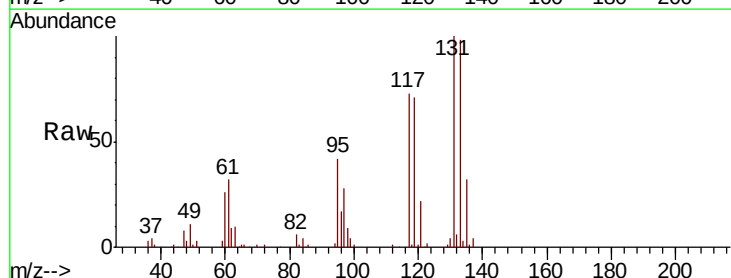
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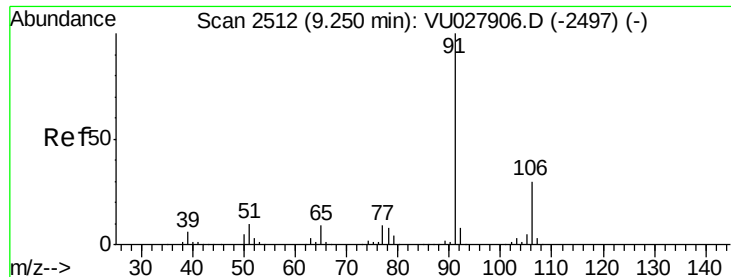
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.277 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.1	144.4
119	71.0	34.0	101.8





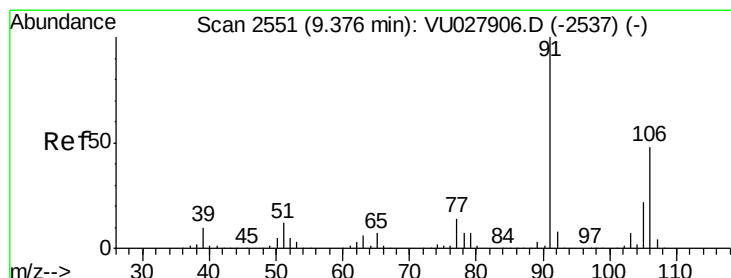
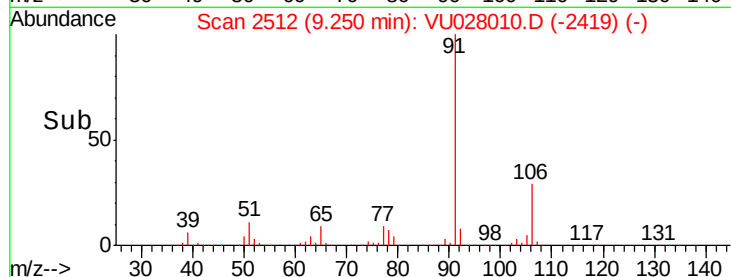
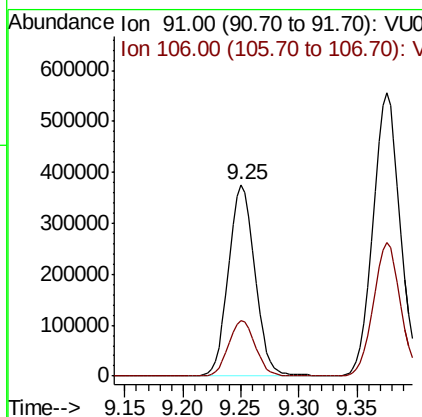
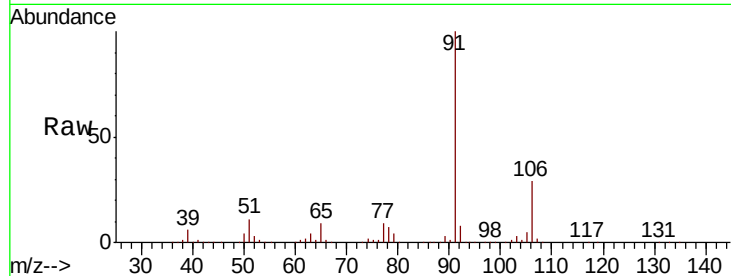
#67
Ethyl Benzene
Concen: 48.367 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 591835
Ion Ratio Lower Upper
91 100
106 29.1 23.6 35.4

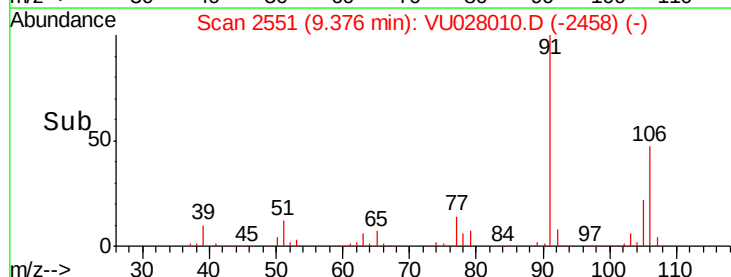
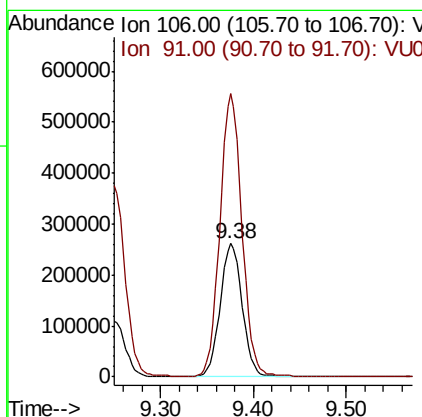
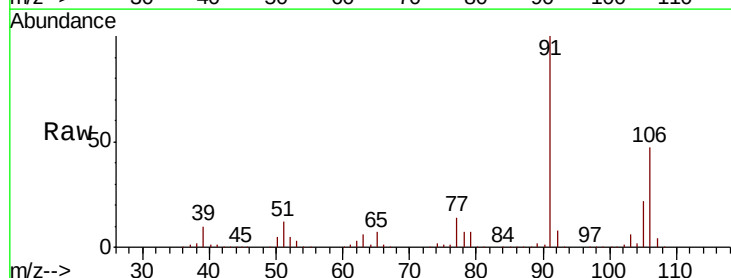
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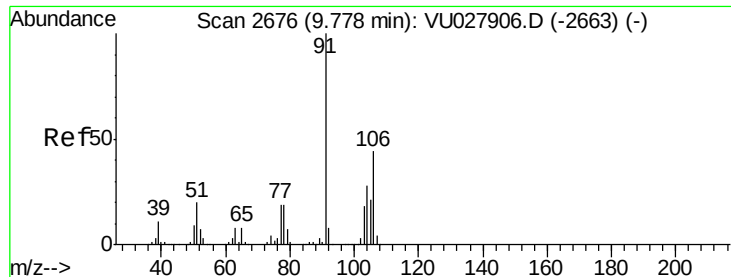
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#68
m/p-Xylenes
Concen: 97.106 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion: 106 Resp: 431134
Ion Ratio Lower Upper
106 100
91 211.2 168.2 252.4





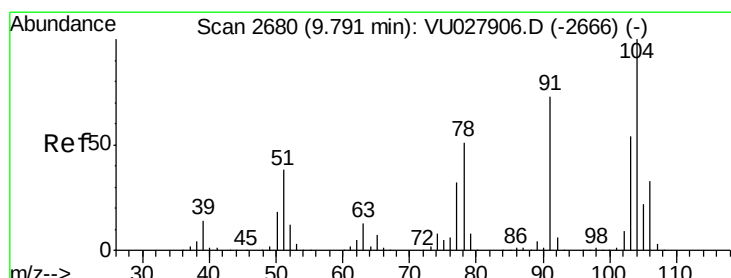
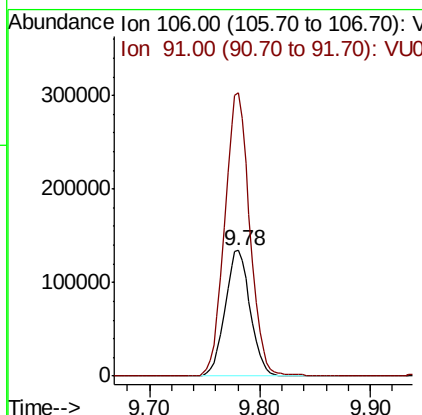
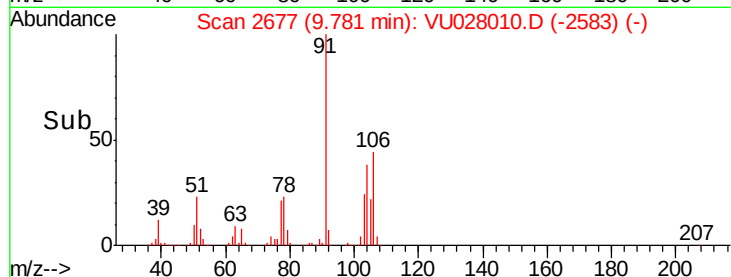
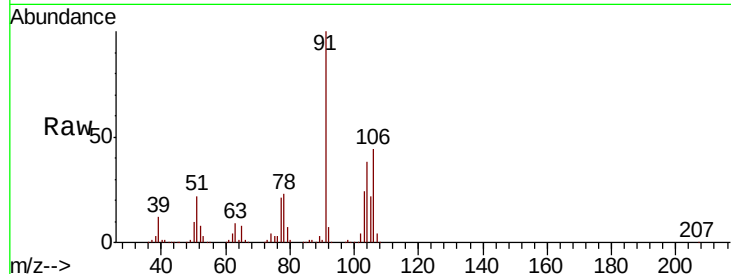
#69
o-Xylene
Concen: 47.372 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.0	111.1	333.4

