

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027011.D
 Acq On : 22 Sep 2018 10:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:20 PM

Quant Time: Sep 24 04:33:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143769	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86106	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
35) Dibromofluoromethane	4.88	113	62072	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	7.57	98	241213	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	10.31	95	86475	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	54374	49.362	ug/l	98
3) Chloromethane	1.33	50	92137	48.514	ug/l	100
4) Vinyl Chloride	1.40	62	88122	49.708	ug/l	100
5) Bromomethane	1.62	94	47205	46.759	ug/l	98
6) Chloroethane	1.69	64	56546	49.921	ug/l	99
7) Trichlorofluoromethane	1.88	101	100499	49.914	ug/l	98
8) Diethyl Ether	2.10	74	49044	50.606	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	60087	48.535	ug/l	98
10) Methyl Iodide	2.41	142	68089	44.345	ug/l	99
11) Tert butyl alcohol	2.83	59	97527	250.580	ug/l	98
12) 1,1-Dichloroethene	2.28	96	57634	49.461	ug/l	97
13) Acrolein	2.20	56	53628	255.606	ug/l	100
14) Allyl chloride	2.59	41	123653	52.320	ug/l	95
15) Acrylonitrile	2.94	53	254140	259.077	ug/l	99
16) Acetone	2.32	43	223845	248.039	ug/l	100
17) Carbon Disulfide	2.48	76	185312	48.818	ug/l	100
18) Methyl Acetate	2.61	43	125662	51.994	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	230766	53.892	ug/l	98
20) Methylene Chloride	2.70	84	72299	47.542	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	64224	51.623	ug/l	97
22) Diisopropyl ether	3.57	45	283861	56.153	ug/l	98
23) Vinyl Acetate	3.53	43	1205243	279.699	ug/l	99
24) 1,1-Dichloroethane	3.45	63	146382	52.577	ug/l	99
25) 2-Butanone	4.26	43	361624	253.413	ug/l	98
26) 2,2-Dichloropropane	4.23	77	74361	34.247	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	72411	51.538	ug/l	100
28) Bromochloromethane	4.55	49	73024	54.411	ug/l	97
29) Tetrahydrofuran	4.64	42	235438	272.735	ug/l	98
30) Chloroform	4.67	83	131010	50.693	ug/l	99
31) Cyclohexane	5.00	56	134698	53.260	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	106443	51.586	ug/l	99
36) 1,1-Dichloropropene	5.14	75	99525	51.869	ug/l	98
37) Ethyl Acetate	4.38	43	130177	50.116	ug/l	99
38) Carbon Tetrachloride	5.14	117	91963	50.364	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	113395	54.382	ug/l	100
40) Benzene	5.39	78	296954	50.909	ug/l	99
41) Methacrylonitrile	4.54	41	75508	55.973	ug/l	98
42) 1,2-Dichloroethane	5.40	62	113220	51.375	ug/l	99
43) Isopropyl Acetate	5.55	43	203487	53.717	ug/l	99
44) Trichloroethene	6.19	130	62366	50.223	ug/l	94
45) 1,2-Dichloropropane	6.43	63	86095	51.801	ug/l	99
46) Dibromomethane	6.56	93	50766	50.575	ug/l	98
47) Bromodichloromethane	6.76	83	102359	50.431	ug/l	100
48) Methyl methacrylate	6.62	41	103538	50.213	ug/l	100
49) 1,4-Dioxane	6.61	88	41565	1015.129	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	701496	275.340	ug/l	100
52) Toluene	7.64	92	179114	53.571	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112756	51.706	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118551	49.442	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	73014	51.537	ug/l	99
56) Ethyl methacrylate	8.02	69	123563	50.255	ug/l	99
57) 1,3-Dichloropropane	8.24	76	139658	53.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	342292	245.453	ug/l	99
59) 2-Hexanone	8.36	43	537536	269.533	ug/l	99
60) Dibromochloromethane	8.48	129	72369	52.077	ug/l	99
61) 1,2-Dibromoethane	8.59	107	75046	50.912	ug/l	100
64) Tetrachloroethene	8.23	164	55084	49.205	ug/l	98
65) Chlorobenzene	9.12	112	186531	48.423	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	65865	49.642	ug/l	99
67) Ethyl Benzene	9.25	91	337133	53.223	ug/l	100
68) m/p-Xylenes	9.38	106	253804	98.953	ug/l	100
69) o-Xylene	9.78	106	121798	54.269	ug/l	100
70) Styrene	9.79	104	202755	48.442	ug/l	100
71) Bromoform	9.96	173	52186	50.863	ug/l #	99
73) Isopropylbenzene	10.17	105	327765	55.069	ug/l	100
74) N-amyl acetate	10.02	43	189941	55.131	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	128574	46.984	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	116001m	48.801	ug/l	
77) Bromobenzene	10.45	156	74491	51.215	ug/l	97
78) n-propylbenzene	10.59	91	395952	56.223	ug/l	99
79) 2-Chlorotoluene	10.66	91	234736	53.064	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	273769	55.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	33224m	44.729	ug/l	
82) 4-Chlorotoluene	10.77	91	268051	54.041	ug/l	100
83) tert-Butylbenzene	11.10	119	257841	53.081	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	282548	56.509	ug/l	99
85) sec-Butylbenzene	11.32	105	329591	55.585	ug/l	100
86) p-Isopropyltoluene	11.48	119	281241	50.538	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	136734	50.519	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	139868	47.415	ug/l	99
89) n-Butylbenzene	11.89	91	262115	48.666	ug/l	100
90) Hexachloroethane	12.15	117	52988	49.142	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	138014	48.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28659	51.336	ug/l	98

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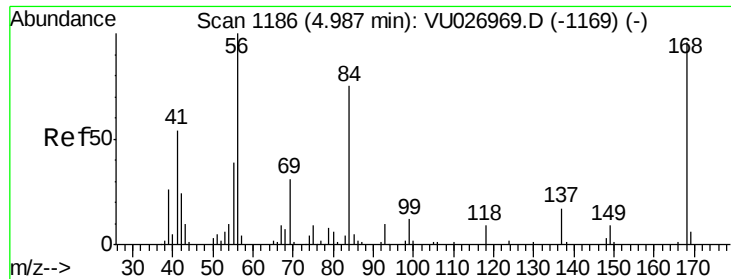
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90931	54.883	ug/l	100
94) Hexachlorobutadiene	13.69	225	42731	48.744	ug/l	100
95) Naphthalene	13.74	128	328289	50.656	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	96444	54.282	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 84368

Ion Ratio Lower Upper

168 100

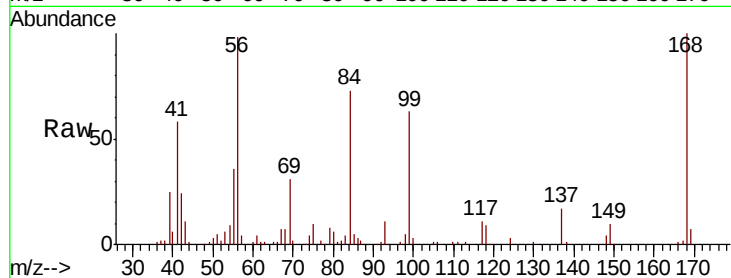
99 61.6 48.1 72.1

Manual Integrations

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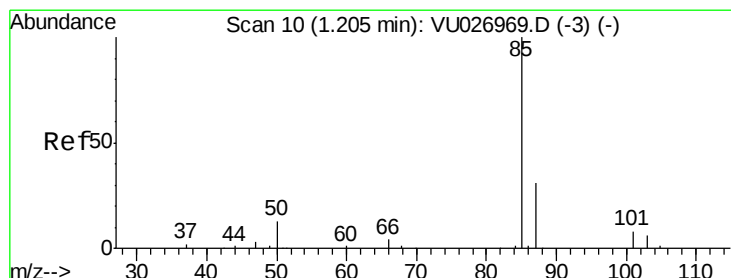
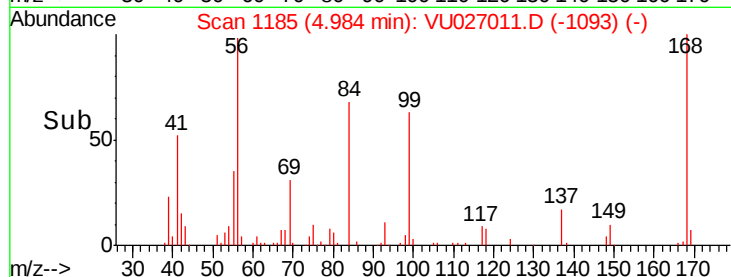
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.362 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027011.D

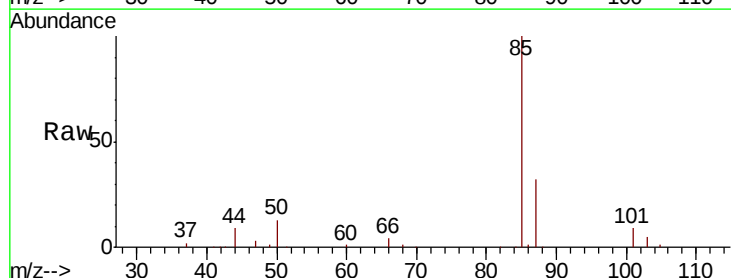
Acq: 22 Sep 2018 10:47

Tgt Ion: 85 Resp: 54374

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.7



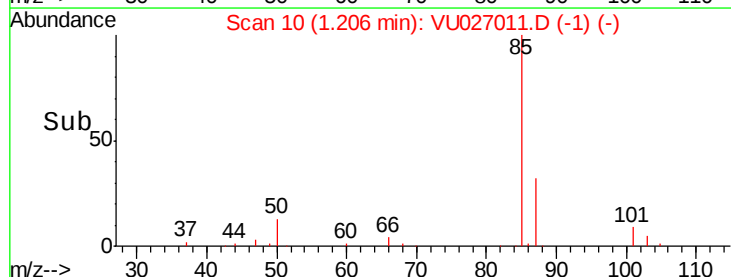
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

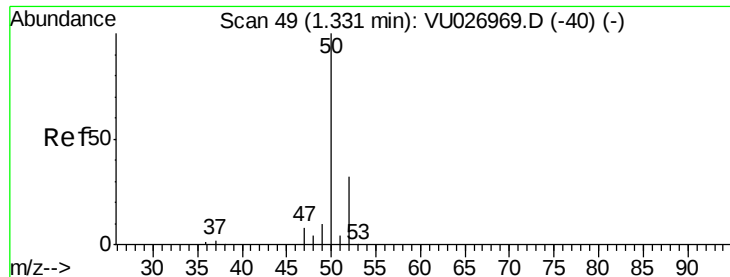
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.514 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92137

Ion Ratio Lower Upper

50 100

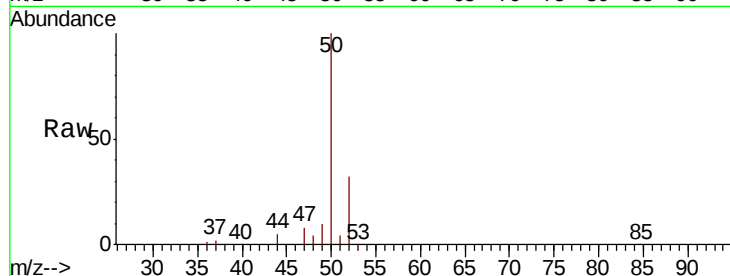
52 32.3 25.9 38.9

Manual Integrations

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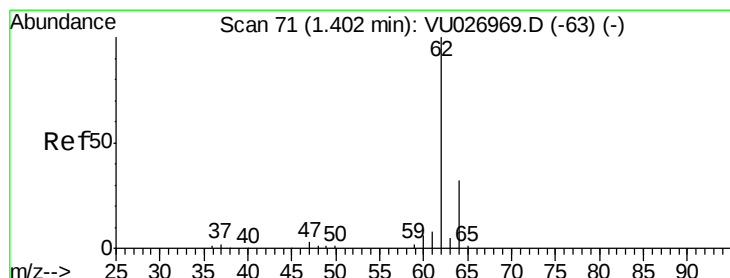
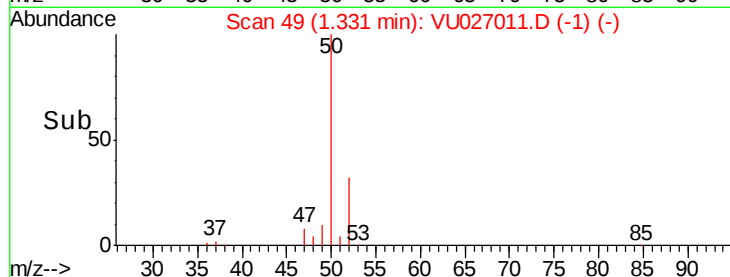
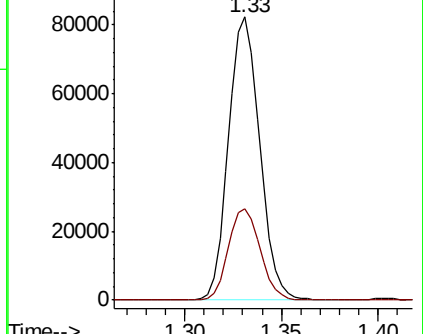
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Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027011.D (-1) (-)



#4

Vinyl Chloride

Concen: 49.708 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027011.D

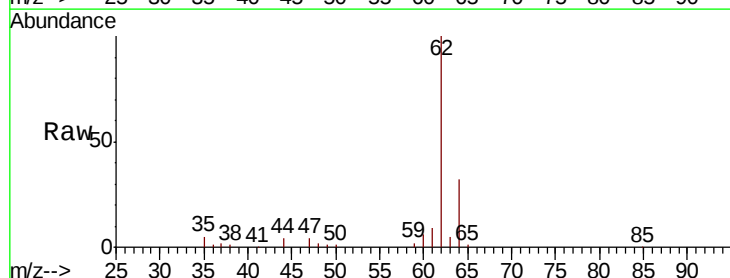
Acq: 22 Sep 2018 10:47

Tgt Ion: 62 Resp: 88122

Ion Ratio Lower Upper

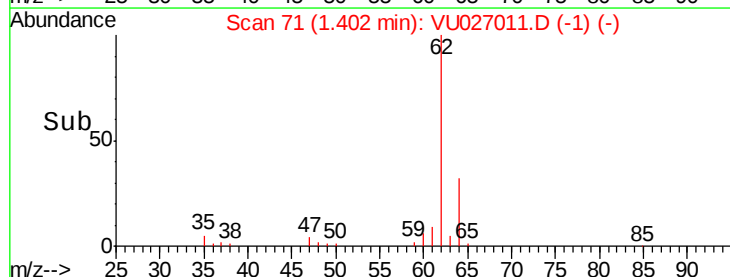
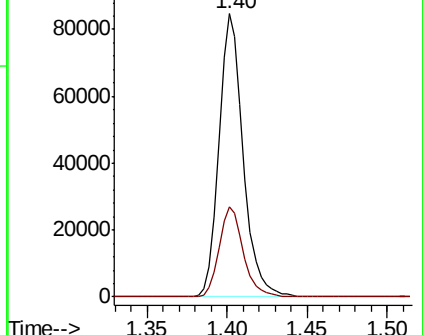
62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027011.D (-1) (-)





