

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026921.D
 Acq On : 20 Sep 2018 00:41
 Operator : MD/SY
 Sample : J4934-10MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Manual Integrations
 APPROVED

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 9/21/2018 4:12:28 PM

Quant Time: Sep 20 08:07:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	134625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83587	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	68545	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	4.88	113	58120	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	7.57	98	211608	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	10.31	95	75047	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50830	50.878	ug/l	97
3) Chloromethane	1.33	50	59749	42.807	ug/l	99
4) Vinyl Chloride	1.40	62	63975	44.228	ug/l	99
5) Bromomethane	1.61	94	27374	30.215	ug/l	99
6) Chloroethane	1.69	64	43379	47.122	ug/l	98
7) Trichlorofluoromethane	1.88	101	86978	45.998	ug/l	99
8) Diethyl Ether	2.10	74	37705	45.504	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52843	47.056	ug/l	98
10) Methyl Iodide	2.41	142	18715	24.148	ug/l	98
11) Tert butyl alcohol	2.83	59	66122	193.390	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52880	49.811	ug/l	100
13) Acrolein	2.19	56	53878	233.833	ug/l	99
14) Allyl chloride	2.59	41	85312	44.619	ug/l	95
15) Acrylonitrile	2.94	53	179611	244.951	ug/l	99
16) Acetone	2.32	43	155249	195.484	ug/l	97
17) Carbon Disulfide	2.48	76	152010	45.003	ug/l	98
18) Methyl Acetate	2.61	43	77967	45.500	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	178734	48.898	ug/l	99
20) Methylene Chloride	2.70	84	62448	48.478	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	54847	49.042	ug/l	97
22) Diisopropyl ether	3.57	45	189478	47.482	ug/l	98
23) Vinyl Acetate	3.52	43	688592	203.138	ug/l	97
24) 1,1-Dichloroethane	3.45	63	185398	82.360	ug/l	98
25) 2-Butanone	4.26	43	234107	218.836	ug/l	97
26) 2,2-Dichloropropane	4.23	77	70701	38.210	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	61832	47.971	ug/l	96
28) Bromochloromethane	4.55	49	52116	48.416	ug/l	93
29) Tetrahydrofuran	4.64	42	152157	235.913	ug/l	98
30) Chloroform	4.67	83	106332	48.035	ug/l	98
31) Cyclohexane	5.00	56	93646	45.532	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	91903	50.143	ug/l	97
36) 1,1-Dichloropropene	5.14	75	76977	50.928	ug/l	99
37) Ethyl Acetate	4.38	43	75503	41.540	ug/l	99
38) Carbon Tetrachloride	5.13	117	79691	49.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	87465	48.737	ug/l	98
40) Benzene	5.39	78	239287	50.977	ug/l	99
41) Methacrylonitrile	4.54	41	48380	47.275	ug/l	98
42) 1,2-Dichloroethane	5.40	62	83536	49.907	ug/l	98
43) Isopropyl Acetate	5.55	43	122214	44.159	ug/l	98
44) Trichloroethene	6.19	130	60297	51.902	ug/l	93
45) 1,2-Dichloropropane	6.43	63	64315	50.402	ug/l	100
46) Dibromomethane	6.56	93	40989	49.777	ug/l	90
47) Bromodichloromethane	6.76	83	81890	50.503	ug/l	100
48) Methyl methacrylate	6.62	41	68439	45.370	ug/l	97
49) 1,4-Dioxane	6.61	88	31157	901.512	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	437247	236.194	ug/l	97
52) Toluene	7.64	92	149457	53.452	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	85340	47.449	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	88834	45.997	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	62164	51.890	ug/l	98
56) Ethyl methacrylate	8.02	69	86771	43.395	ug/l	97
57) 1,3-Dichloropropane	8.24	76	105825	51.827	ug/l	98
59) 2-Hexanone	8.36	43	334677	229.717	ug/l	96
60) Dibromochloromethane	8.48	129	66298	51.099	ug/l	99
61) 1,2-Dibromoethane	8.59	107	64313	49.477	ug/l	99
64) Tetrachloroethene	8.23	164	55241	53.439	ug/l	95
65) Chlorobenzene	9.12	112	164369	50.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61067	51.436	ug/l	98
67) Ethyl Benzene	9.25	91	273239	51.405	ug/l	99
68) m/p-Xylenes	9.38	106	219795	108.702	ug/l	96
69) o-Xylene	9.78	106	104937	48.610	ug/l	96
70) Styrene	9.79	104	177547	48.832	ug/l	98
71) Bromoform	9.96	173	52690	51.028	ug/l #	99
73) Isopropylbenzene	10.17	105	279749	49.114	ug/l	99
74) N-amyl acetate	10.02	43	98649	36.684	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	101101	43.552	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	80389m	42.934	ug/l	
77) Bromobenzene	10.45	156	75226	48.594	ug/l	95
78) n-propylbenzene	10.59	91	321281	48.496	ug/l	98
79) 2-Chlorotoluene	10.66	91	192970	46.989	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	238323	49.778	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	23771m	43.194	ug/l	
82) 4-Chlorotoluene	10.77	91	221152	47.930	ug/l	98
83) tert-Butylbenzene	11.10	119	234808	48.326	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	244777	50.689	ug/l	99
85) sec-Butylbenzene	11.33	105	283304	49.099	ug/l	98
86) p-Isopropyltoluene	11.48	119	254662	45.996	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	138073	47.809	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	140077	46.703	ug/l	99
89) n-Butylbenzene	11.89	91	209251	41.491	ug/l	97
90) Hexachloroethane	12.15	117	44585	43.789	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	138609	47.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20627	44.320	ug/l	92
93) 1,2,4-Trichlorobenzene	13.50	180	93465	48.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	49783	50.160	ug/l	99
95) Naphthalene	13.74	128	294205	45.426	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101100	50.177	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: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:168 Resp: 92470

Ion Ratio Lower Upper

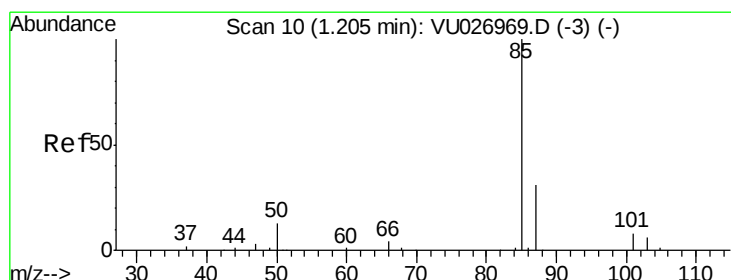
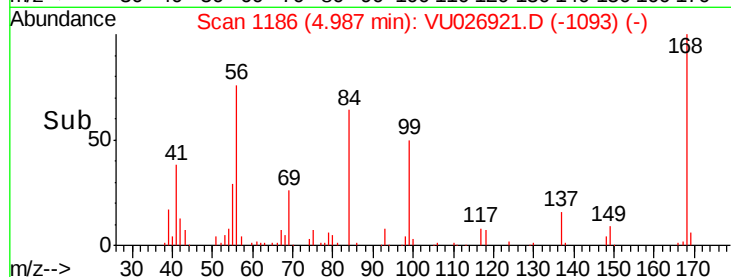
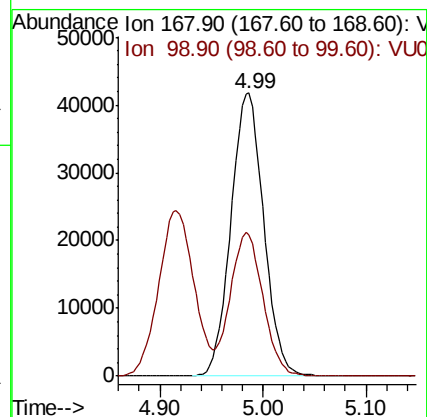
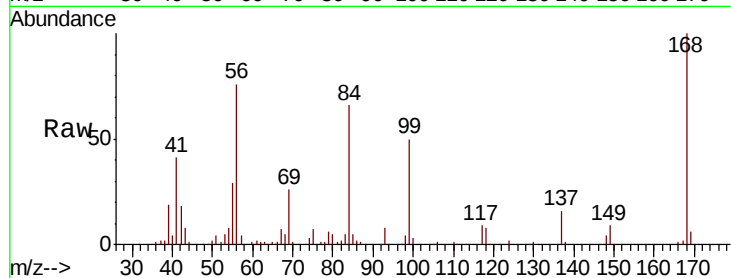
168 100

99 50.0 42.0 63.0

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#2

Dichlorodifluoromethane

Concen: 50.878 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026921.D

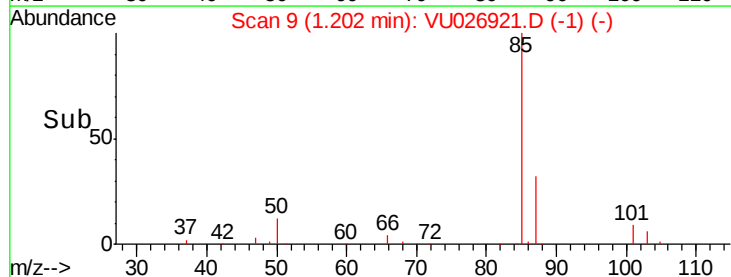
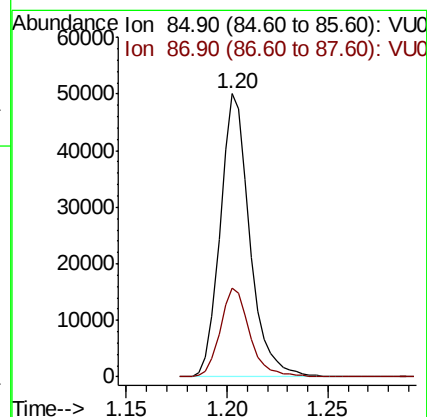
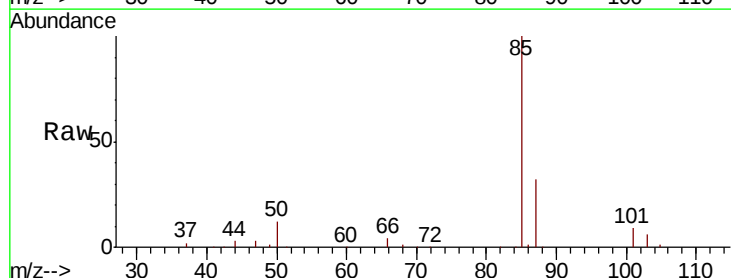
Acq: 20 Sep 2018 00:41

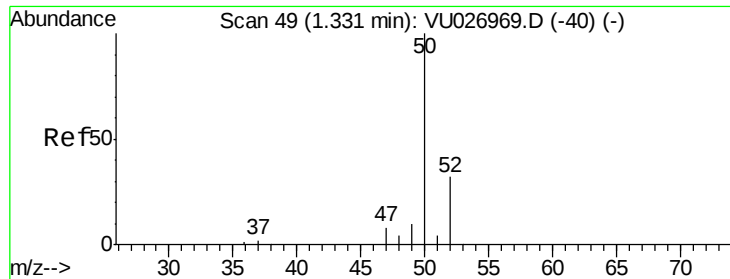
Tgt Ion: 85 Resp: 50830

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7





#3

Chloromethane

Concen: 42.807 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 50 Resp: 59749

Ion Ratio Lower Upper

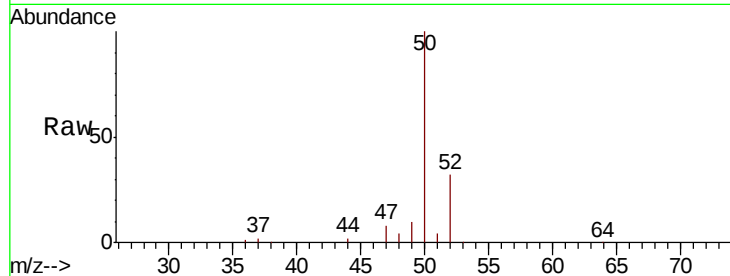
50 100

52 32.4 26.3 39.5

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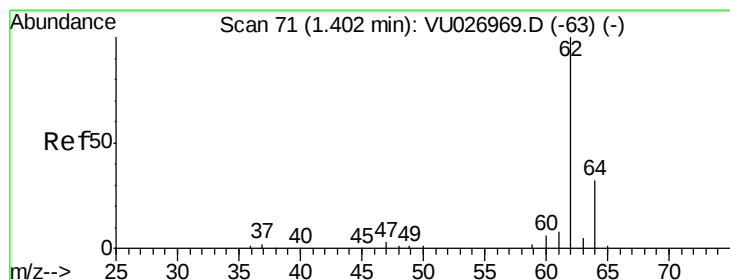
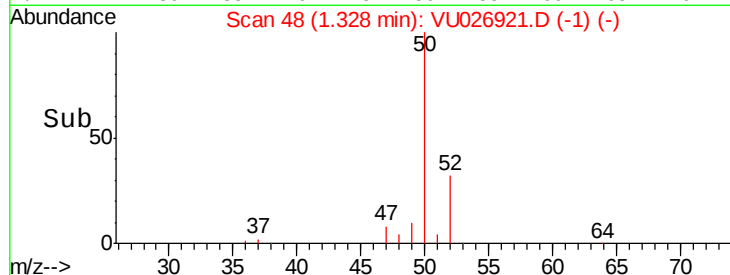
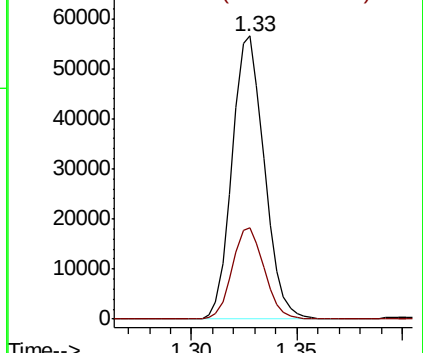
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Abundance Ion 49.90 (49.60 to 50.60): VU026921.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU026921.D (-1) (-)



#4

Vinyl Chloride

Concen: 44.228 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026921.D

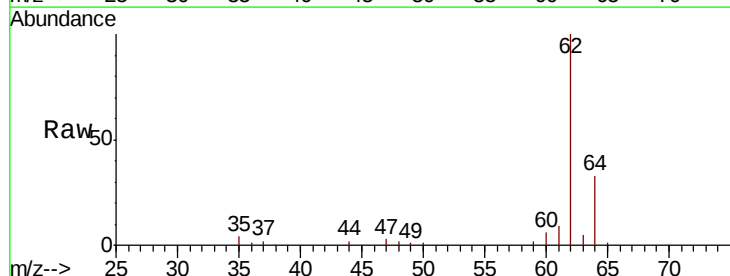
Acq: 20 Sep 2018 00:41

Tgt Ion: 62 Resp: 63975

Ion Ratio Lower Upper

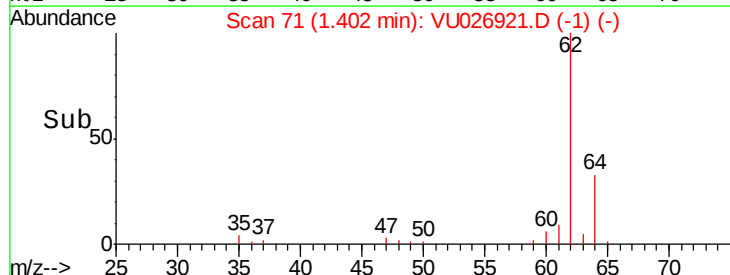
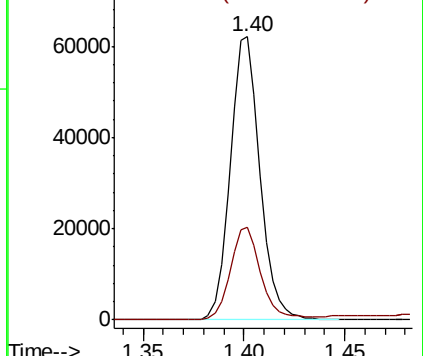
62 100

64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VU026921.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU026921.D (-1) (-)





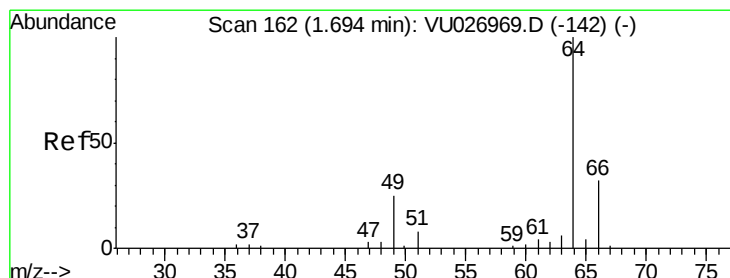
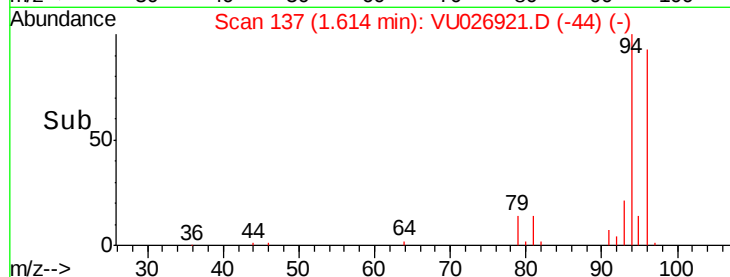
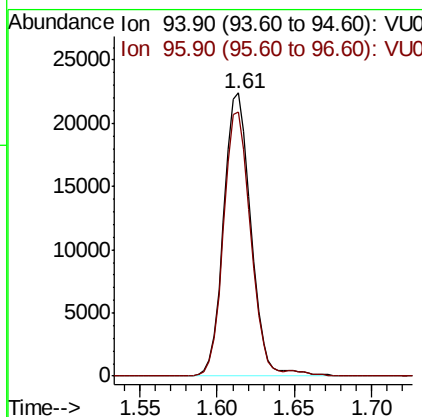
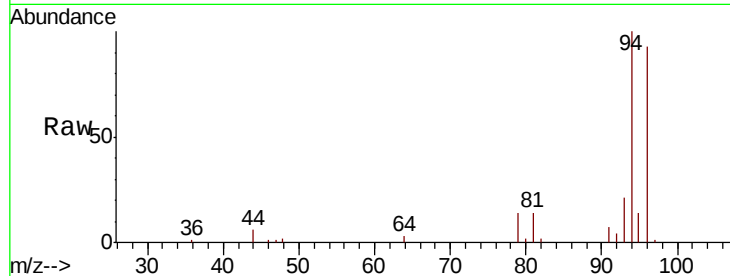
#5
Bromomethane
Concen: 30.215 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

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Tot Ion: 94 Resp: 27374
Ion Ratio Lower Upper
94 100
96 93.5 75.8 113.6

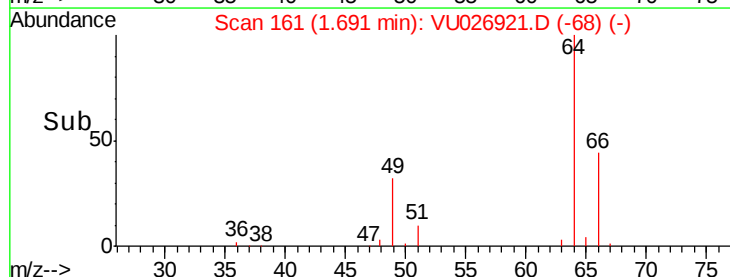
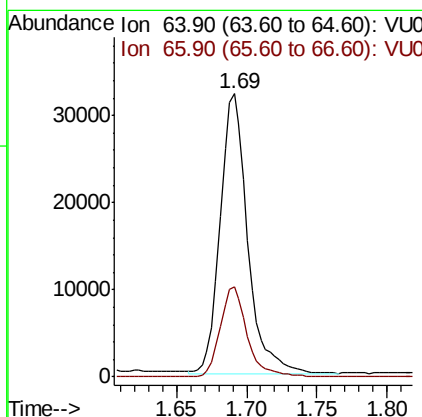
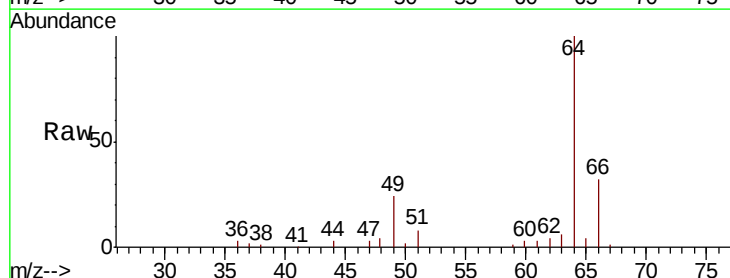
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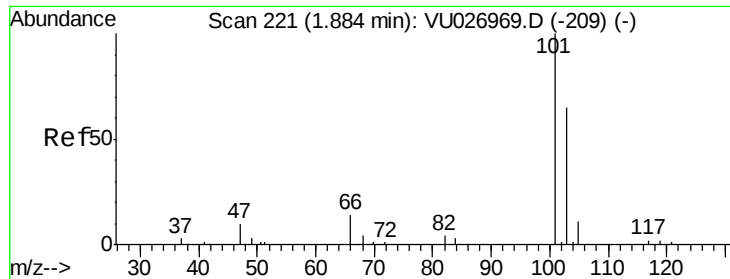
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#6
Chloroethane
Concen: 47.122 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion: 64 Resp: 43379
Ion Ratio Lower Upper
64 100
66 32.2 24.7 37.1





#7

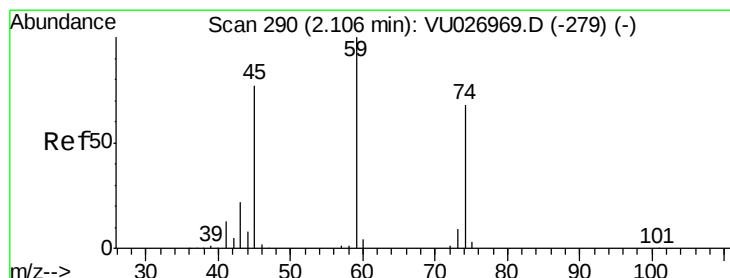
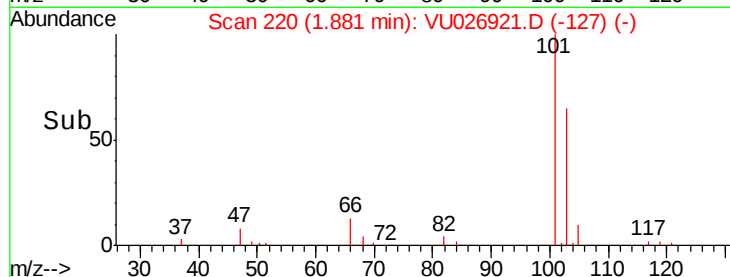
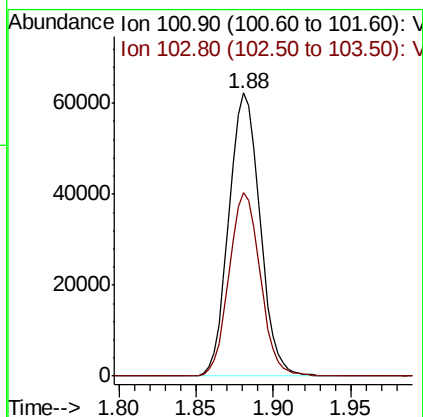
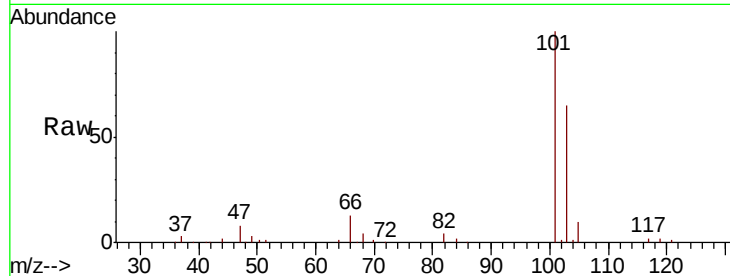
Trichlorofluoromethane
 Concen: 45.998 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
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 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion:101 Resp: 86978
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.7 77.5

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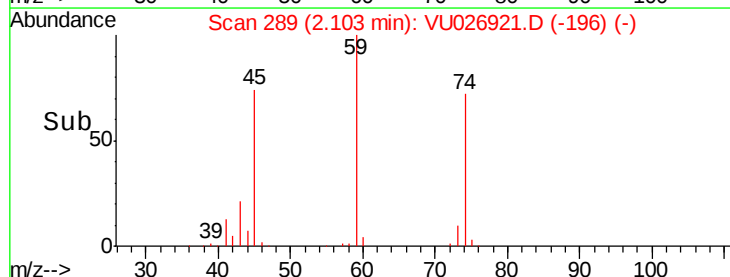
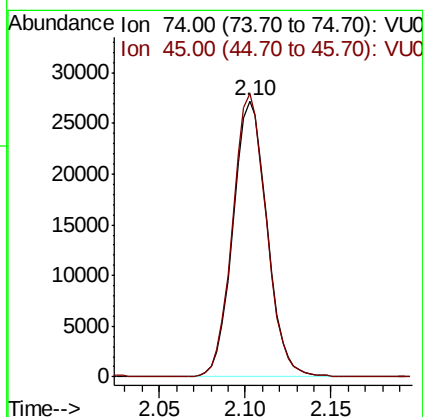
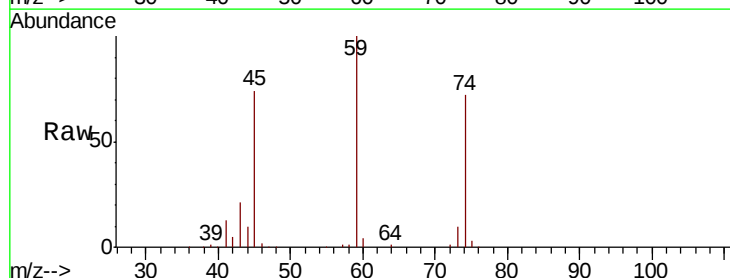
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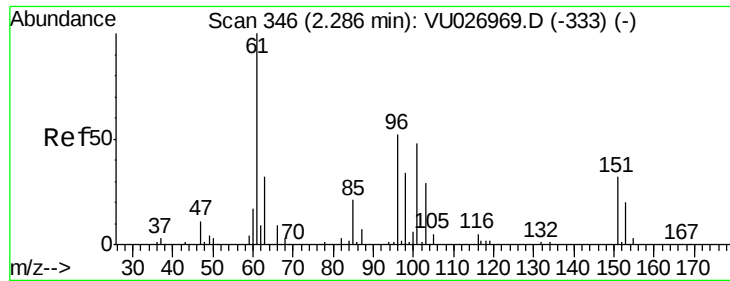


#8

Diethyl Ether
 Concen: 45.504 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion: 74 Resp: 37705
 Ion Ratio Lower Upper
 74 100
 45 101.8 53.6 160.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.056 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

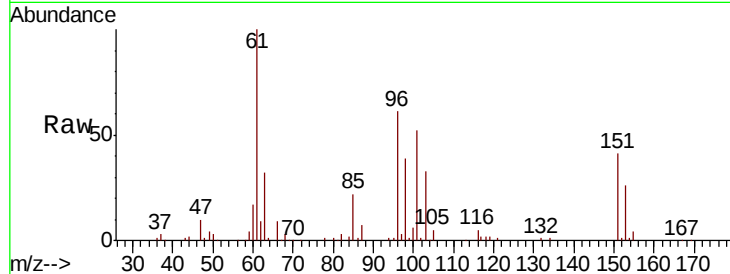
ClientSampleId :

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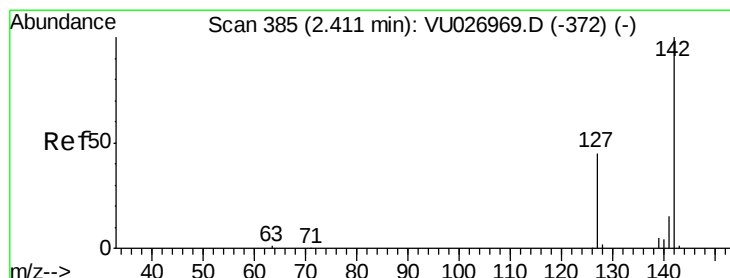
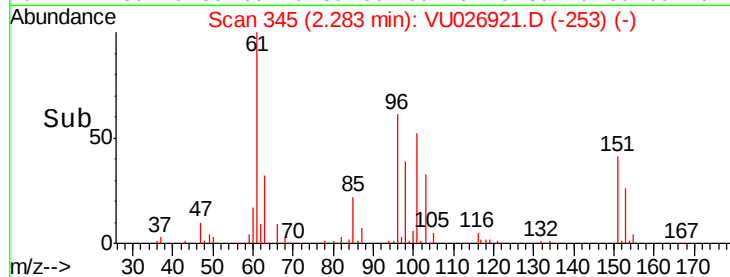
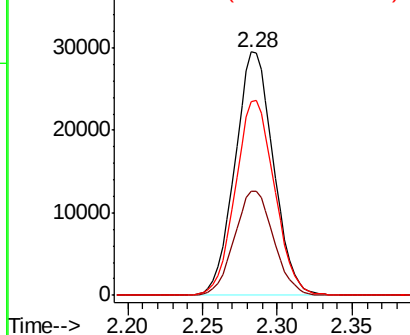
Tot Ion:	101	Resp:	52843
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.6	52.0
151	81.2	62.7	94.1

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.148 ug/l

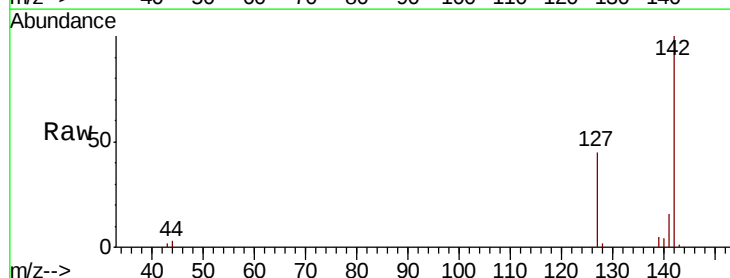
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

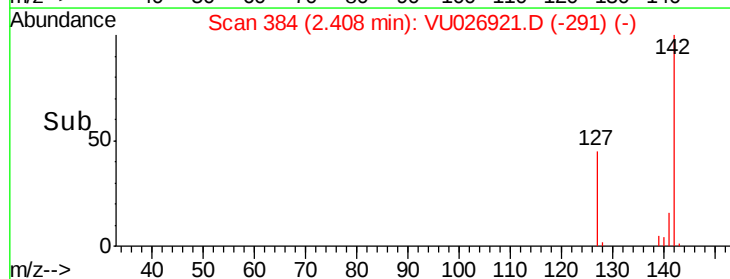
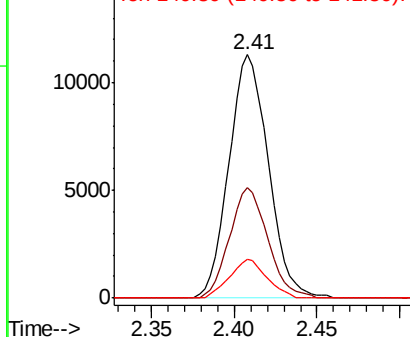
Lab File: VU026921.D