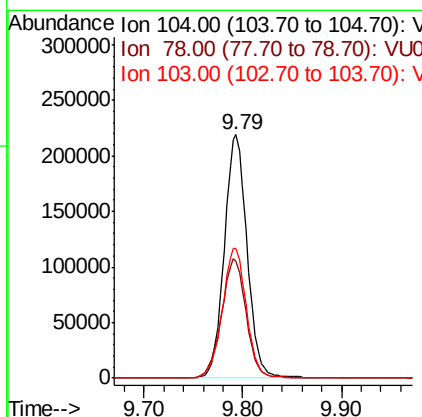
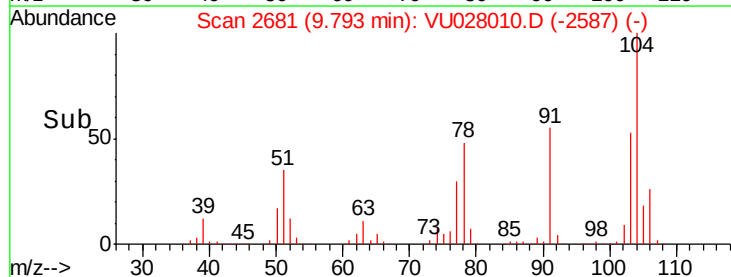
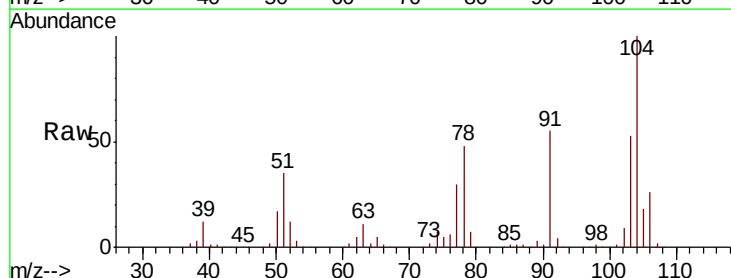
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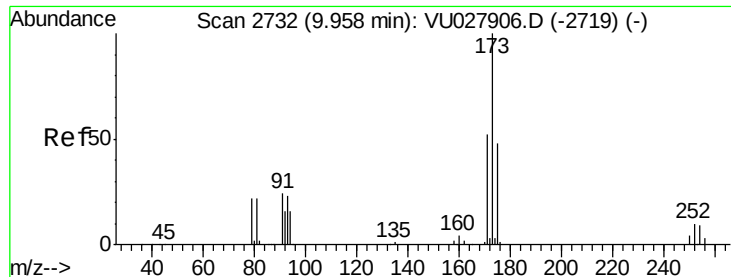
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#70
Styrene
Concen: 49.808 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	43.0	64.4
103	56.1	45.1	67.7





#71

Bromoform

Concen: 49.550 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

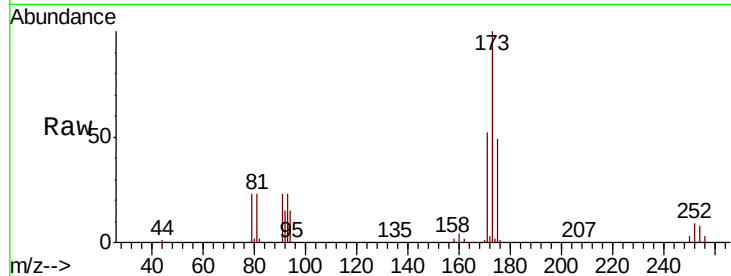
ClientSampleId :

VSTDCCC050EC

Tot Ion:173	Resp:	94291
Ion Ratio	Lower	Upper
173 100		
175 48.7	24.3	72.8
254 0.0	0.0	0.0#

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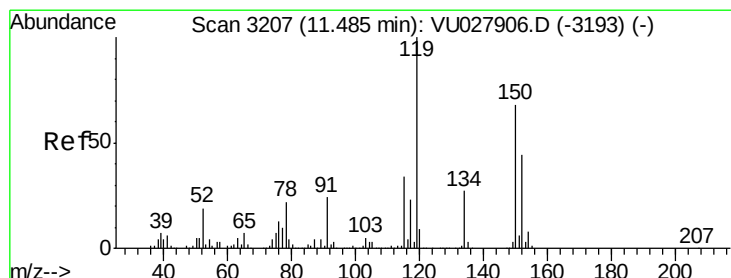
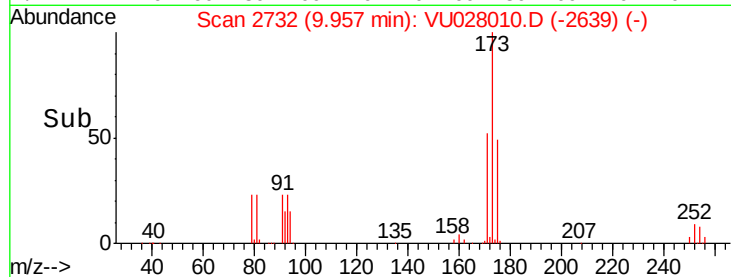
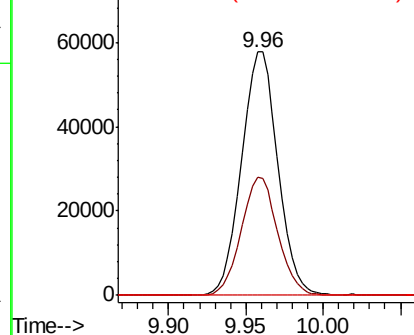


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

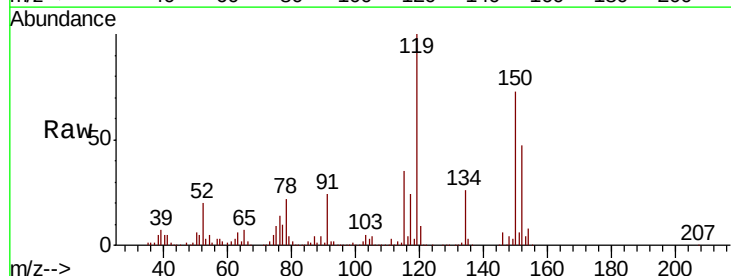
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion:152	Resp:	156286
Ion Ratio	Lower	Upper
152 100		
115 84.4	43.0	129.0
150 172.7	0.0	349.4

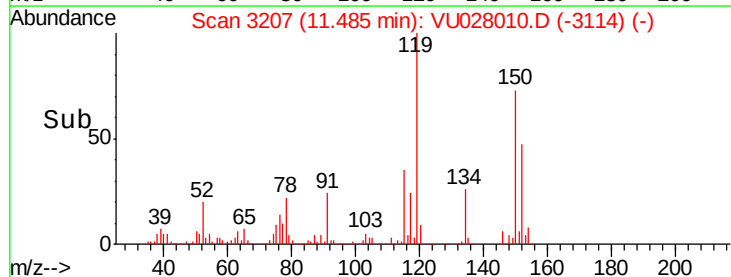
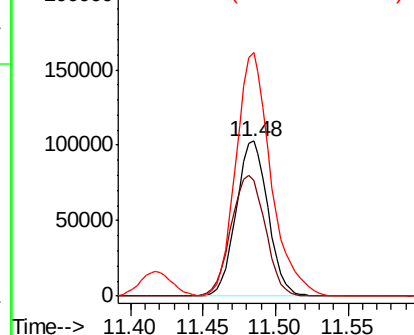


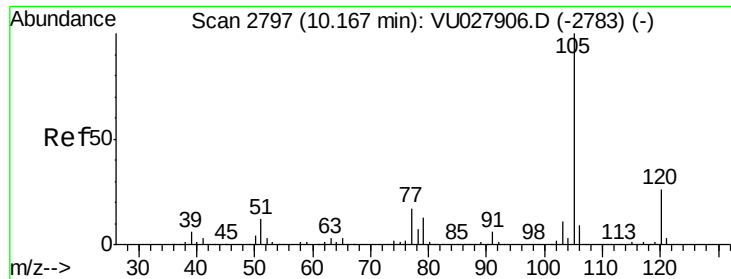
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.408 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 573978

Ion Ratio Lower Upper

105 100

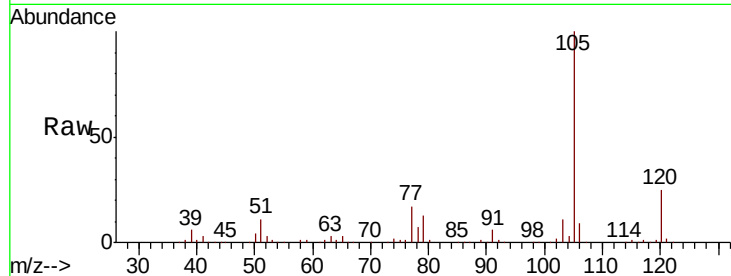
120 25.4 12.7 38.0

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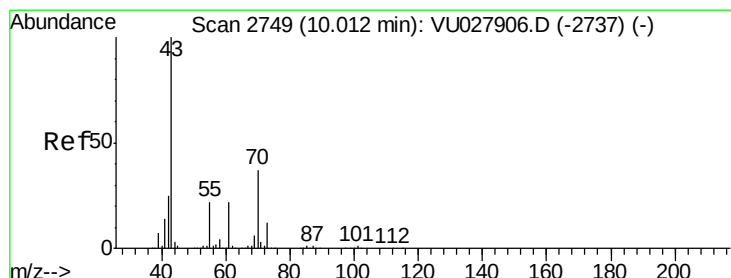
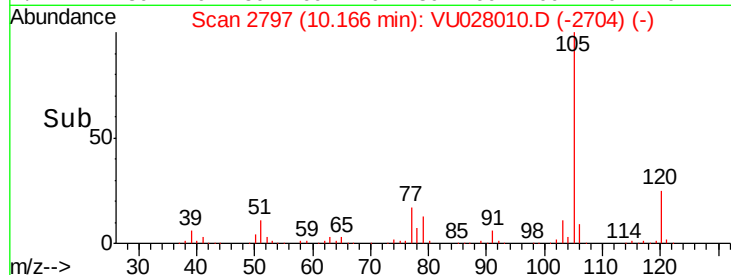
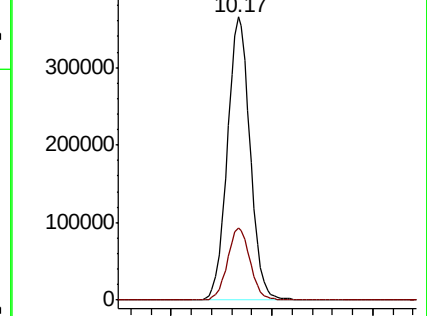
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.068 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion: 43 Resp: 351908