#5

Bromomethane

Concen: 46.759 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 47205

Ion Ratio Lower Upper

94 100

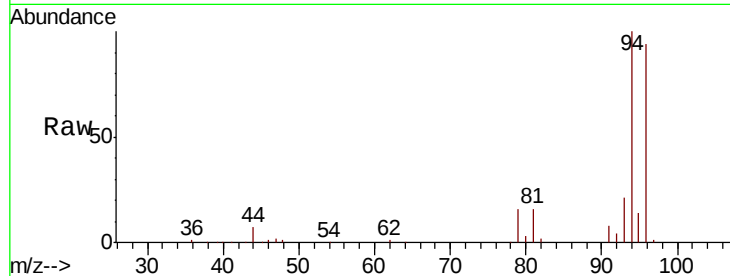
96 93.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027011.D (-45) (-)

1.62

40000

30000

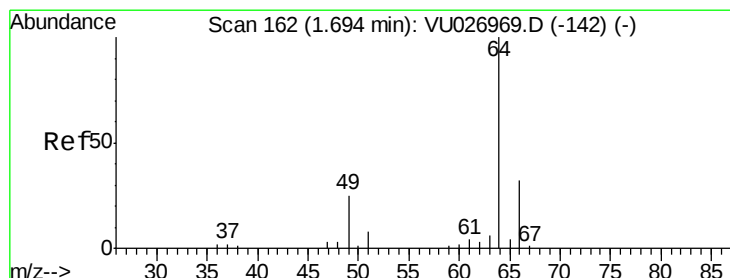
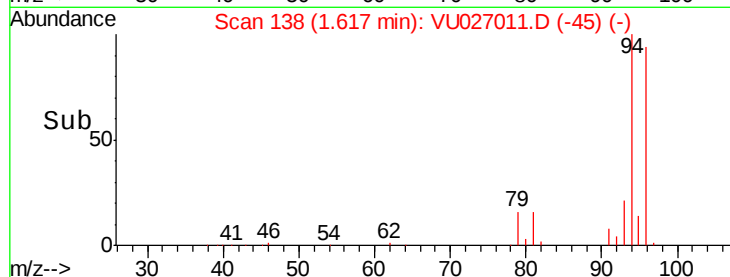
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.921 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027011.D

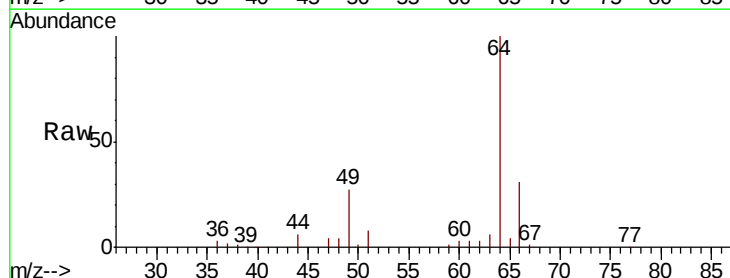
Acq: 22 Sep 2018 10:47

Tgt Ion: 64 Resp: 56546

Ion Ratio Lower Upper

64 100

66 31.2 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027011.D (-69) (-)

1.69

40000

30000

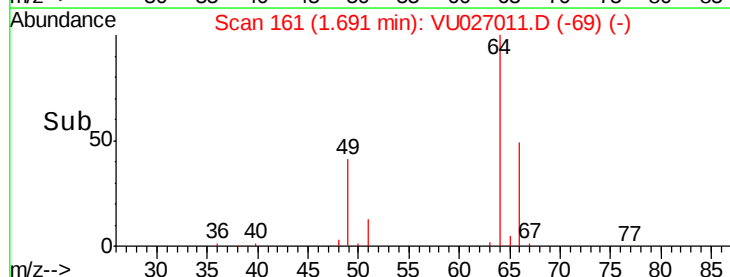
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10000

0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

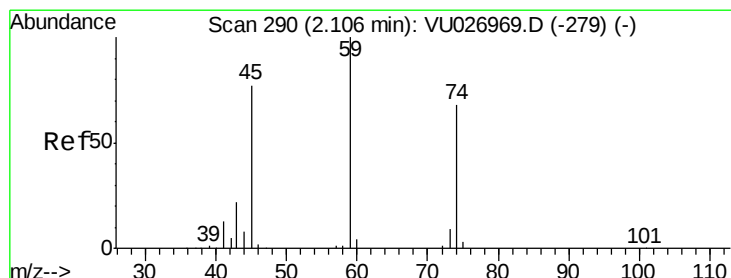
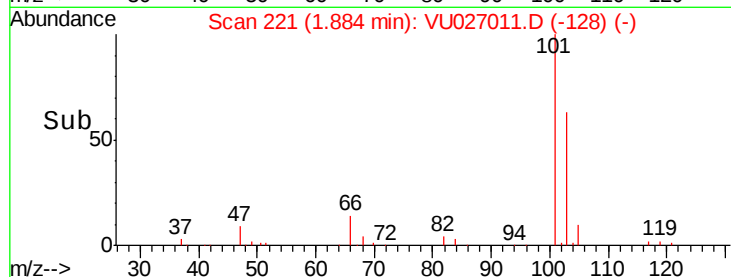
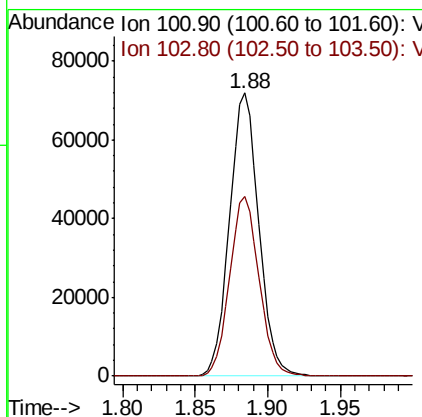
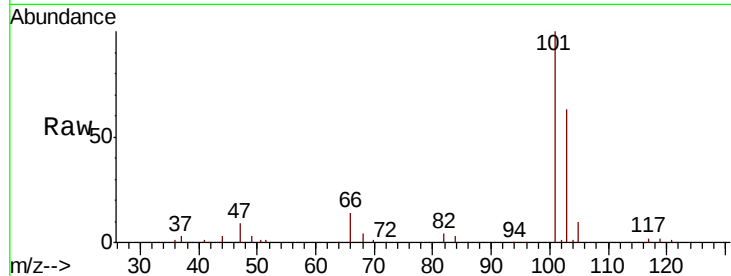
Trichlorofluoromethane
 Concen: 49.914 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.2

Manual Integrations
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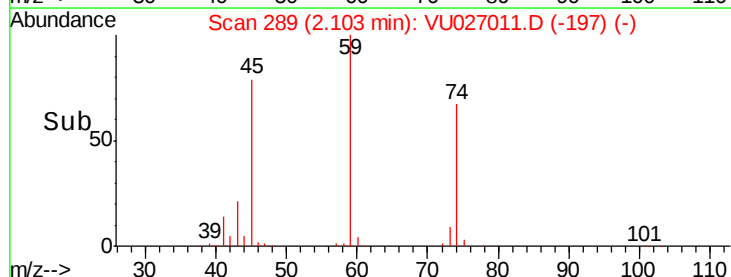
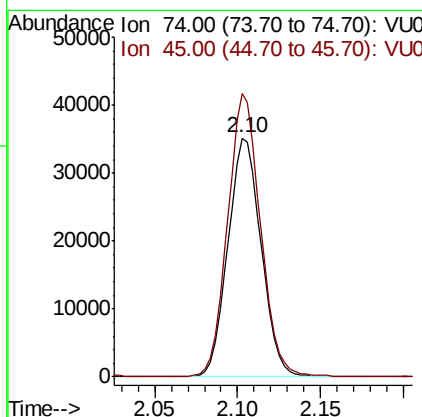
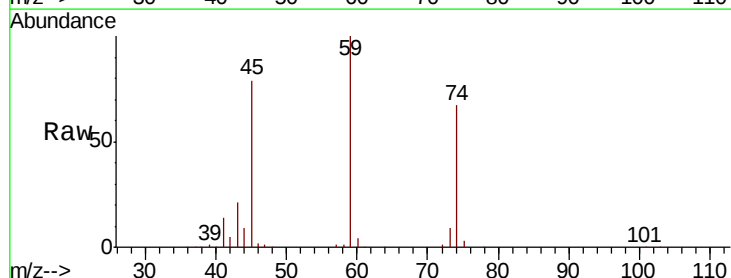
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 9/24/2018 2:14:20 PM

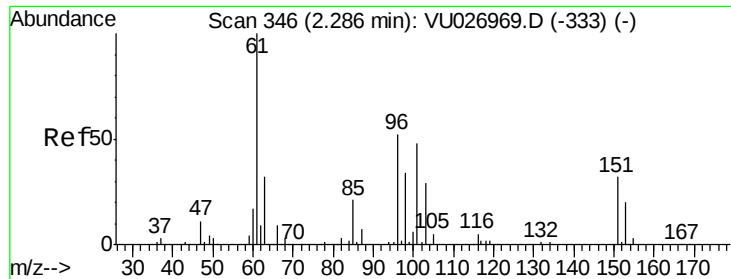


#8

Diethyl Ether
 Concen: 50.606 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.2	56.9	170.7





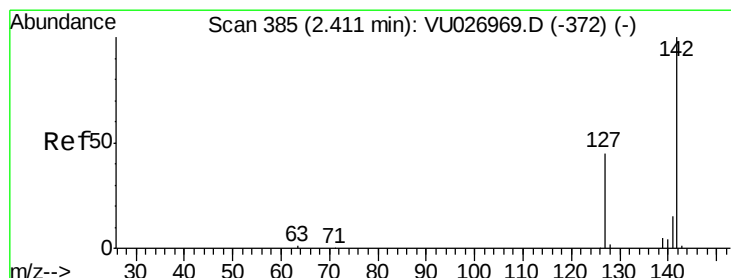
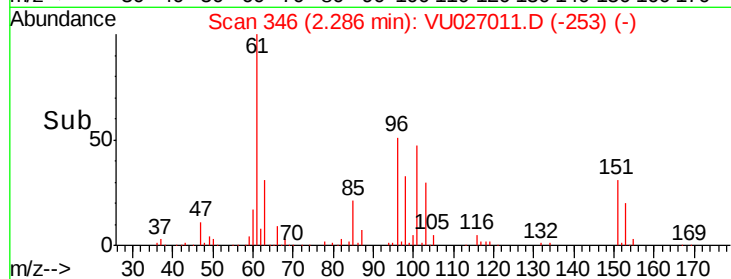
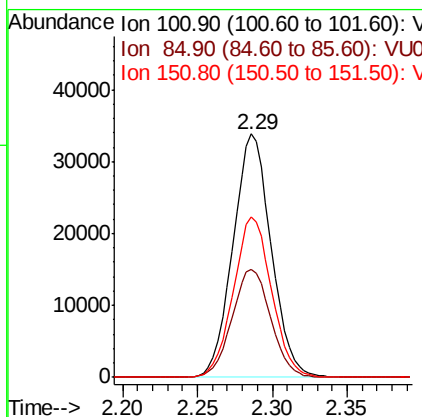
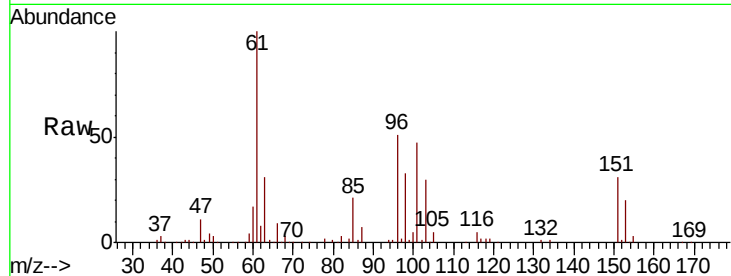
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.535 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.2
151	65.8	54.5	81.7

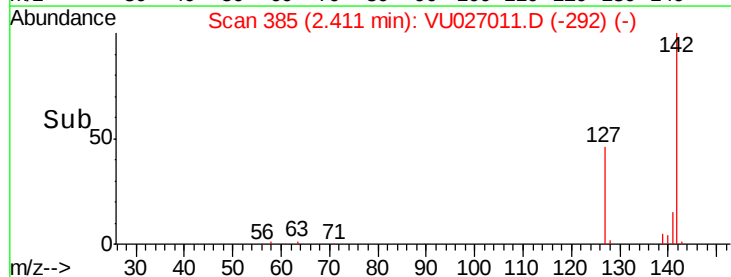
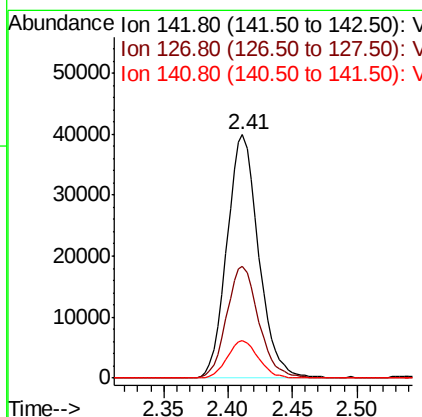
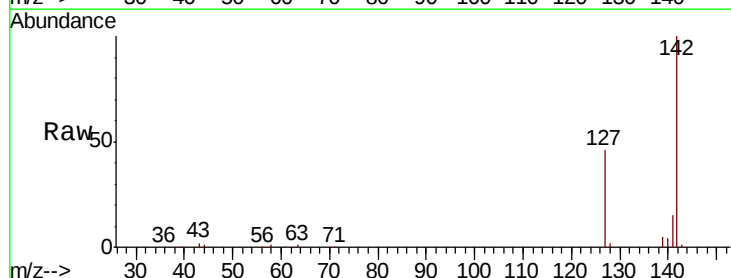
Manual Integrations
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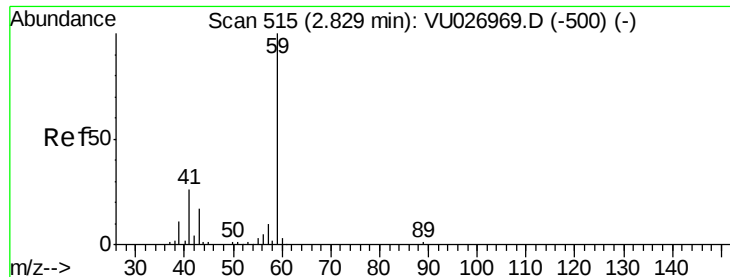
MMDadoda
 9/24/2018 2:14:20 PM