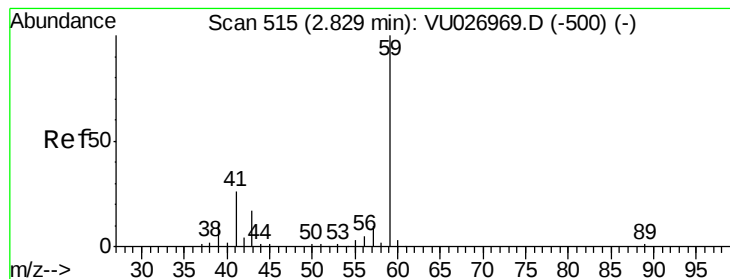
Acq: 20 Sep 2018 00:41

Tgt Ion:	142	Resp:	18715
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.1	51.1
141	14.8	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

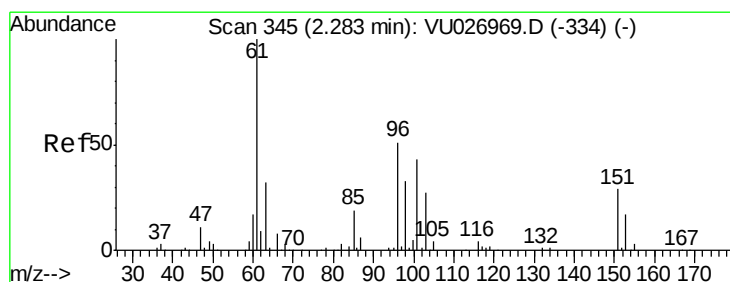
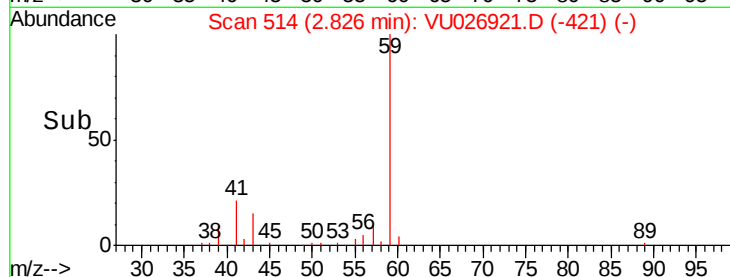
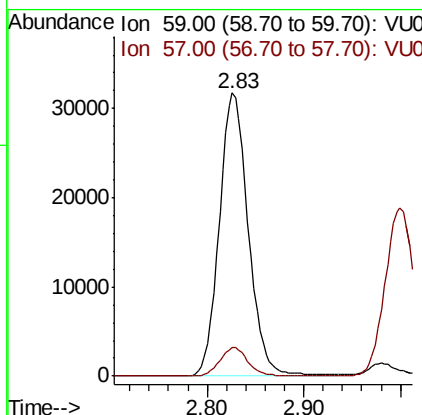
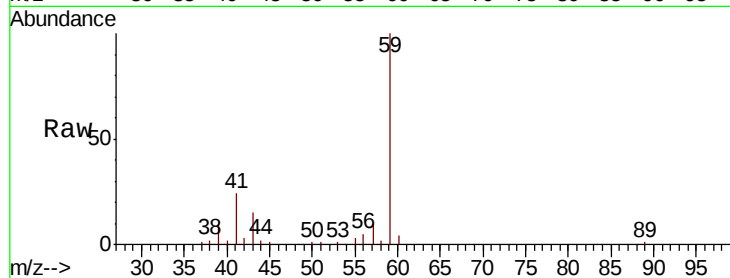
Tert butyl alcohol
Concen: 193.390 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.0	12.0

Manual Integrations
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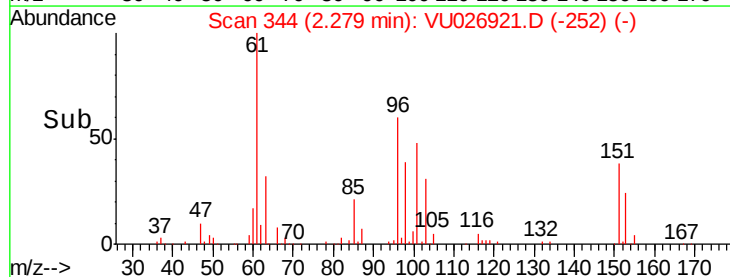
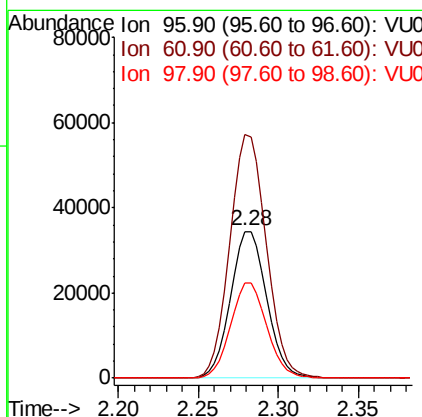
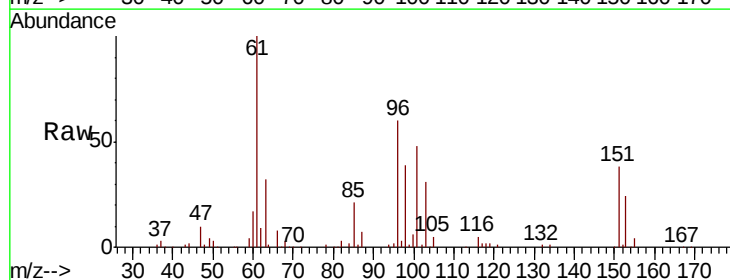
MMDadoda
9/21/2018 4:12:28 PM

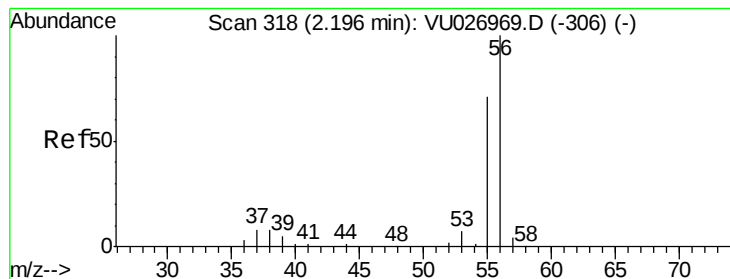


#12

1,1-Dichloroethene
Concen: 49.811 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	133.0	199.6
98	64.5	51.3	76.9





#13

Acrolein

Concen: 233.833 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 56 Resp: 53878

Ion Ratio Lower Upper

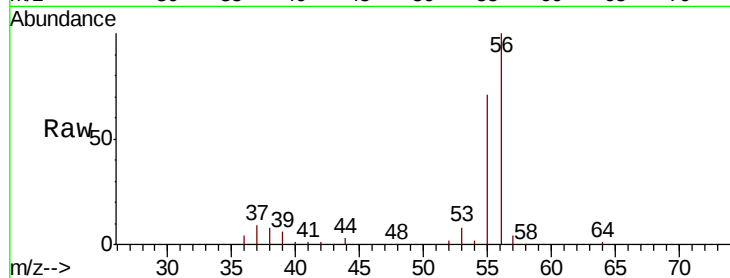
56 100

55 71.1 57.4 86.2

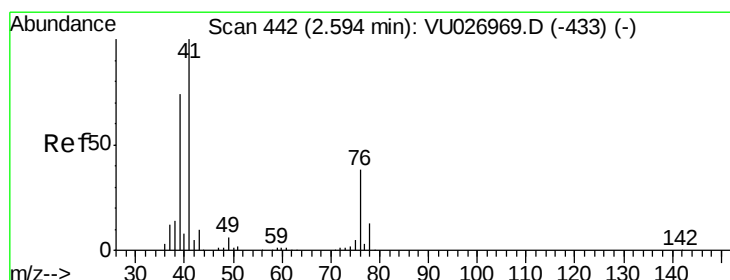
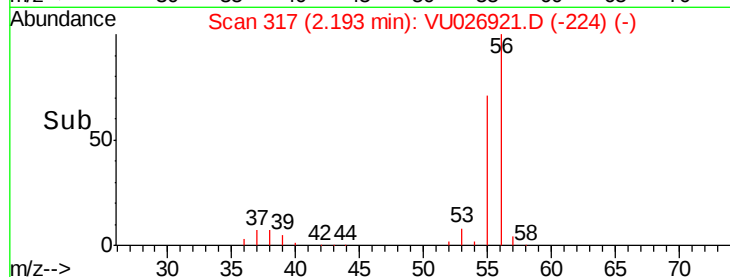
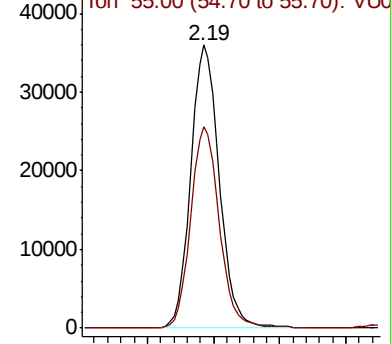
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU026921.D (-224) (-)



#14

Allyl chloride

Concen: 44.619 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

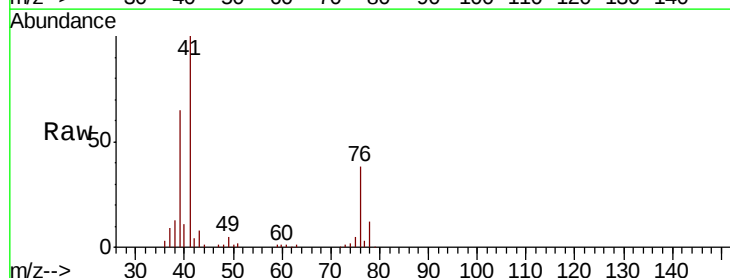
Tgt Ion: 41 Resp: 85312

Ion Ratio Lower Upper

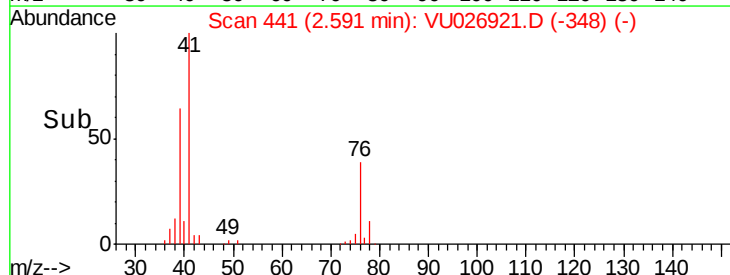
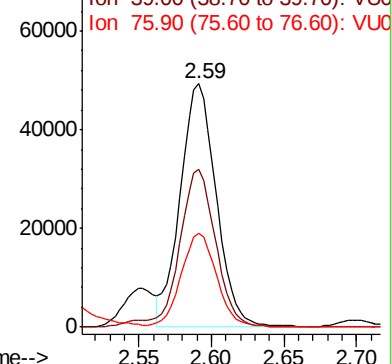
41 100

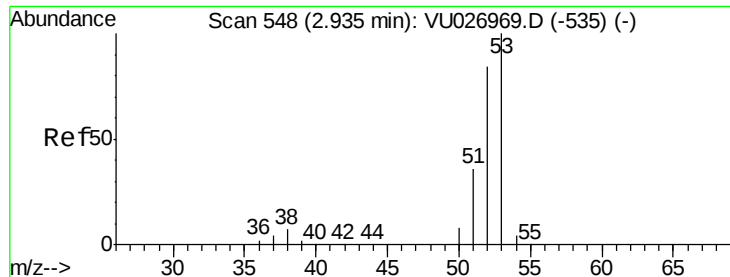
39 65.4 56.9 85.3

76 37.2 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU026921.D (-348) (-)





#15

Acrylonitrile

Concen: 244.951 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

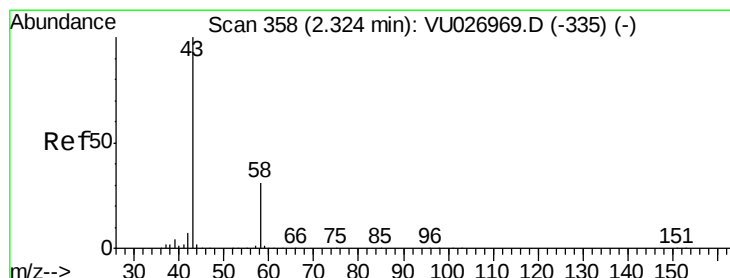
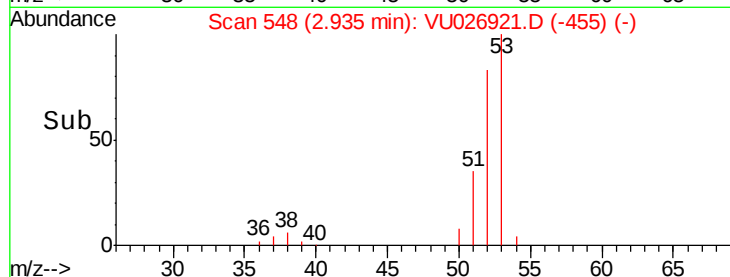
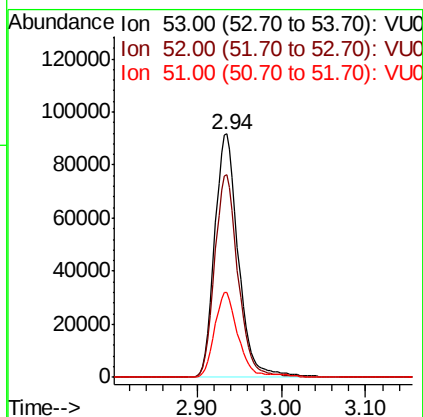
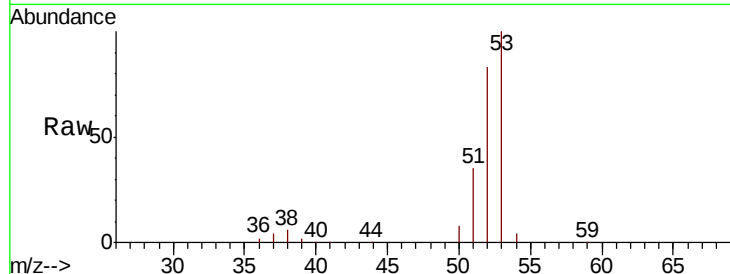
ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:	53	Resp:	179611
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.8	98.8
51	34.1	27.7	41.5

Manual Integrations
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#16

Acetone

Concen: 195.484 ug/l

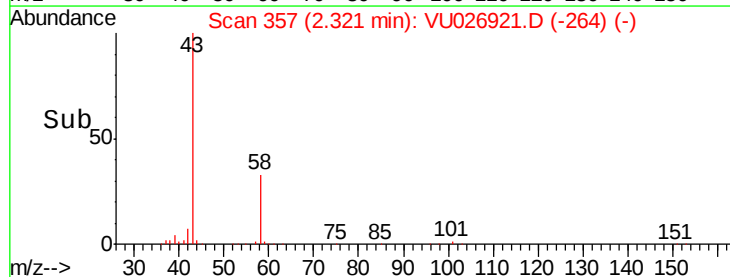
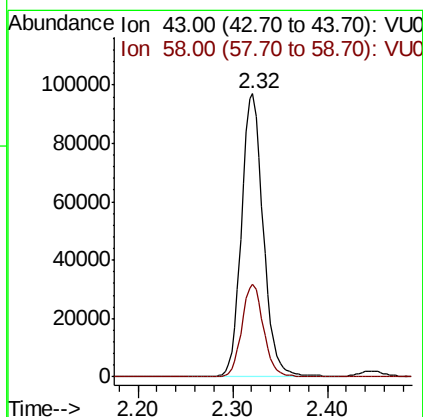
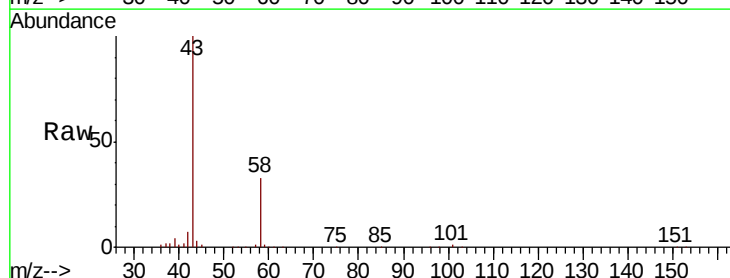
RT: 2.32 min Scan# 357

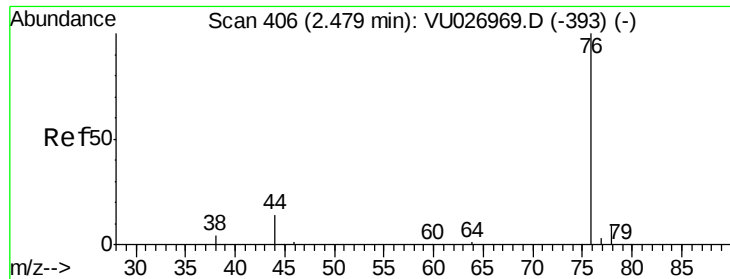
Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion:	43	Resp:	155249
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.1	37.7





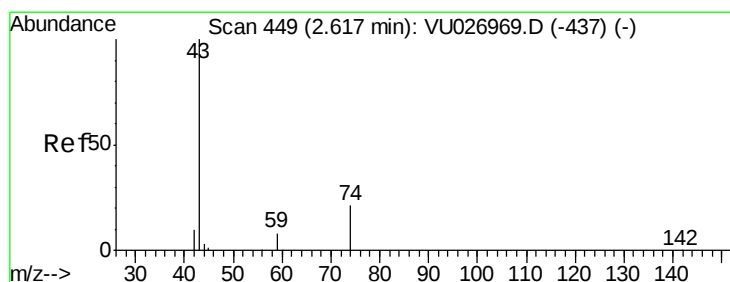
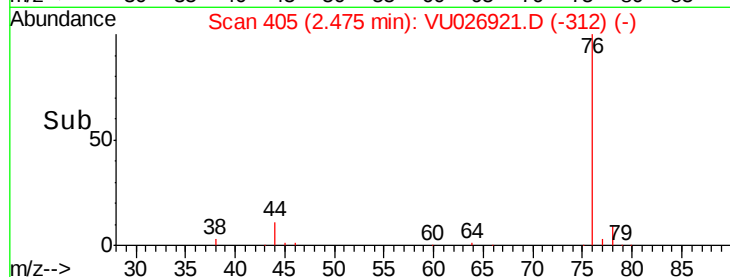
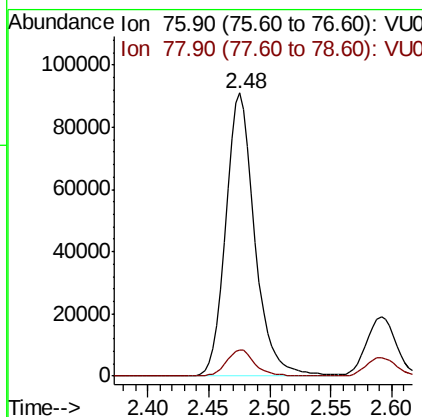
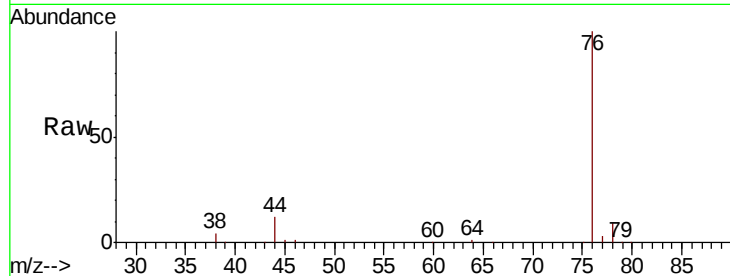
#17
Carbon Disulfide
Concen: 45.003 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion: 76 Resp: 152010
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

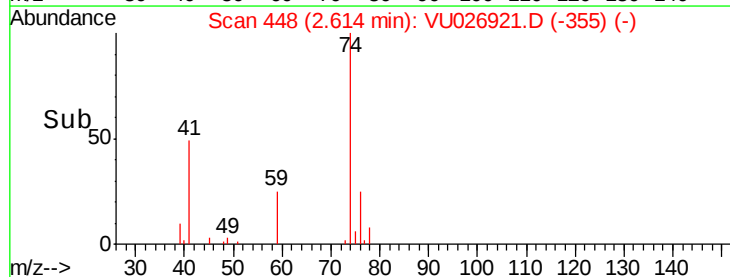
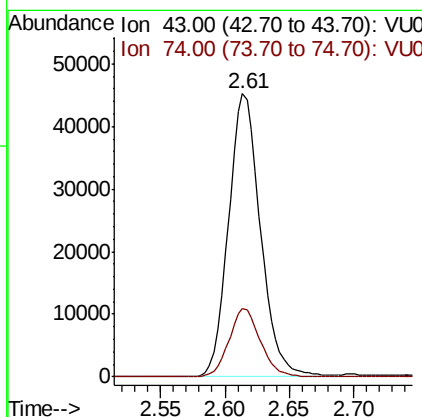
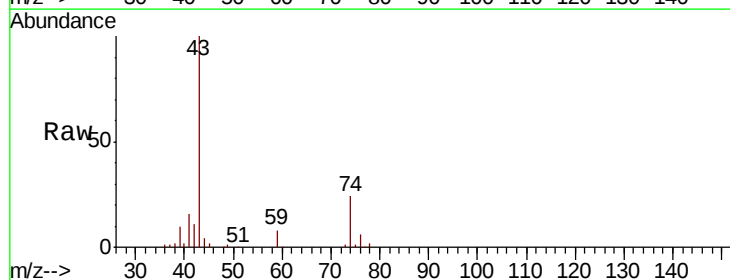
Manual Integrations
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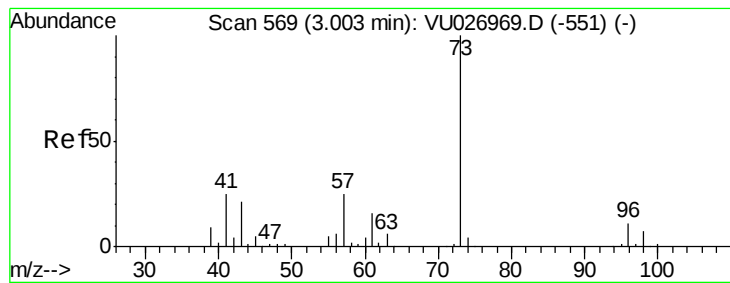
MMDadoda
9/21/2018 4:12:28 PM



#18
Methyl Acetate
Concen: 45.500 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion: 43 Resp: 77967
Ion Ratio Lower Upper
43 100
74 23.6 17.7 26.5





#19

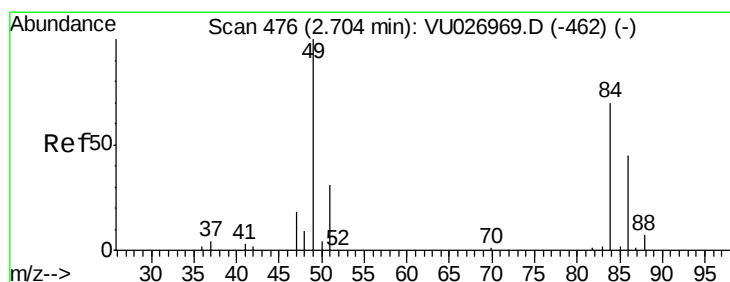
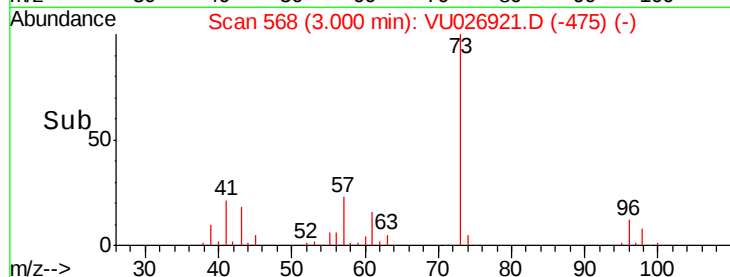
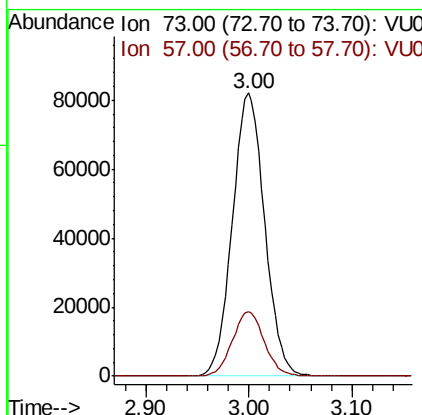
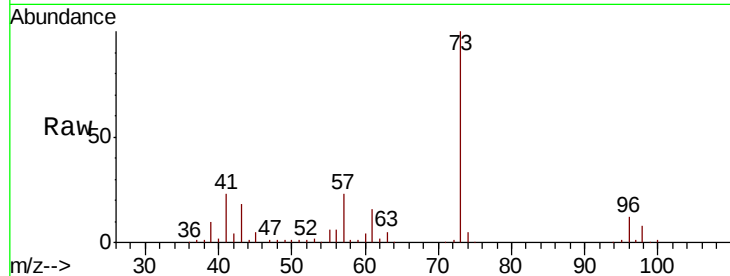
Methyl tert-butyl Ether
 Concen: 48.898 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.9	28.3

Manual Integrations
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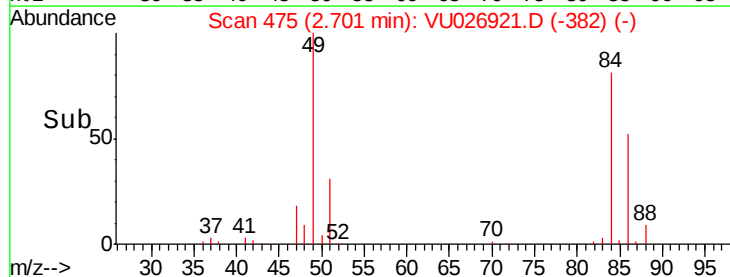
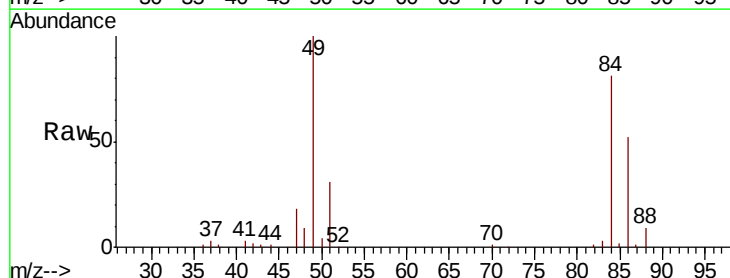
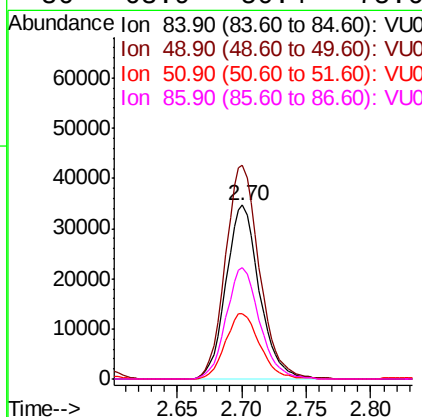
MMDadoda
 9/21/2018 4:12:28 PM

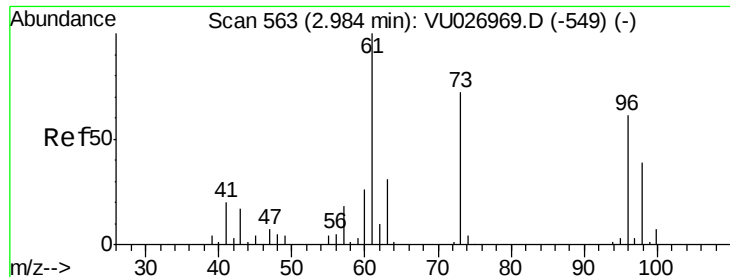


#20

Methylene Chloride
 Concen: 48.478 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.1	100.6	151.0
51	37.9	30.9	46.3
86	63.9	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 49.042 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 96 Resp: 54847

Ion Ratio Lower Upper

96 100

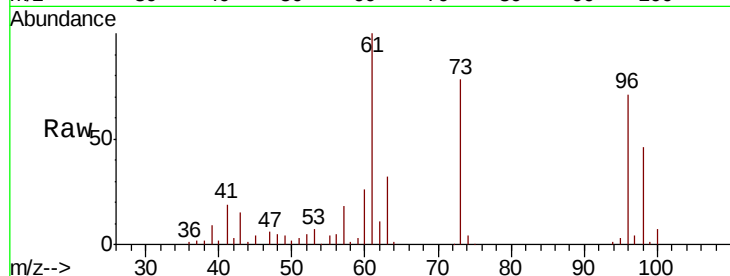
61 141.1 117.7 176.5

98 65.4 52.0 78.0

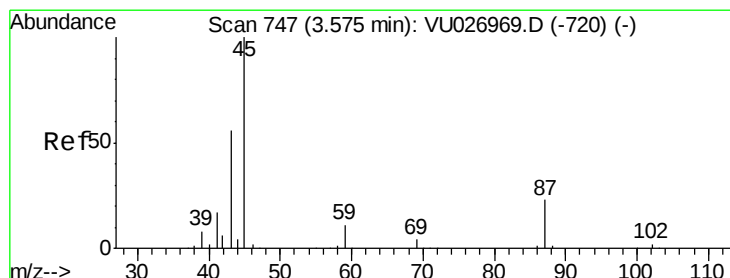
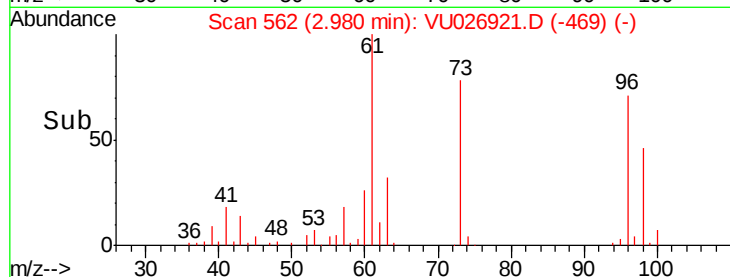
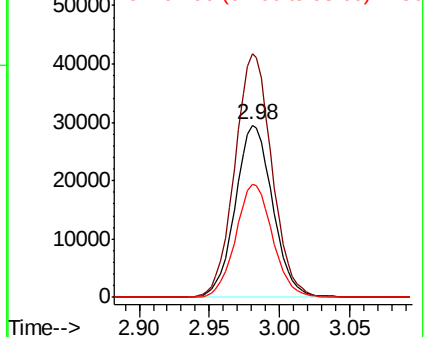
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 47.482 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion: 45 Resp: 189478

Ion Ratio Lower Upper

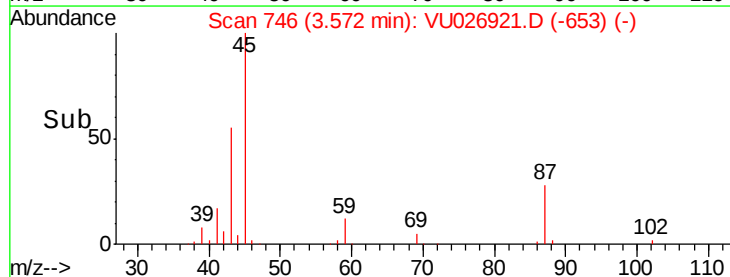
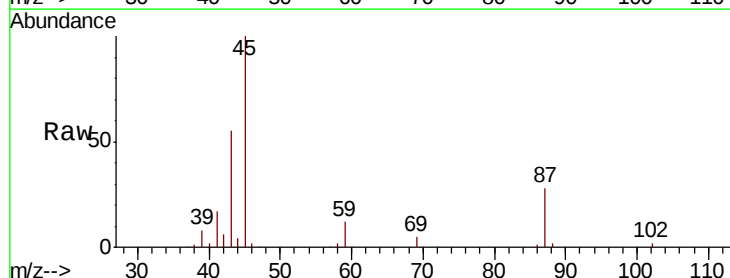
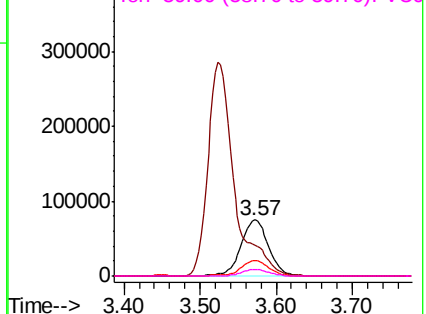
45 100