Ion Ratio Lower Upper

43 100

70 37.6 29.2 43.8

55 22.5 17.8 26.6

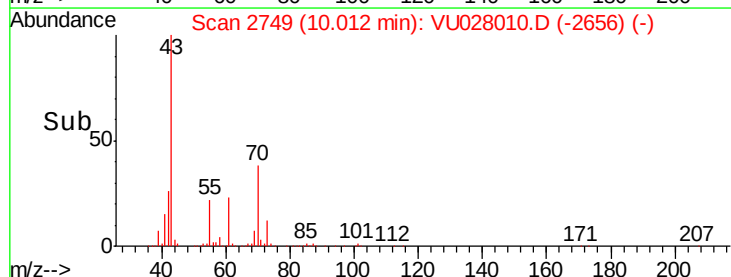
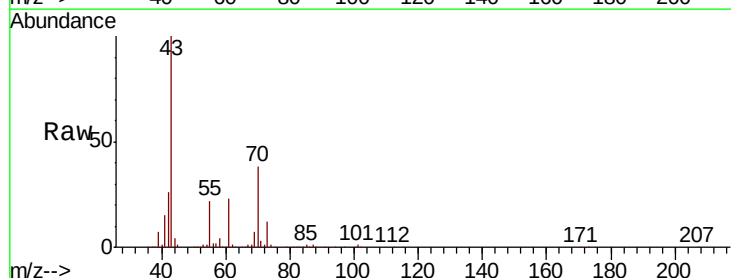
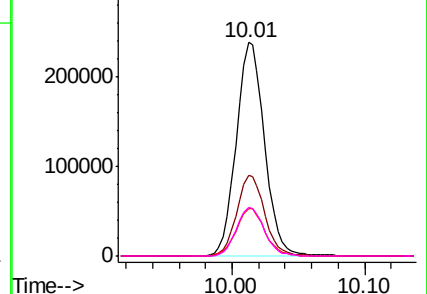
61 22.6 17.8 26.8

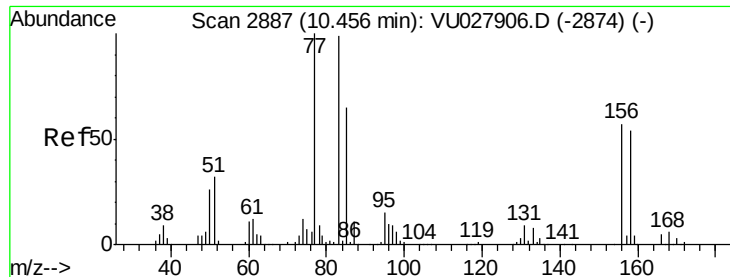
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.062 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 229837
Ion Ratio Lower Upper

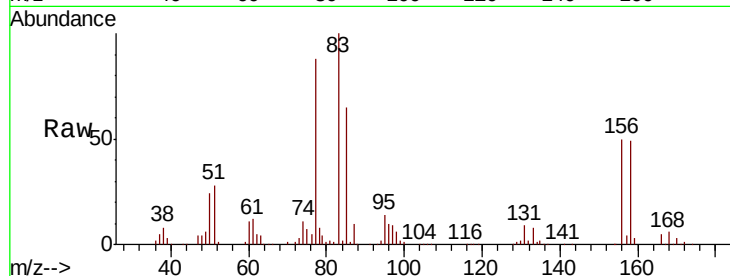
83 100

131 8.5 4.3 13.1

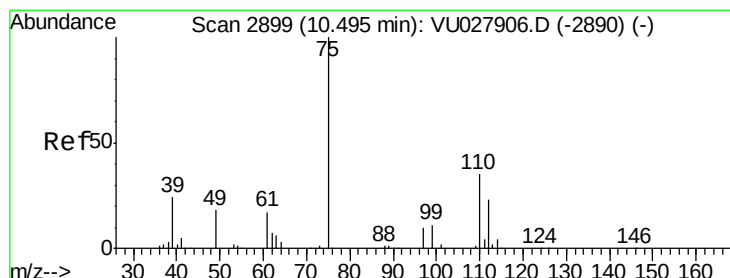
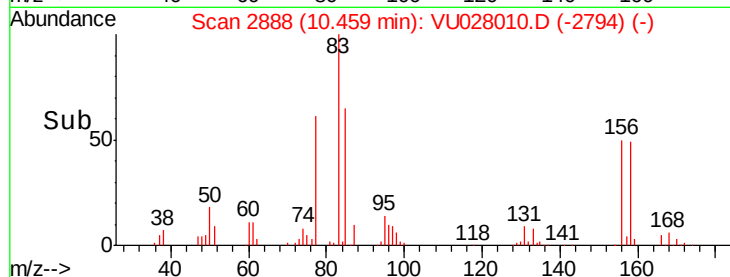
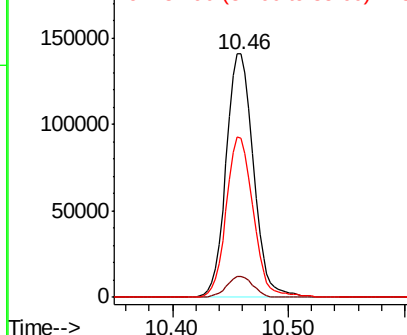
85 65.3 32.4 97.2

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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 53.606 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

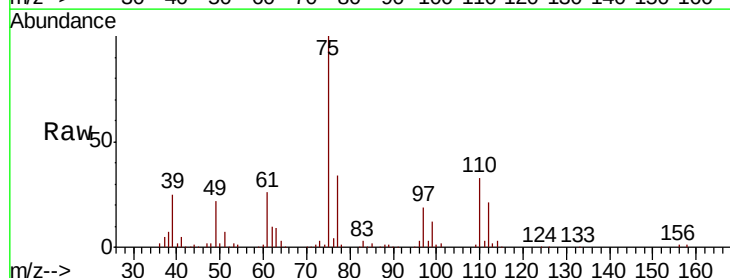
Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

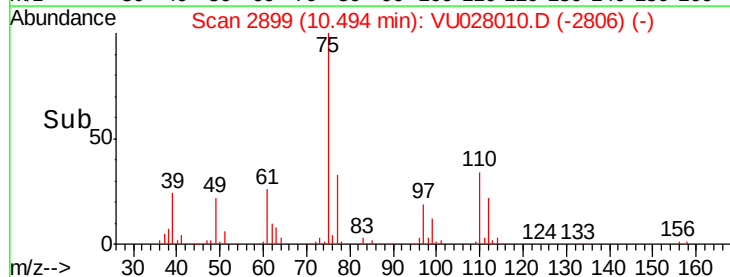
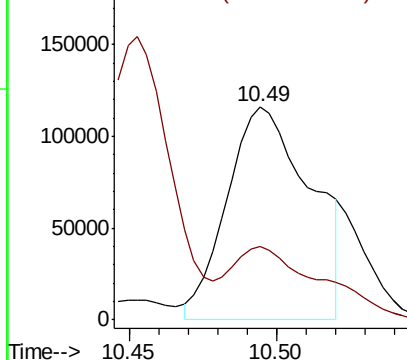
Tgt Ion: 75 Resp: 229160
Ion Ratio Lower Upper

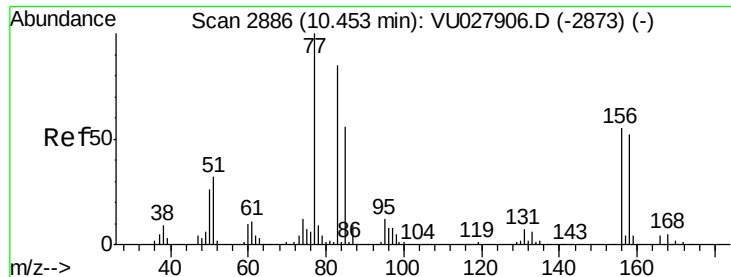
75 100

77 37.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 48.170 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