#10
 Methyl Iodide
 Concen: 44.345 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.7	55.1
141	15.1	11.8	17.6





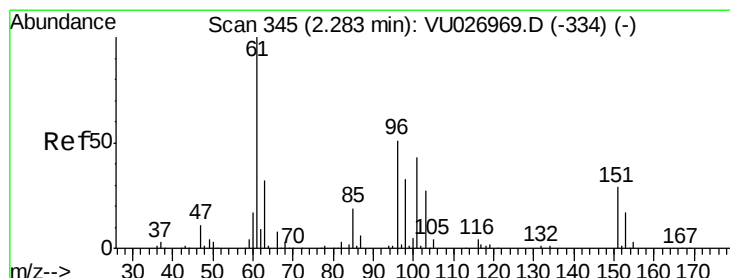
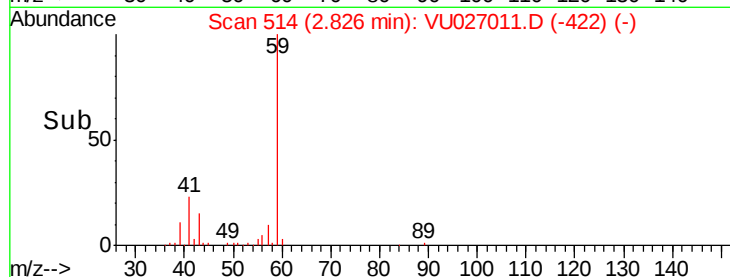
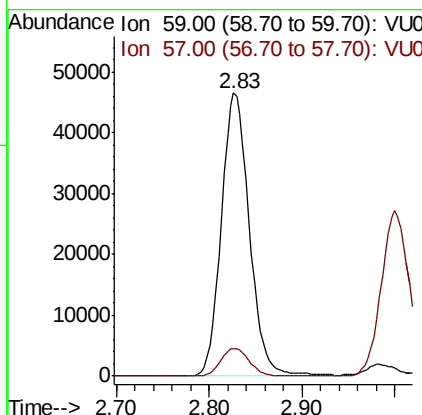
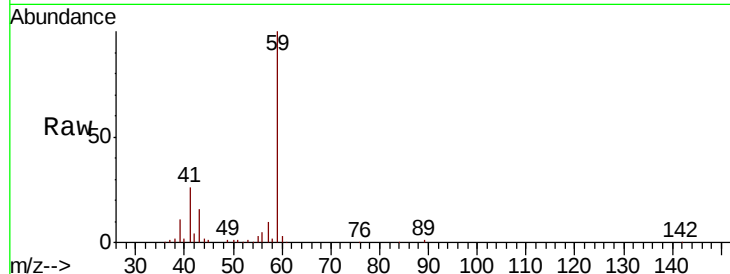
#11
Tert butyl alcohol
Concen: 250.580 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

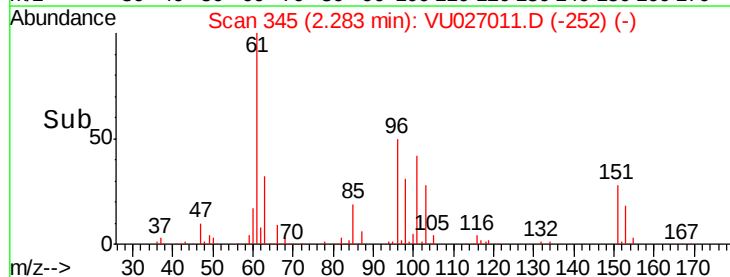
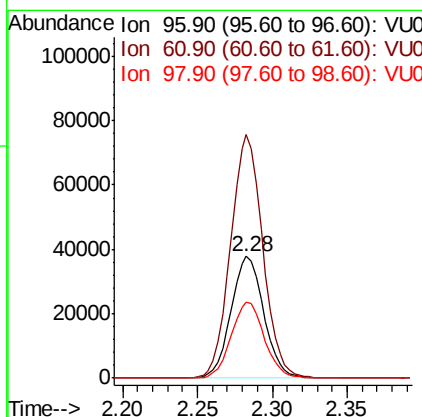
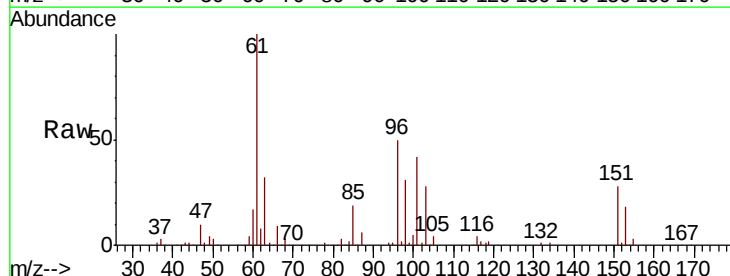
Manual Integrations
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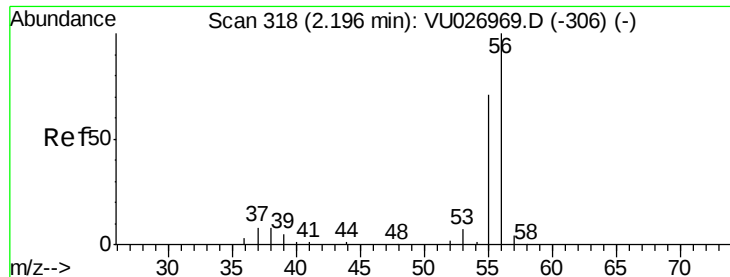
MMDadoda
9/24/2018 2:14:20 PM



#12
1,1-Dichloroethene
Concen: 49.461 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.2	156.1	234.1
98	62.8	51.4	77.0





#13

Acrolein

Concen: 255.606 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53628

Ion Ratio Lower Upper

56 100

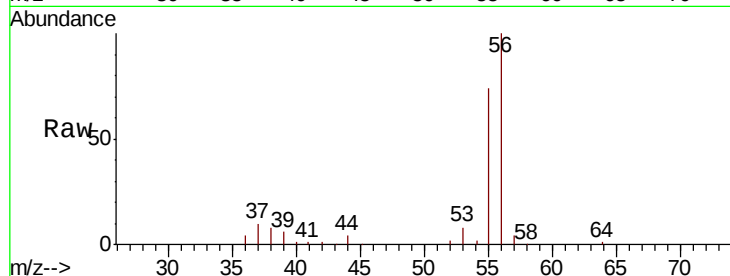
55 71.6 57.1 85.7

Manual Integrations

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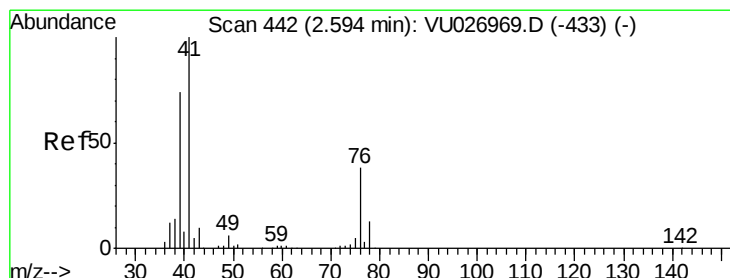
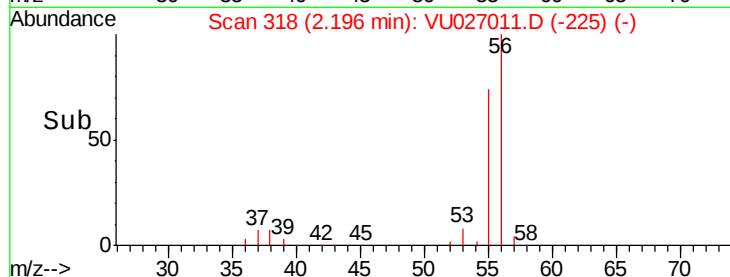
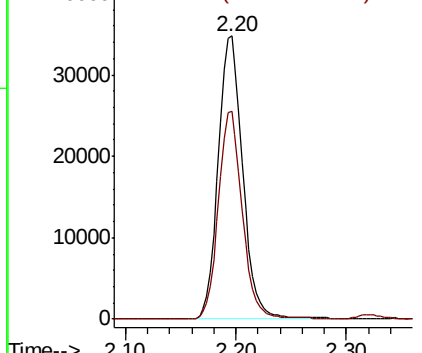
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027011.D (-225) (-)



#14

Allyl chloride

Concen: 52.320 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

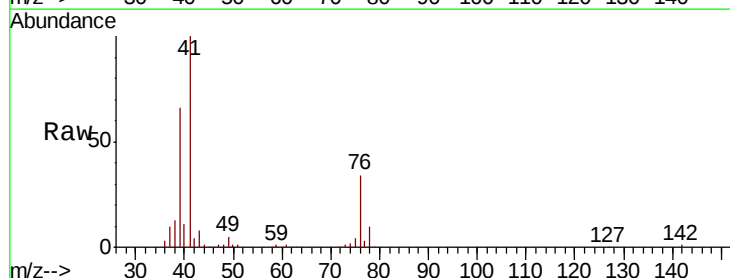
Tgt Ion: 41 Resp: 123653

Ion Ratio Lower Upper

41 100

39 64.8 55.7 83.5

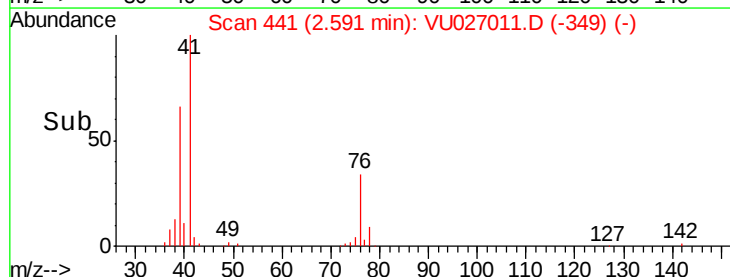
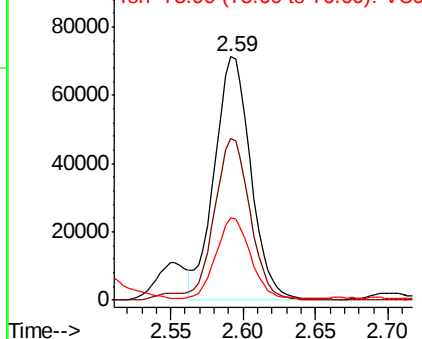
76 31.2 26.5 39.7

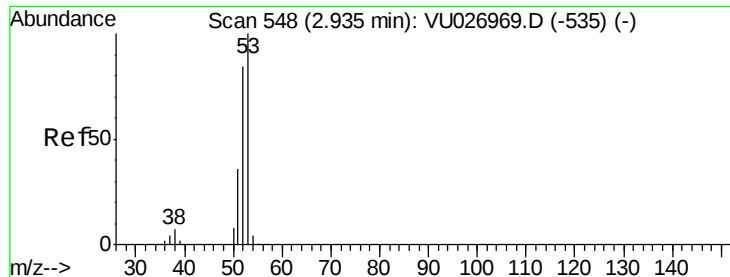


Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027011.D (-349) (-)

Ion 75.90 (75.60 to 76.60): VU027011.D (-349) (-)





#15

Acrylonitrile

Concen: 259.077 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

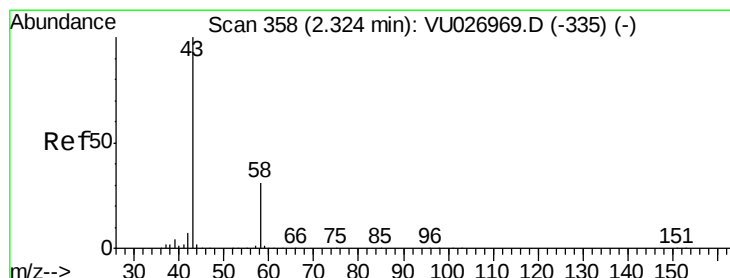
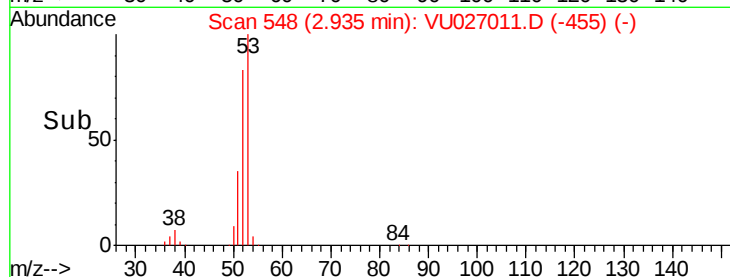
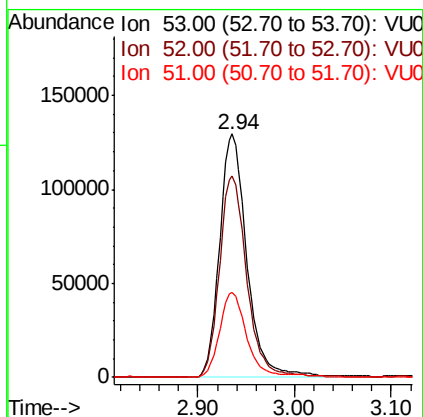
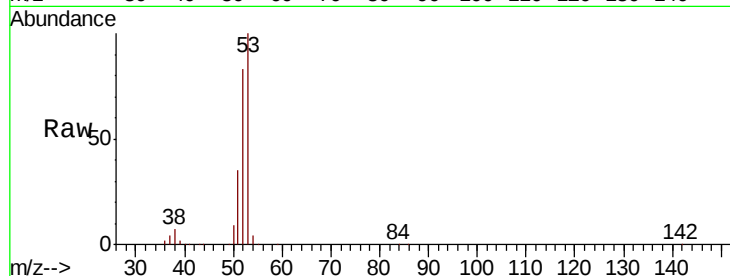
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	254140
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.7	98.5
51	34.4	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 248.039 ug/l