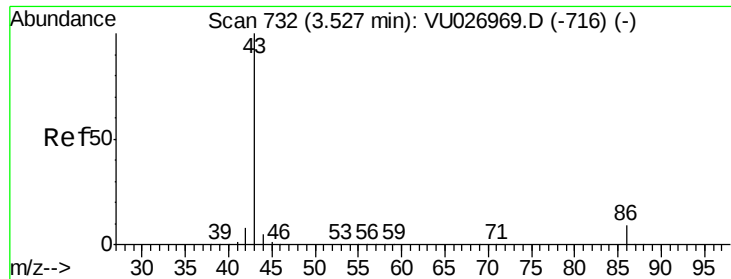
43 54.6 44.6 67.0

87 27.7 21.4 32.0

59 11.9 9.0 13.4

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: 203.138 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 43 Resp: 688592

Ion Ratio Lower Upper

43 100

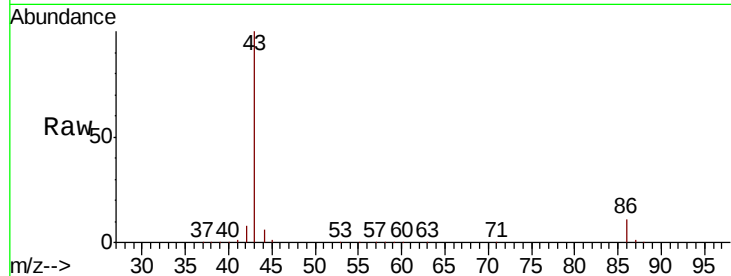
86 11.0 7.8 11.8

Manual Integrations

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9/21/2018 4:12:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

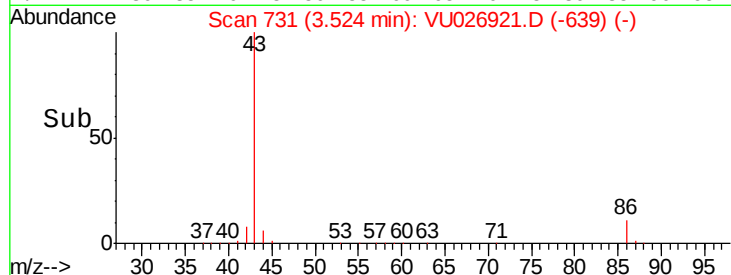
300000

200000

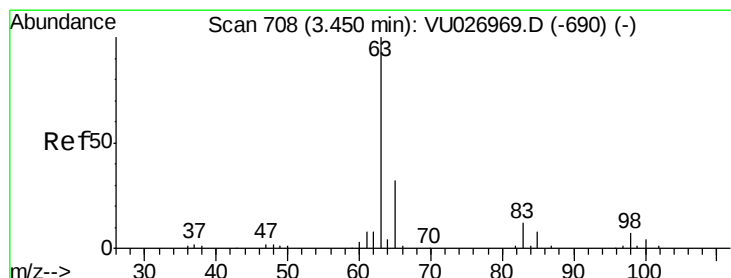
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 82.360 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

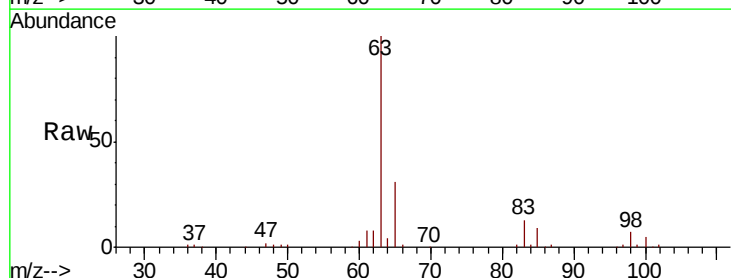
Tgt Ion: 63 Resp: 185398

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 4.7 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

100000

80000

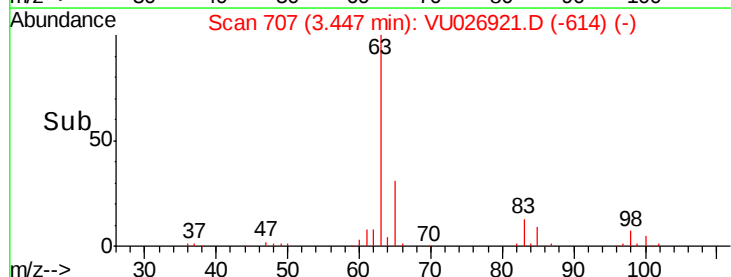
60000

40000

20000

0

Time-->



Time-->



#25

2-Butanone

Concen: 218.836 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 43 Resp: 234107

Ion Ratio Lower Upper

43 100

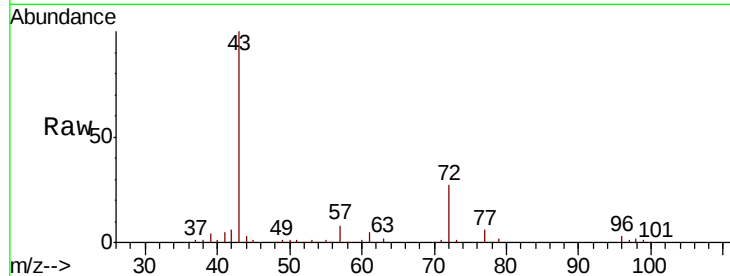
72 26.8 20.3 30.5

Manual Integrations

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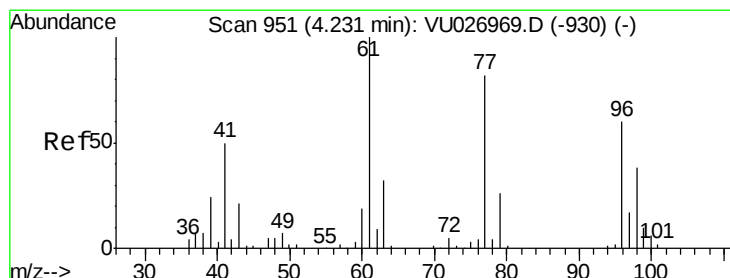
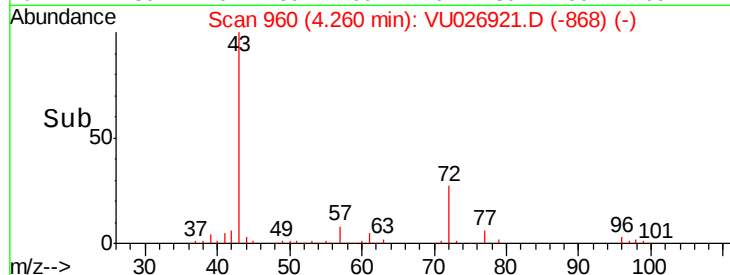
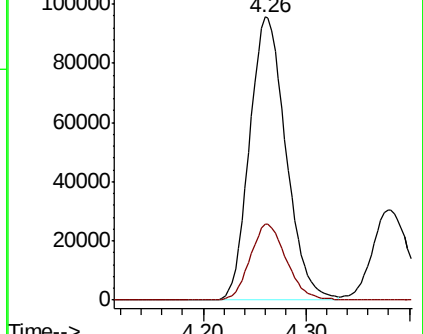
MMDadoda

9/21/2018 4:12:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 38.210 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026921.D

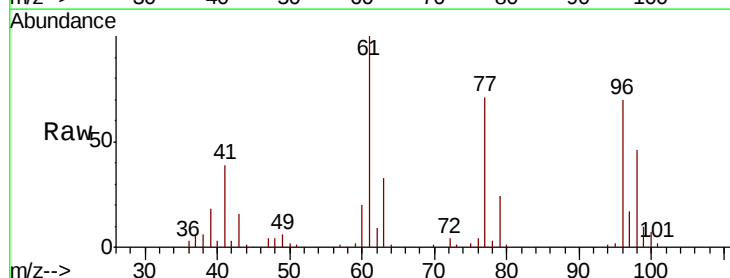
Acq: 20 Sep 2018 00:41

Tgt Ion: 77 Resp: 70701

Ion Ratio Lower Upper

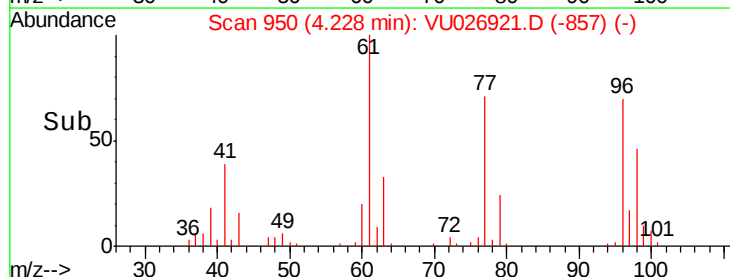
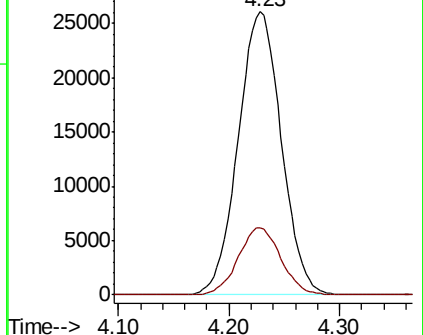
77 100

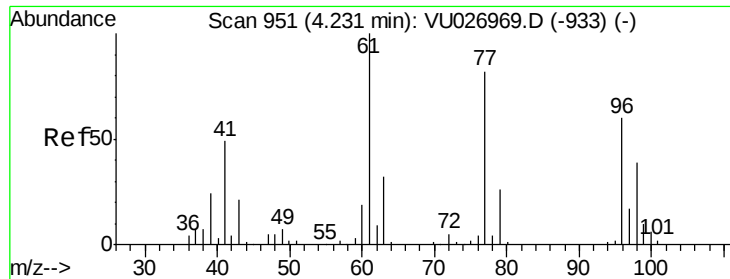
97 23.4 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

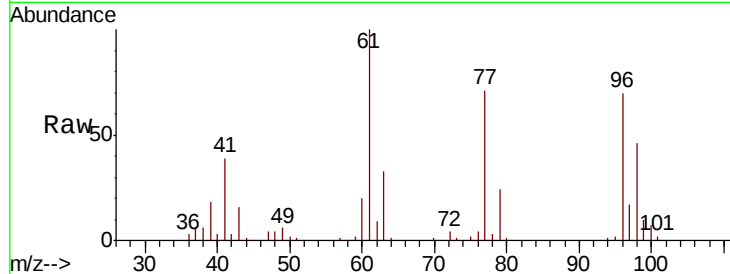
cis-1,2-Dichloroethene
Concen: 47.971 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	301.8
98	65.1	0.0	127.2

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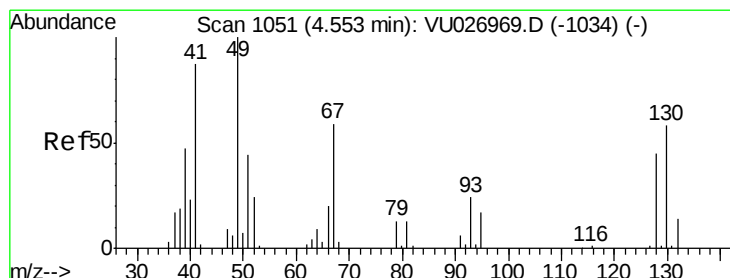
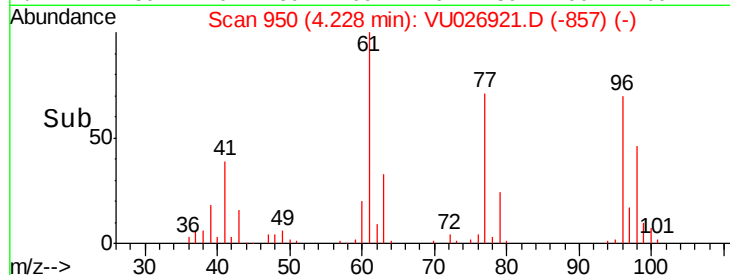
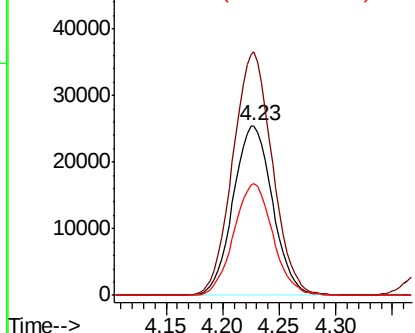


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

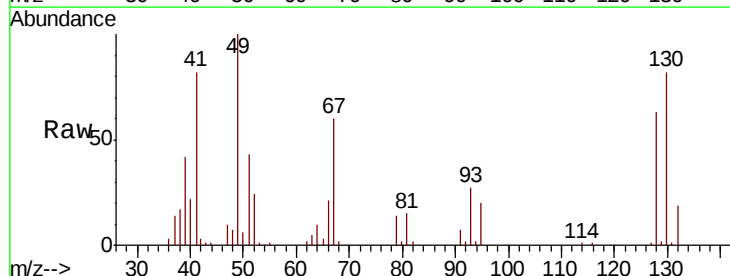
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 48.416 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	80.4	59.8	89.6

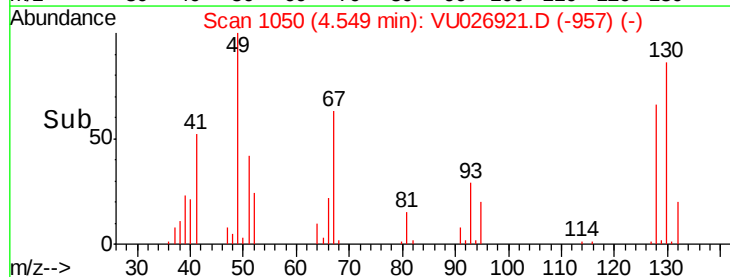
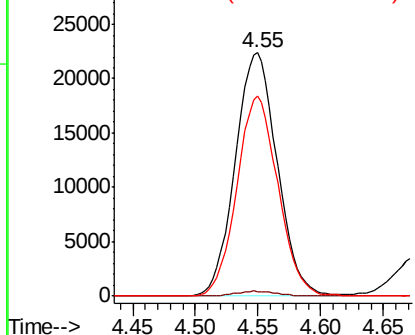


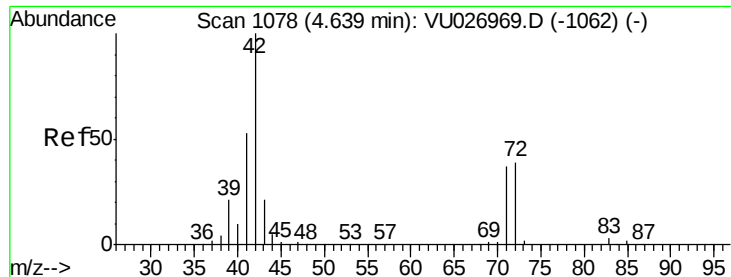
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





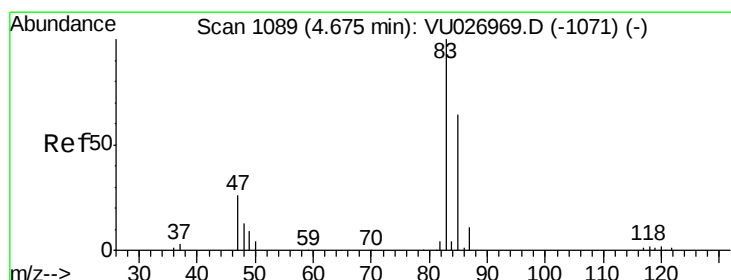
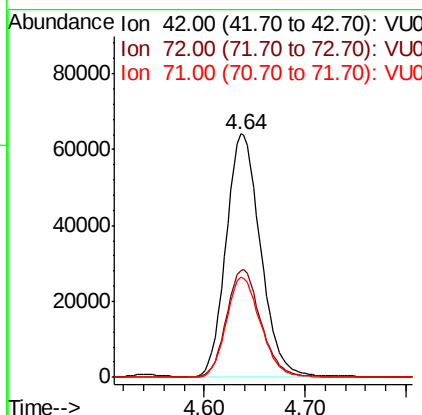
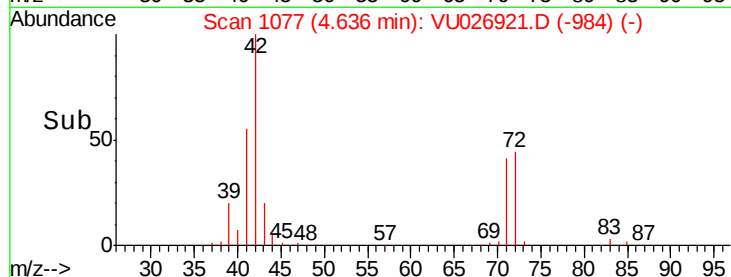
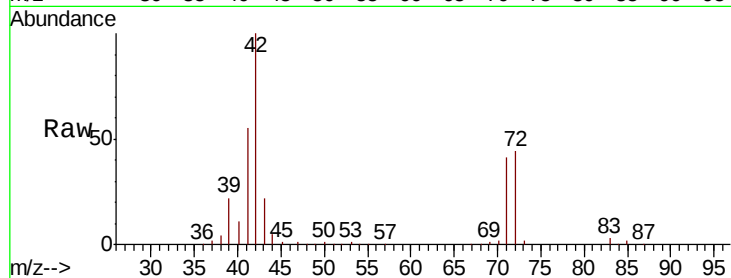
#29
Tetrahydrofuran
Concen: 235.913 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.4	51.6
71	41.2	32.4	48.6

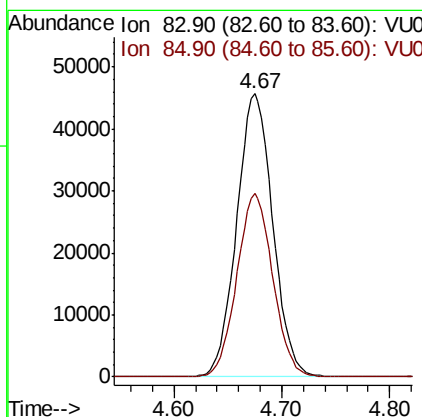
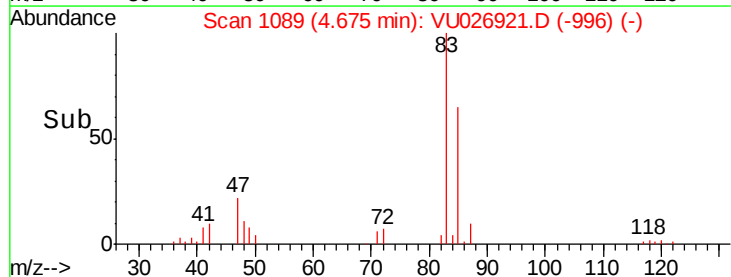
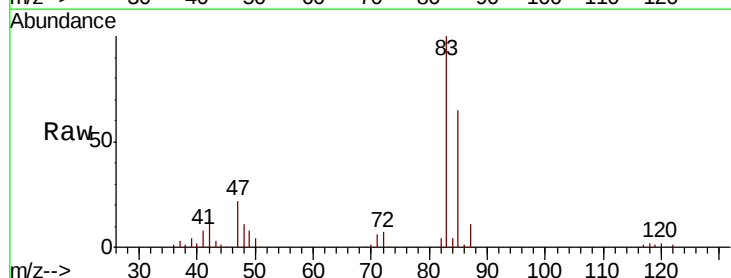
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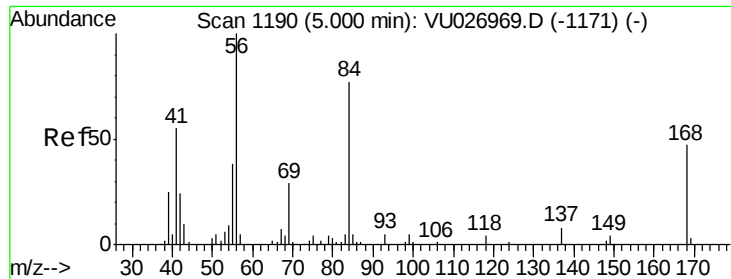
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#30
Chloroform
Concen: 48.035 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.3	79.9





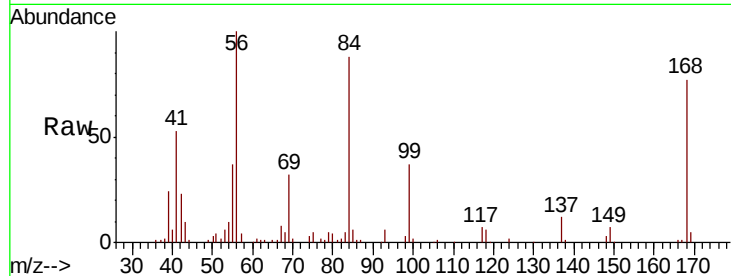
#31
Cyclohexane
Concen: 45.532 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

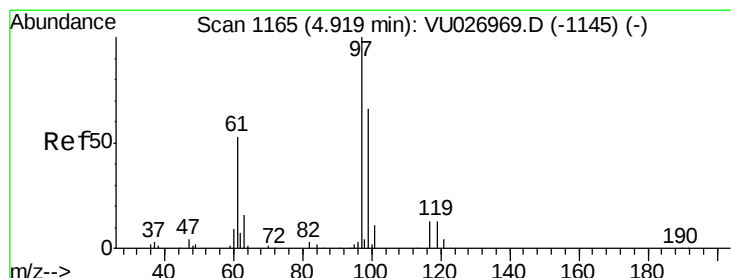
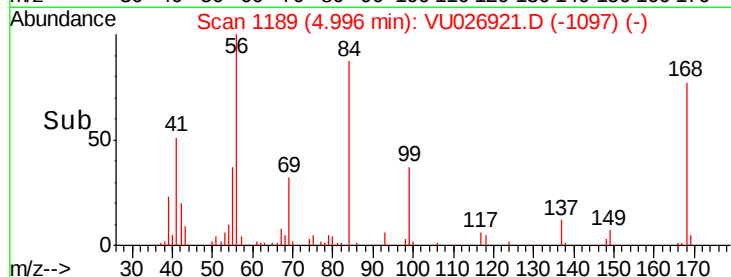
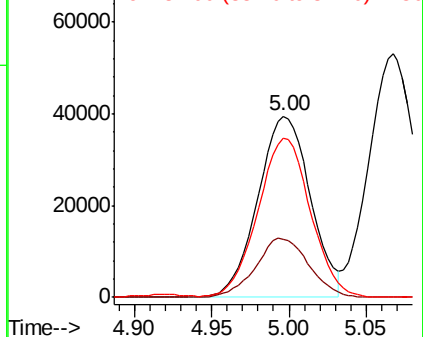
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.9	37.3
84	86.9	66.6	100.0

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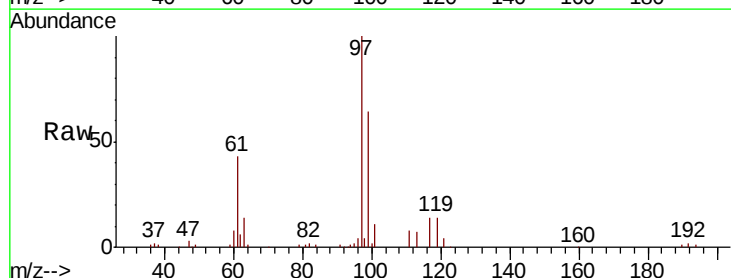


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

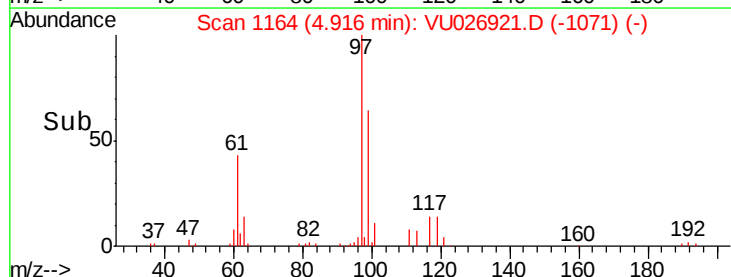
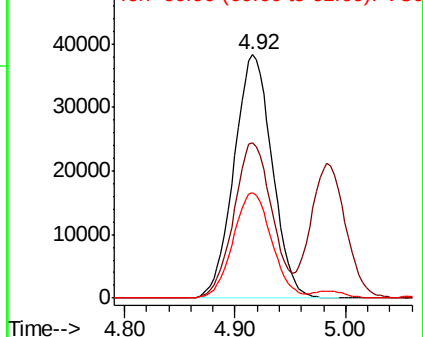


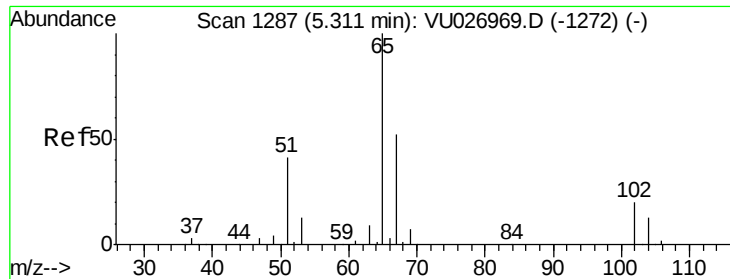
#32
1,1,1-Trichloroethane
Concen: 50.143 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	43.7	36.8	55.2



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





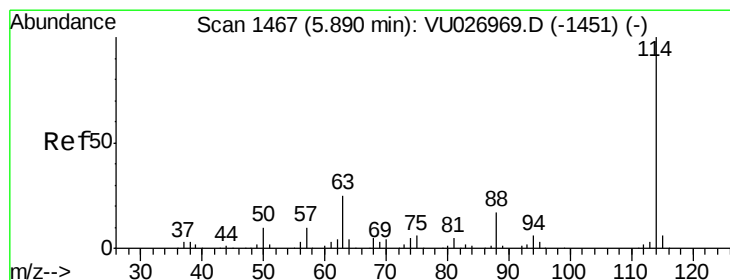
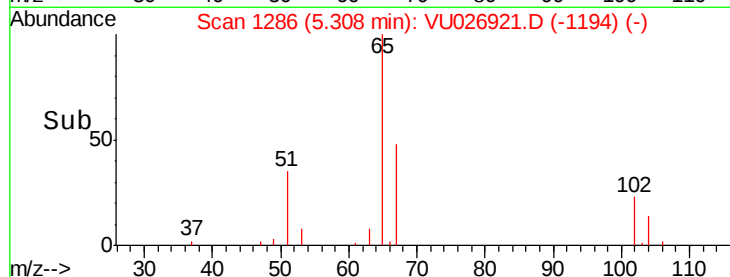
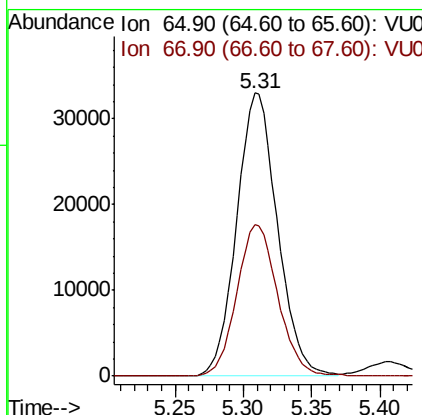
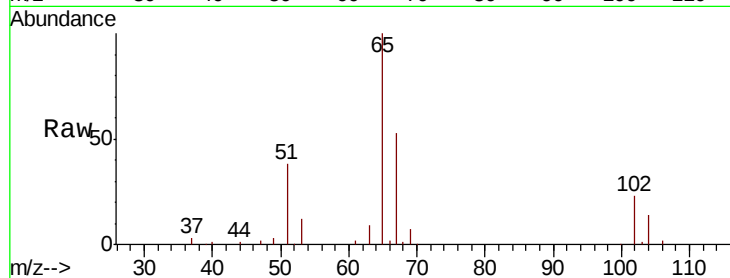
#33
 1,2-Dichloroethane-d4
 Concen: 48.865 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.4

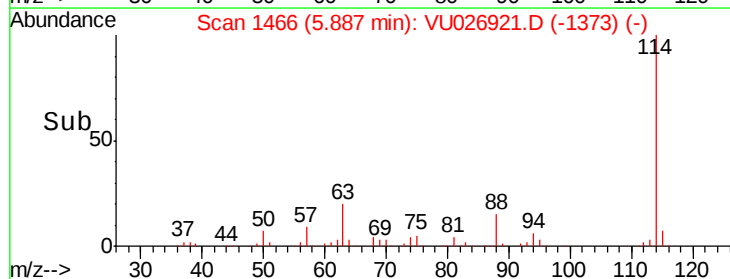
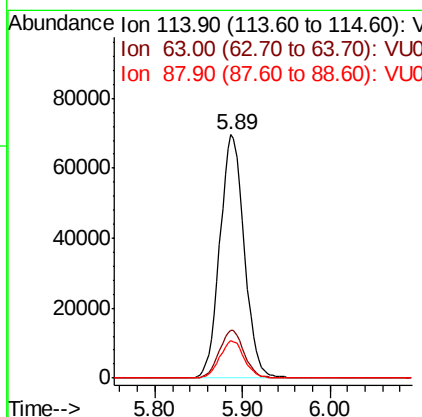
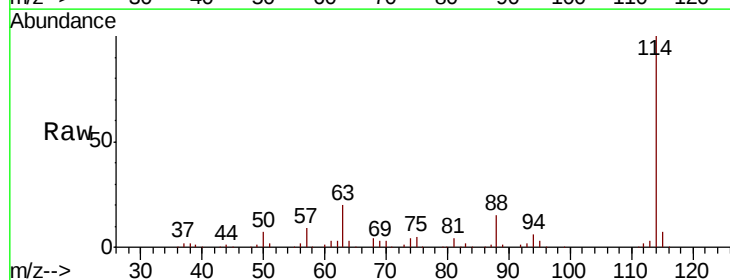
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	41.4
88	15.2	0.0	30.8