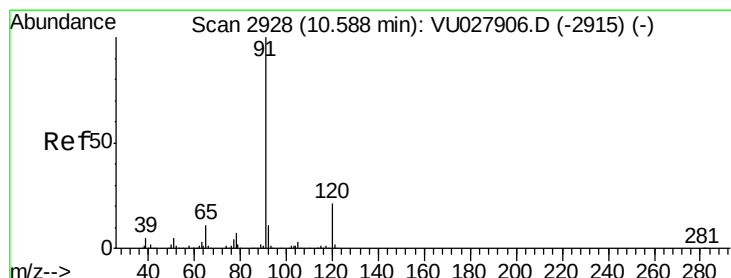
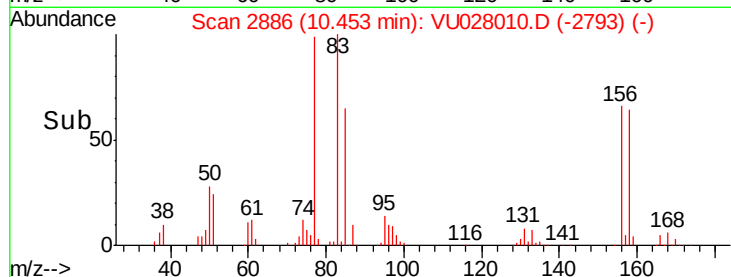
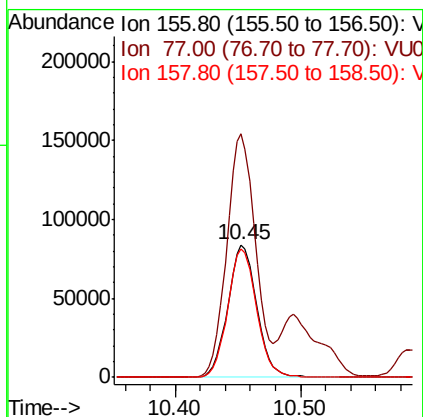
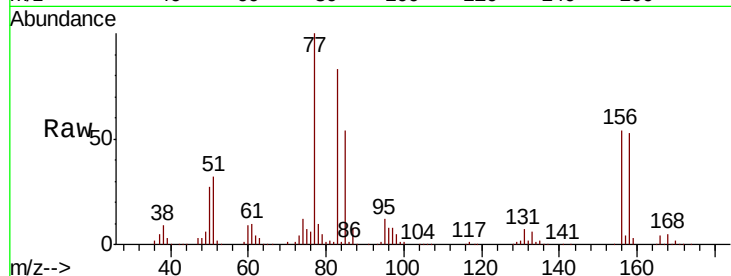
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	133730
Ion Ratio	Lower	Upper	
156	100		
77	183.4	91.8	275.6
158	96.8	48.4	145.2

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#78

n-propylbenzene

Concen: 48.568 ug/l

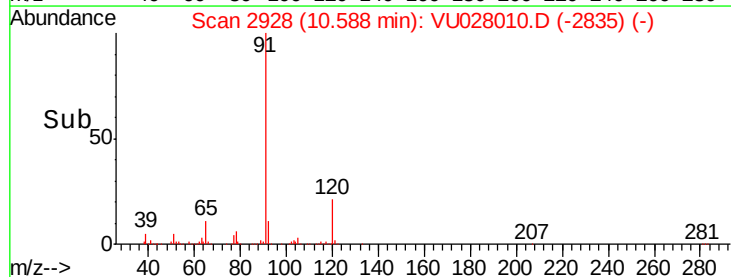
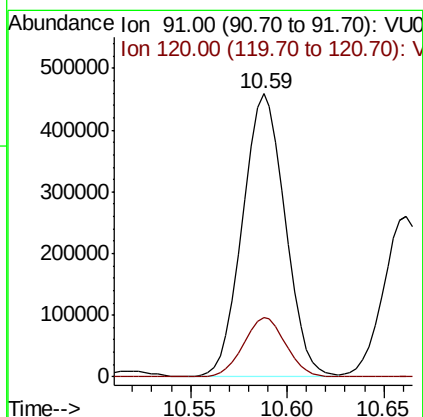
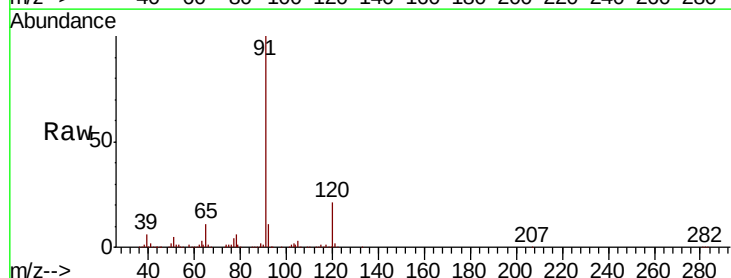
RT: 10.59 min Scan# 2928

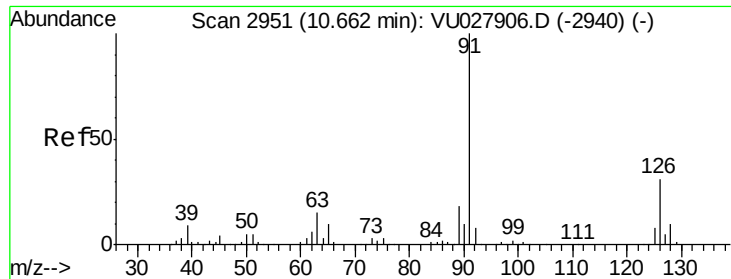
Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion:	91	Resp:	703867
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8





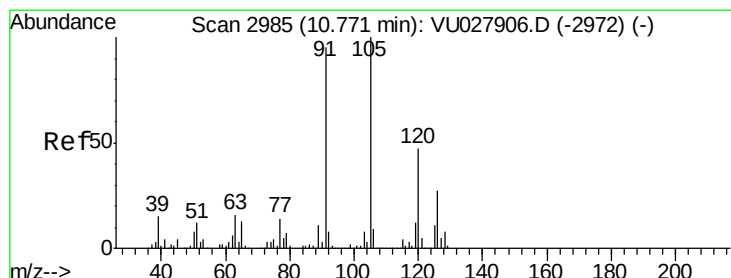
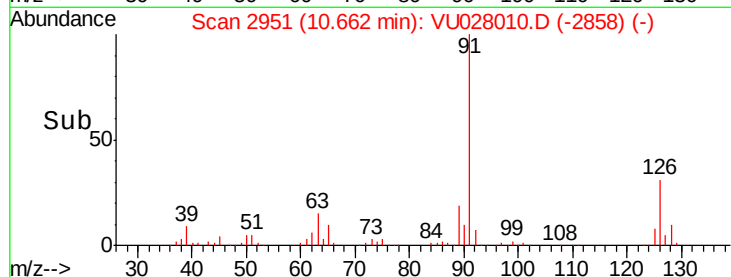
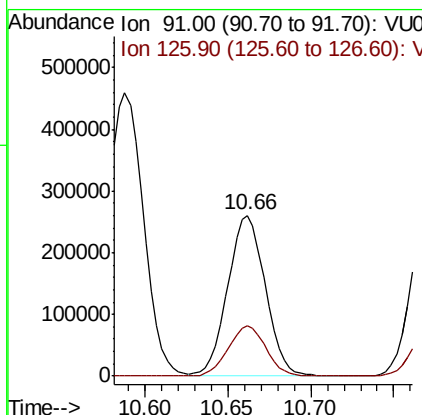
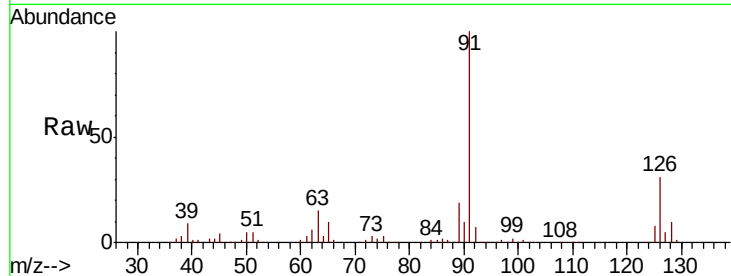
#79
2-Chlorotoluene
Concen: 47.098 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 409132
Ion Ratio Lower Upper
91 100
126 31.3 16.0 47.9

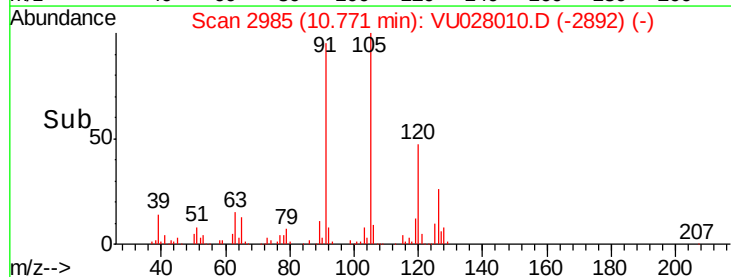
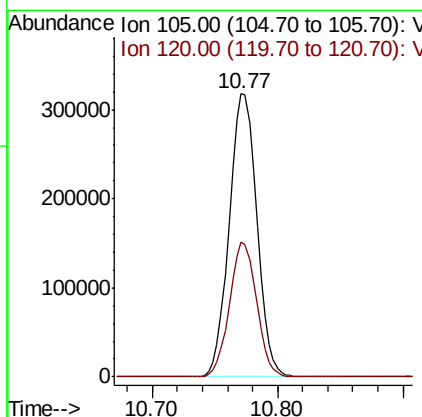
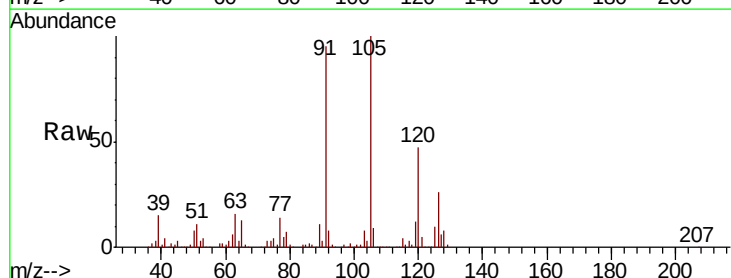
Manual Integrations
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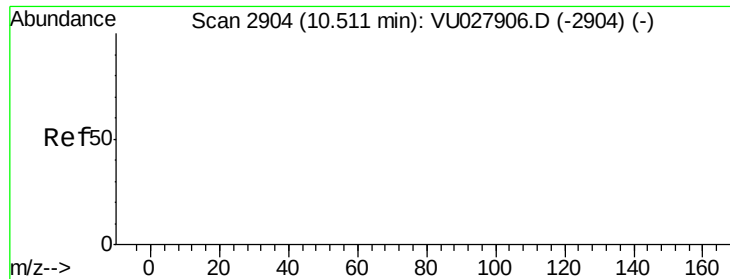
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 48.541 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion: 105 Resp: 486847
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 53.578 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028010.D