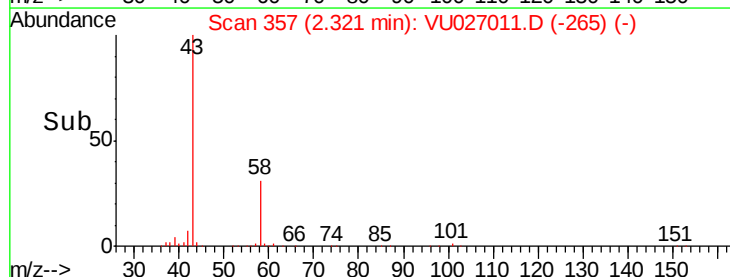
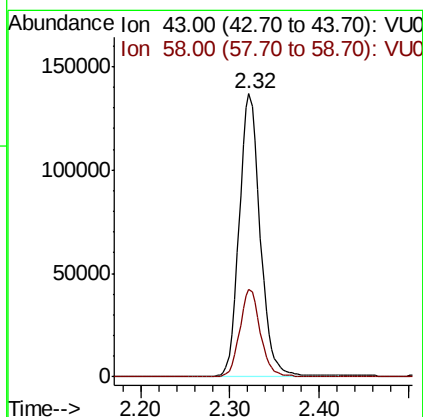
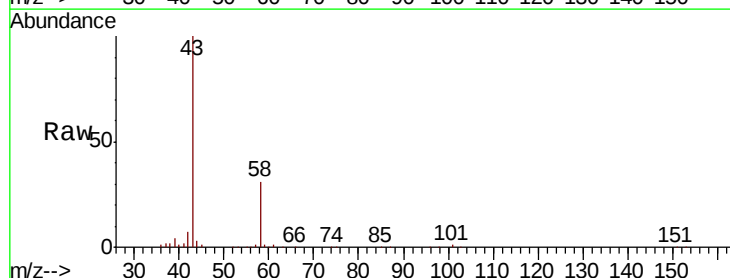
RT: 2.32 min Scan# 357

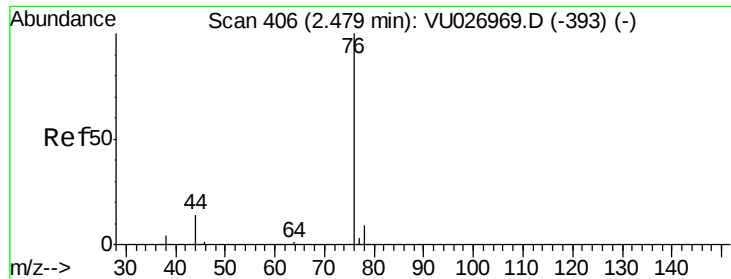
Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tgt Ion:	43	Resp:	223845
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	36.8





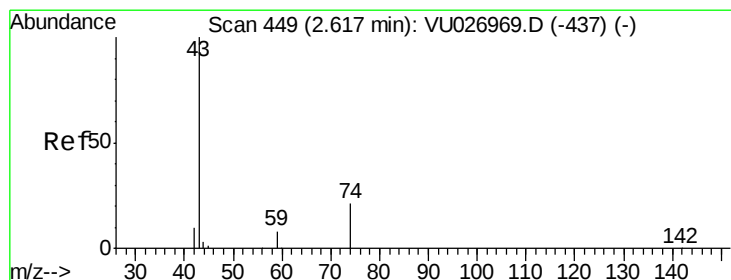
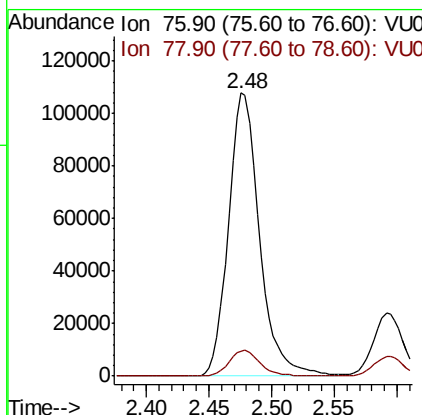
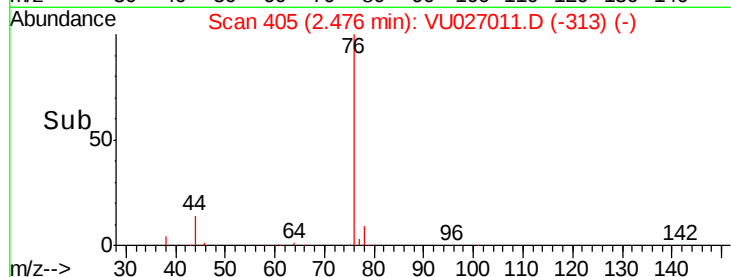
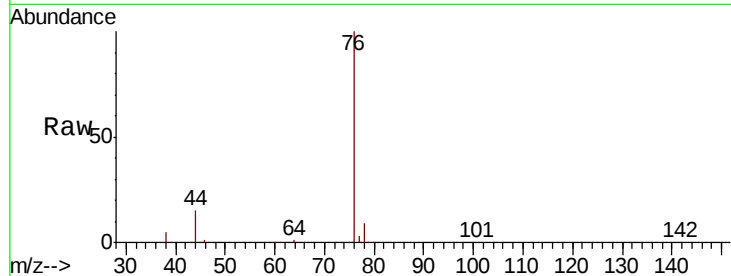
#17
Carbon Disulfide
Concen: 48.818 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

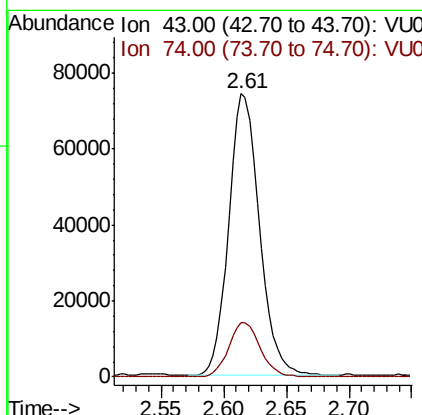
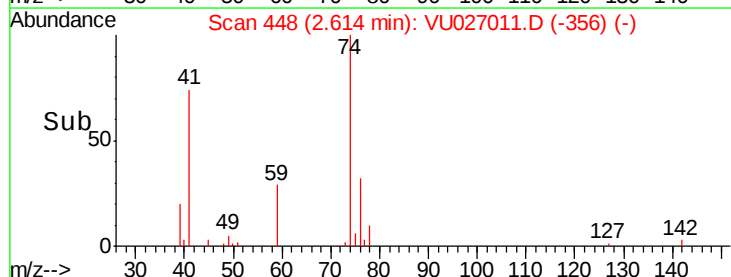
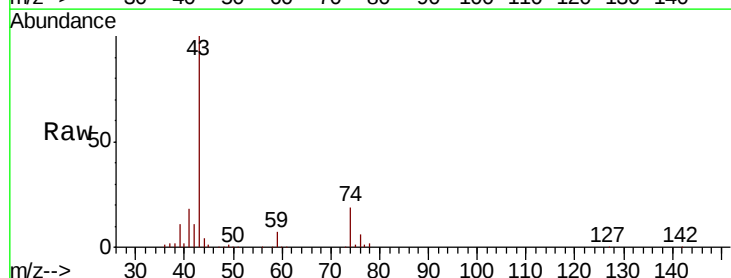
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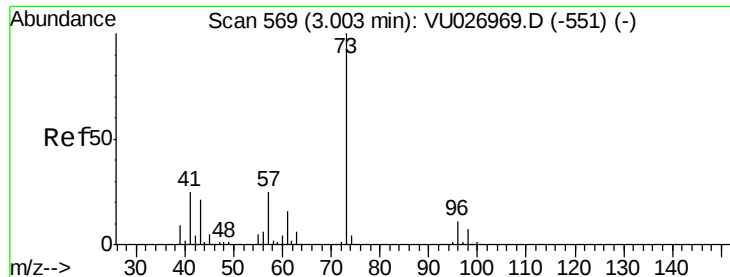
MMDadoda
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#18
Methyl Acetate
Concen: 51.994 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





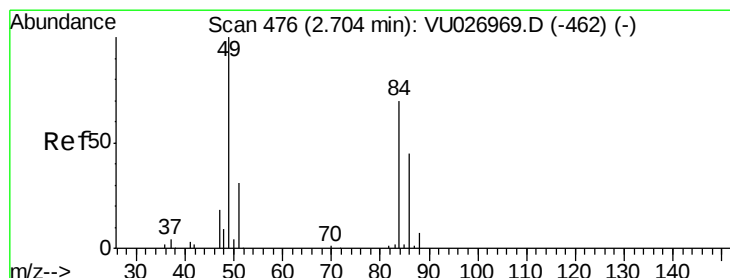
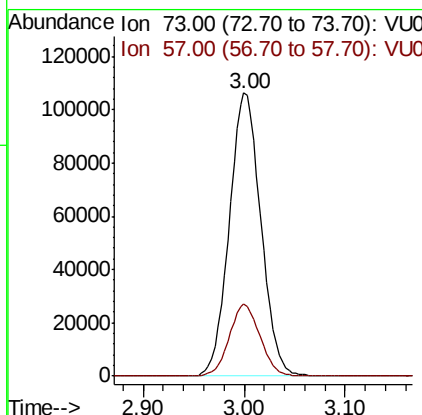
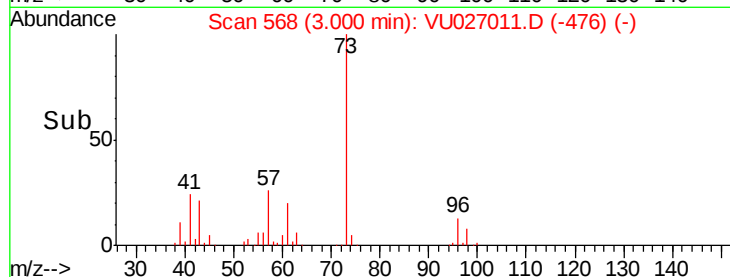
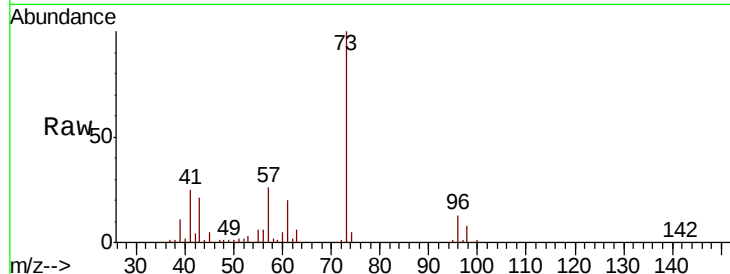
#19
Methyl tert-butyl Ether
Concen: 53.892 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.6	19.8	29.6

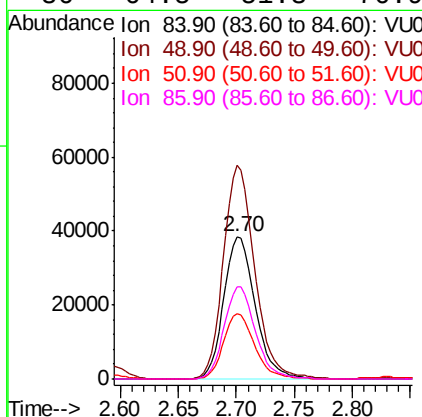
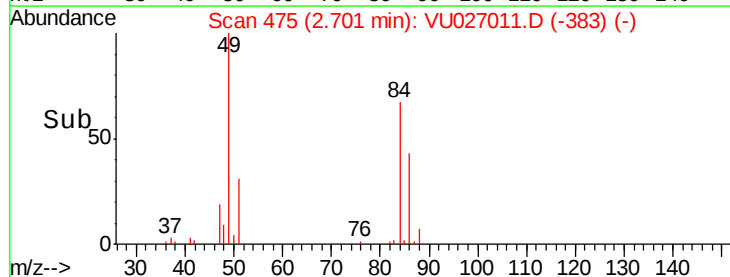
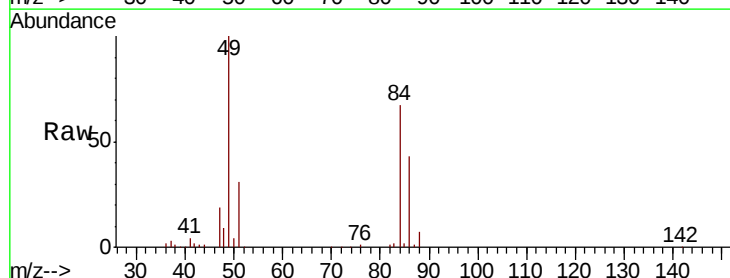
Manual Integrations
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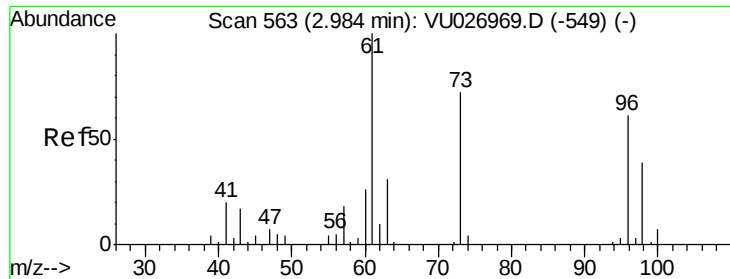
MMDadoda
9/24/2018 2:14:20 PM



#20
Methylene Chloride
Concen: 47.542 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.9	114.9	172.3
51	46.2	35.8	53.8
86	64.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.623 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 64224

Ion Ratio Lower Upper

96 100

61 159.4 131.8 197.6

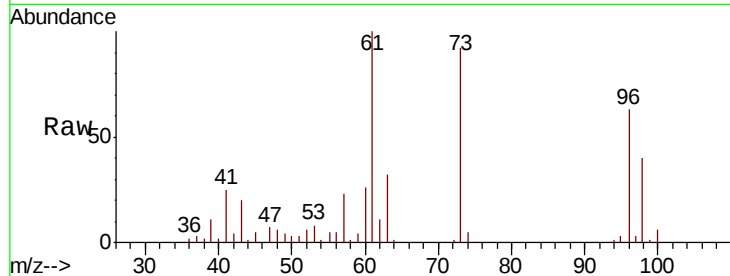
98 63.4 50.9 76.3

Manual Integrations

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MMDadoda

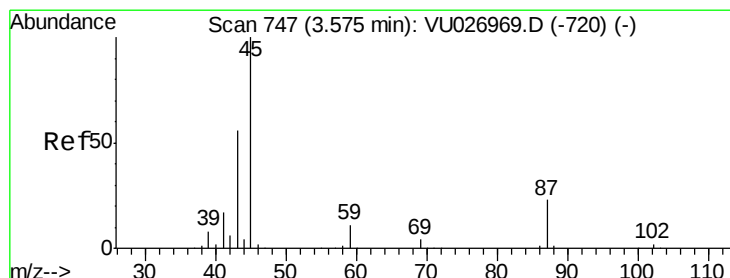
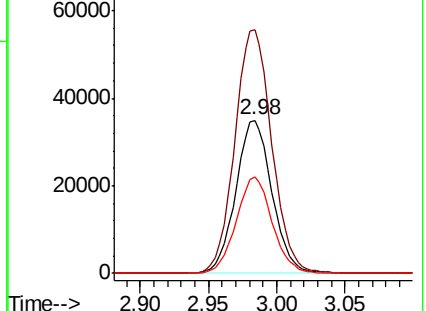
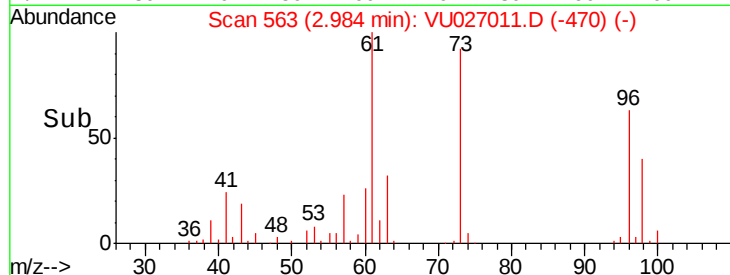
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Abundance Ion 95.90 (95.60 to 96.60): VU027011.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027011.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027011.D (-470) (-)