#35

Dibromofluoromethane

Concen: 52.926 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

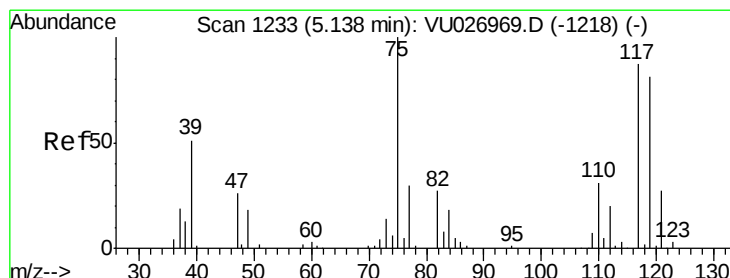
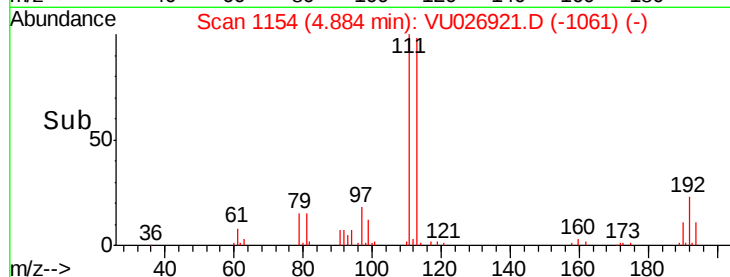
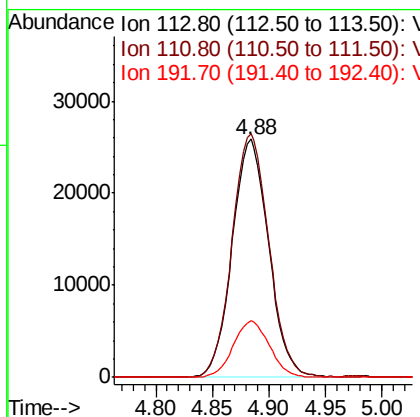
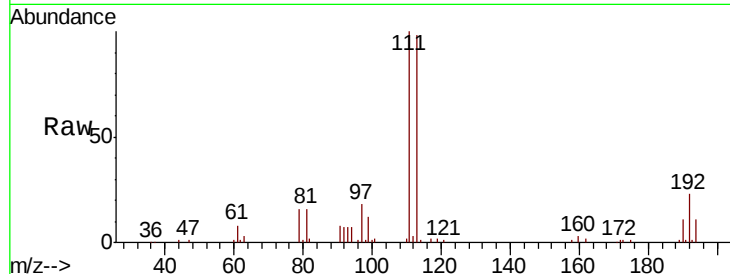
ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:	113	Resp:	58120
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	23.5	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 50.928 ug/l

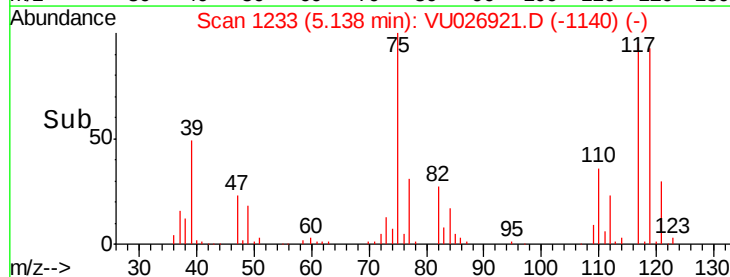
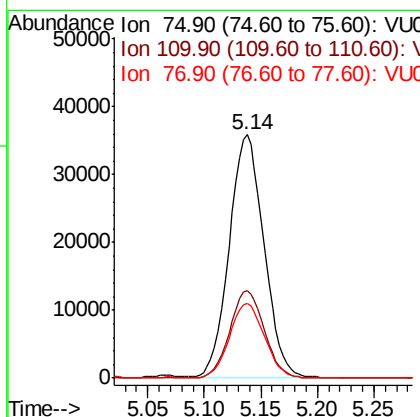
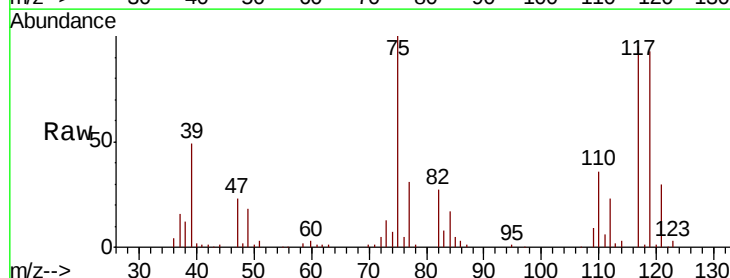
RT: 5.14 min Scan# 1233

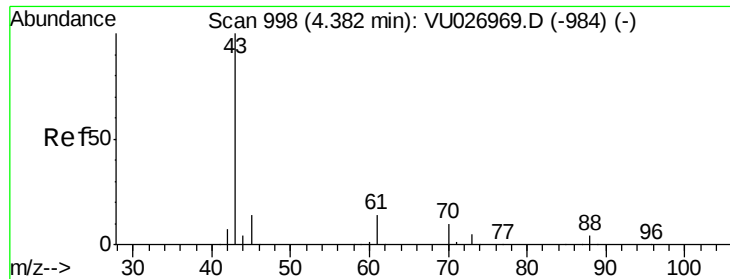
Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion:	75	Resp:	76977
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	51.9
77	30.8	24.9	37.3





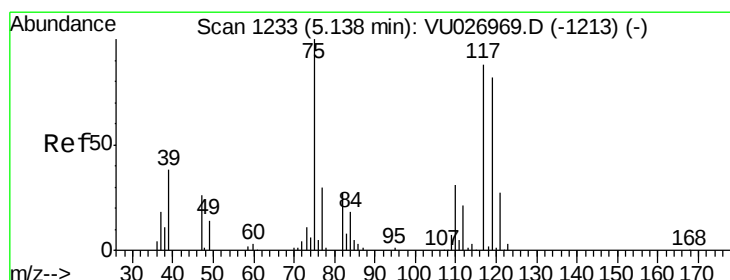
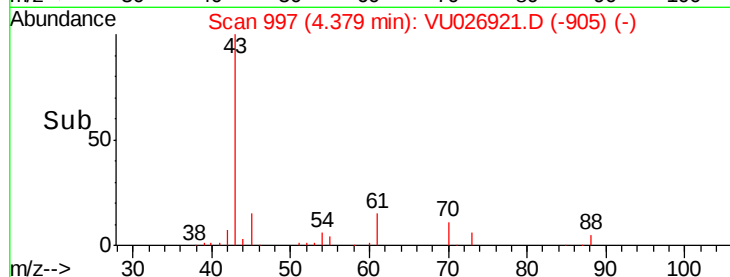
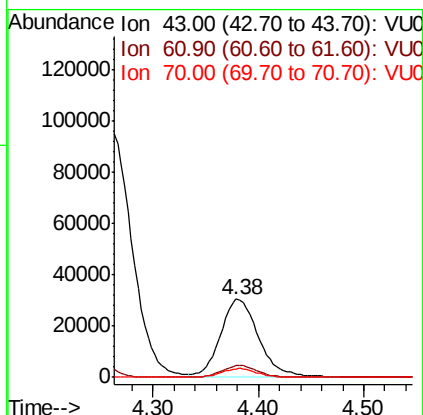
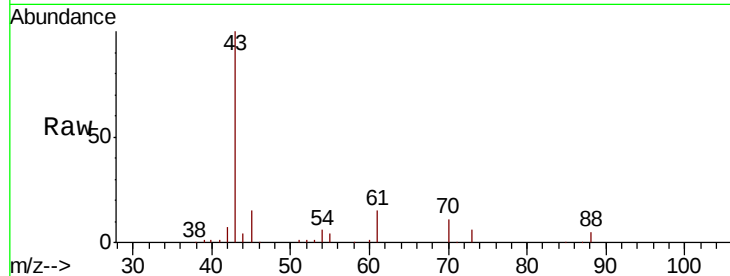
#37
Ethyl Acetate
Concen: 41.540 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	10.7	7.8	11.8

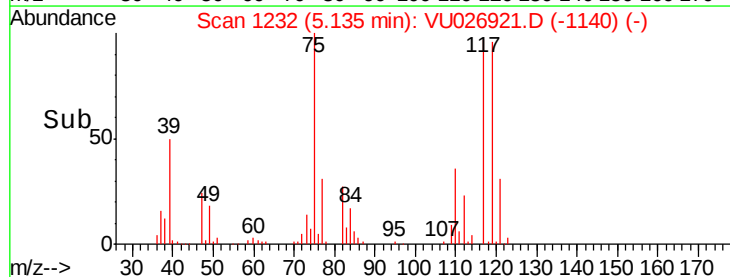
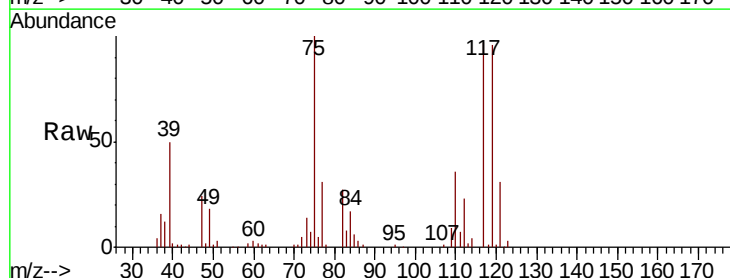
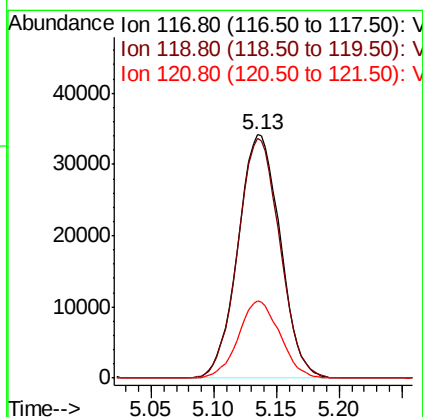
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#38
Carbon Tetrachloride
Concen: 49.902 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.8	116.8
121	31.7	25.0	37.4





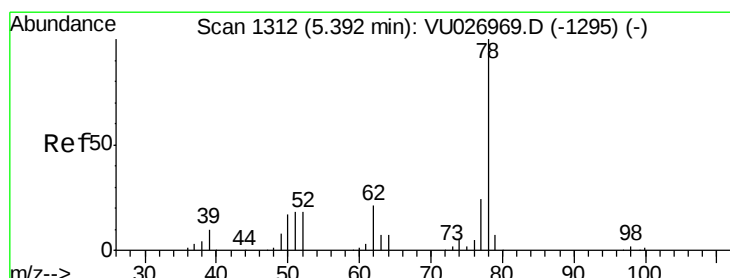
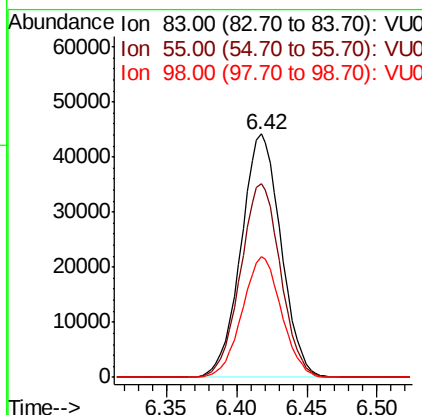
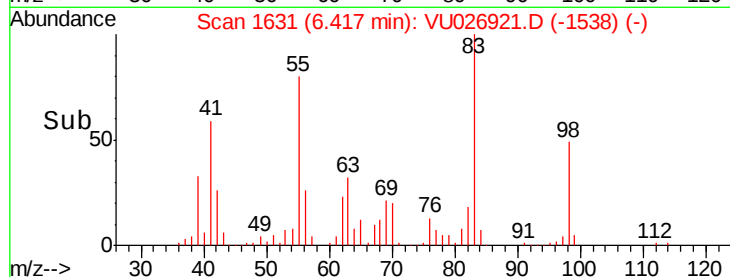
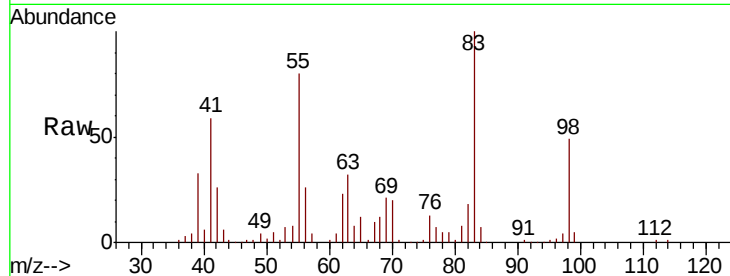
#39
Methvlcvclohexane
Concen: 48.737 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	63.8	95.6
98	49.4	37.2	55.8

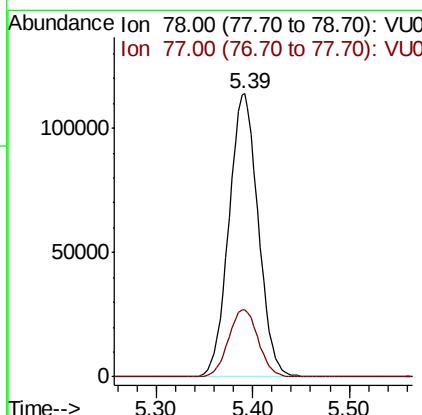
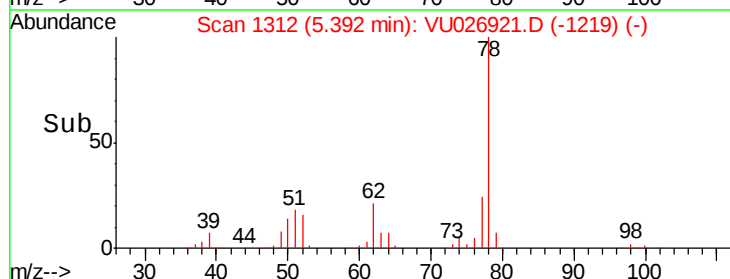
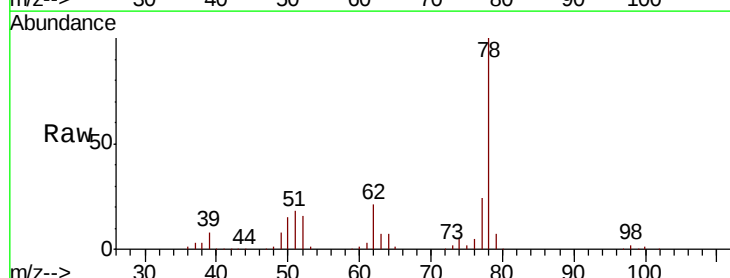
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#40
Benzene
Concen: 50.977 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.5	29.3





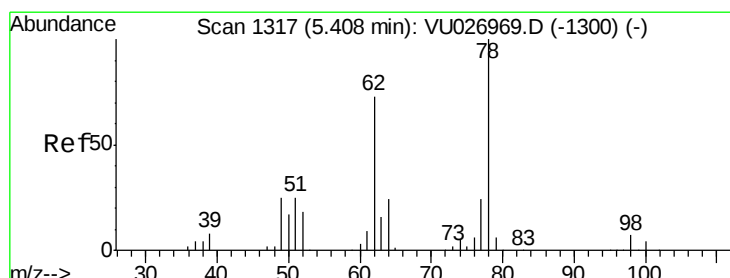
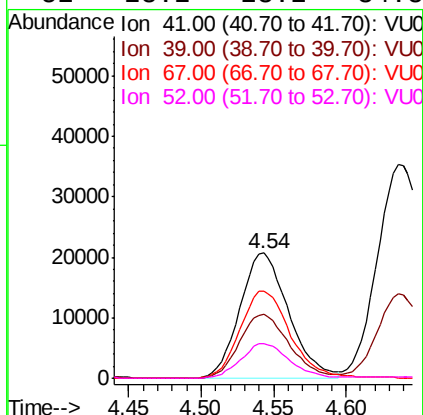
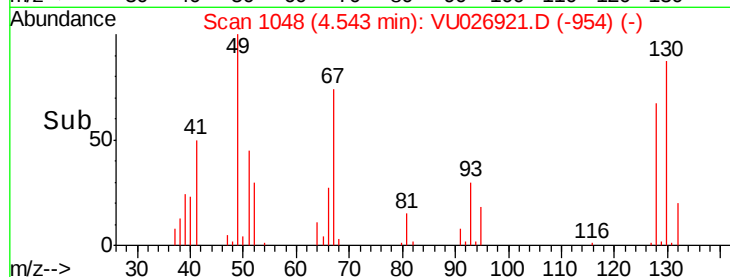
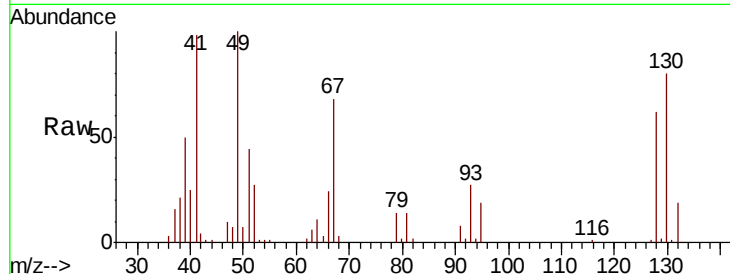
#41
Methacrylonitrile
Concen: 47.275 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.9	64.3	
67	72.3	56.6	84.8	
52	28.2	23.2	34.8	

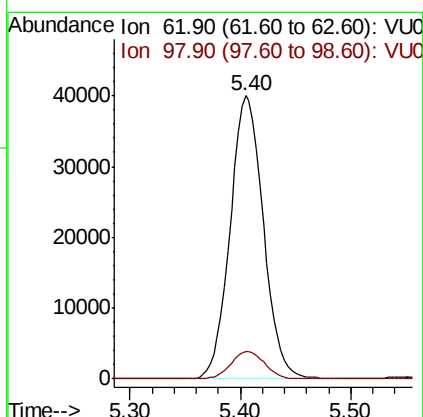
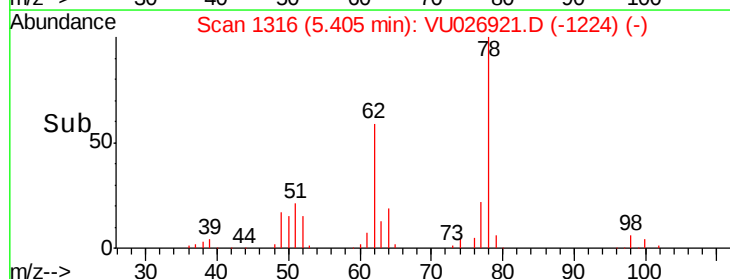
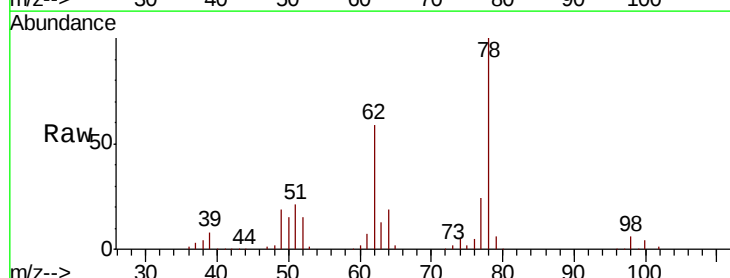
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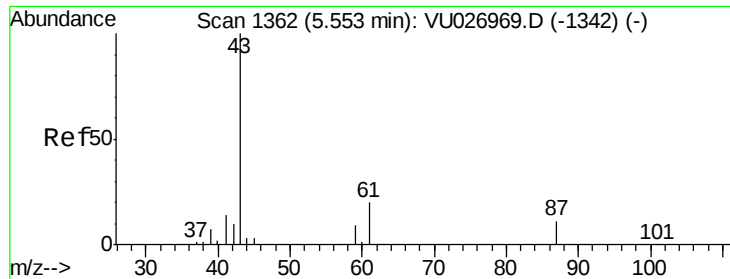
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#42
1,2-Dichloroethane
Concen: 49.907 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	17.8	





#43

Isopropyl Acetate

Concen: 44.159 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

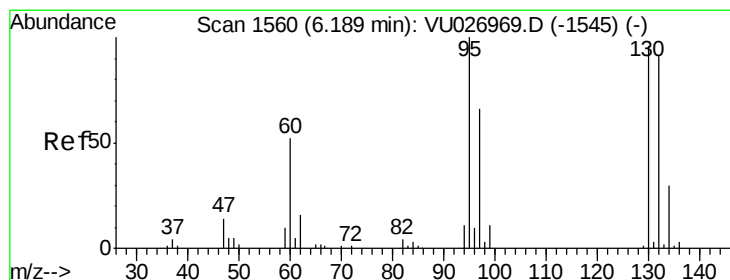
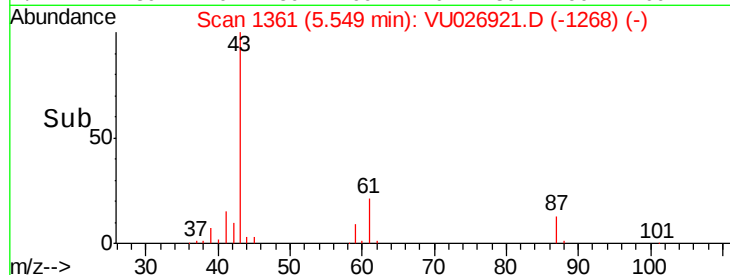
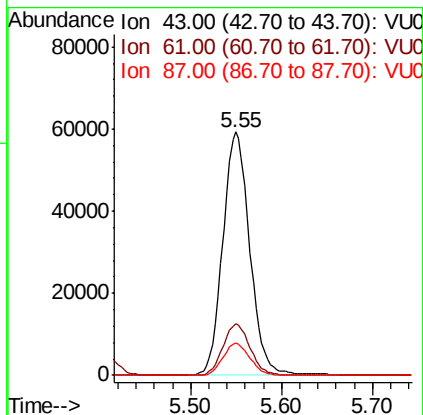
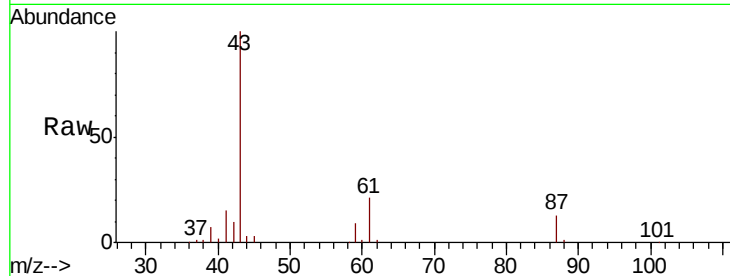
ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:	43	Resp:	122214
Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.0	24.0
87	13.2	10.1	15.1

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#44

Trichloroethene

Concen: 51.902 ug/l

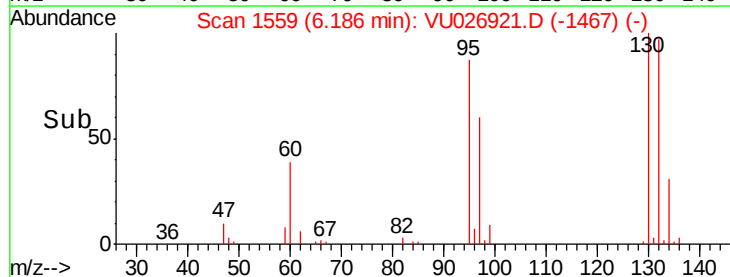
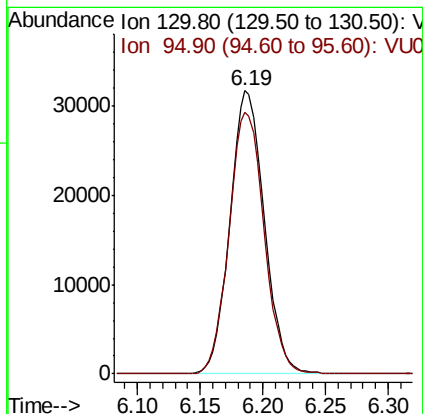
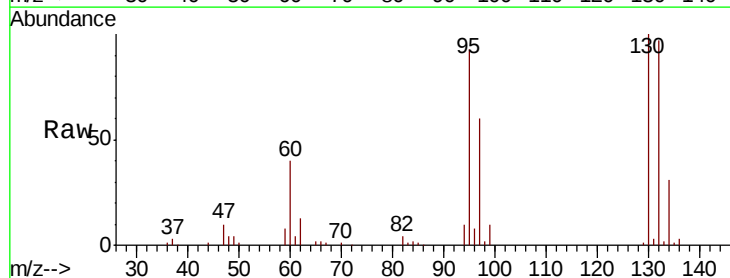
RT: 6.19 min Scan# 1559

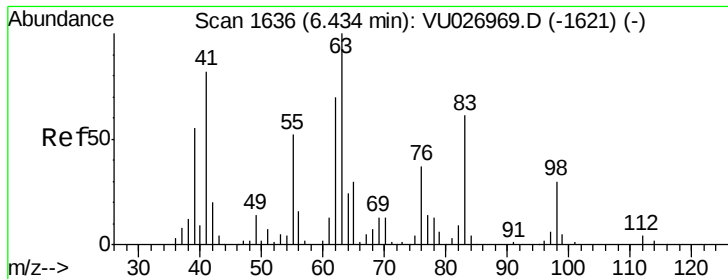
Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion:	130	Resp:	60297
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	199.4





#45

1,2-Dichloropropane

Concen: 50.402 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 63 Resp: 64315

Ion Ratio Lower Upper

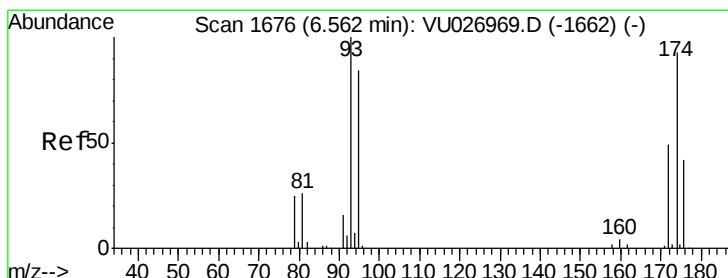
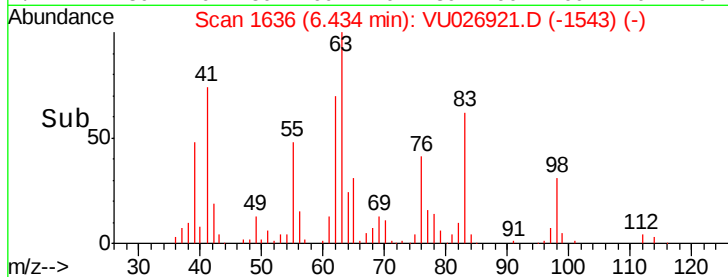
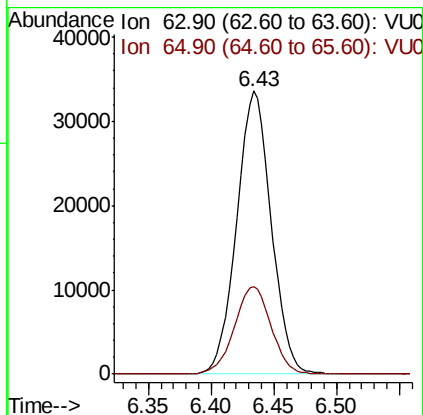
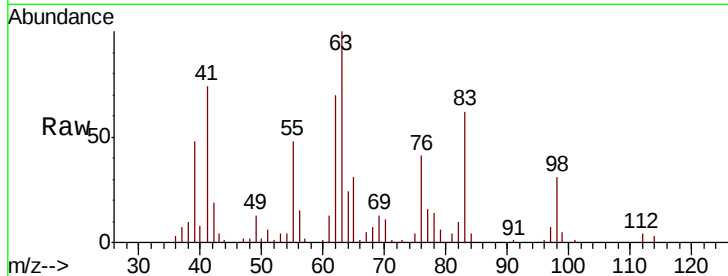
63 100

65 31.1 25.0 37.4

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#46

Dibromomethane

Concen: 49.777 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

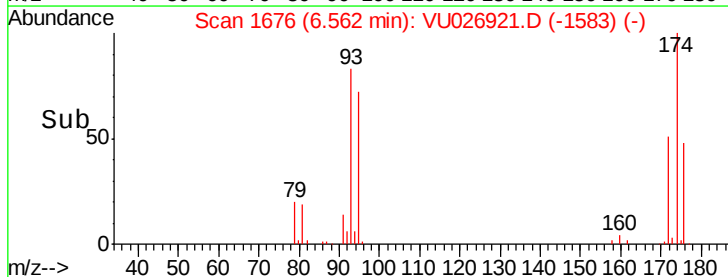
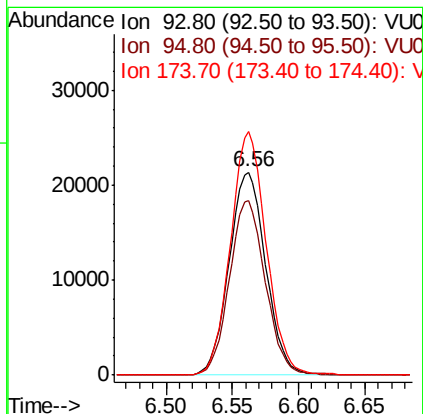
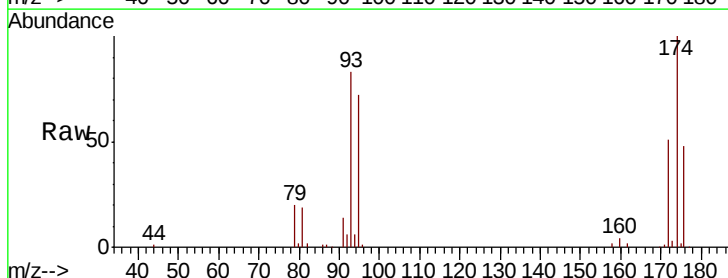
Tgt Ion: 93 Resp: 40989

Ion Ratio Lower Upper

93 100

95 84.3 65.4 98.2

174 117.1 81.6 122.4





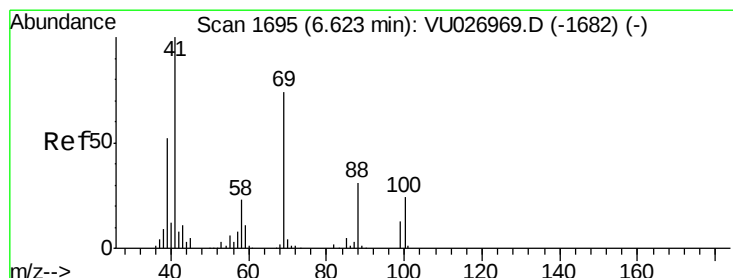
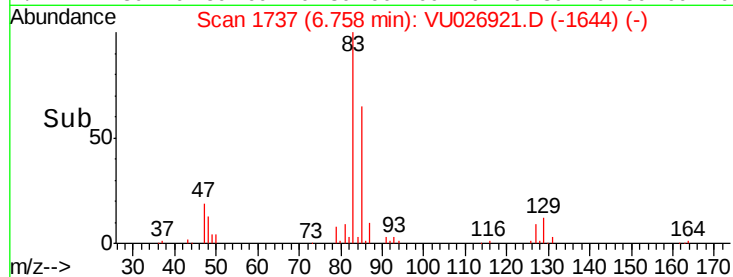
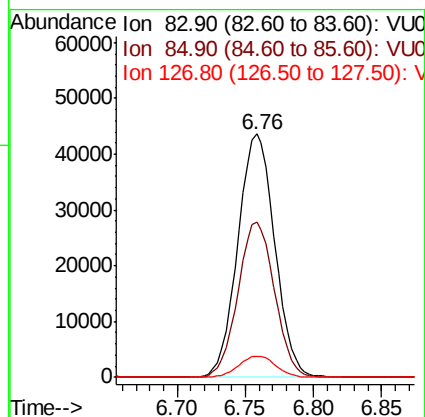
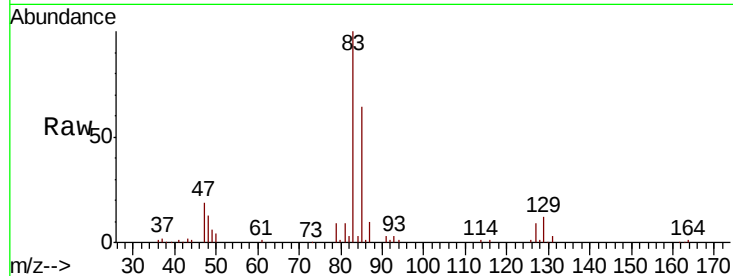
#47
 Bromodichloromethane
 Concen: 50.503 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	83	Resp	81890
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.6	6.9	10.3