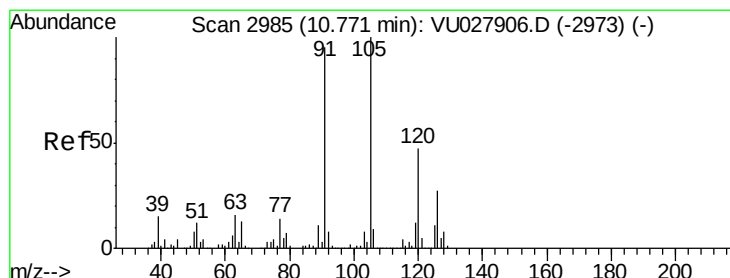
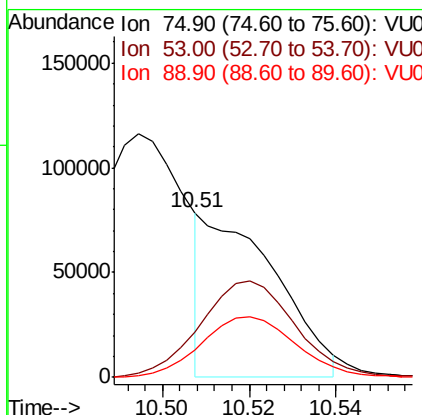
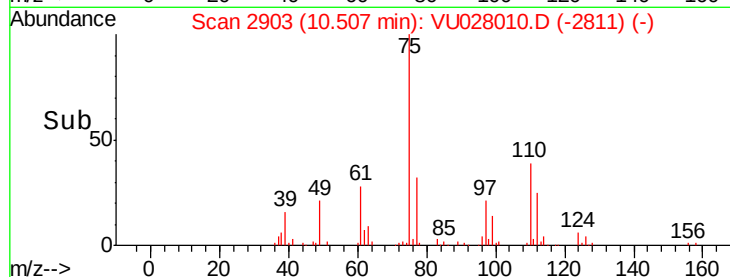
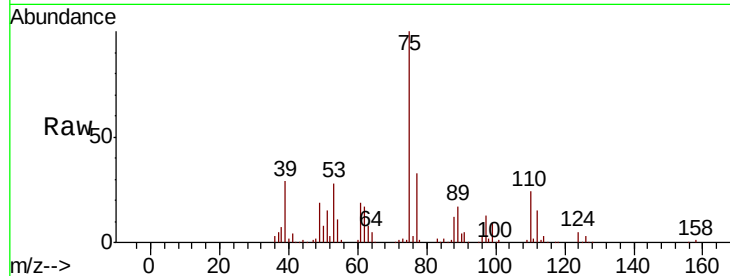
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 47.870 ug/l

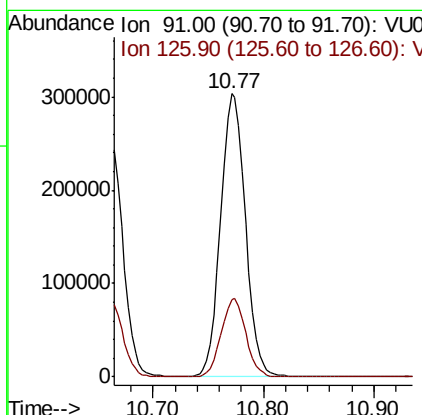
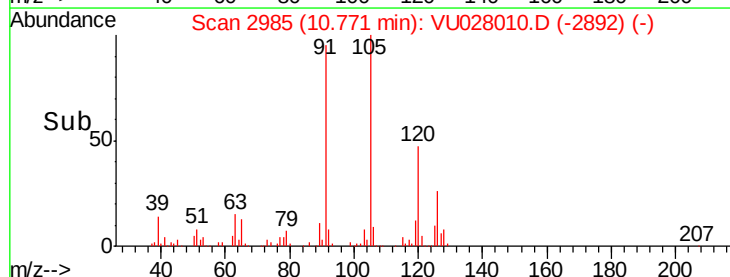
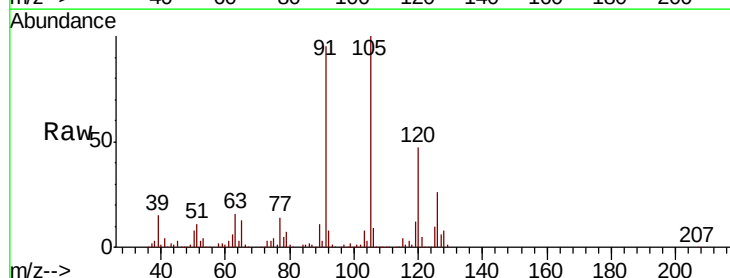
RT: 10.77 min Scan# 2985

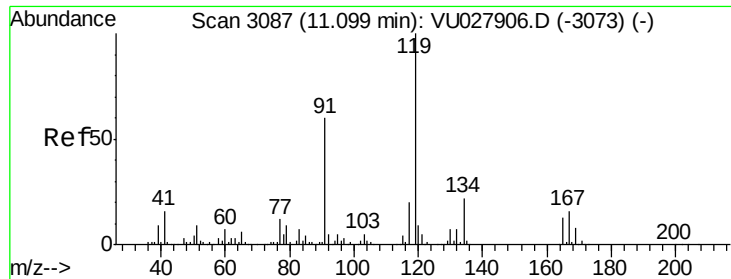
Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.2	42.6





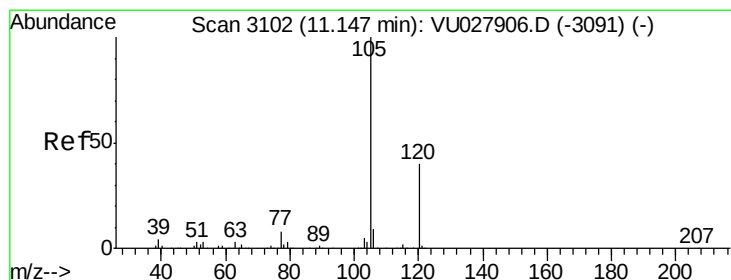
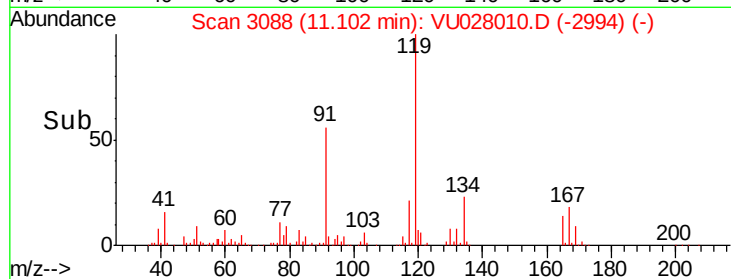
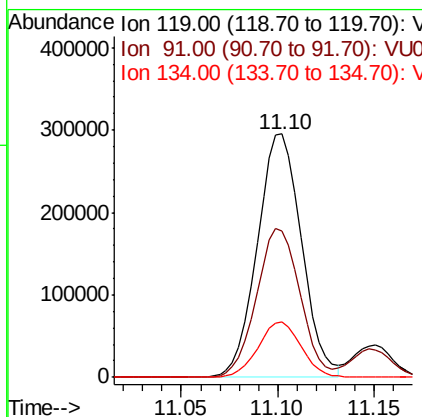
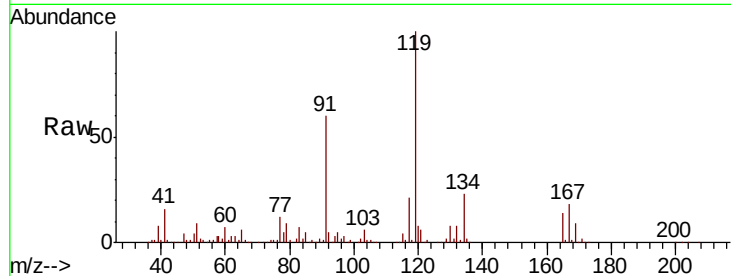
#83
 tert-Butylbenzene
 Concen: 46.868 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.8	89.3
134	22.0	11.1	33.1

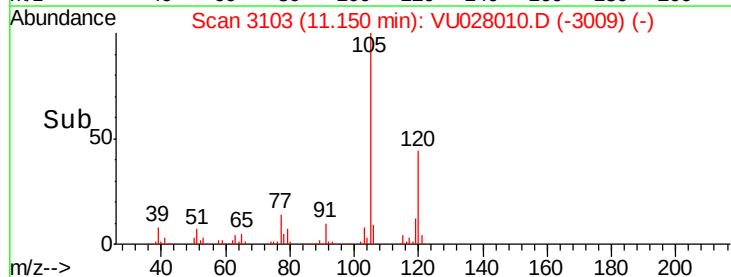
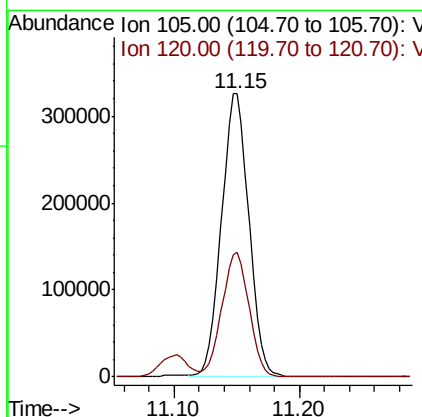
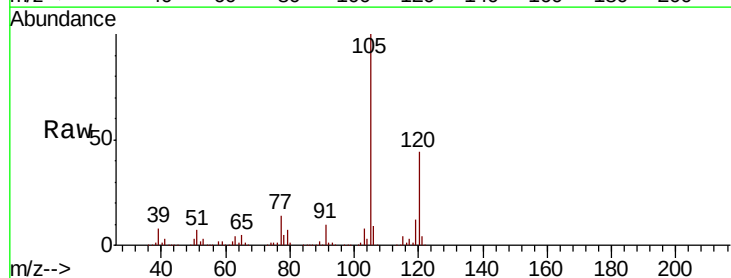
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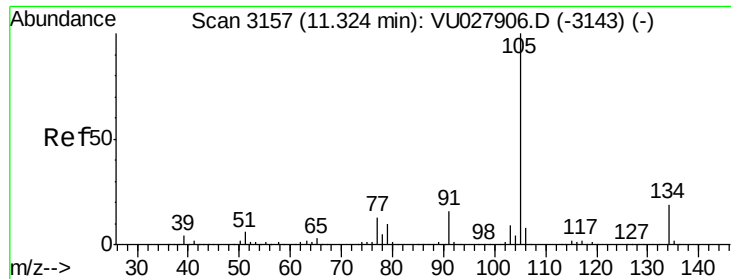
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.814 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1