#22

Diisopropyl ether

Concen: 56.153 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tgt Ion: 45 Resp: 283861

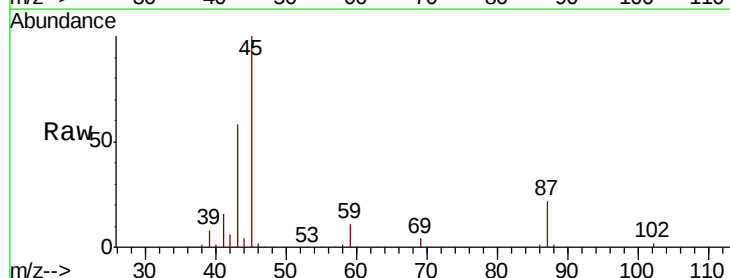
Ion Ratio Lower Upper

45 100

43 56.1 45.8 68.6

87 22.2 18.6 28.0

59 10.9 9.0 13.4

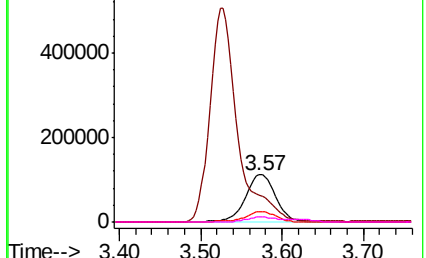
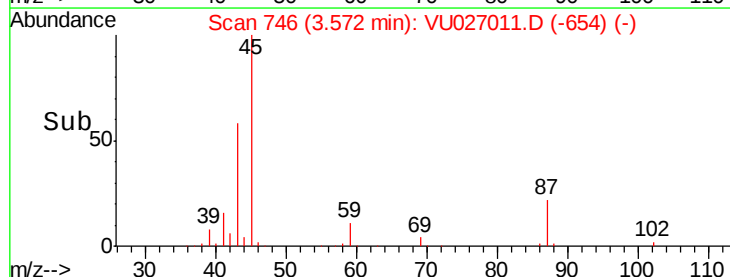


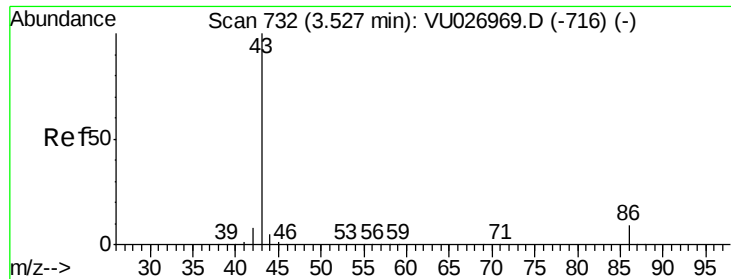
Abundance Ion 45.00 (44.70 to 45.70): VU027011.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU027011.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU027011.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU027011.D (-654) (-)





#23

Vinyl Acetate

Concen: 279.699 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tot Ion: 43 Resp: 1205243

Ion Ratio Lower Upper

43 100

86 8.6 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

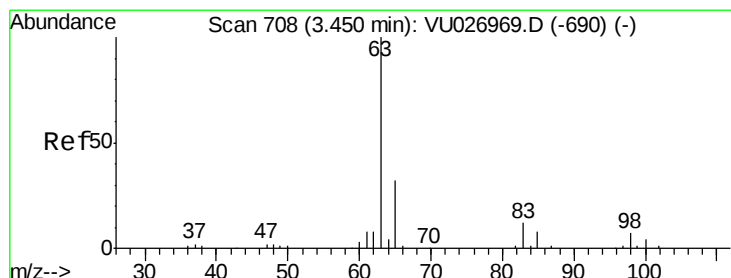
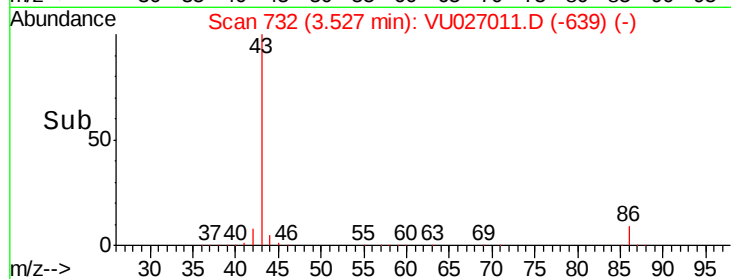
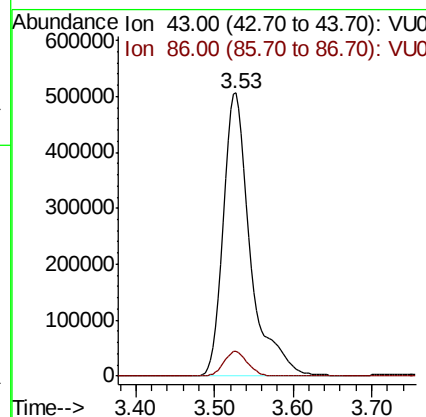
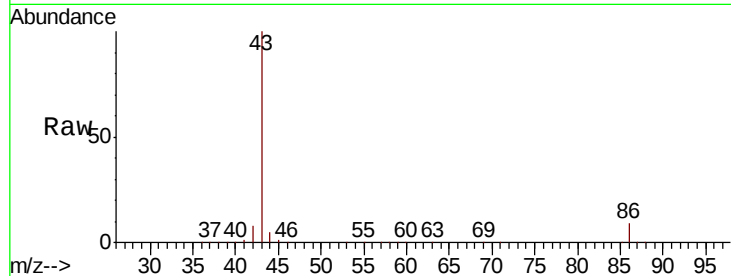
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.577 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

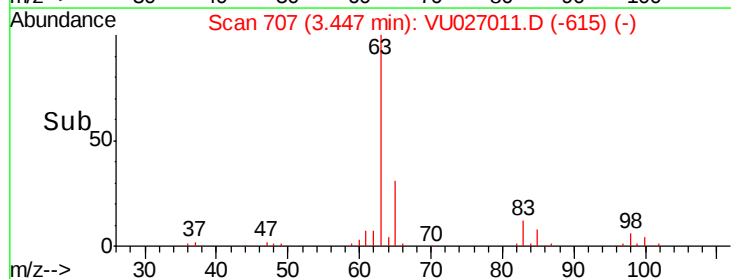
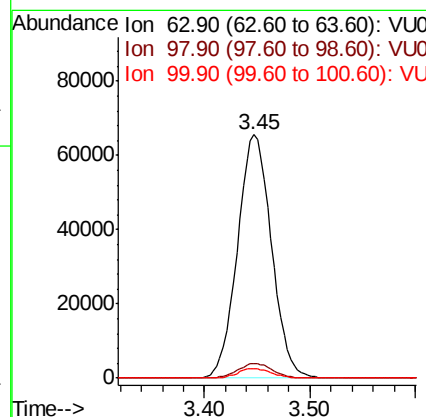
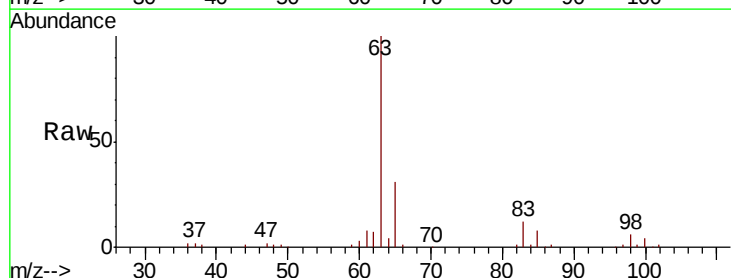
Tgt Ion: 63 Resp: 146382

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 253.413 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 361624

Ion Ratio Lower Upper

43 100

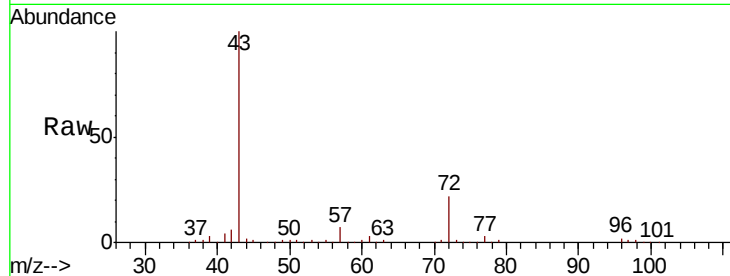
72 22.2 18.4 27.6

Manual Integrations

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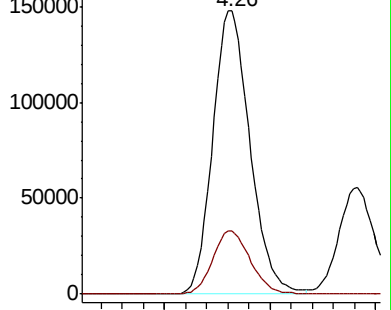
MMDadoda

9/24/2018 2:14:20 PM

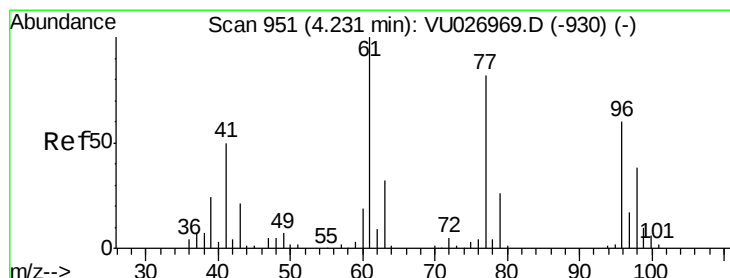
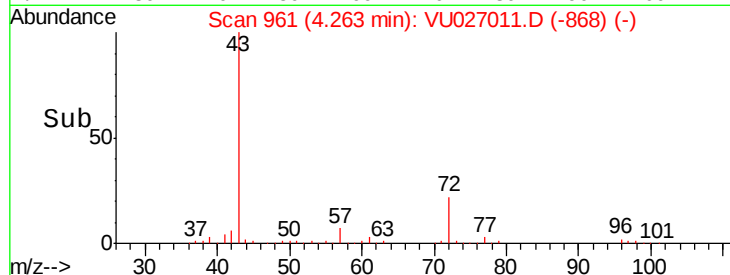


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time-->



#26

2,2-Dichloropropane

Concen: 34.247 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027011.D

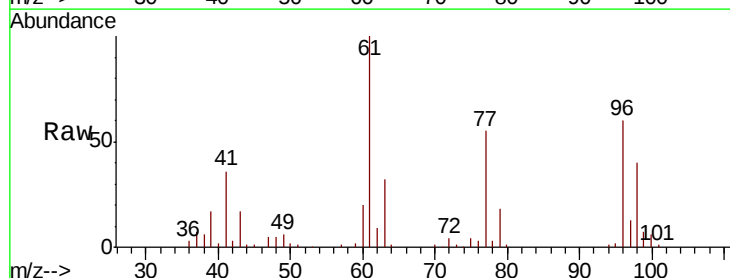
Acq: 22 Sep 2018 10:47

Tgt Ion: 77 Resp: 74361

Ion Ratio Lower Upper

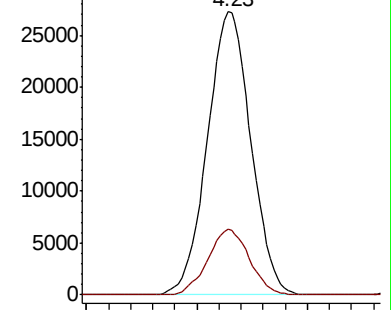
77 100

97 22.1 10.5 31.5

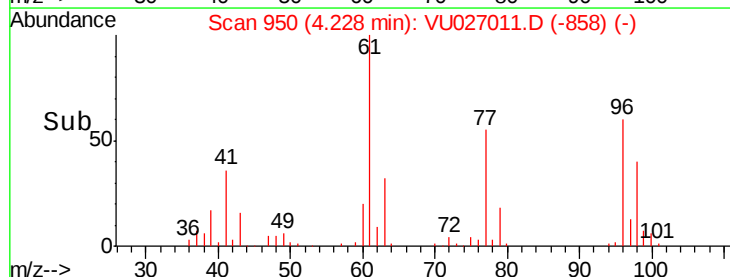


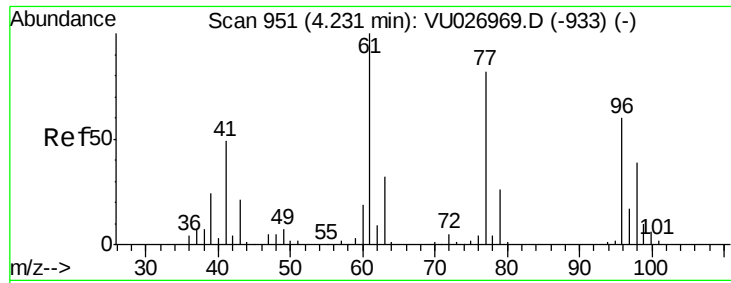
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->