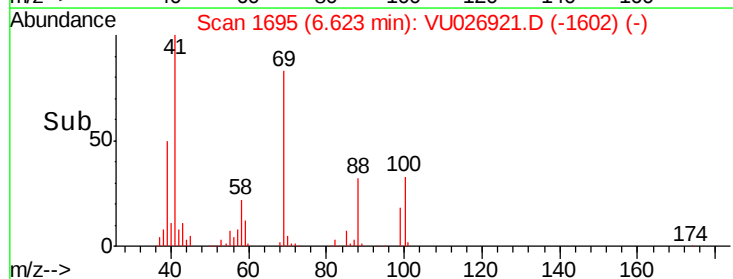
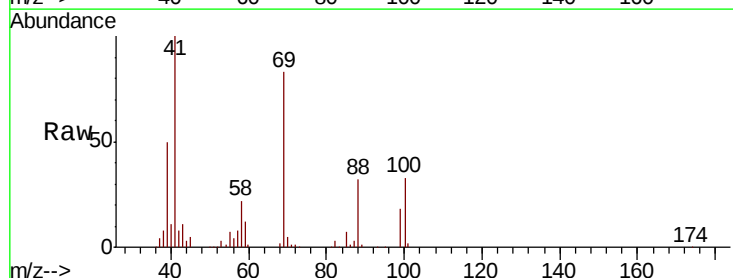
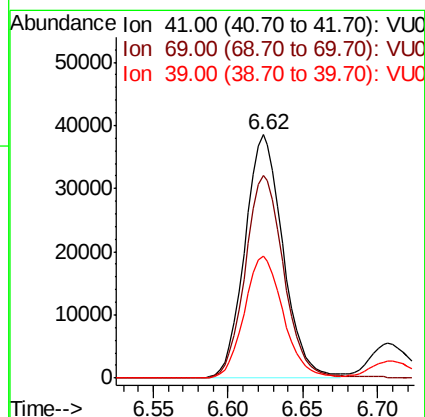
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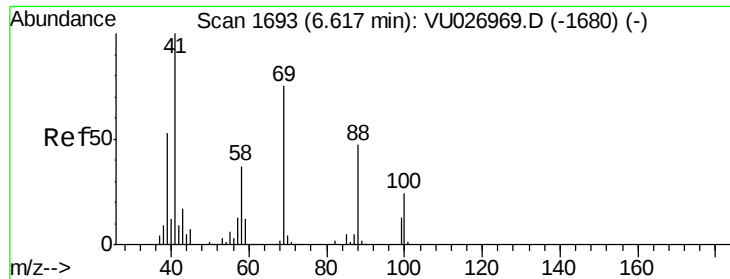
MMDadoda
 9/21/2018 4:12:28 PM



#48
 Methyl methacrylate
 Concen: 45.370 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	41	Resp	68439
Ion Ratio	100	Lower	Upper
41	100		
69	84.5	66.6	99.8
39	51.0	43.6	65.4





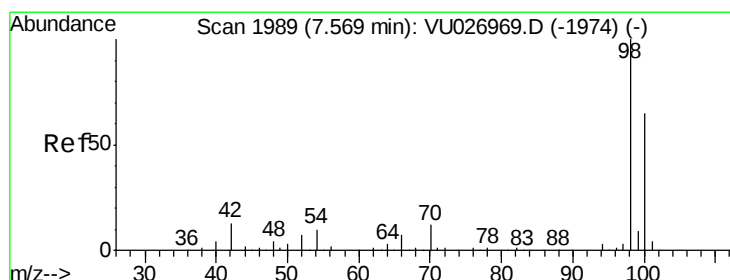
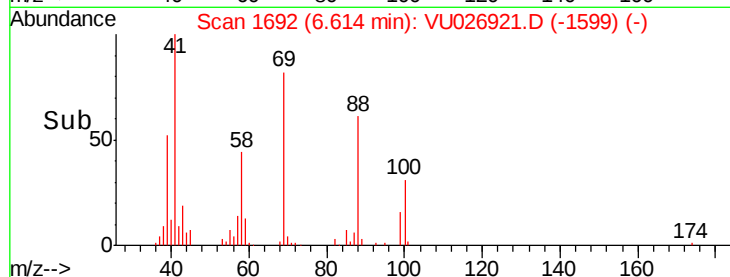
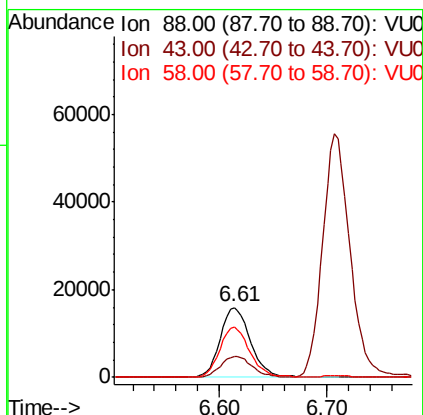
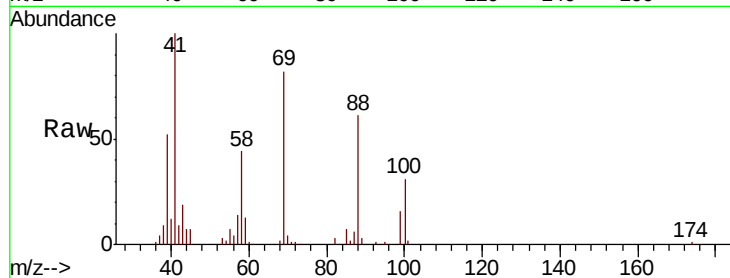
#49
1,4-Dioxane
Concen: 901.512 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.5	38.3
58	71.2	58.2	87.4

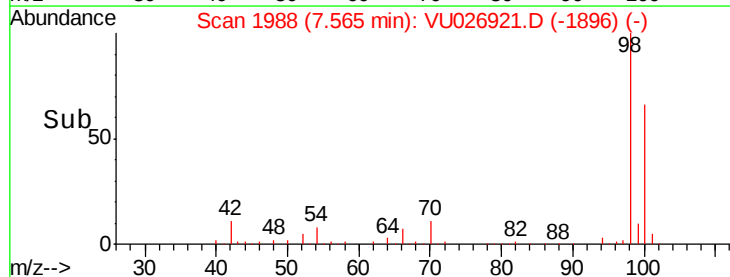
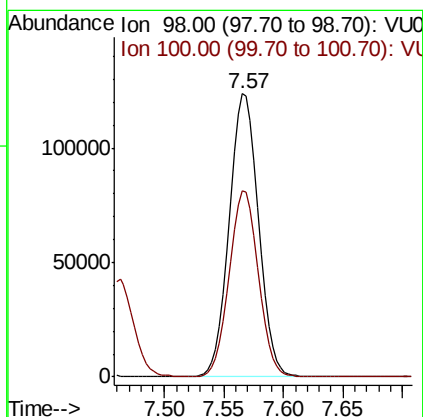
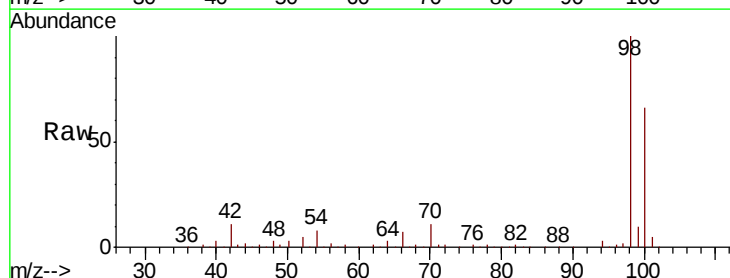
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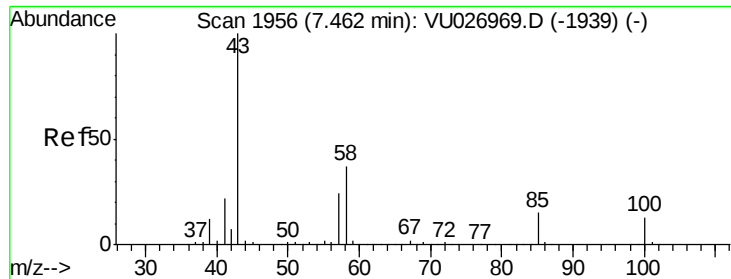
MMDadoda
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#50
Toluene-d8
Concen: 52.101 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 236.194 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 43 Resp: 437247

Ion Ratio Lower Upper

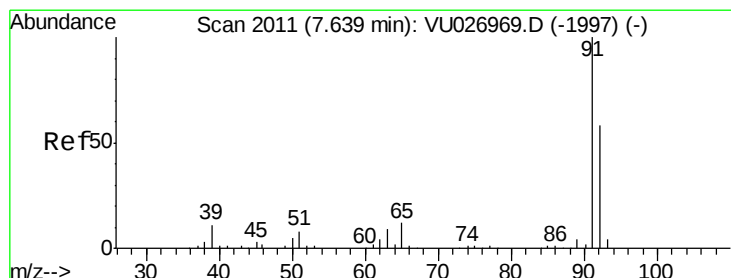
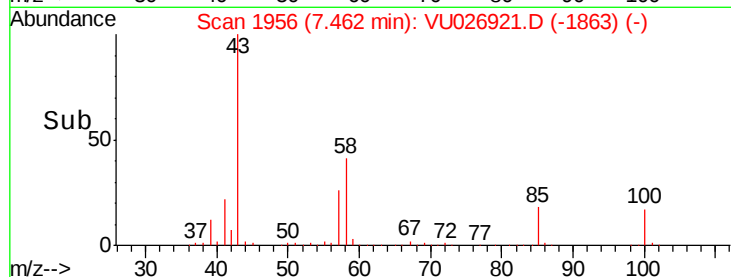
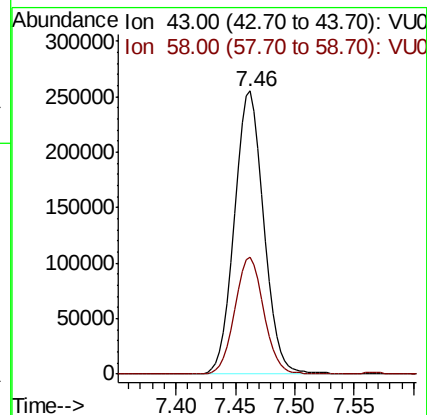
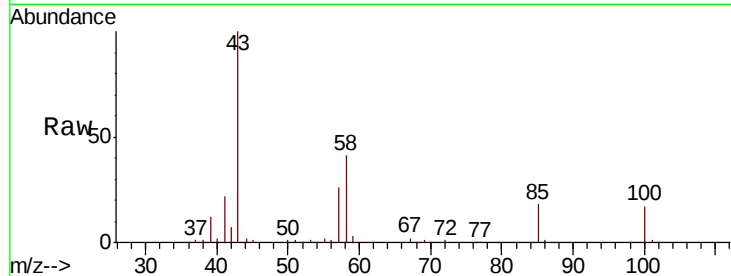
43 100

58 41.0 31.1 46.7

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#52

Toluene

Concen: 53.452 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026921.D

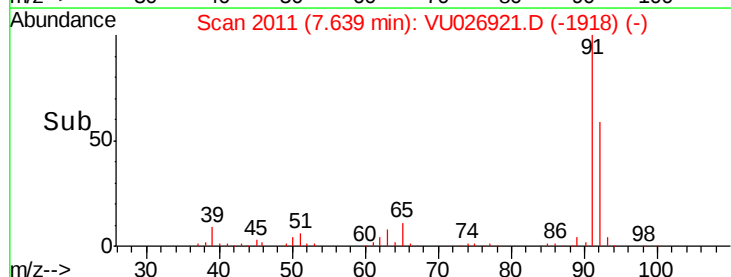
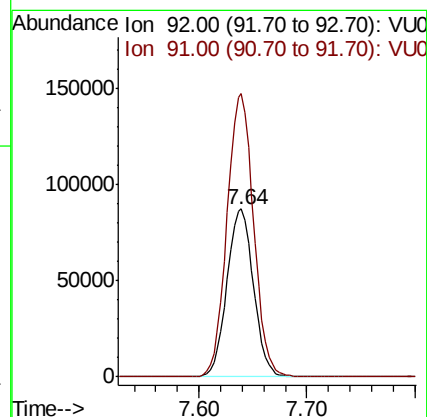
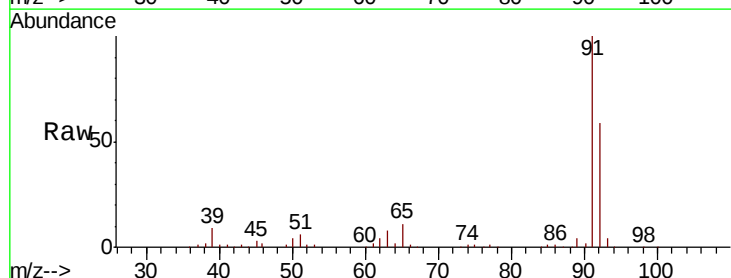
Acq: 20 Sep 2018 00:41

Tgt Ion: 92 Resp: 149457

Ion Ratio Lower Upper

92 100

91 168.9 141.1 211.7





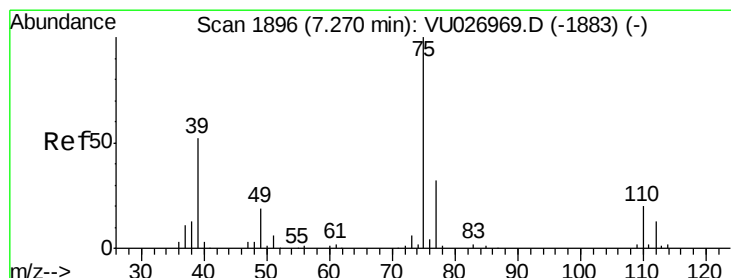
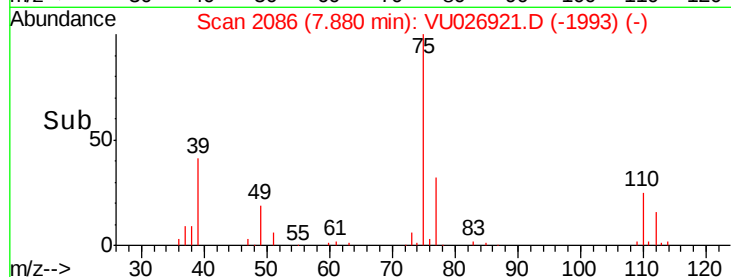
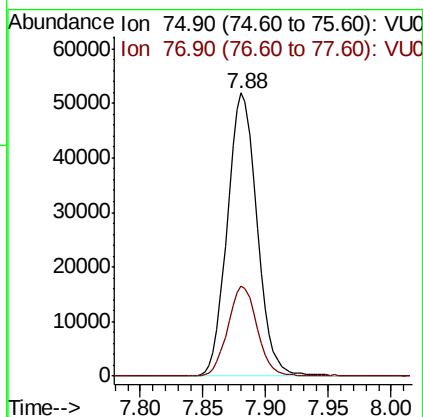
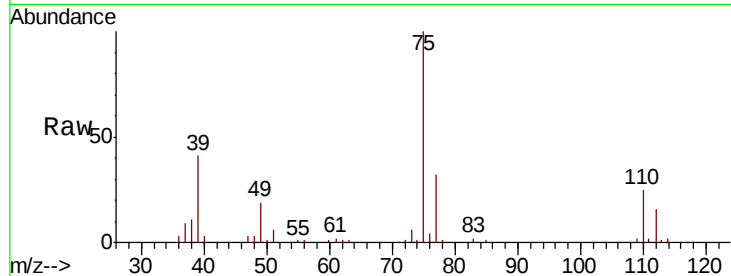
#53
t-1,3-Dichloropropene
Concen: 47.449 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion: 75 Resp: 85340
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

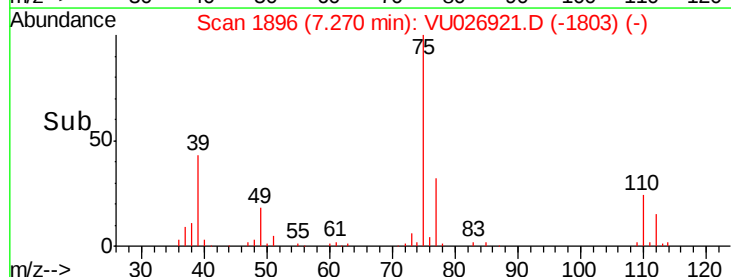
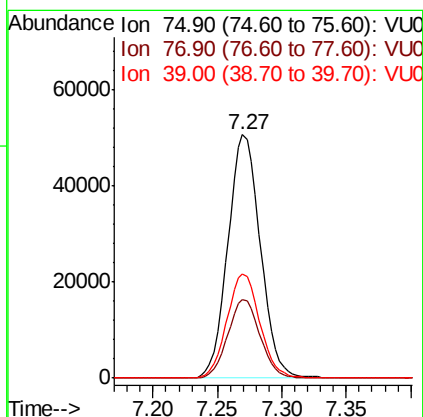
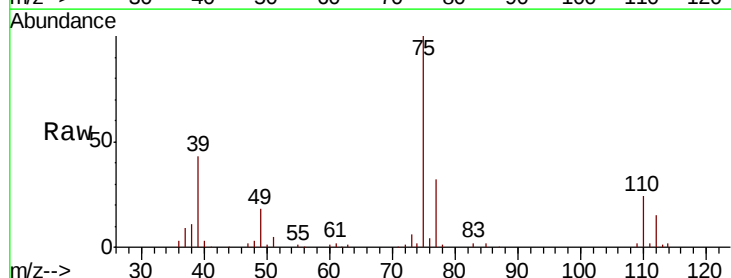
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#54
cis-1,3-Dichloropropene
Concen: 45.997 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion: 75 Resp: 88834
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
39 42.9 37.0 55.6





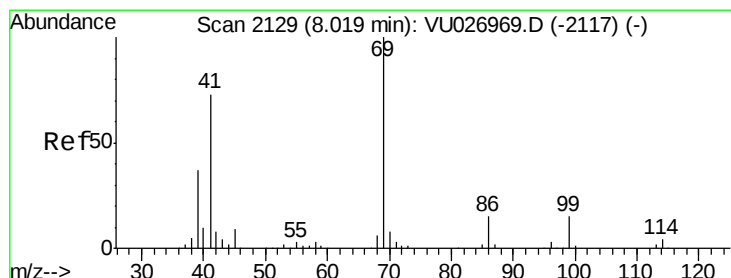
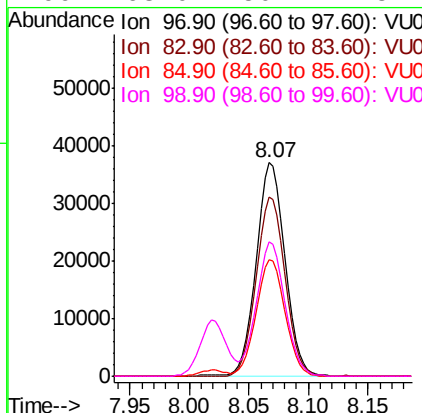
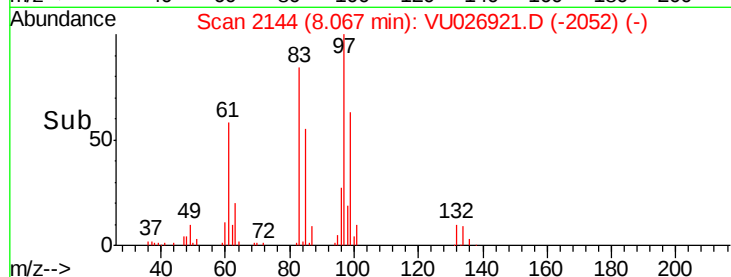
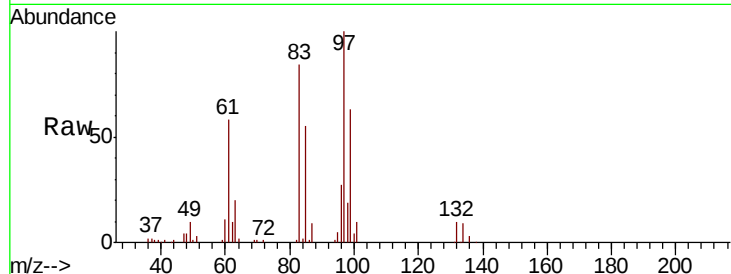
#55
 1,1,2-Trichloroethane
 Concen: 51.890 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion:	97	Resp:	62164
Ion	Ratio	Lower	Upper
97	100		
83	83.8	69.3	103.9
85	54.7	45.9	68.9
99	63.0	50.1	75.1

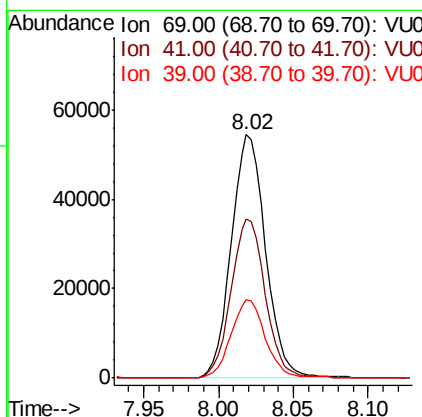
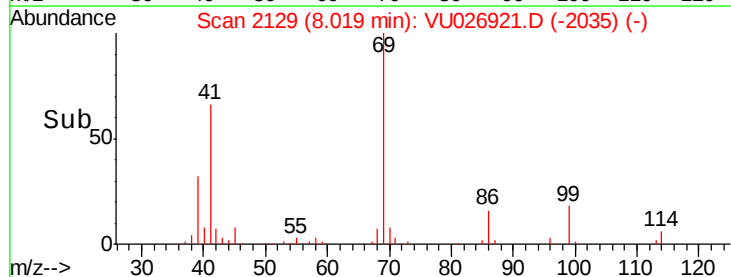
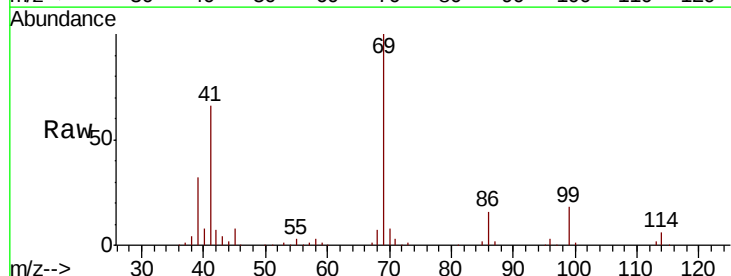
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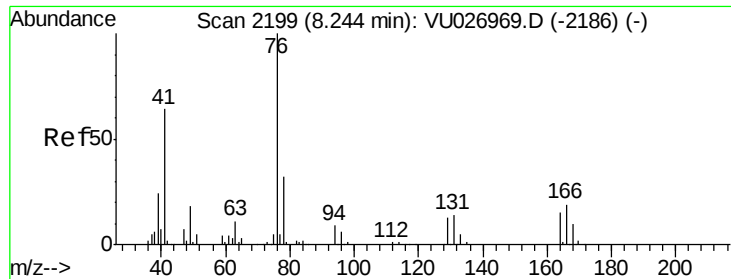
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#56
 Ethyl methacrylate
 Concen: 43.395 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion:	69	Resp:	86771
Ion	Ratio	Lower	Upper
69	100		
41	65.6	54.2	81.2
39	32.7	28.4	42.6





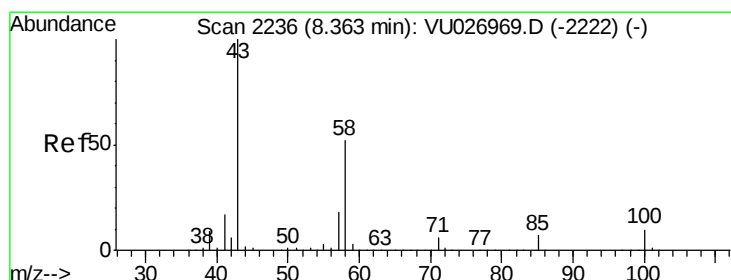
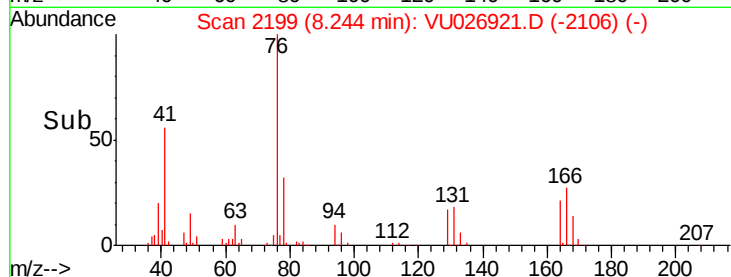
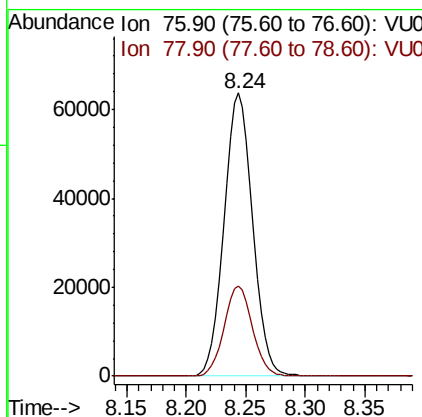
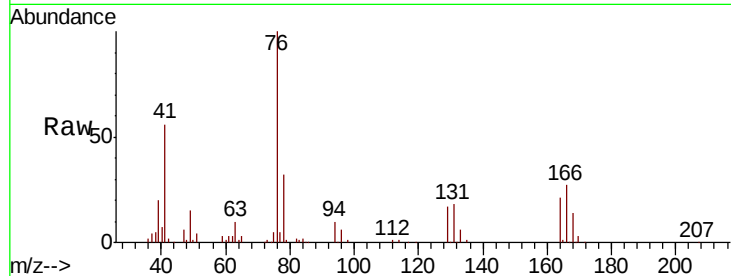
#57
 1,3-Dichloropropane
 Concen: 51.827 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.0	39.0

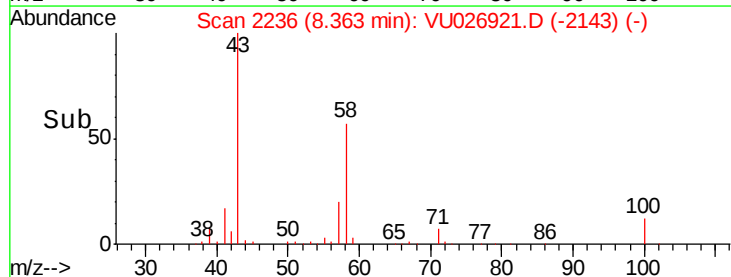
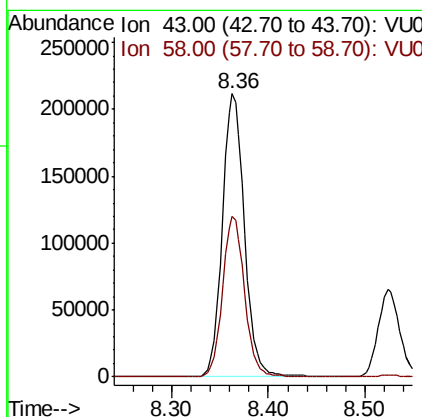
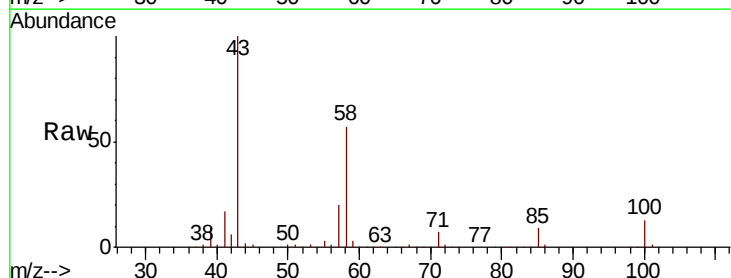
Manual Integrations
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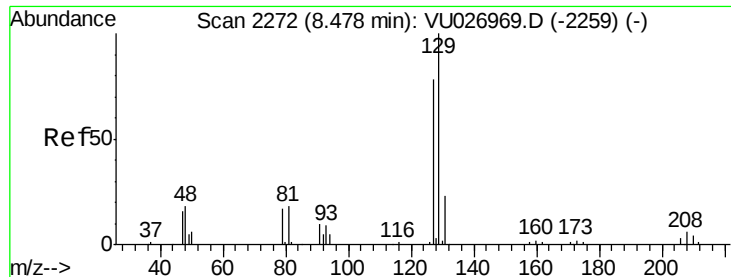
MMDadoda
 9/21/2018 4:12:28 PM



#59
 2-Hexanone
 Concen: 229.717 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.4	26.9	80.7





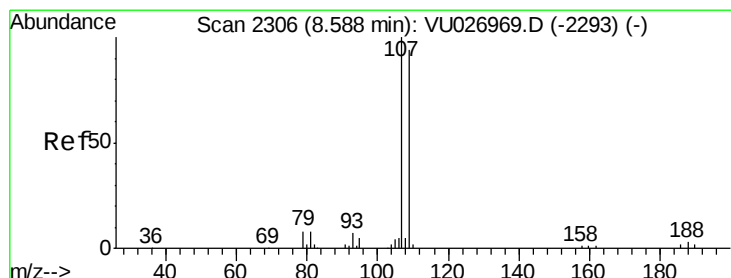
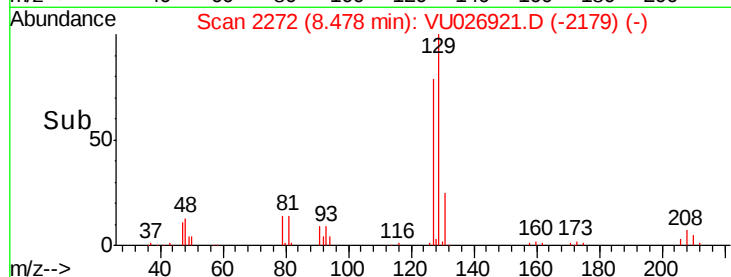
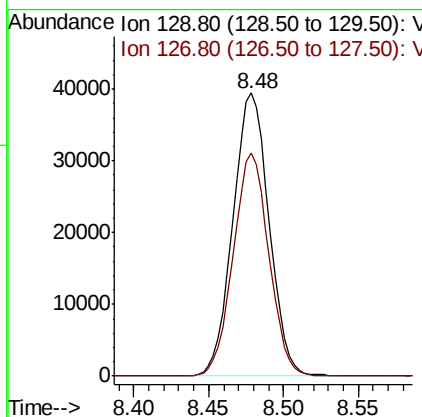
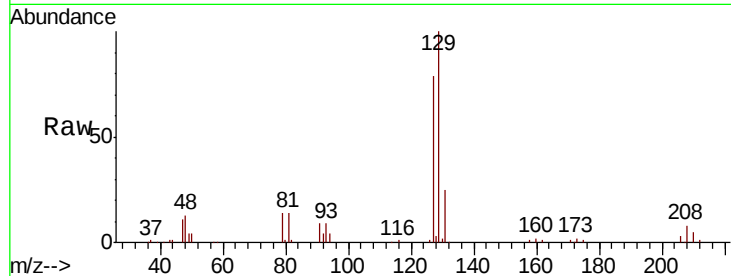
#60
 Dibromochloromethane
 Concen: 51.099 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9