#85

sec-Butylbenzene

Concen: 48.636 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 593068

Ion Ratio Lower Upper

105 100

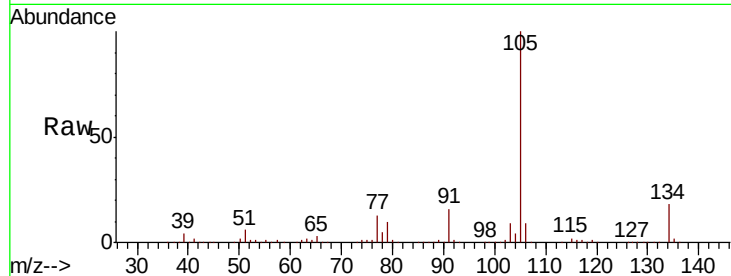
134 18.3 9.2 27.6

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

400000

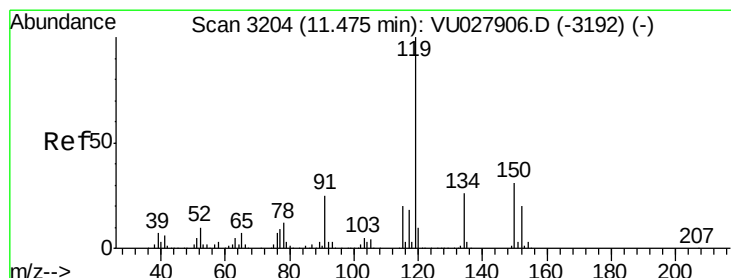
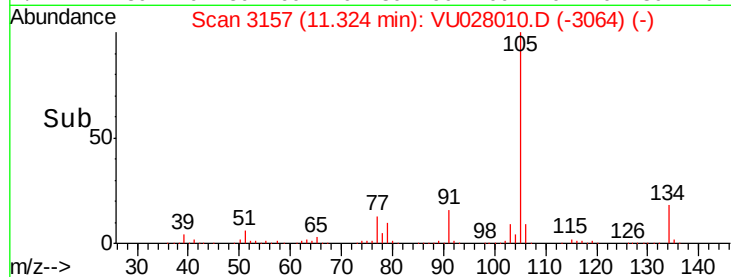
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.581 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

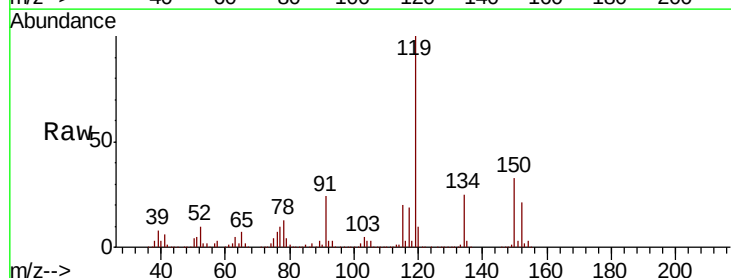
Tgt Ion:119 Resp: 505426

Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.7

91 24.3 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

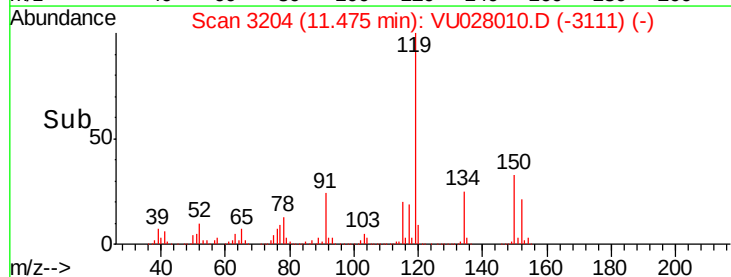
300000

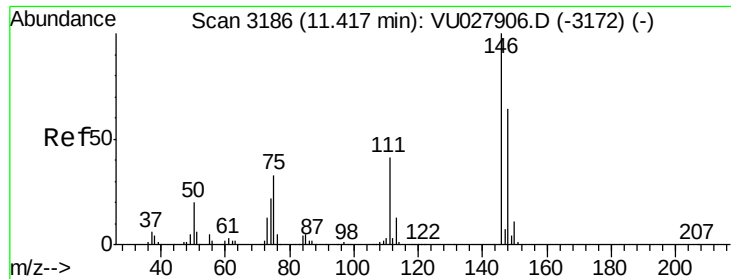
200000

100000

0

Time-->





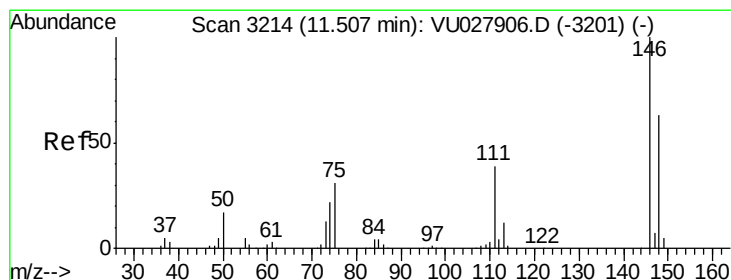
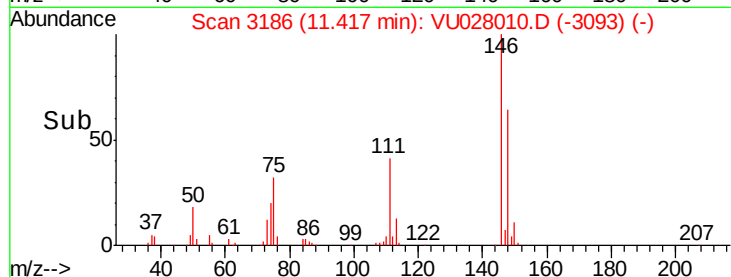
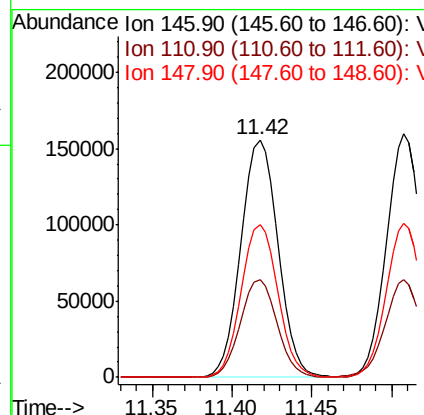
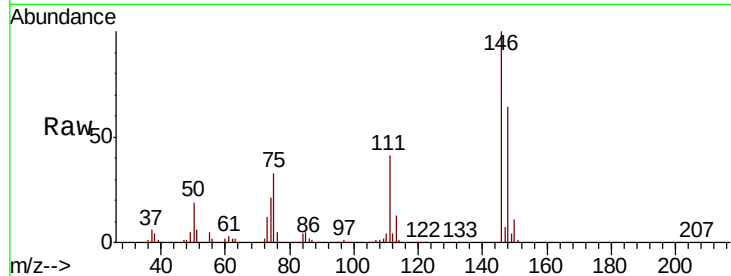
#87
 1,3-Dichlorobenzene
 Concen: 48.010 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	63.6	31.8	95.4

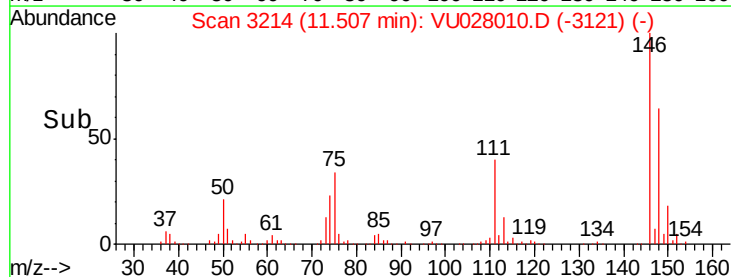
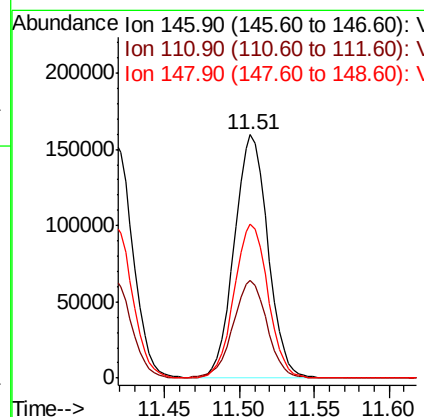
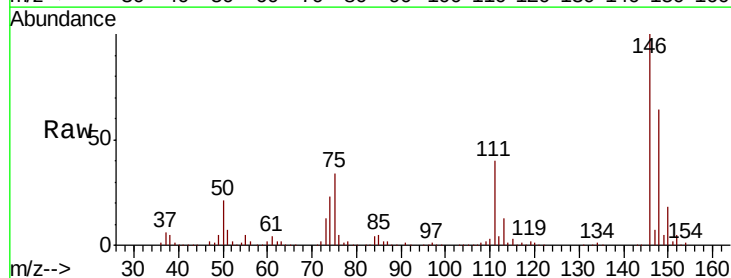
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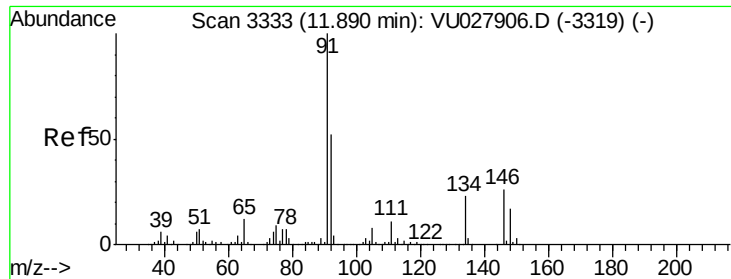
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#88
 1,4-Dichlorobenzene
 Concen: 47.241 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	64.0	32.0	96.2