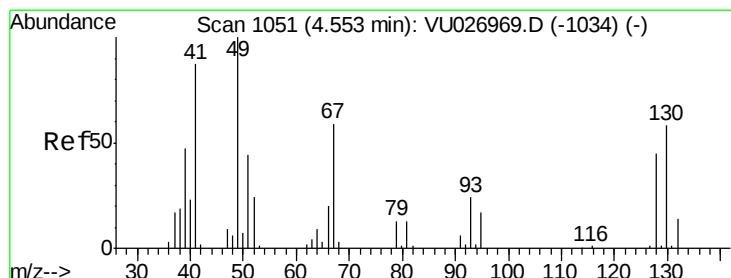
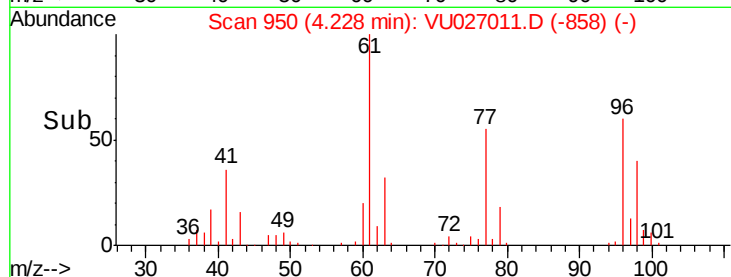
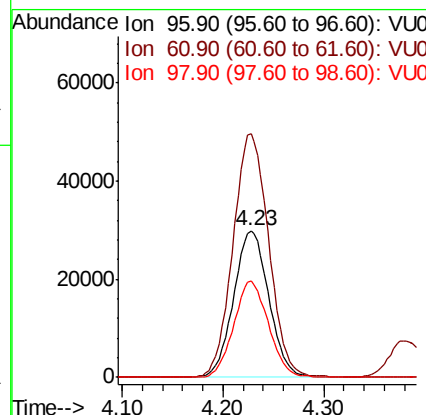
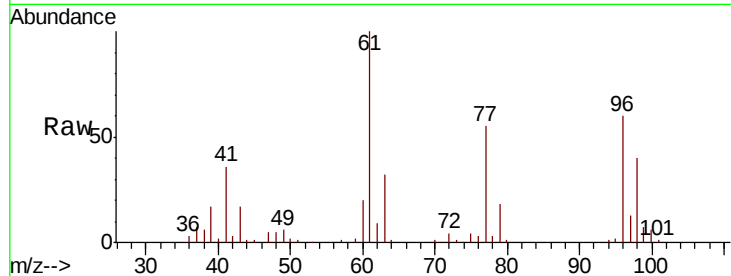
#27
 cis-1,2-Dichloroethene
 Concen: 51.538 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.7	0.0	337.2
98	64.9	0.0	127.6

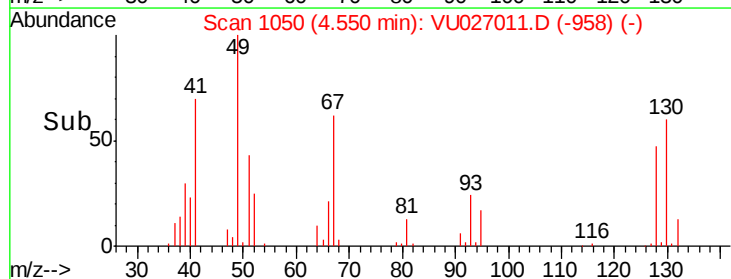
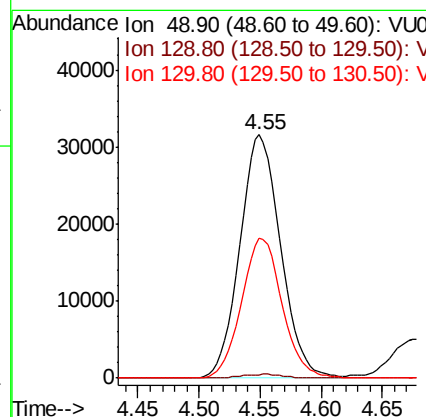
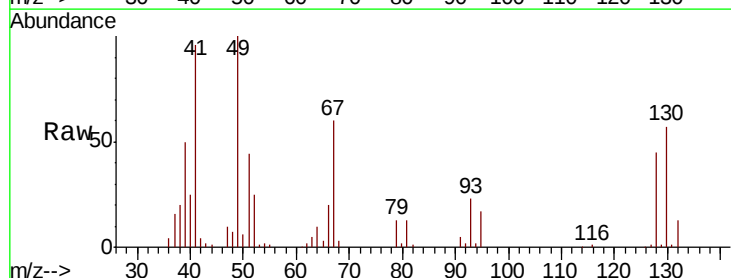
Manual Integrations
 APPROVED

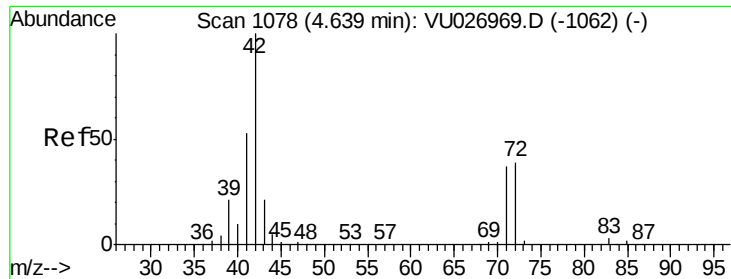
MMDadoda
 9/24/2018 2:14:20 PM



#28
 Bromochloromethane
 Concen: 54.411 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	57.2	47.8	71.8





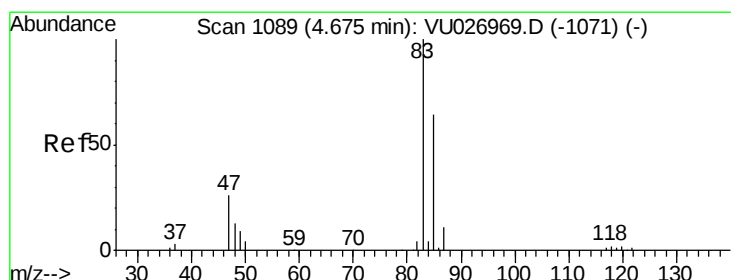
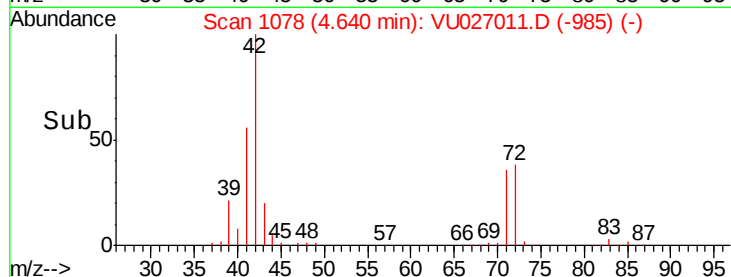
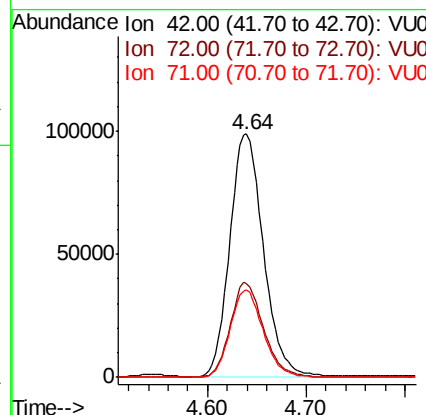
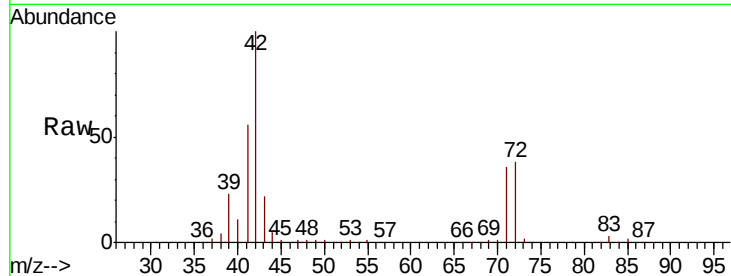
#29
Tetrahydrofuran
Concen: 272.735 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.7	47.5
71	35.4	29.6	44.4

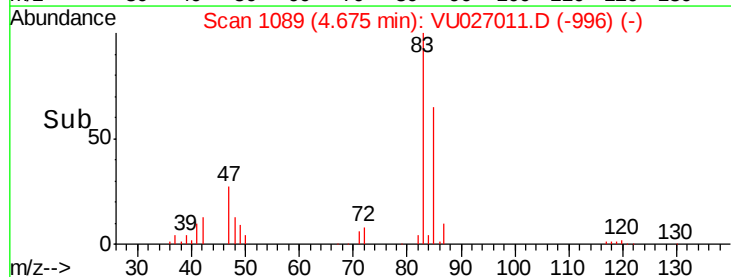
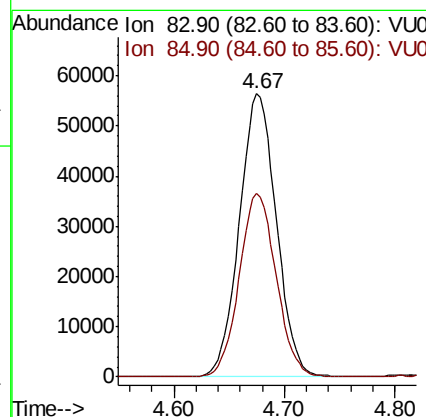
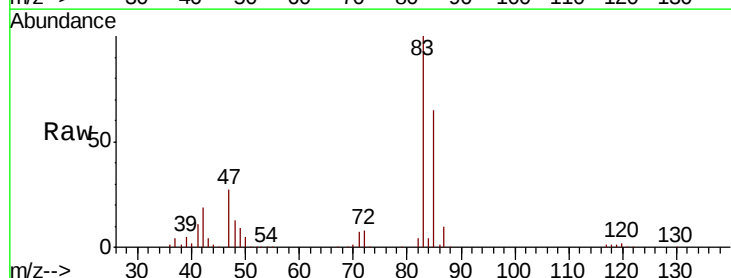
Manual Integrations
APPROVED

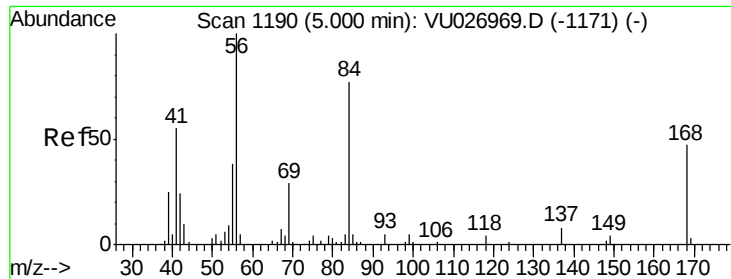
MMDadoda
9/24/2018 2:14:20 PM



#30
Chloroform
Concen: 50.693 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





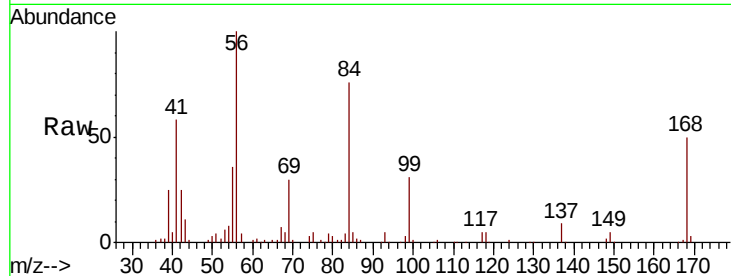
#31
Cyclohexane
Concen: 53.260 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.0	34.4
84	75.4	61.4	92.2

Manual Integrations
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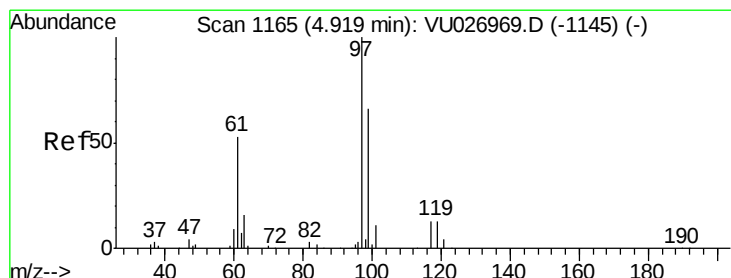
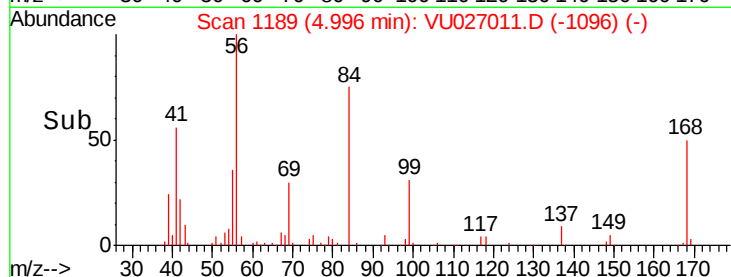
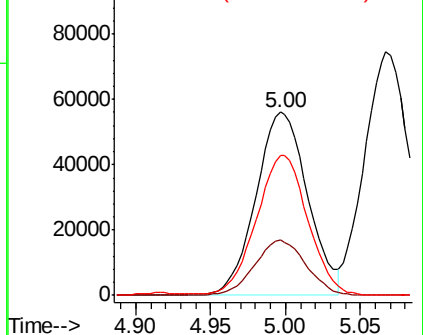


Abundance

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: 51.586 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

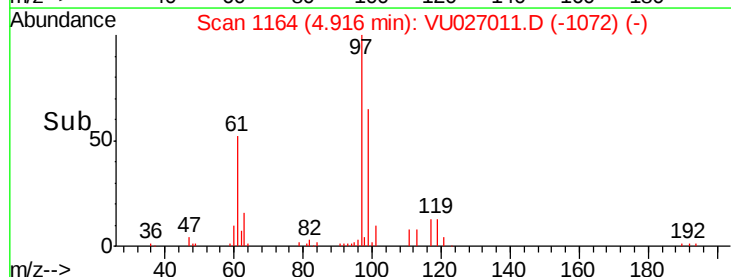
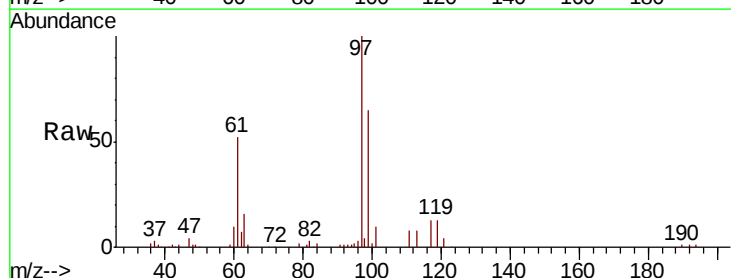
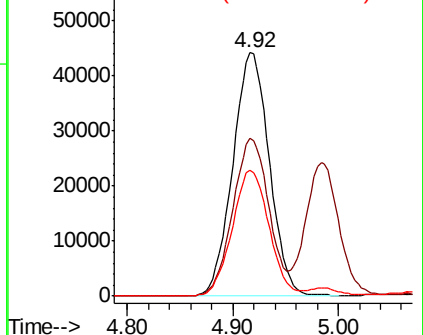
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	52.1	41.1	61.7