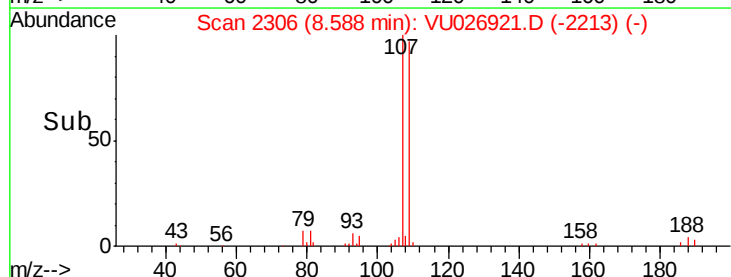
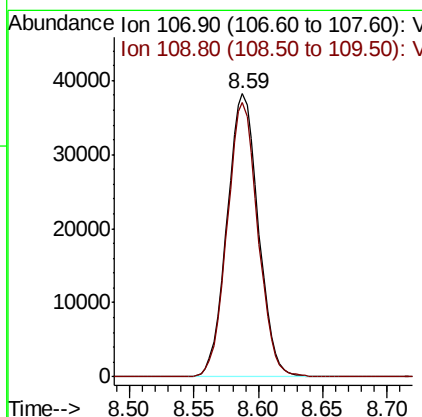
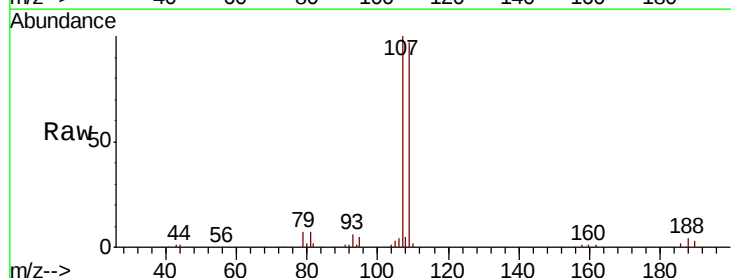
Manual Integrations
 APPROVED

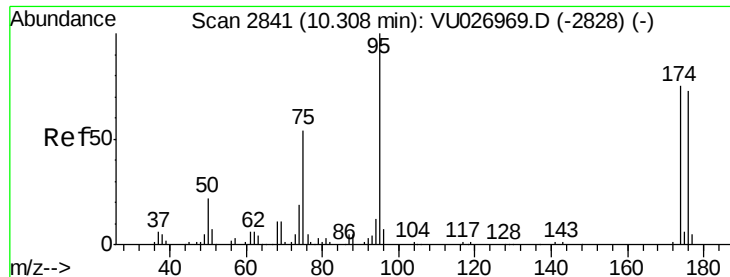
MMDadoda
 9/21/2018 4:12:28 PM



#61
 1,2-Dibromoethane
 Concen: 49.477 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.7	113.5





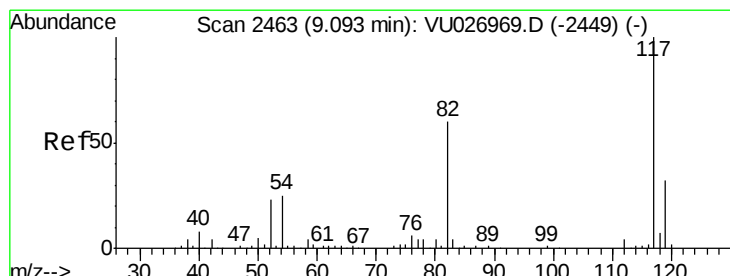
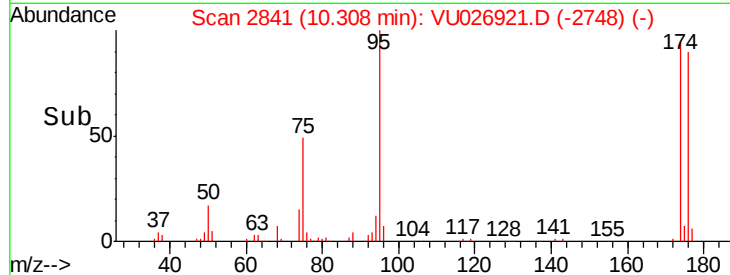
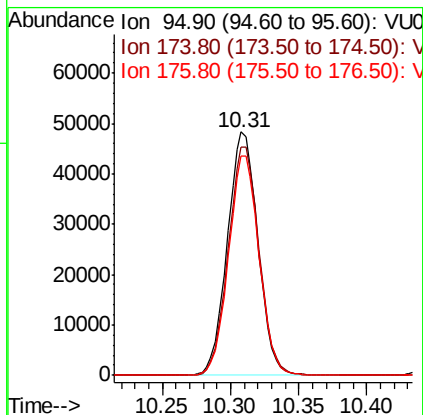
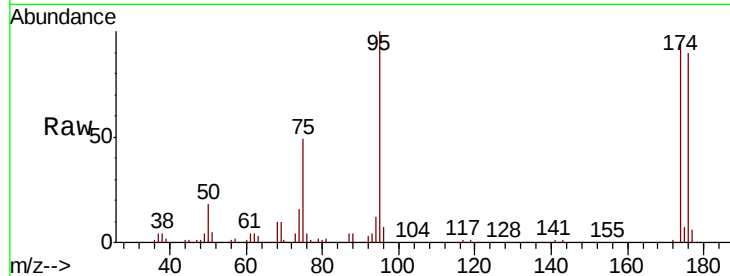
#62
4-Bromofluorobenzene
Concen: 50.982 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	172.8
176	90.2	0.0	168.6

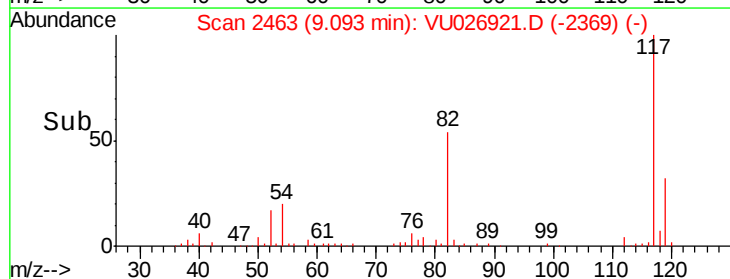
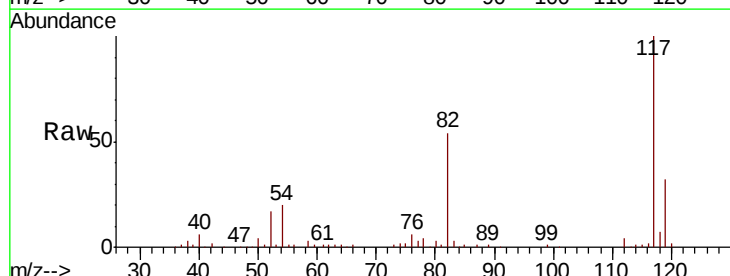
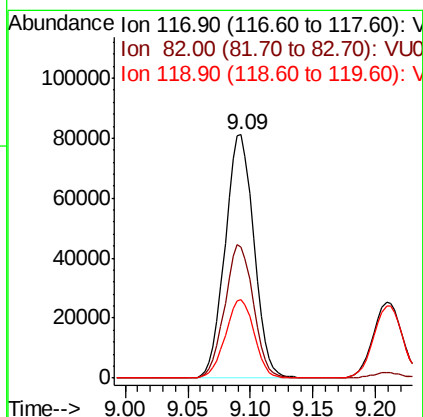
Manual Integrations
APPROVED

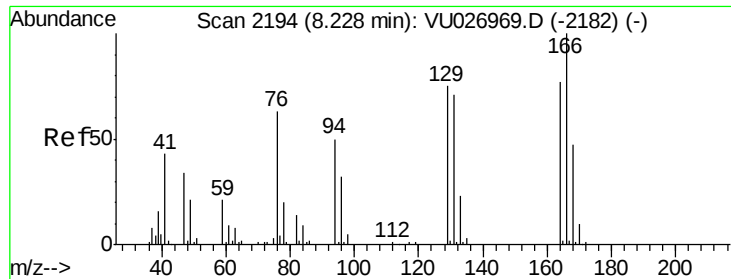
MMDadoda
9/21/2018 4:12:28 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.1	66.1
119	32.4	25.7	38.5





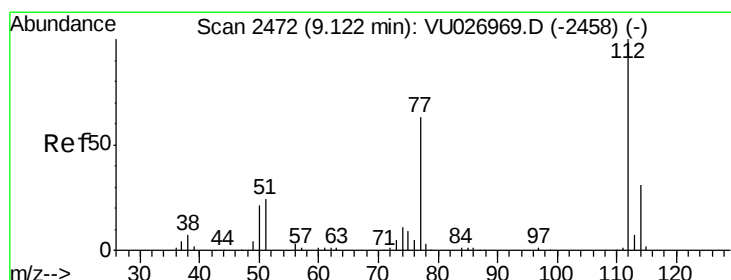
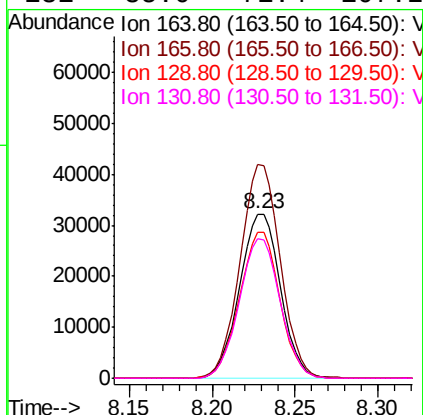
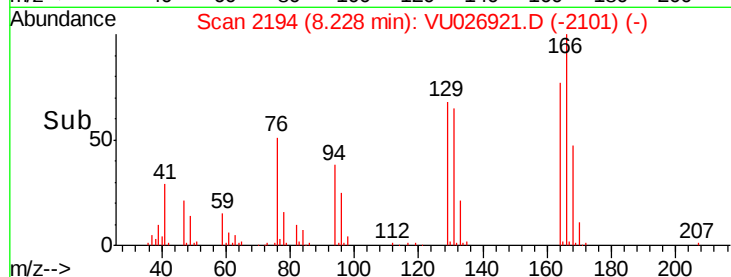
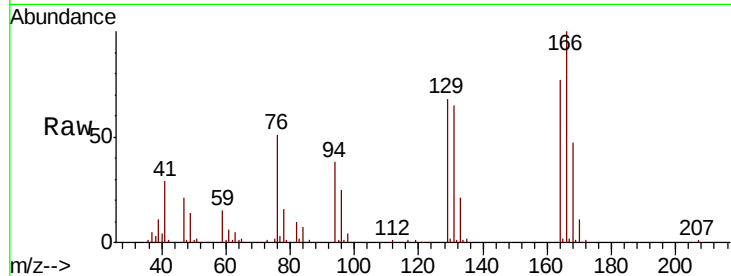
#64
Tetrachloroethene
Concen: 53.439 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.5	150.7
129	88.9	75.3	112.9
131	85.0	71.4	107.2

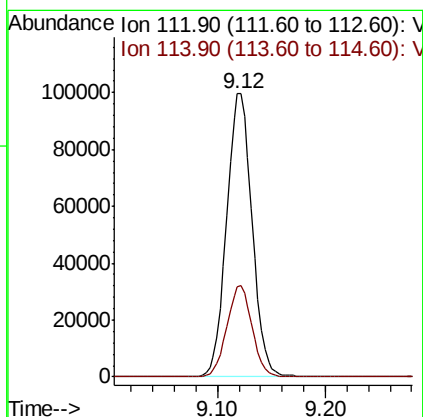
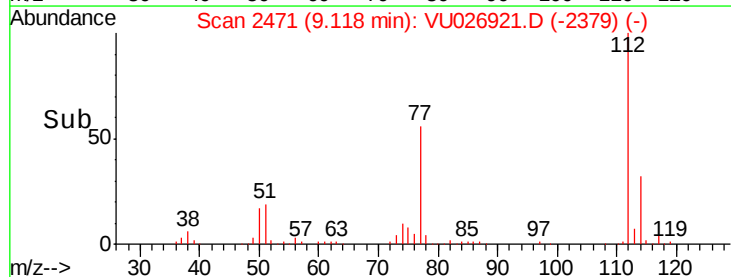
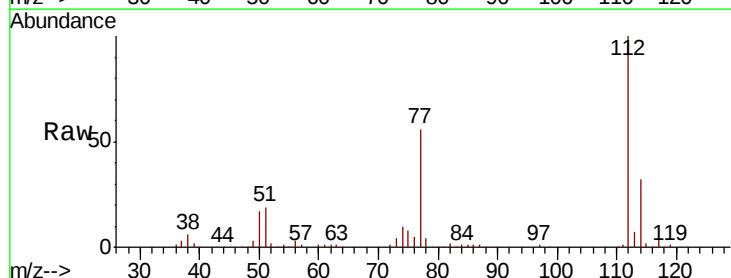
Manual Integrations
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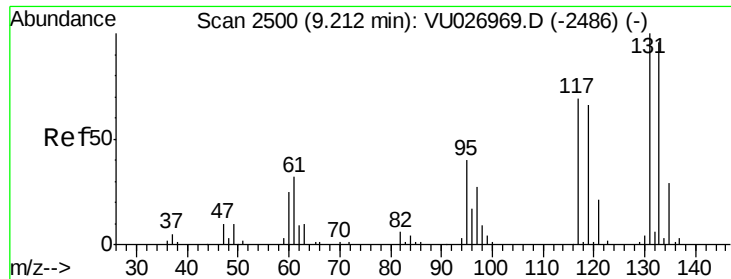
MMDadoda
9/21/2018 4:12:28 PM



#65
Chlorobenzene
Concen: 50.940 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.5	38.3





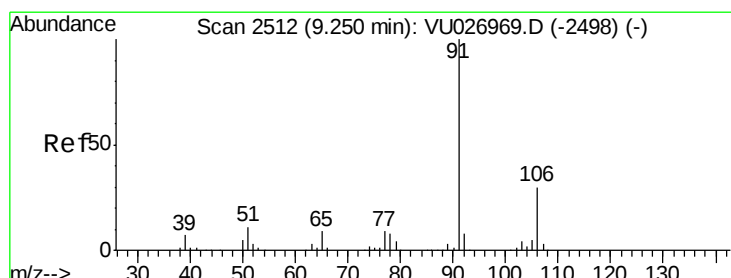
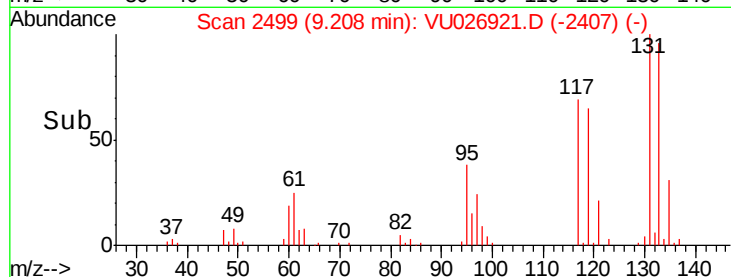
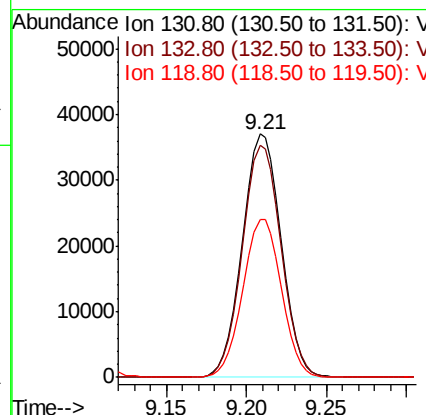
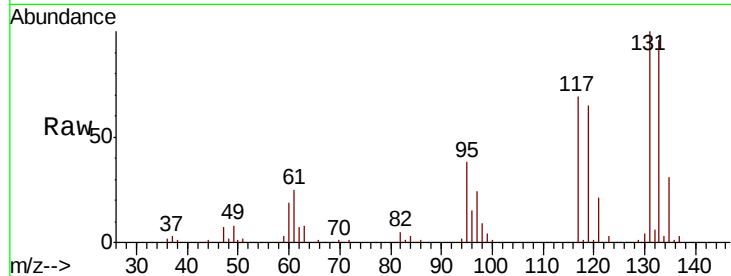
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.436 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.9	146.6
119	64.6	32.7	98.1

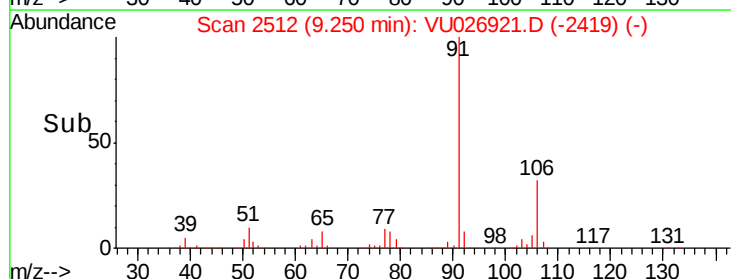
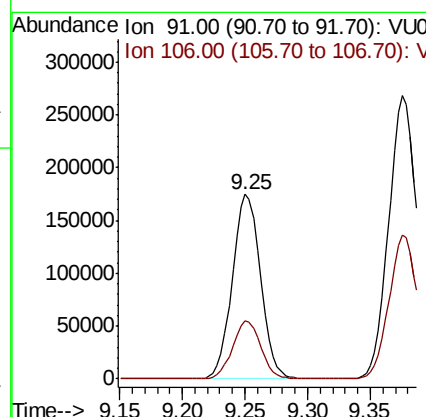
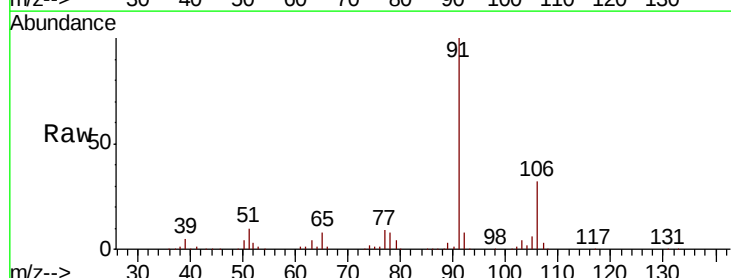
Manual Integrations
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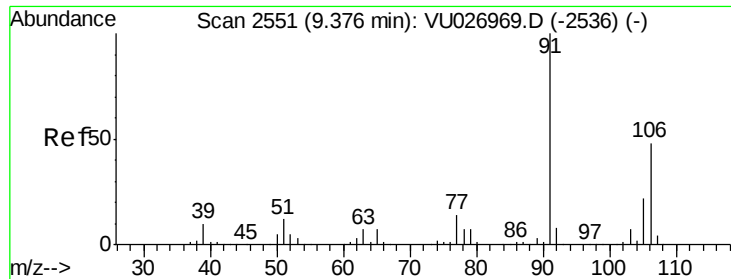
MMDadoda
 9/21/2018 4:12:28 PM



#67
 Ethyl Benzene
 Concen: 51.405 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.4





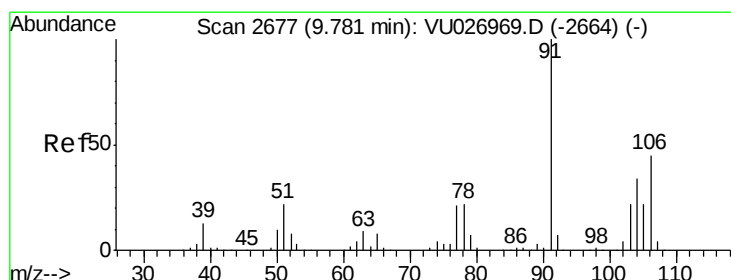
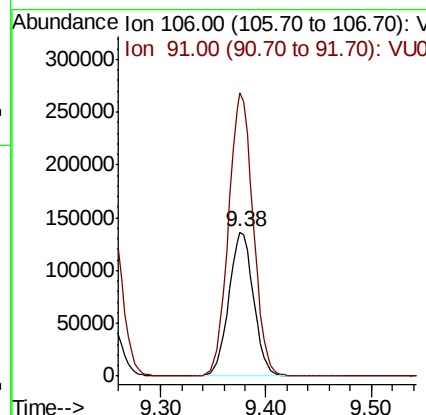
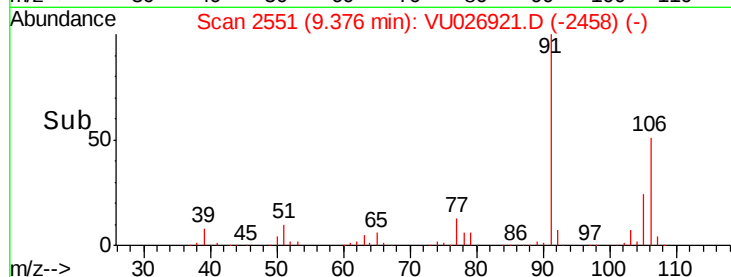
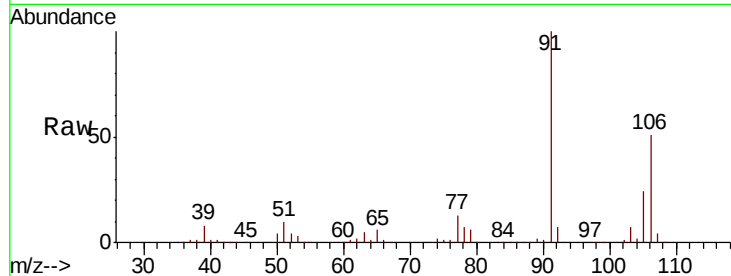
#68
m/p-Xylenes
Concen: 108.702 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion:106 Resp: 219795
Ion Ratio Lower Upper
106 100
91 196.3 162.1 243.1

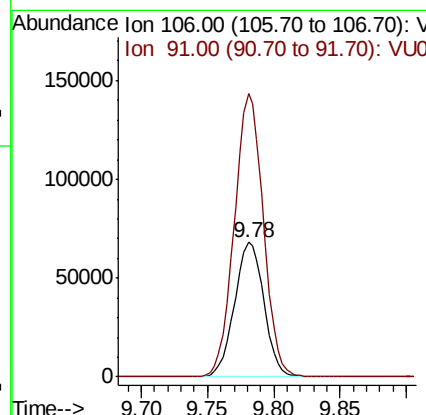
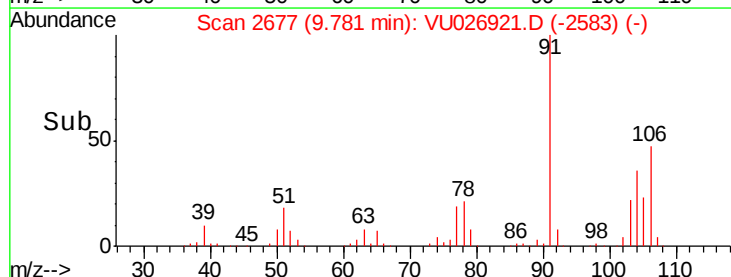
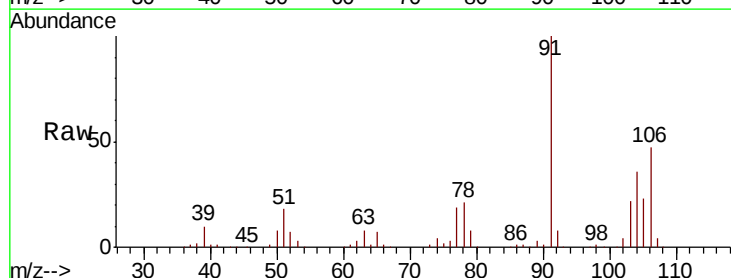
Manual Integrations
APPROVED

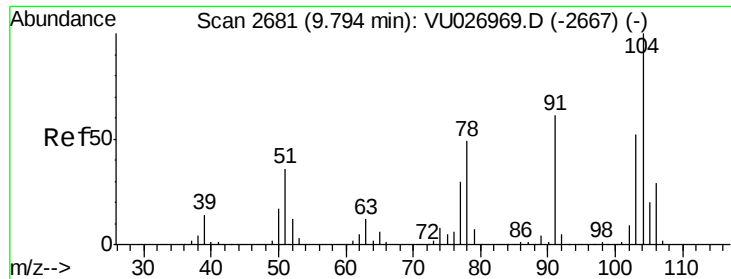
MMDadoda
9/21/2018 4:12:28 PM



#69
o-Xylene
Concen: 48.610 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion:106 Resp: 104937
Ion Ratio Lower Upper
106 100
91 207.8 106.9 320.8





#70

Stvrene

Concen: 48.832 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

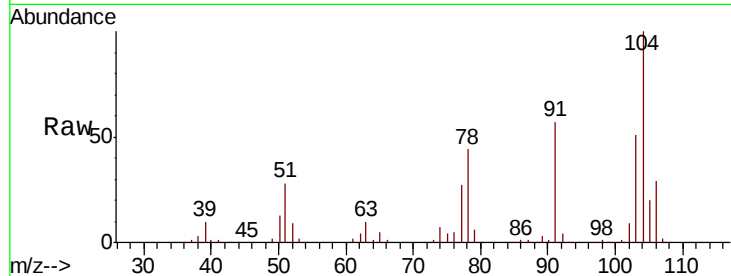
ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:	104	Resp:	177547
Ion Ratio	Lower	Upper	
104	100		
78	47.8	39.4	59.2
103	54.4	44.5	66.7

Manual Integrations
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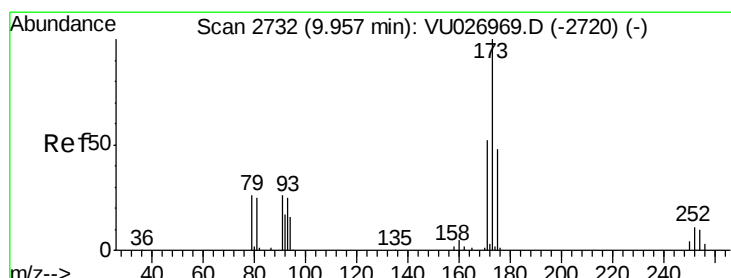
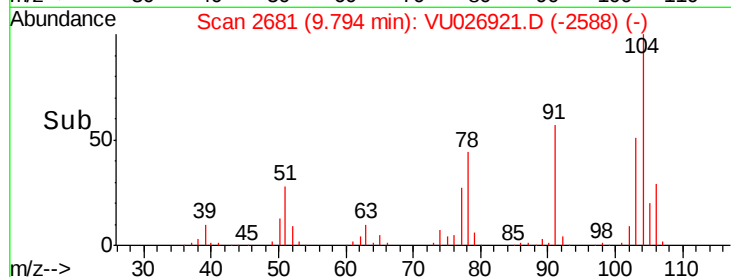
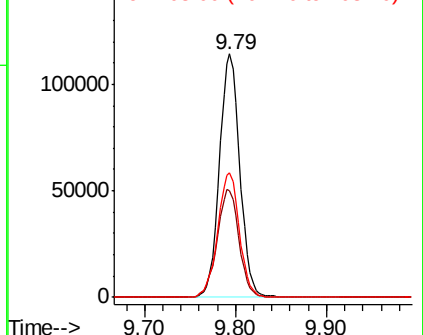


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.028 ug/l

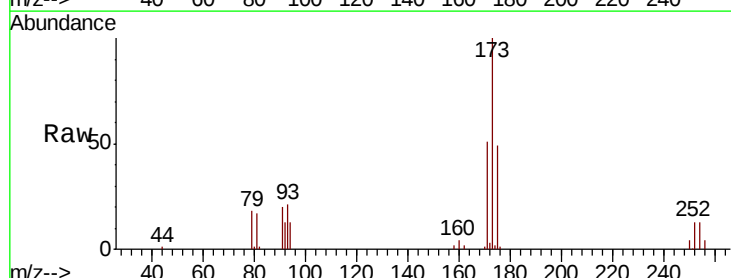
RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion:	173	Resp:	52690
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.7	74.1
254	0.0	0.0	0.0

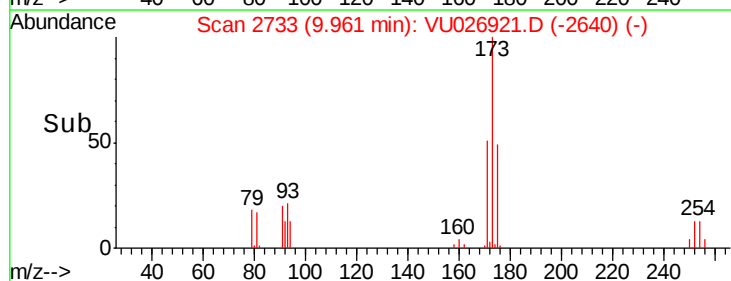
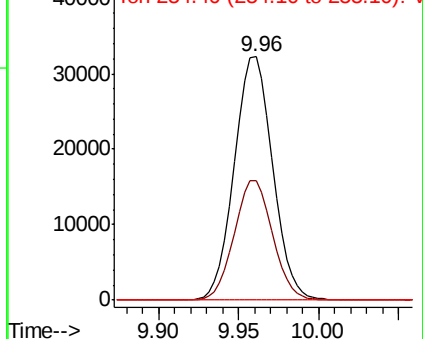


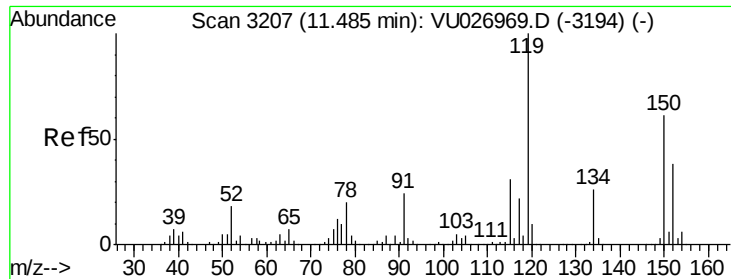
Abundance

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: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:152 Resp: 83587

Ion Ratio Lower Upper

152 100

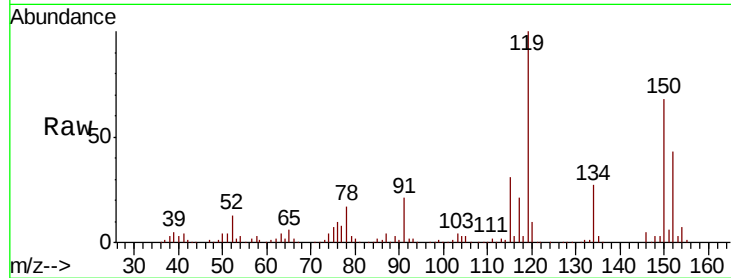
115 76.2 40.4 121.1

150 173.3 0.0 345.2

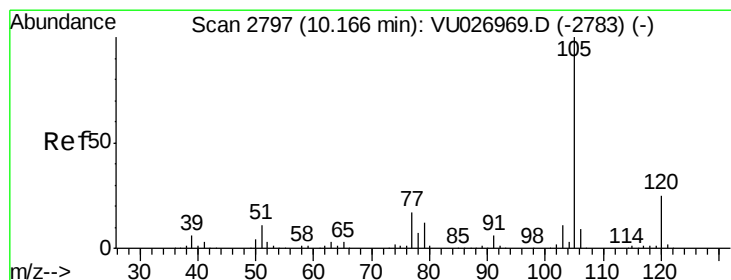
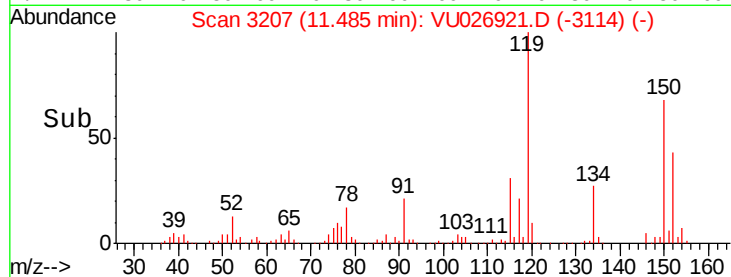
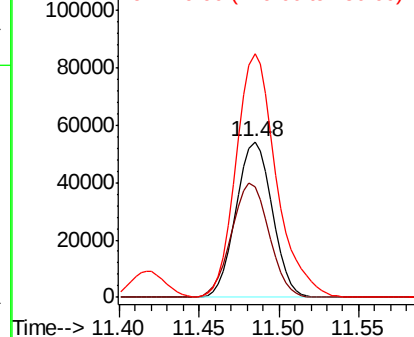
Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.114 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026921.D