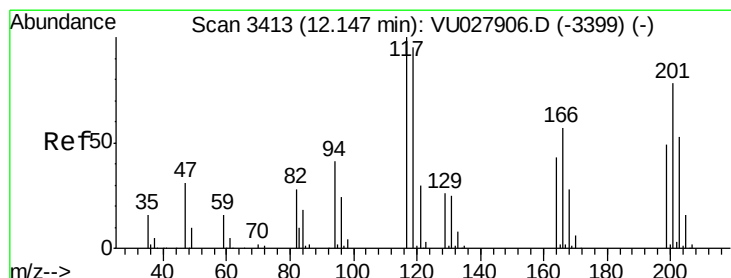
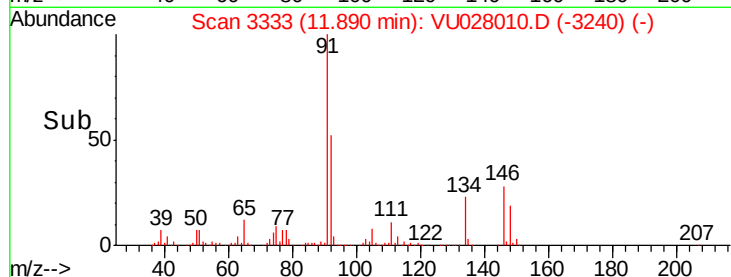
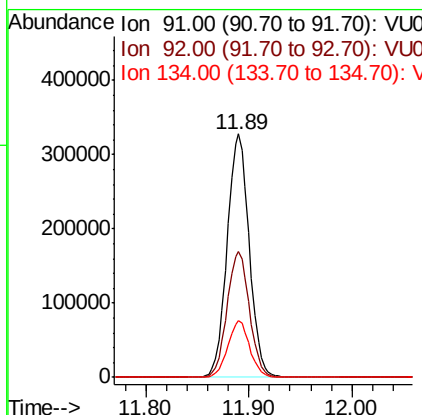
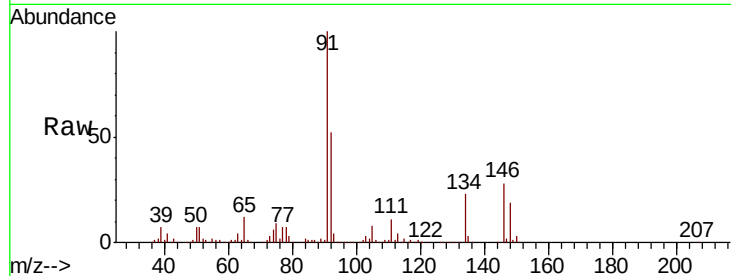
#89
n-Butylbenzene
Concen: 50.447 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.8	11.5	34.5

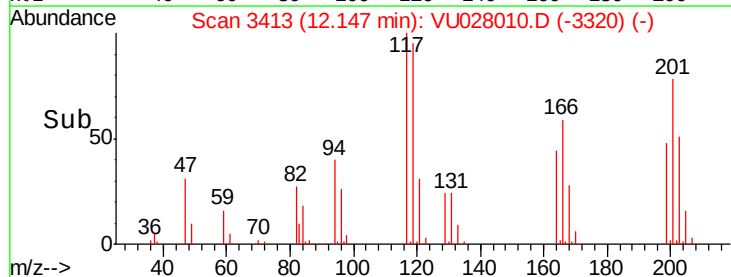
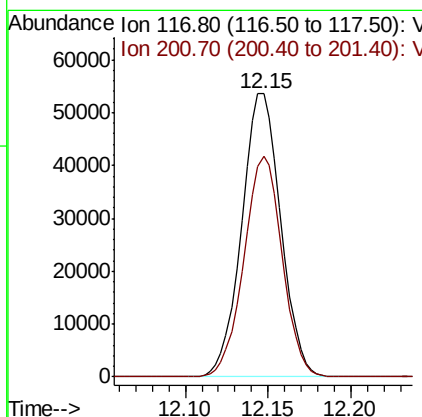
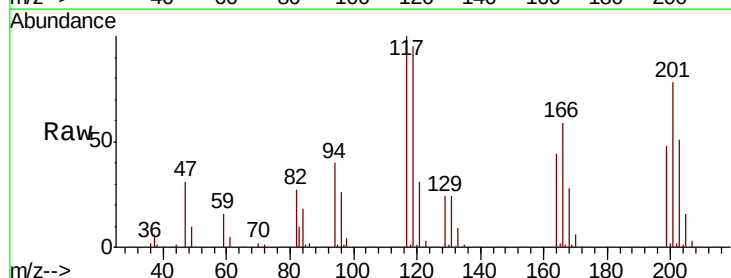
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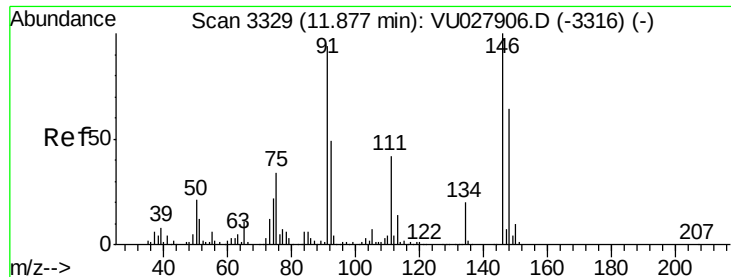
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#90
Hexachloroethane
Concen: 48.273 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028010.D
Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.5	115.5





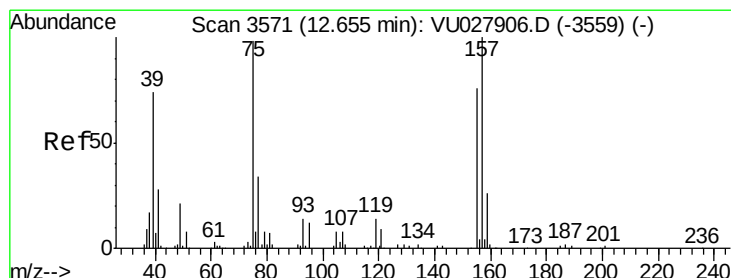
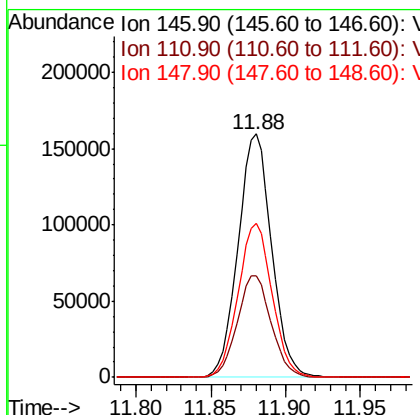
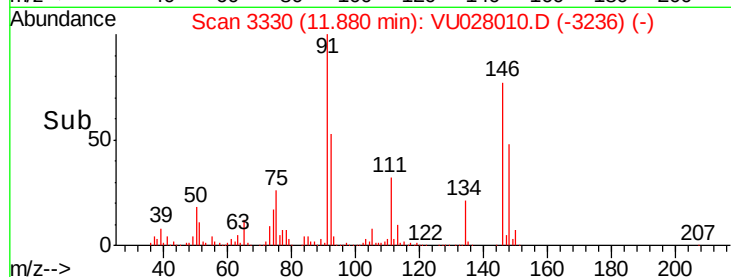
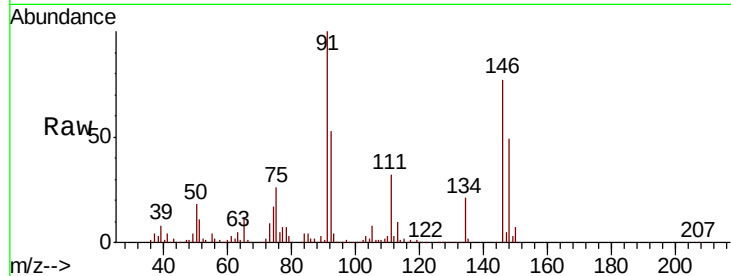
#91
 1,2-Dichlorobenzene
 Concen: 48.303 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	64.0
148	64.1	31.8	95.3