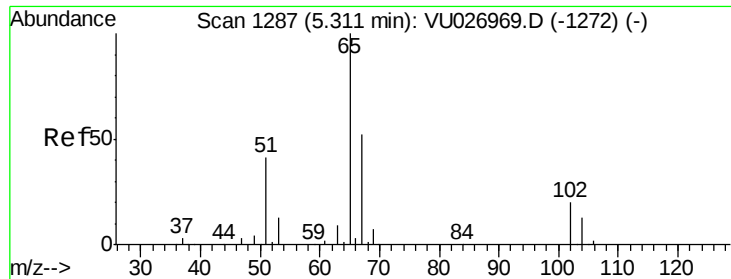
Abundance

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





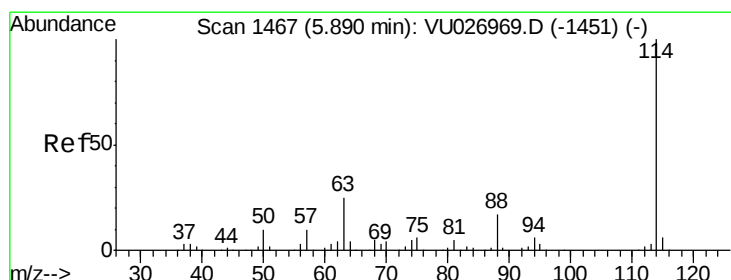
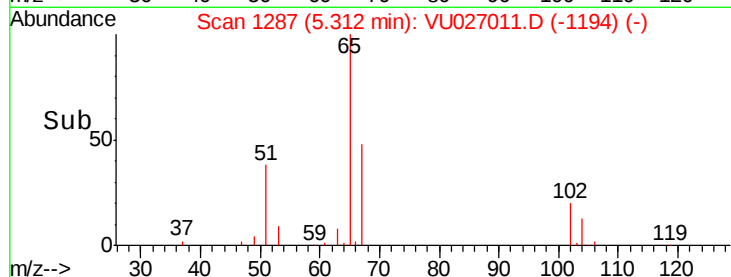
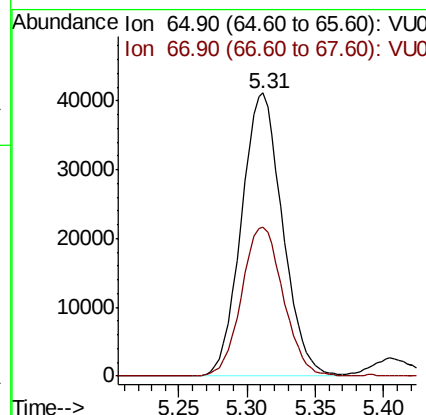
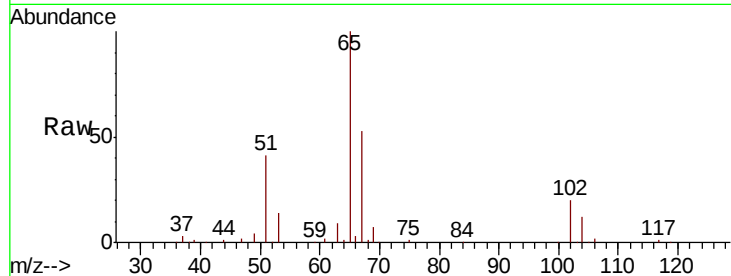
#33
 1,2-Dichloroethane-d4
 Concen: 50.709 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

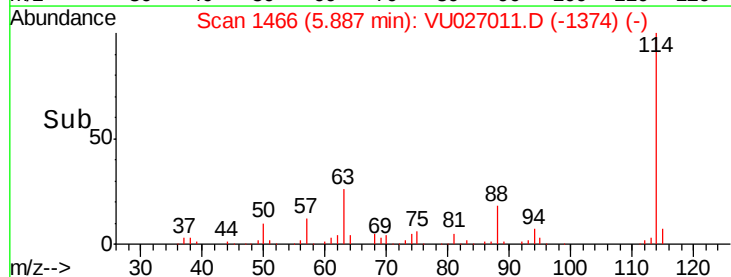
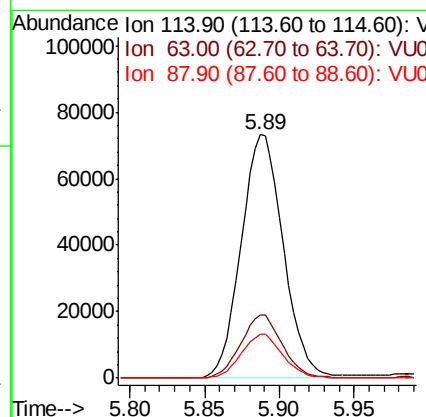
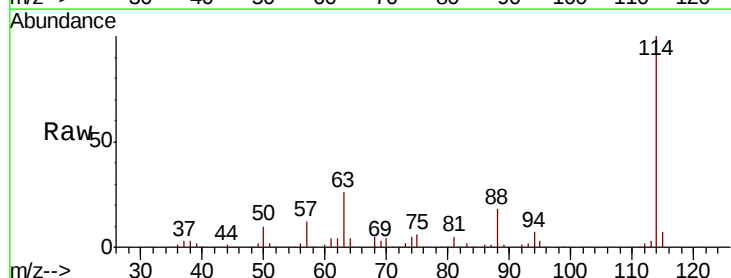
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	0.0	49.2
88	17.9	0.0	33.8





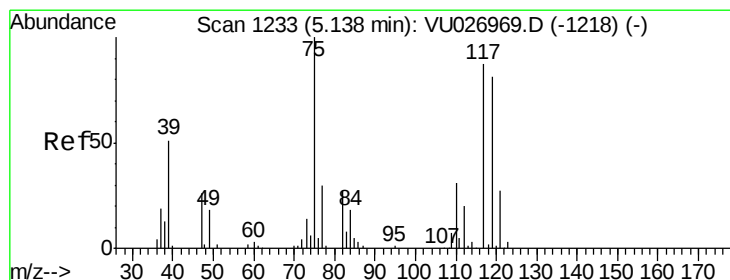
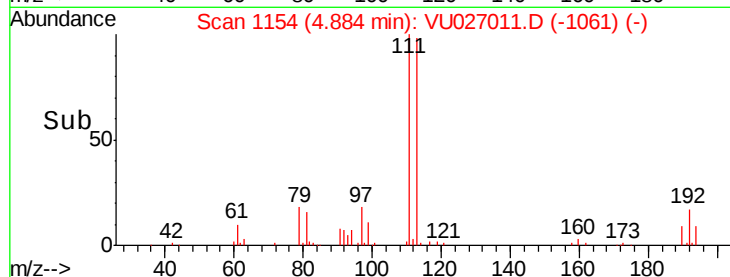
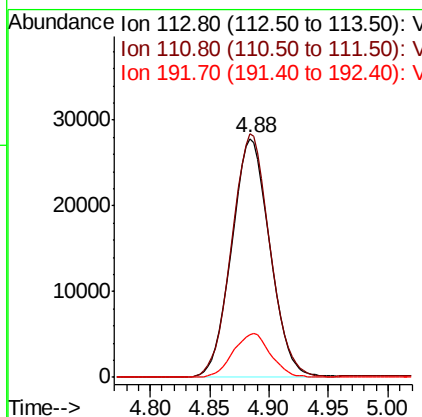
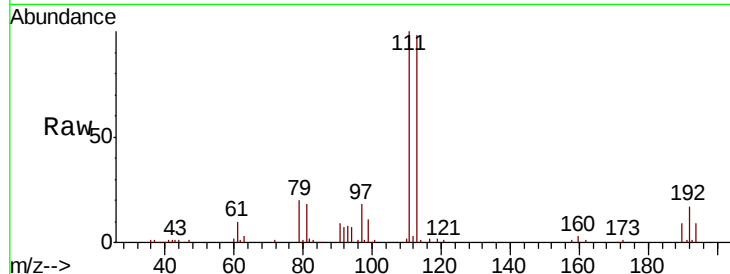
#35
 Dibromofluoromethane
 Concen: 49.809 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	18.1	15.2	22.8

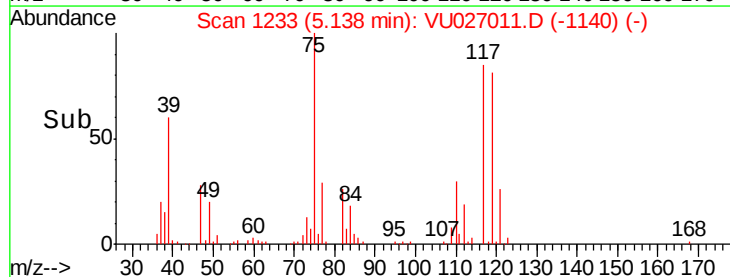
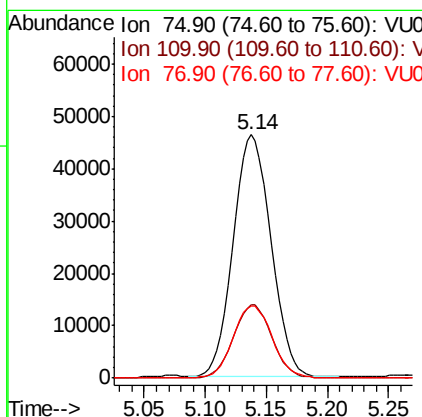
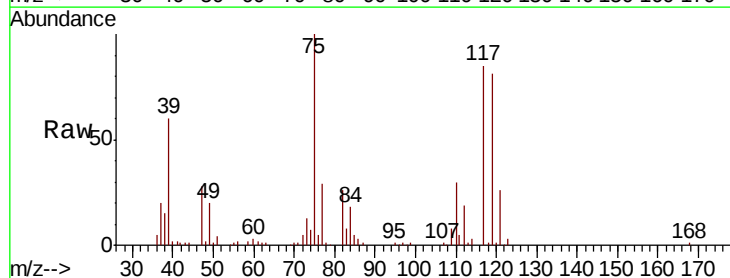
Manual Integrations
 APPROVED

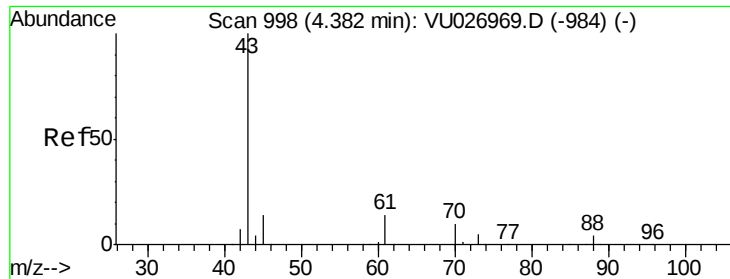
MMDadoda
 9/24/2018 2:14:20 PM



#36
 1,1-Dichloropropene
 Concen: 51.869 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.1	48.2
77	30.9	24.6	36.8





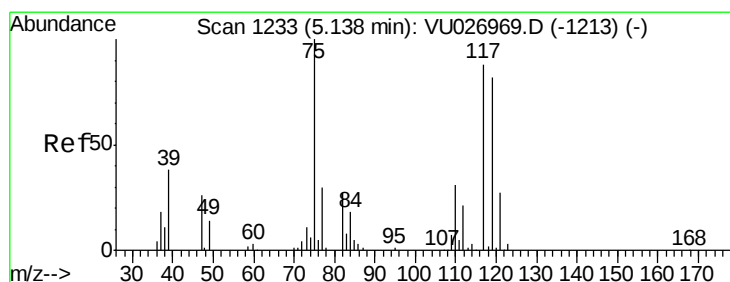
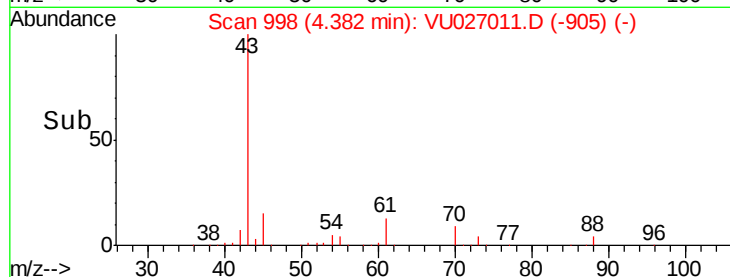
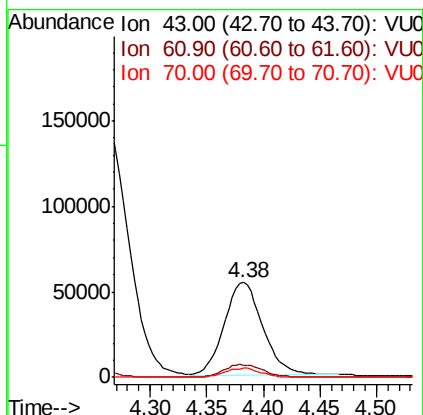
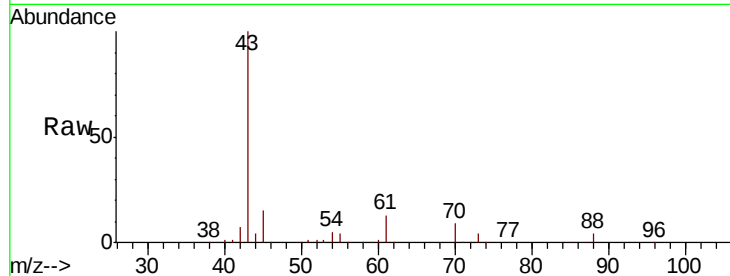
#37
Ethyl Acetate
Concen: 50.116 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.4	7.4	11.0