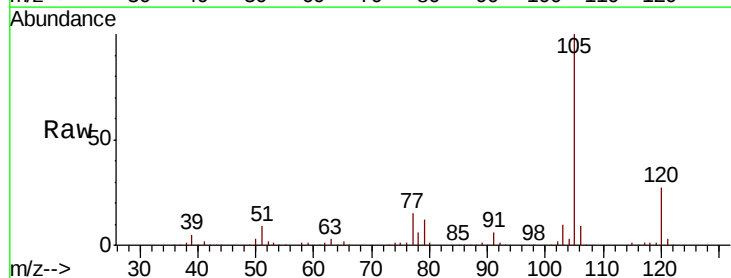
Acq: 20 Sep 2018 00:41

Tgt Ion:105 Resp: 279749

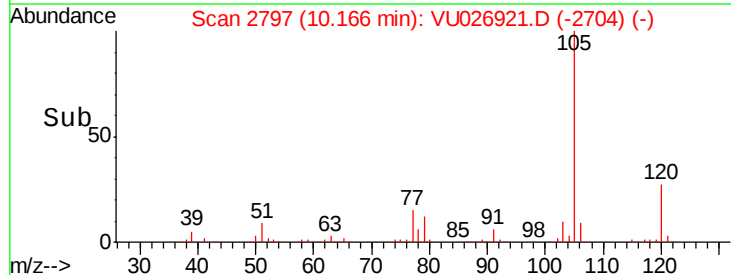
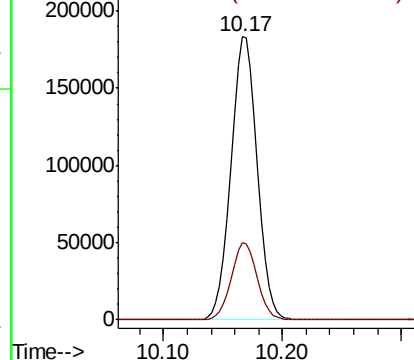
Ion Ratio Lower Upper

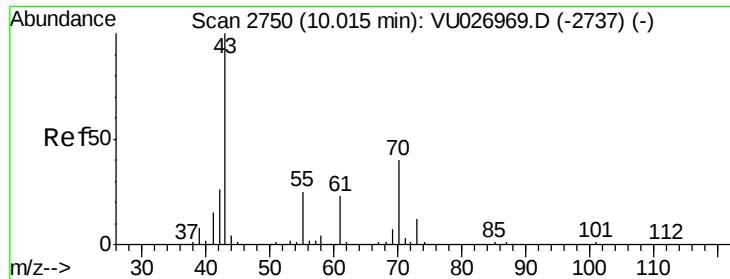
105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.684 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

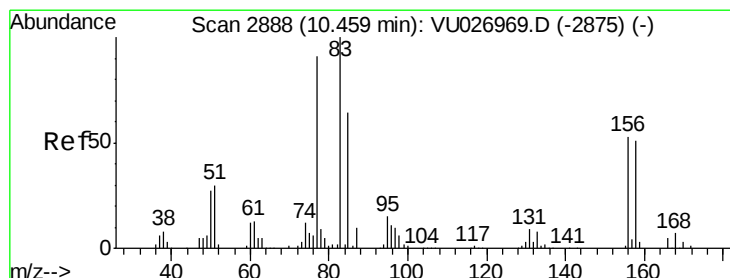
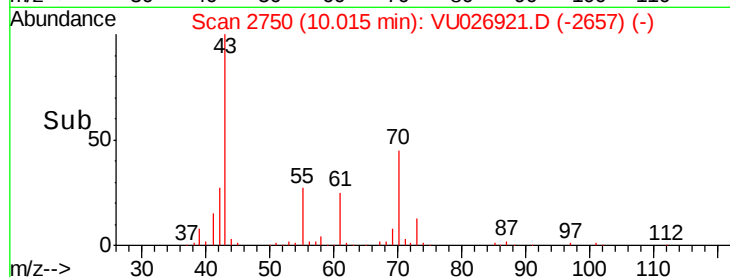
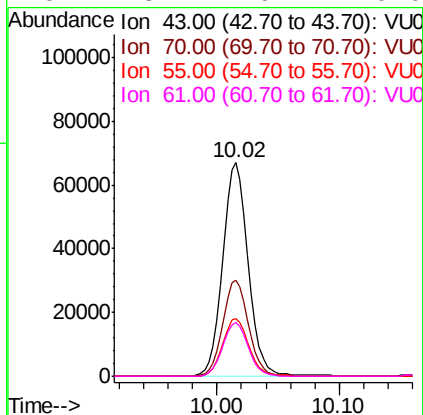
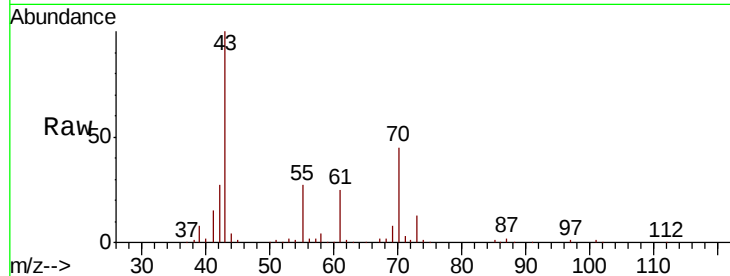
ClientSampleId :

SA-MW131D-20180912MS

Tot Ion:	43	Resp:	98649
Ion	Ratio	Lower	Upper
43	100		
70	45.5	32.6	48.8
55	27.8	19.1	28.7
61	25.1	19.4	29.0

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 43.552 ug/l

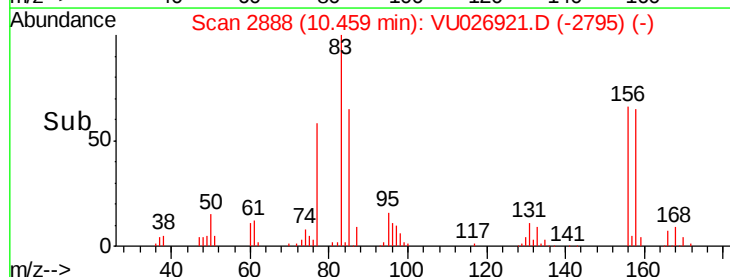
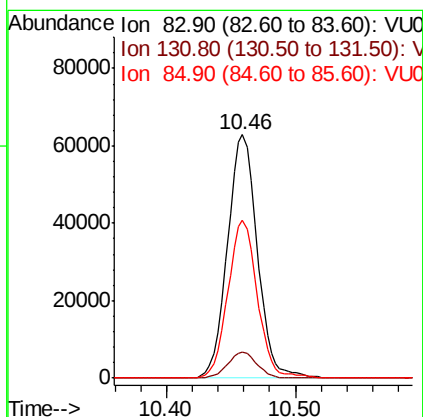
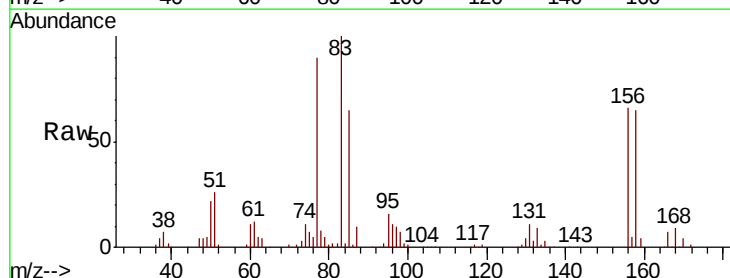
RT: 10.46 min Scan# 2888

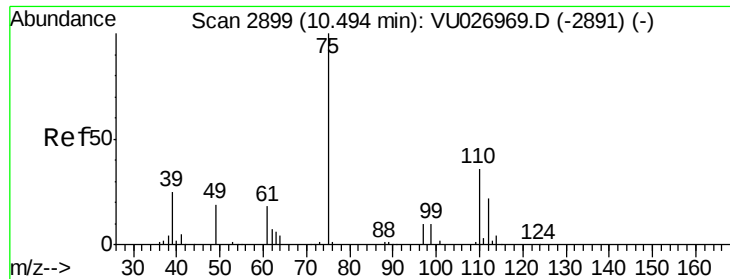
Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Tgt Ion:	83	Resp:	101101
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.6
85	64.0	32.3	96.9





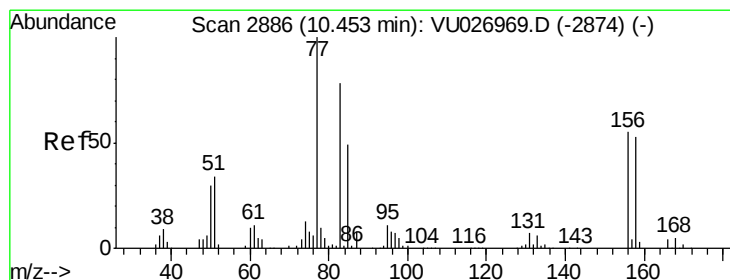
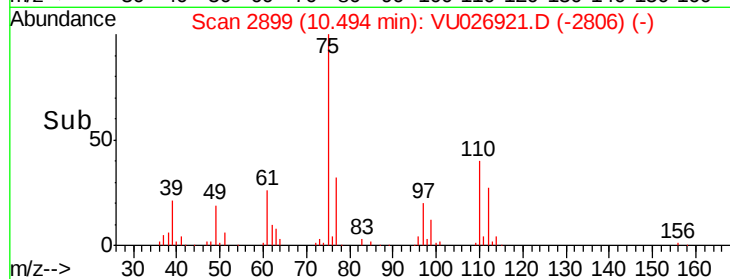
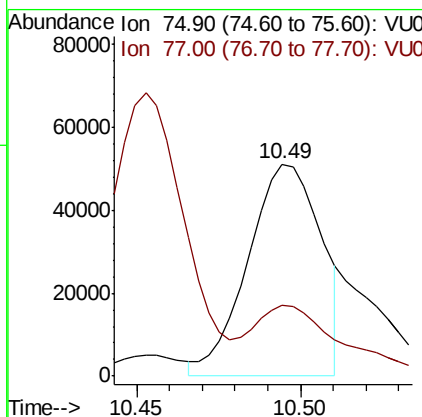
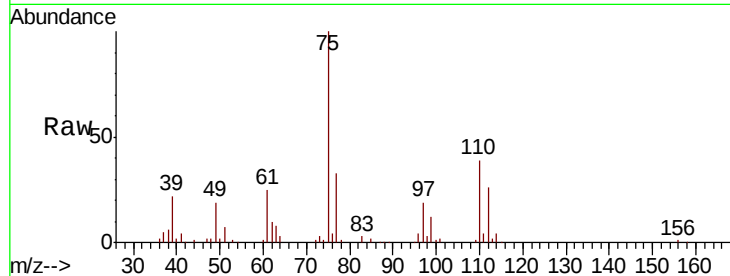
#76
 1,2,3-Trichloropropane
 Concen: 42.934 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion: 75 Resp: 80389
 Ion Ratio Lower Upper
 75 100
 77 41.5 21.1 63.1

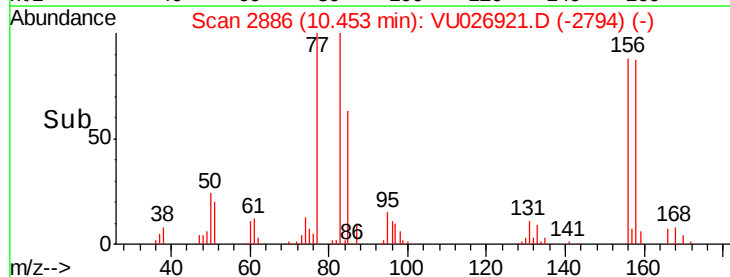
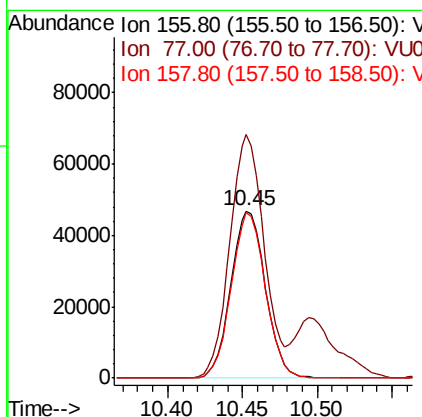
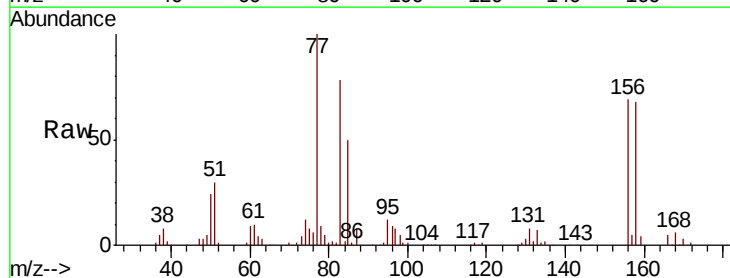
Manual Integrations
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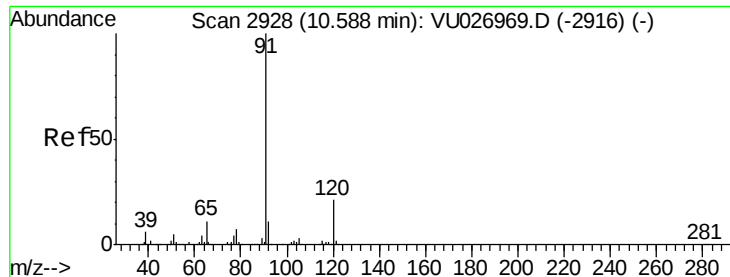
MMDadoda
 9/21/2018 4:12:28 PM



#77
 Bromobenzene
 Concen: 48.594 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion: 156 Resp: 75226
 Ion Ratio Lower Upper
 156 100
 77 144.9 77.6 232.9
 158 97.8 48.9 146.6





#78

n-propylbenzene

Concen: 48.496 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 91 Resp: 321281

Ion Ratio Lower Upper

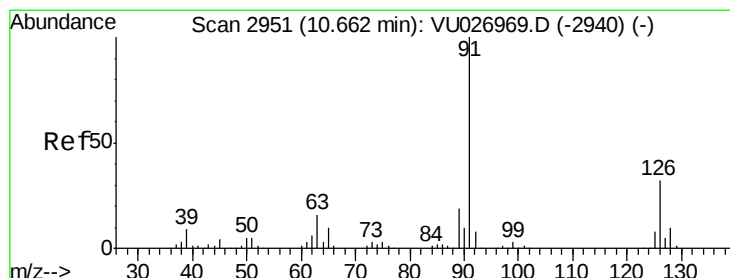
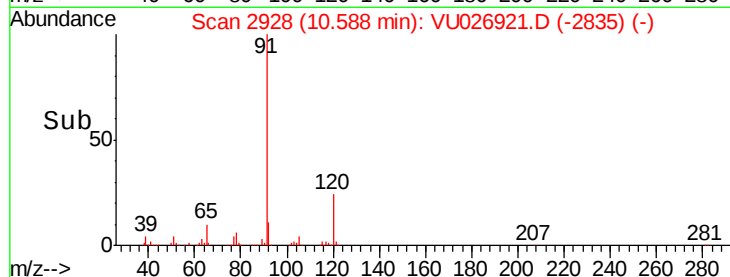
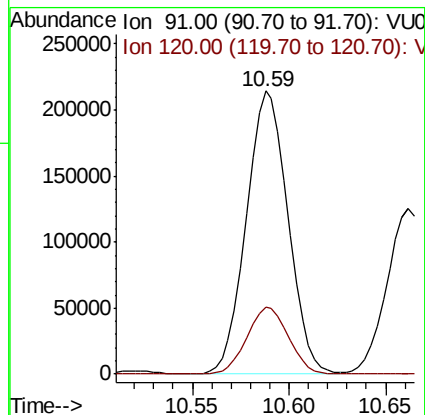
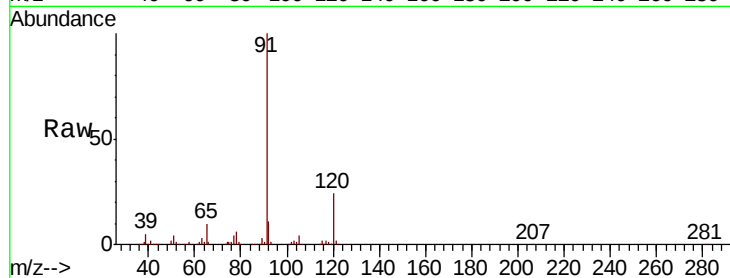
91 100

120 23.6 11.4 34.1

Manual Integrations
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9/21/2018 4:12:28 PM



#79

2-Chlorotoluene

Concen: 46.989 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026921.D

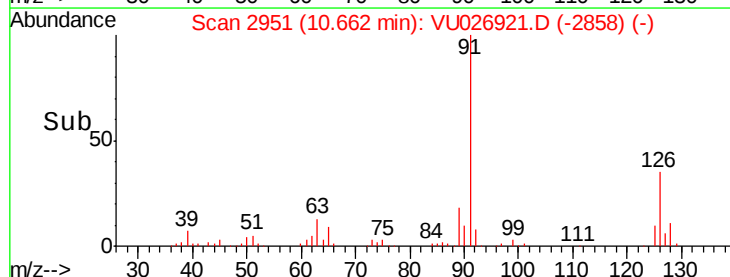
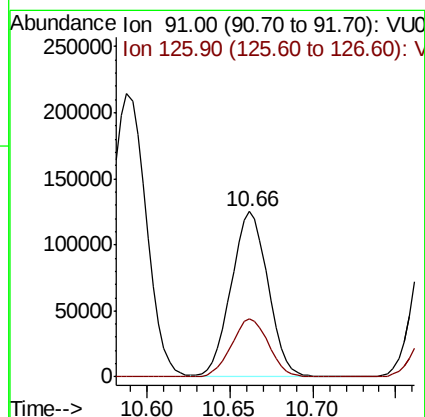
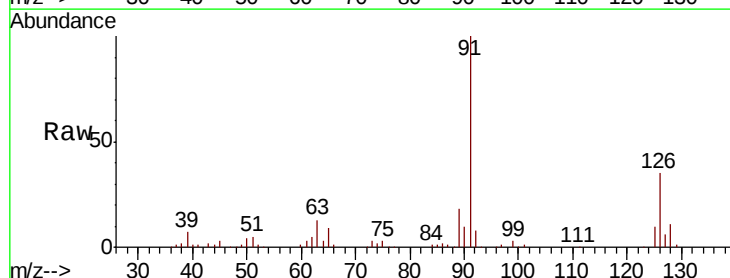
Acq: 20 Sep 2018 00:41

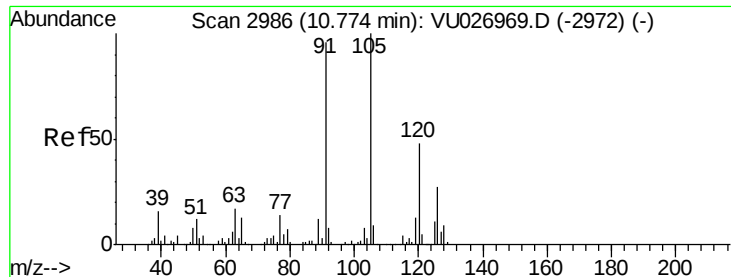
Tgt Ion: 91 Resp: 192970

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.7





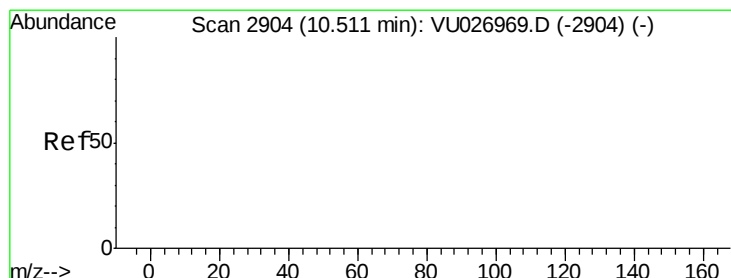
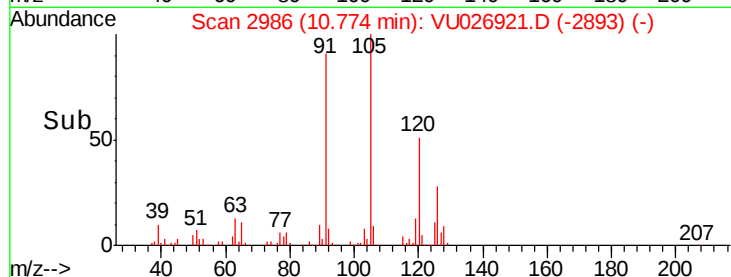
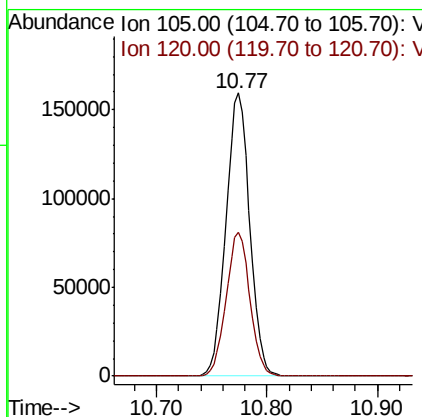
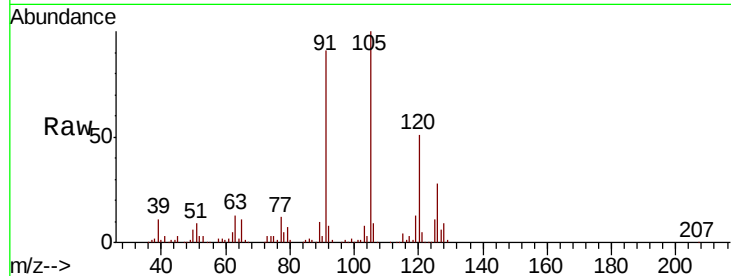
#80
 1,3,5-Trimethylbenzene
 Concen: 49.778 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.7	24.6	74.0

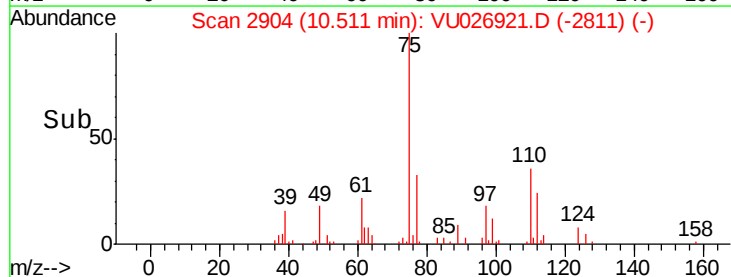
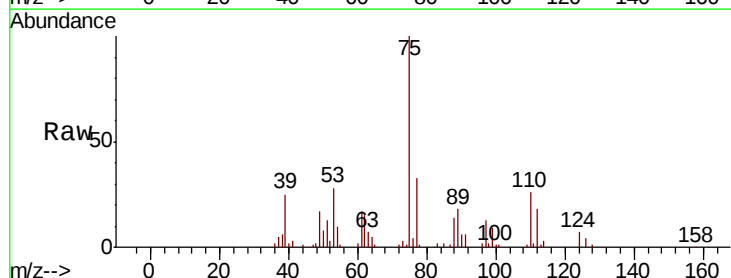
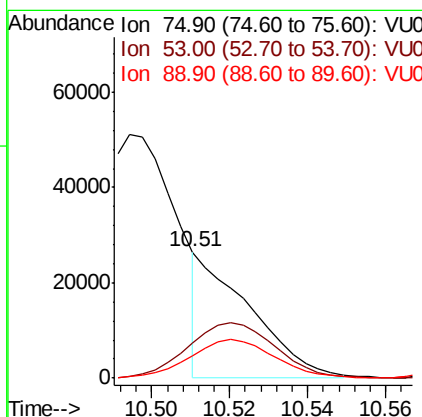
Manual Integrations
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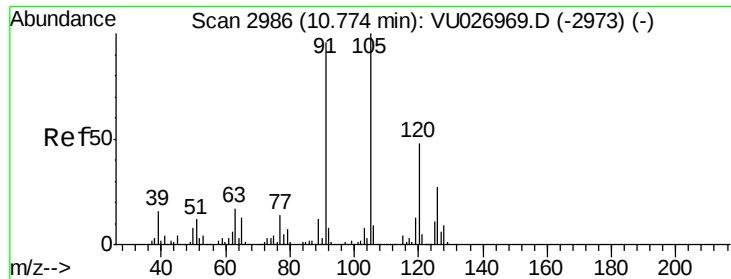
MMDadoda
 9/21/2018 4:12:28 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.194 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

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





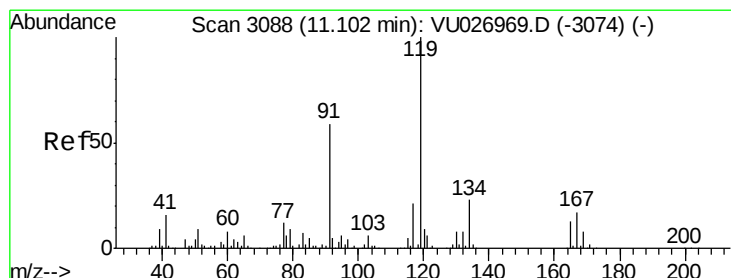
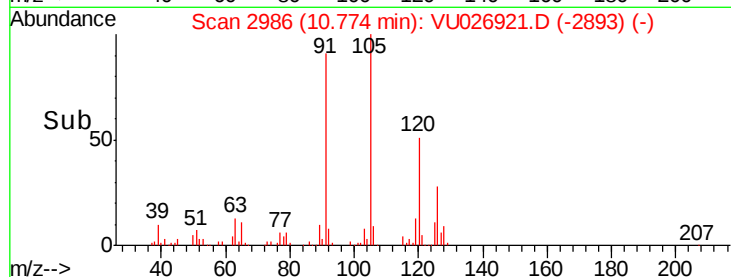
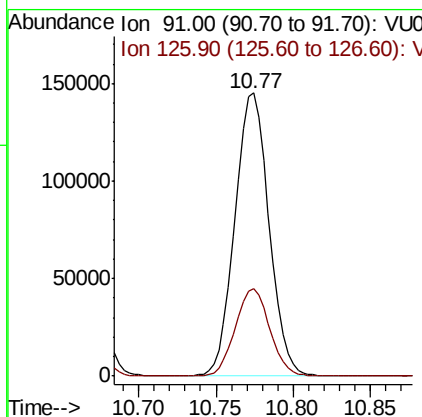
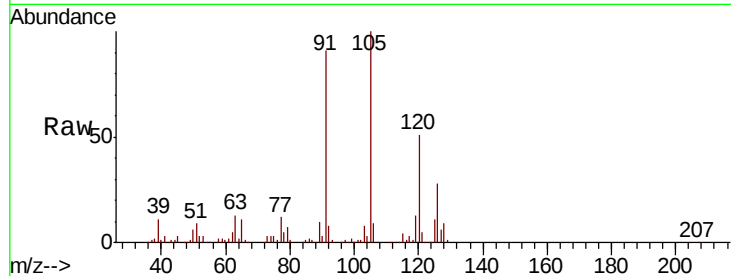
#82
4-Chlorotoluene
Concen: 47.930 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.2	45.5

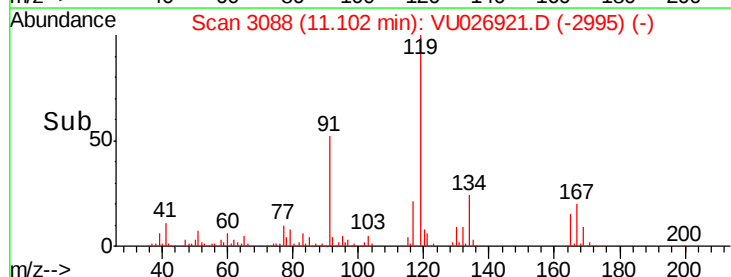
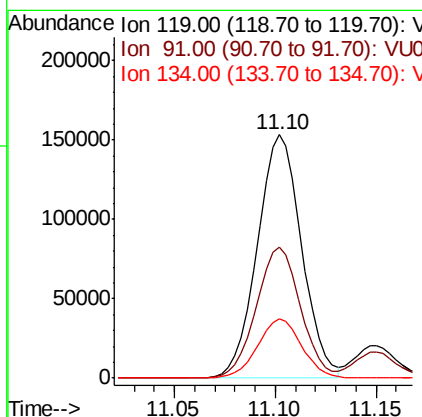
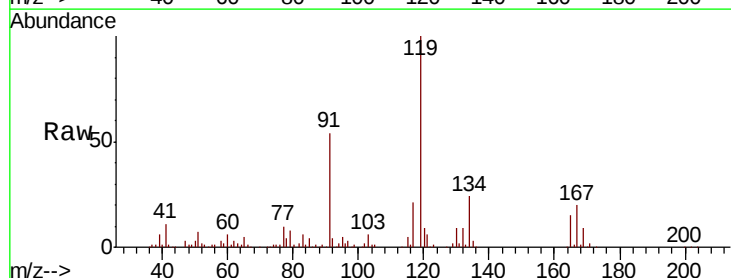
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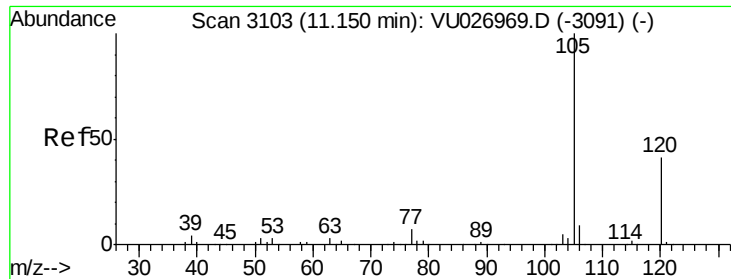
MMDadoda
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#83
tert-Butylbenzene
Concen: 48.326 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.0	28.3	85.0
134	24.1	11.2	33.5