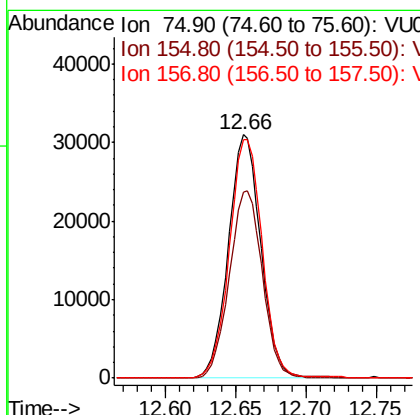
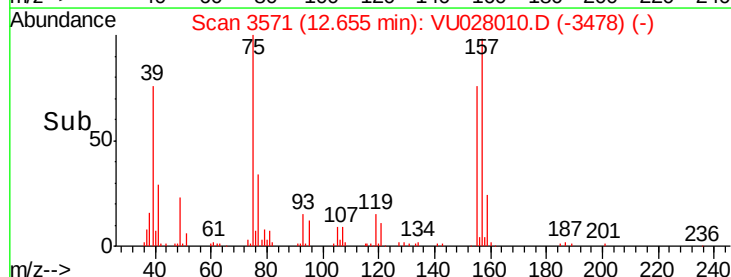
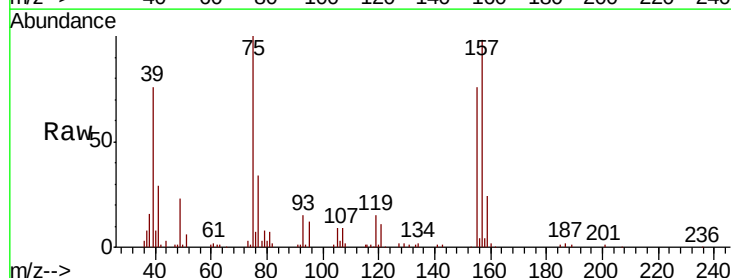
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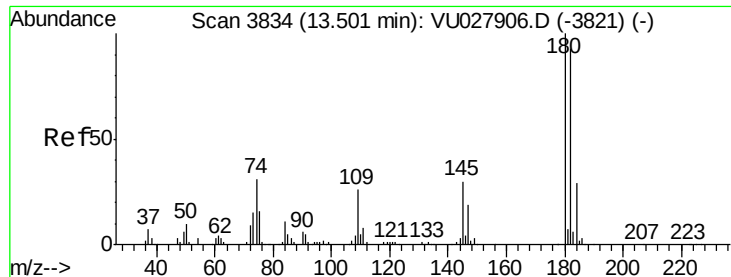
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.548 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.8	119.3
157	98.7	50.6	151.9





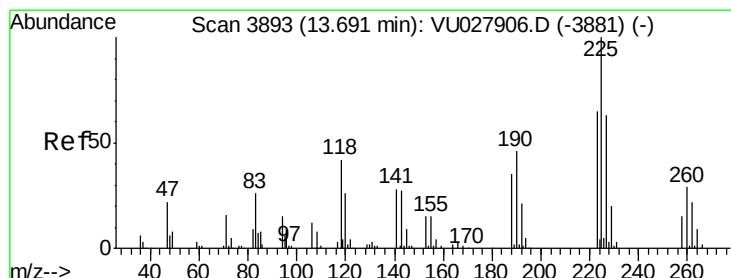
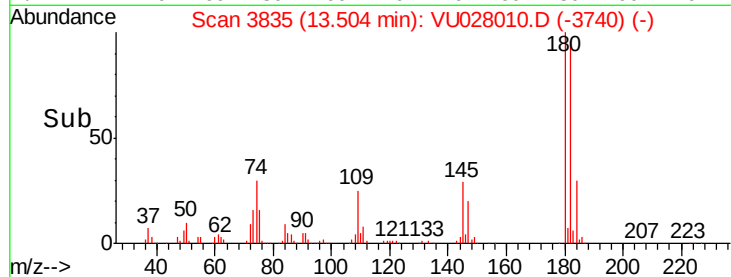
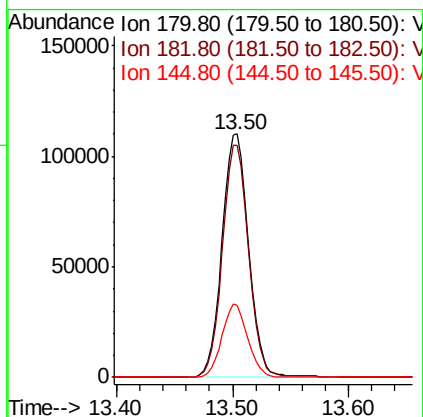
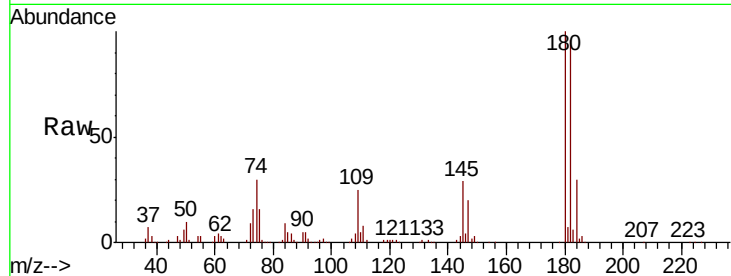
#93
 1,2,4-Trichlorobenzene
 Concen: 48.217 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.4	145.2
145	29.1	14.9	44.5

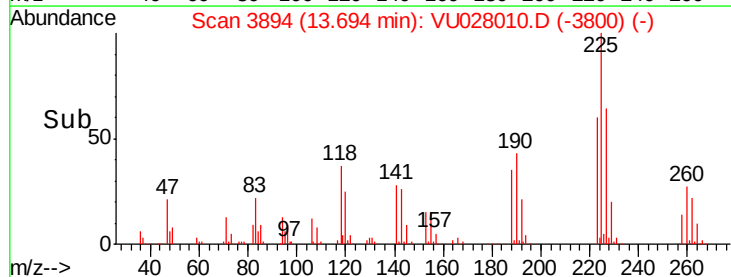
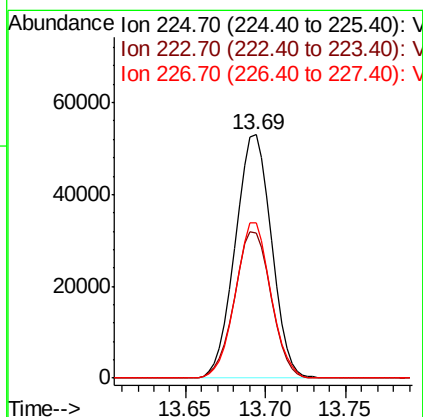
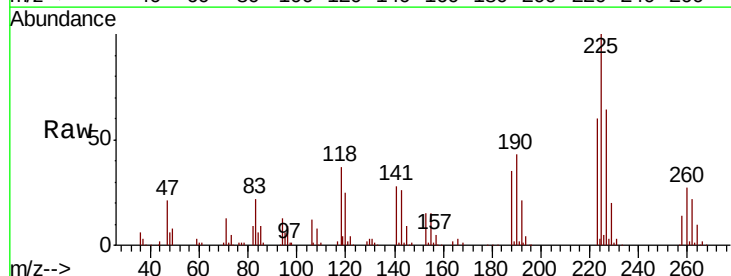
Manual Integrations
 APPROVED

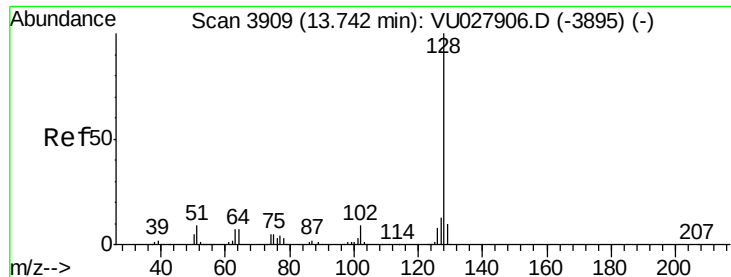
MMDadoda
 11/9/2018 11:07:06 AM



#94
 Hexachlorobutadiene
 Concen: 49.790 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028010.D
 Acq: 07 Nov 2018 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.2	96.6
227	62.3	32.5	97.4





#95

Naphthalene

Concen: 47.569 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Instrument :

MSVOA_U

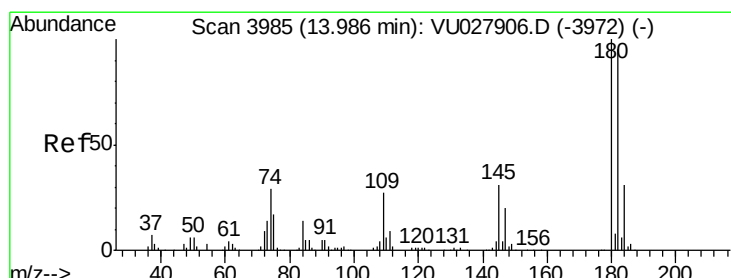
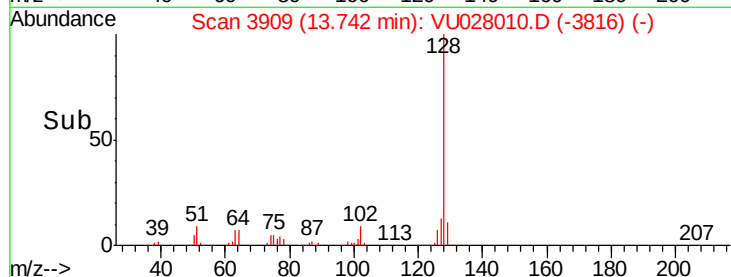
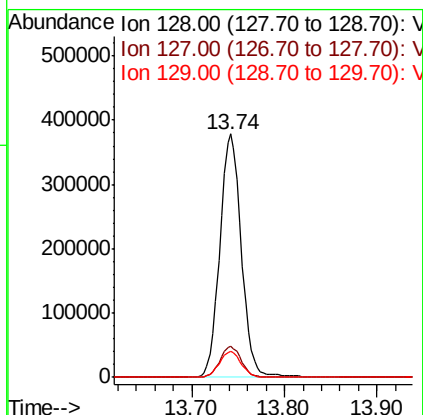
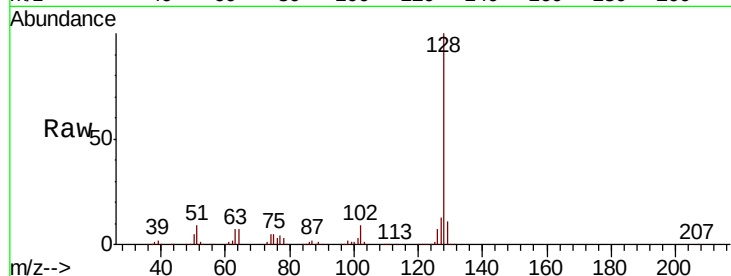
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	609928
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:07:06 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.578 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028010.D

Acq: 07 Nov 2018 16:55

Tgt Ion:	180	Resp:	175035
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.3
145	31.1	16.0	47.9