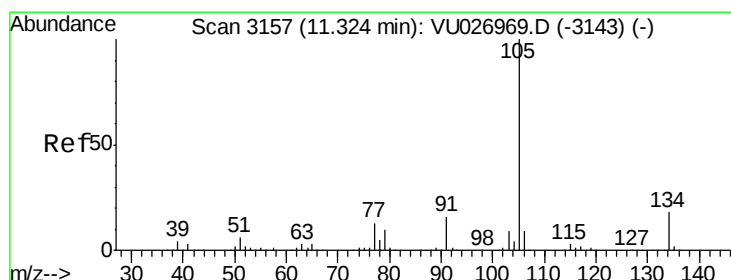
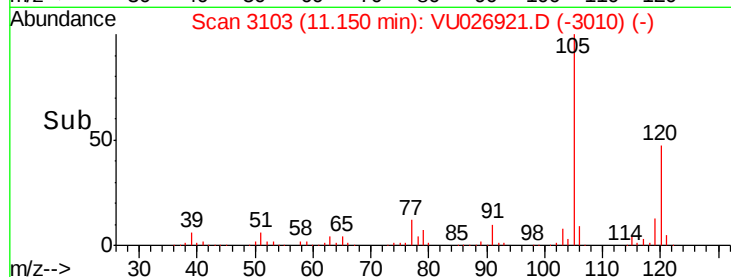
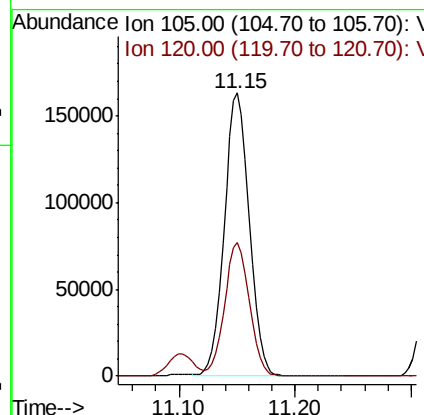
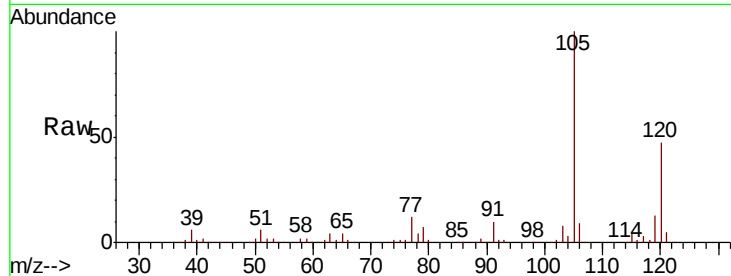
#84
 1,2,4-Trimethylbenzene
 Concen: 50.689 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion:105 Resp: 244777
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8

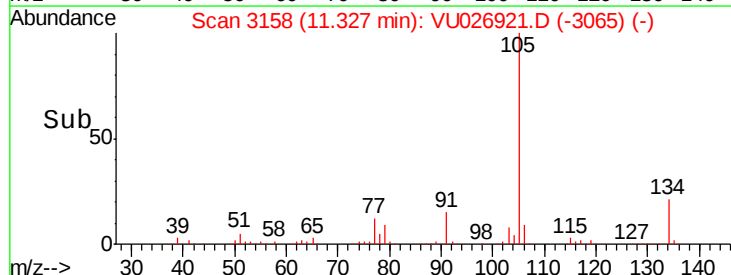
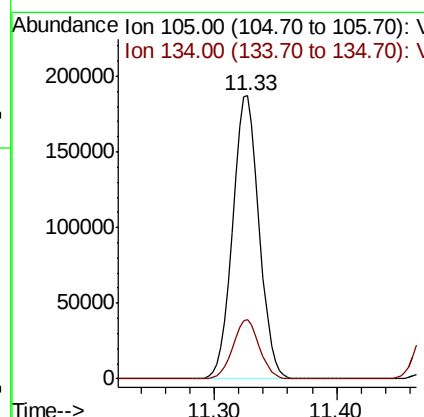
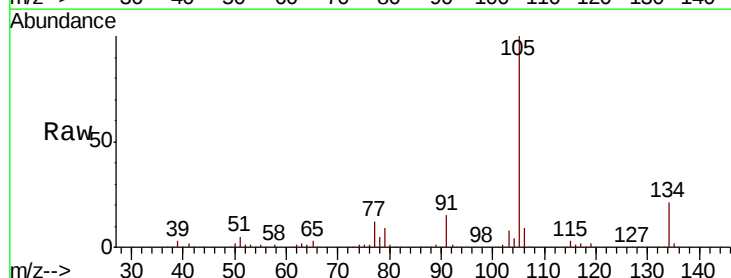
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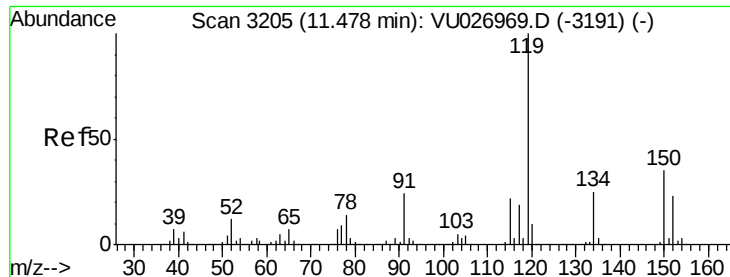
MMDadoda
 9/21/2018 4:12:28 PM



#85
 sec-Butylbenzene
 Concen: 49.099 ug/l
 RT: 11.33 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion:105 Resp: 283304
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.1 30.1





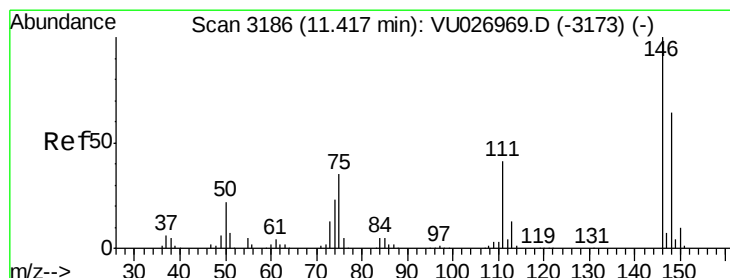
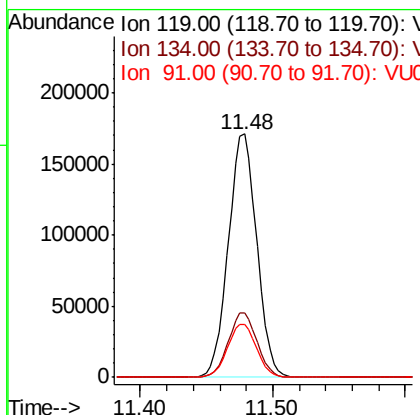
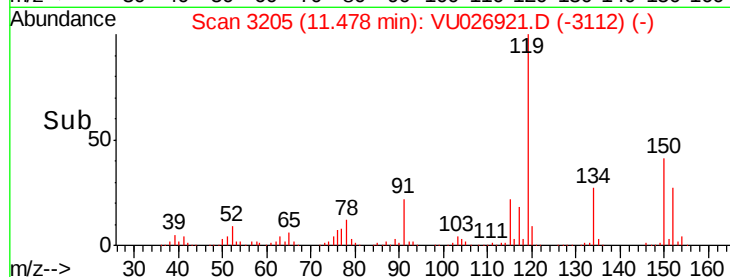
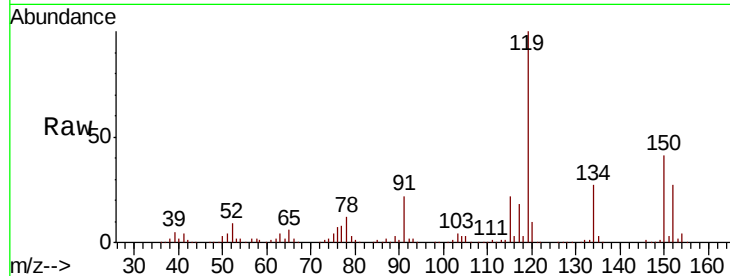
#86
 p-Isopropyltoluene
 Concen: 45.996 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254662		
134	26.6		13.2	39.5
91	22.2		11.6	34.8

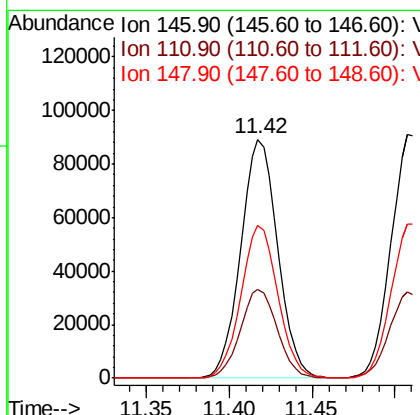
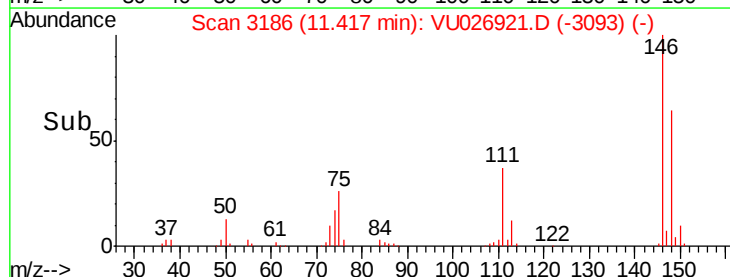
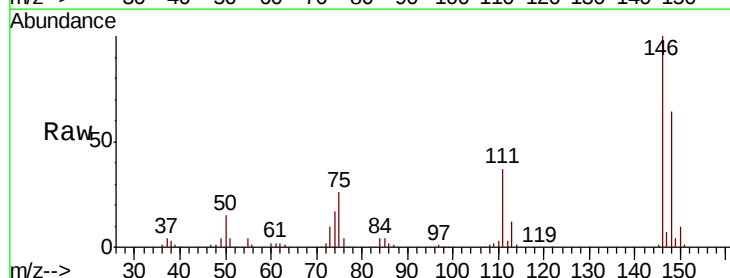
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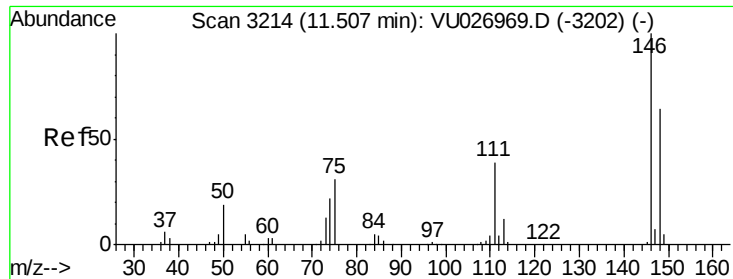
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 47.809 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	138073		
111	37.1		19.7	59.1
148	63.8		32.1	96.3





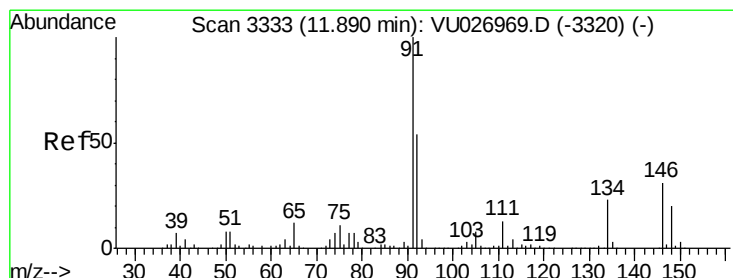
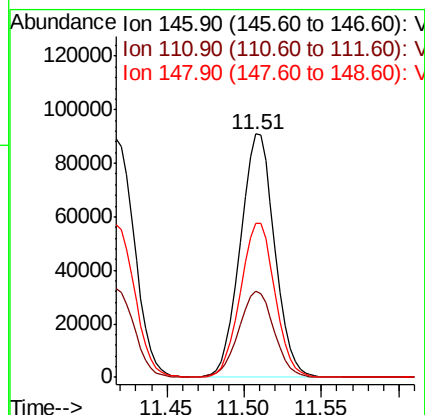
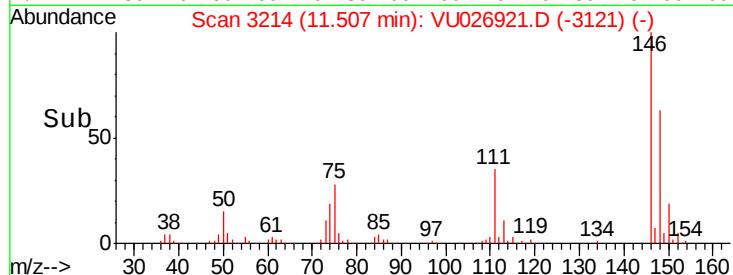
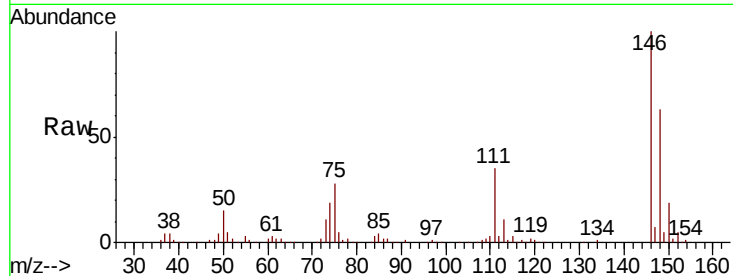
#88
 1,4-Dichlorobenzene
 Concen: 46.703 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.2	57.6
148	64.1	32.1	96.3

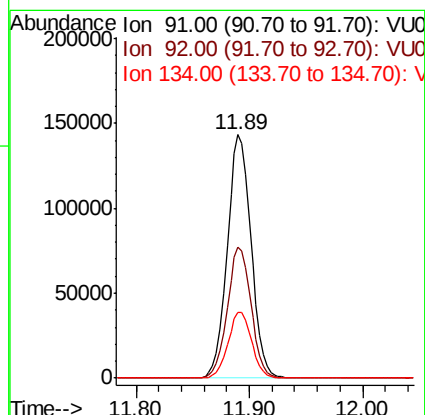
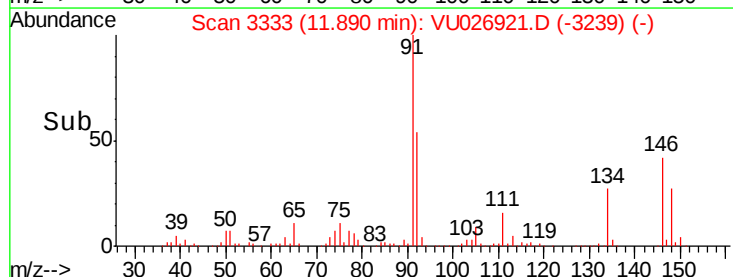
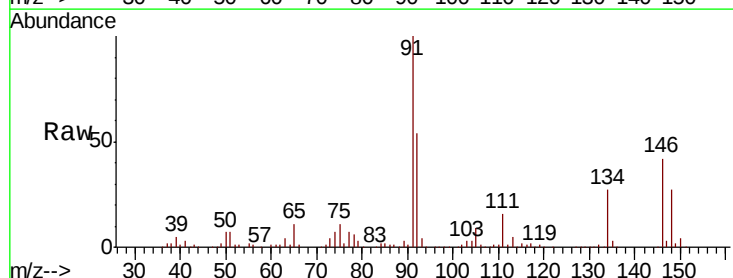
Manual Integrations
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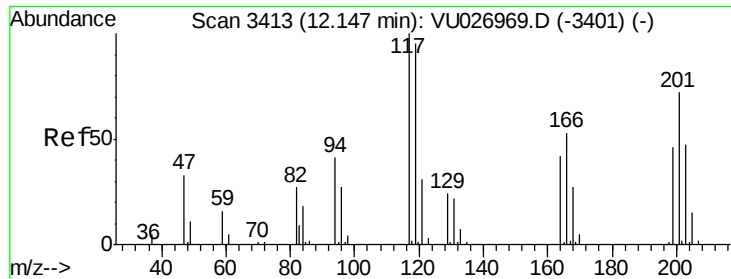
MMDadoda
 9/21/2018 4:12:28 PM



#89
 n-Butylbenzene
 Concen: 41.491 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	25.8	77.3
134	27.0	12.6	37.8





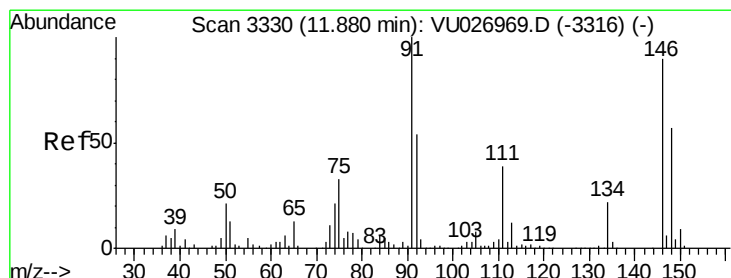
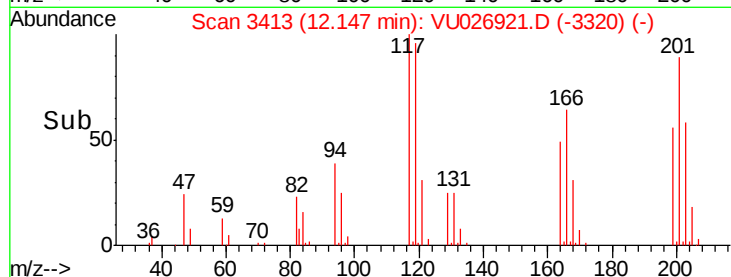
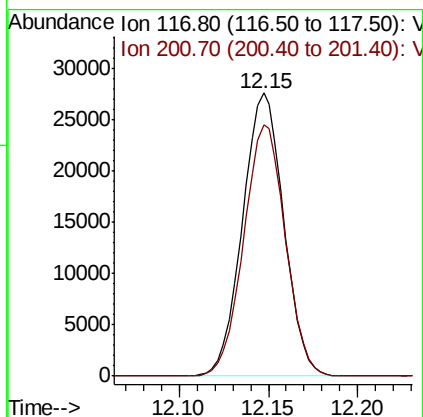
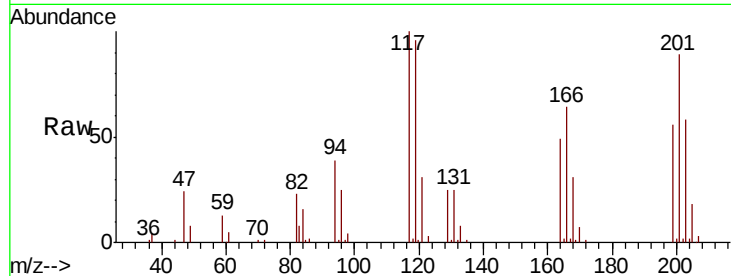
#90
Hexachloroethane
Concen: 43.789 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion:117 Resp: 44585
Ion Ratio Lower Upper
117 100
201 89.8 42.4 127.1

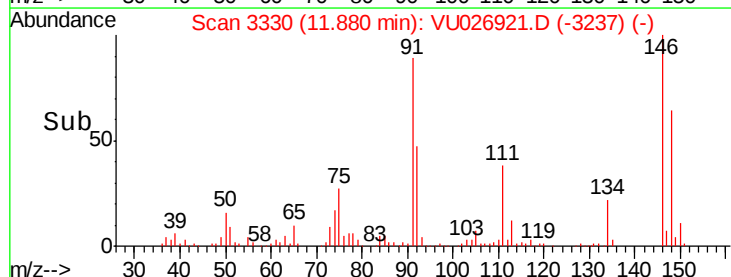
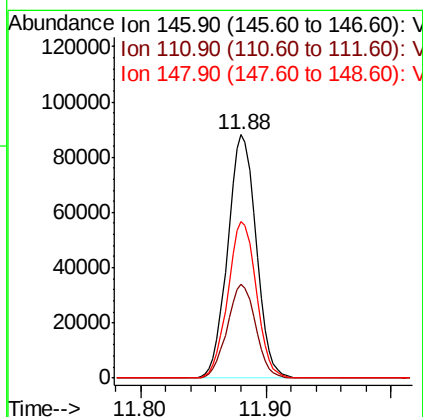
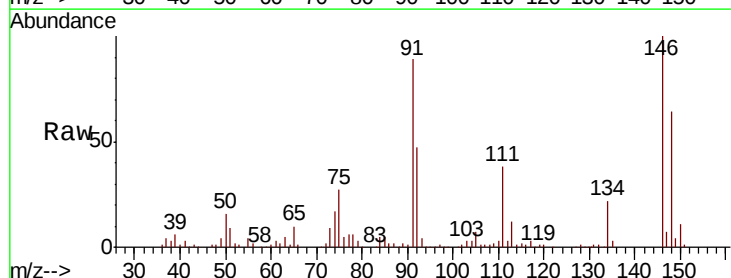
Manual Integrations
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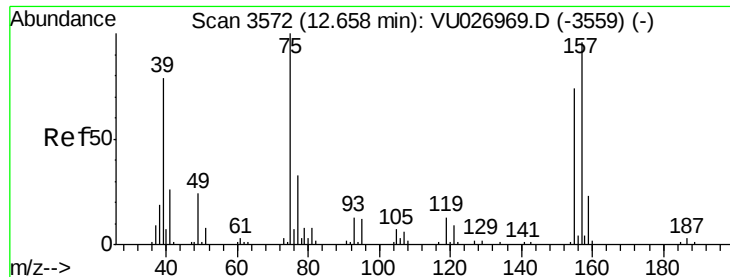
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9/21/2018 4:12:28 PM



#91
1,2-Dichlorobenzene
Concen: 47.711 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion:146 Resp: 138609
Ion Ratio Lower Upper
146 100
111 38.5 20.3 60.8
148 64.5 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 44.320 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

SA-MW131D-20180912MS

Tot Ion: 75 Resp: 20627

Ion Ratio Lower Upper

75 100

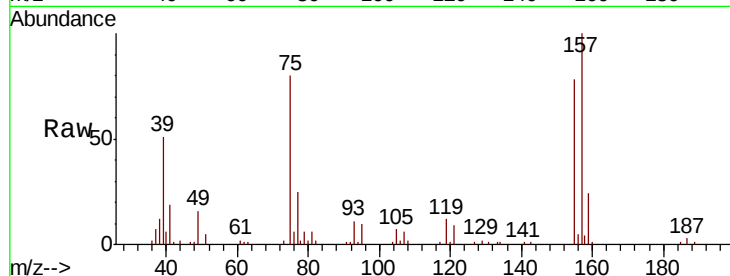
155 95.5 44.1 132.4

157 123.7 57.2 171.6

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VU026921.D (-3479) (-)

Ion 154.80 (154.50 to 155.50): VU026921.D (-3479) (-)

Ion 156.80 (156.50 to 157.50): VU026921.D (-3479) (-)

12.66

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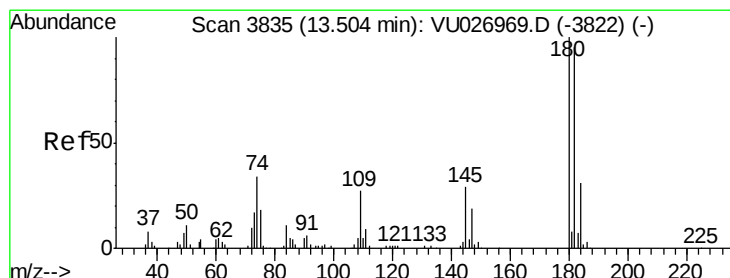
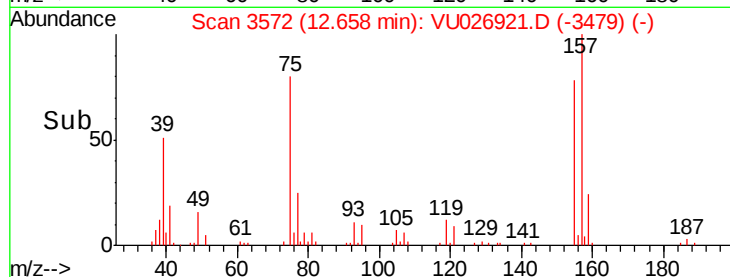
12.66

12.66

12.66

12.66

12.66



#93

1,2,4-Trichlorobenzene

Concen: 48.446 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU026921.D

Acq: 20 Sep 2018 00:41

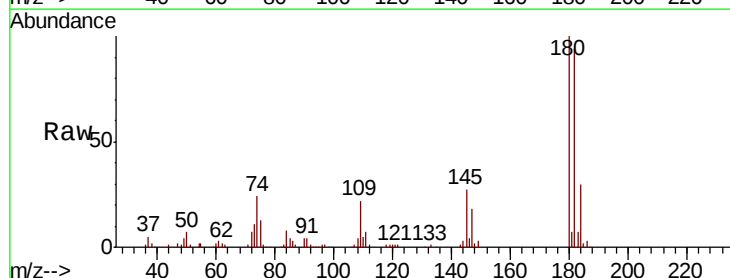
Tgt Ion: 180 Resp: 93465

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.7

145 27.4 14.0 42.0



Abundance Ion 179.80 (179.50 to 180.50): VU026921.D (-3742) (-)

Ion 181.80 (181.50 to 182.50): VU026921.D (-3742) (-)

Ion 144.80 (144.50 to 145.50): VU026921.D (-3742) (-)

13.50

13.50

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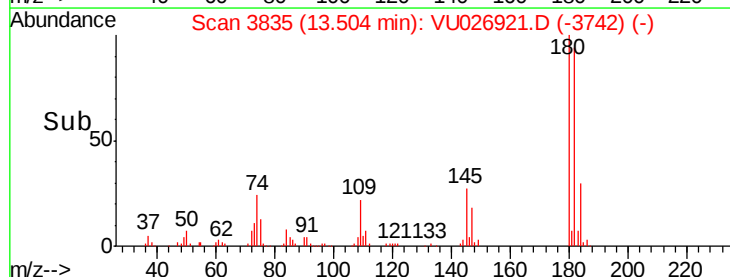
13.50

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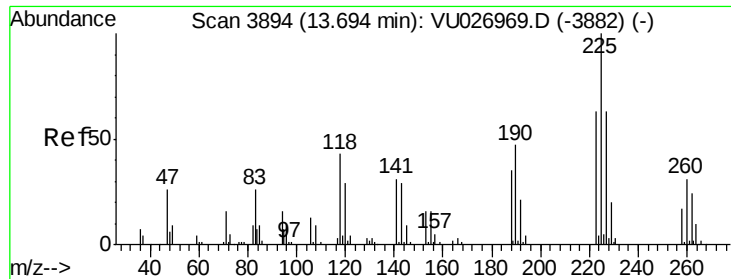
13.50

13.50

13.50

13.50

13.50



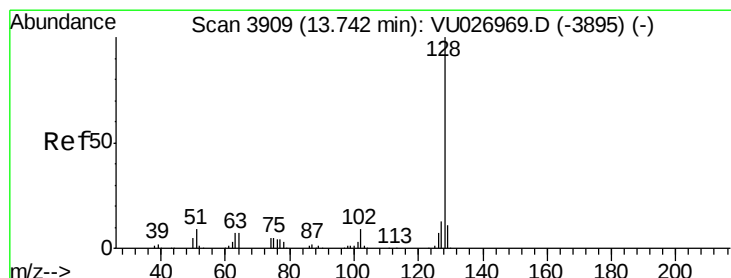
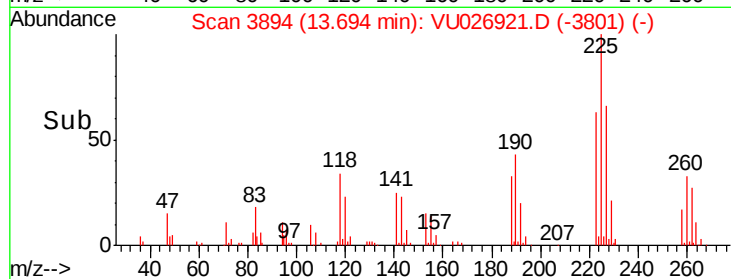
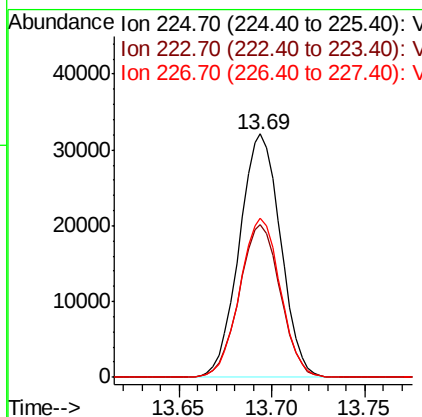
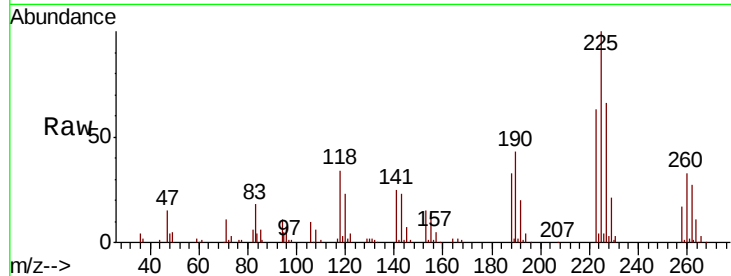
#94
Hexachlorobutadiene
Concen: 50.160 ug/l
RT: 13.69 min Scan# 3894
Delta R.T. -0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
SA-MW131D-20180912MS

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	92.0
227	64.4	32.1	96.3

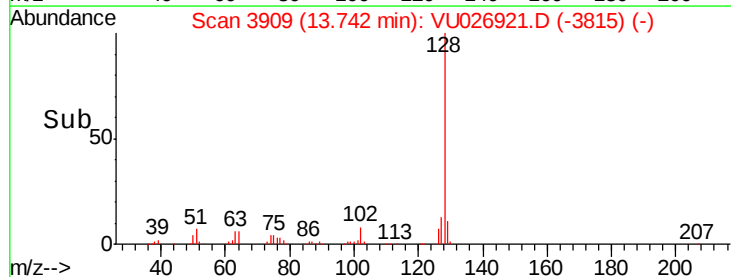
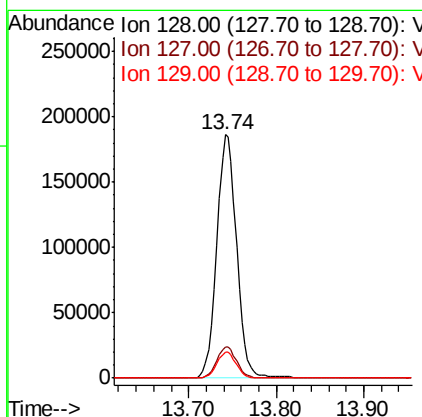
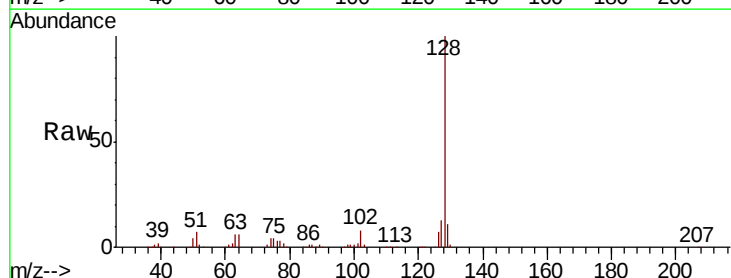
Manual Integrations
APPROVED

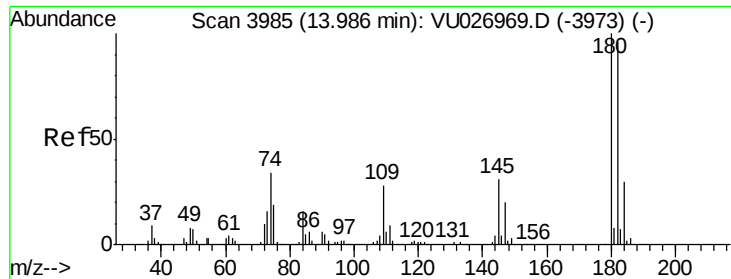
MMDadoda
9/21/2018 4:12:28 PM



#95
Naphthalene
Concen: 45.426 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026921.D
Acq: 20 Sep 2018 00:41

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.5	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 50.177 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. -0.00 min
 Lab File: VU026921.D
 Acq: 20 Sep 2018 00:41

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MS

Tot Ion:	180	Resp:	101100
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.7
145	29.2	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:28 PM