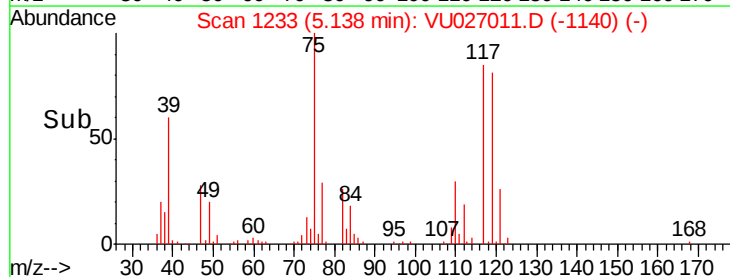
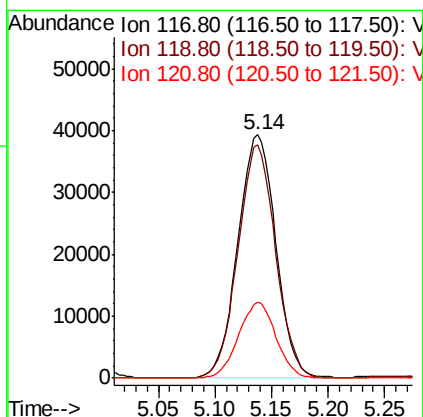
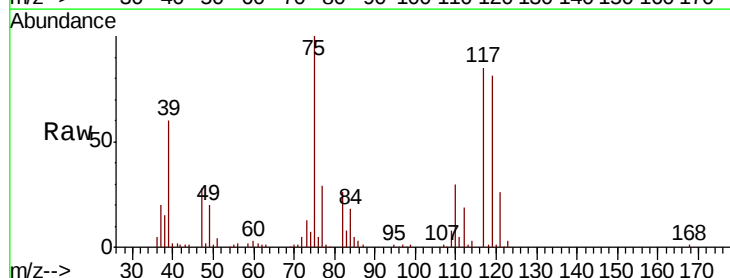
Manual Integrations
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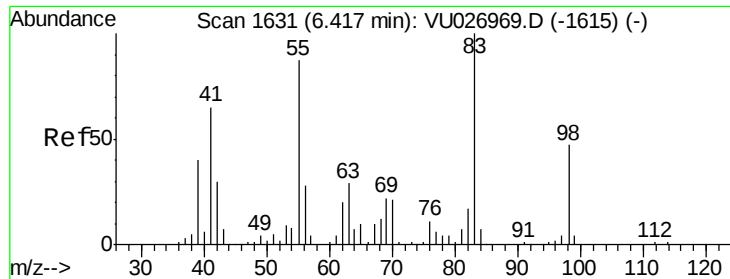
MMDadoda
9/24/2018 2:14:20 PM



#38
Carbon Tetrachloride
Concen: 50.364 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.4	111.6
121	31.2	24.2	36.4





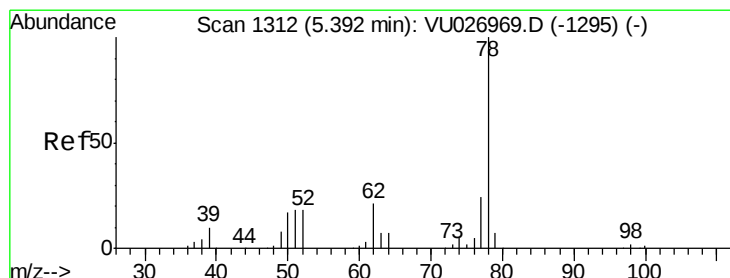
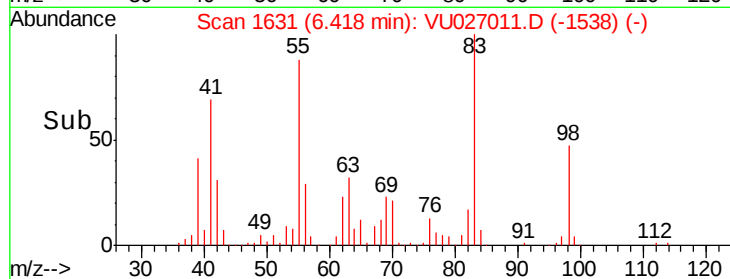
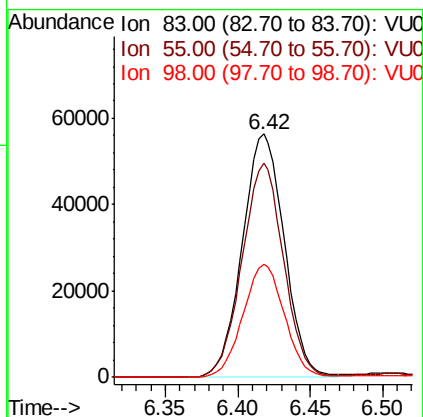
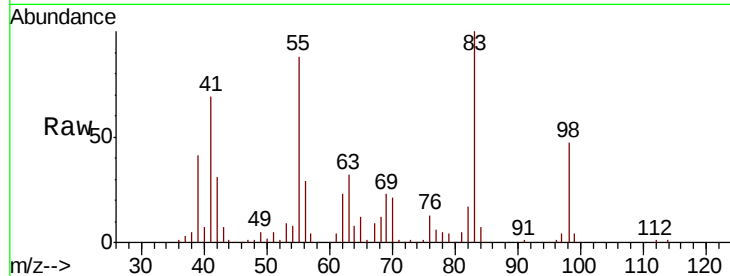
#39
Methvlcvclohexane
Concen: 54.382 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.9	69.9	104.9
98	46.6	37.5	56.3

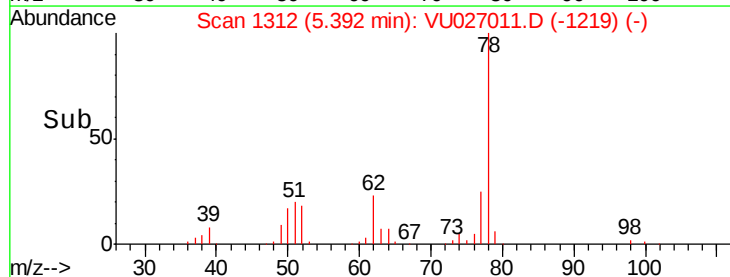
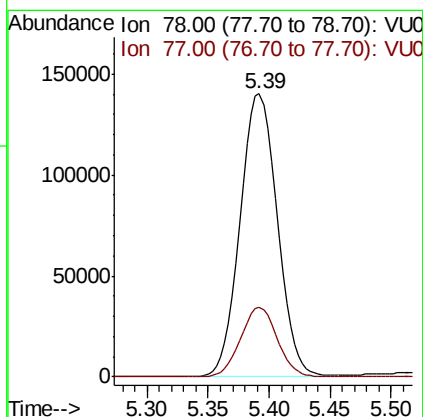
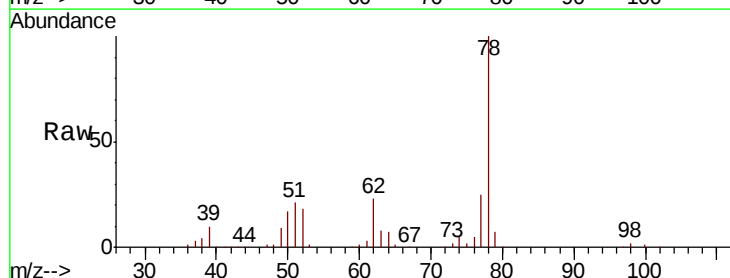
Manual Integrations
APPROVED

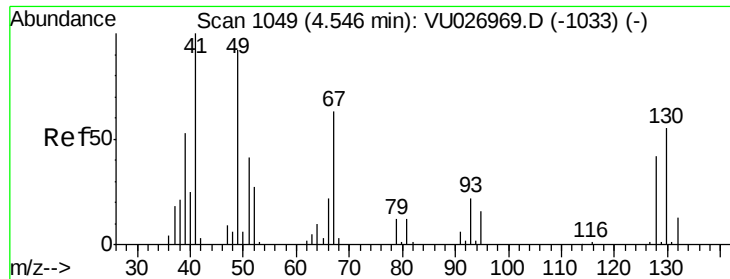
MMDadoda
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#40
Benzene
Concen: 50.909 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





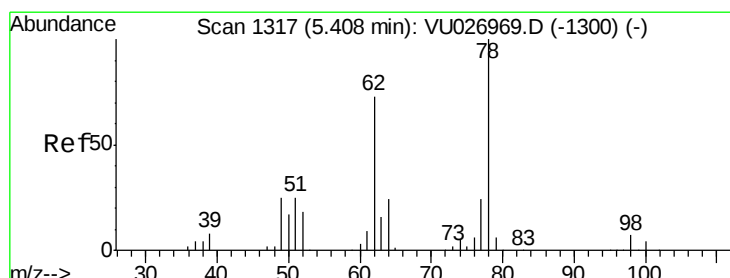
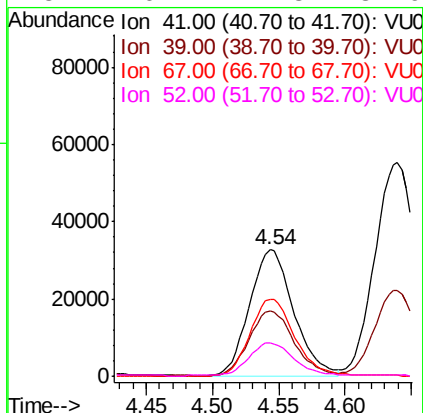
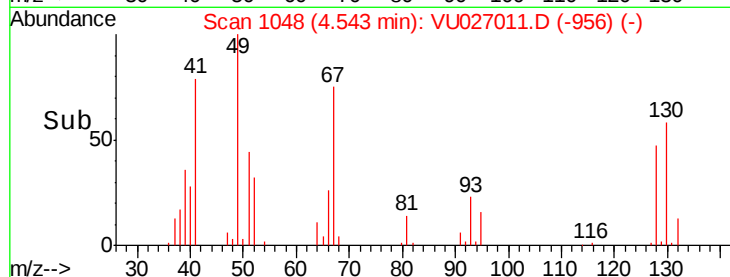
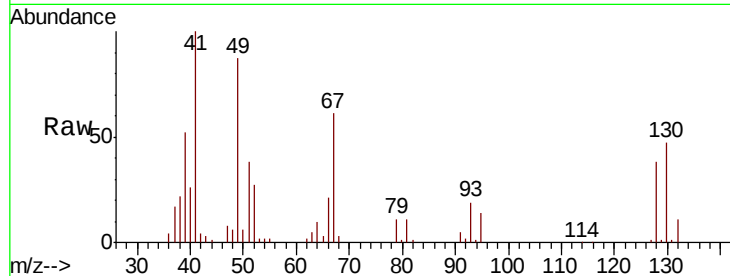
#41
Methacrylonitrile
Concen: 55.973 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	42.9	64.3	
67	62.4	52.4	78.6	
52	26.1	21.3	31.9	

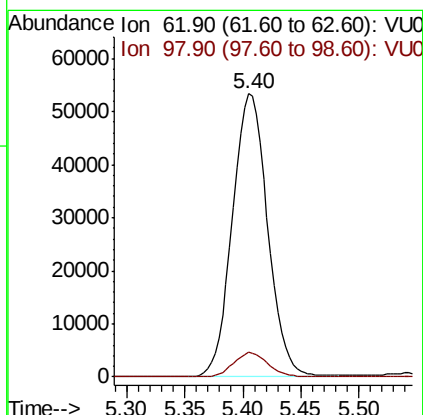
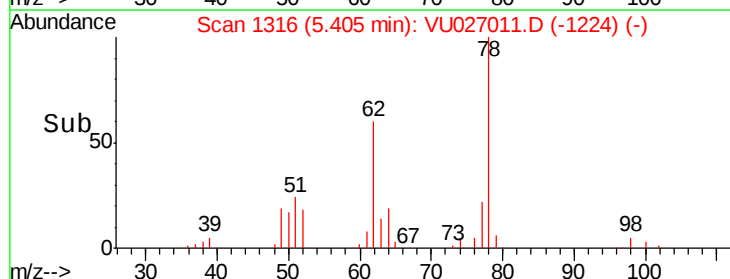
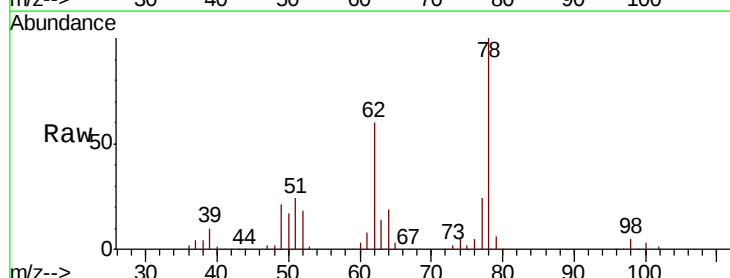
Manual Integrations
APPROVED

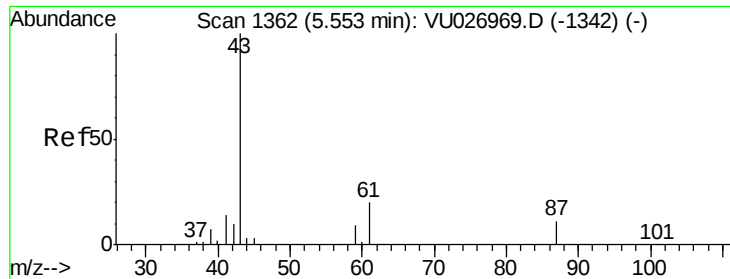
MMDadoda
9/24/2018 2:14:20 PM



#42
1,2-Dichloroethane
Concen: 51.375 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





#43

Isopropyl Acetate

Concen: 53.717 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

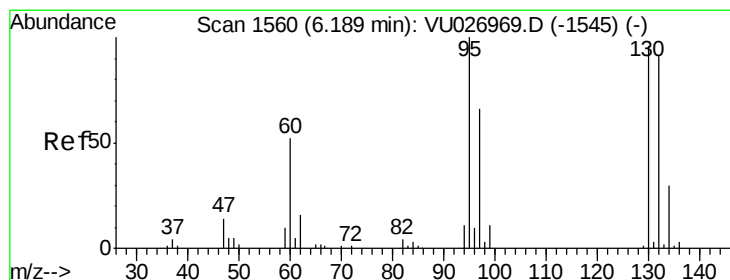
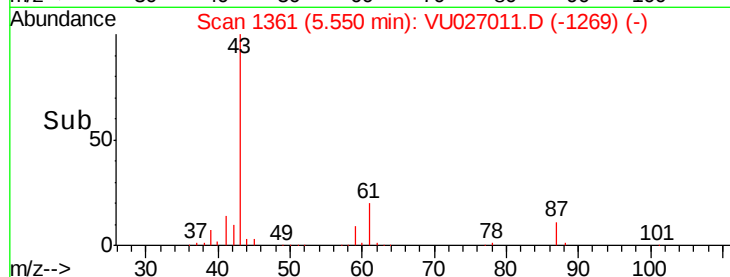
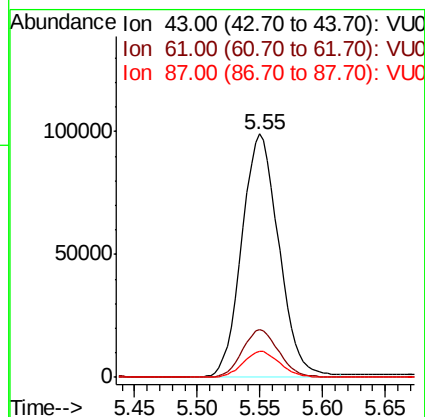
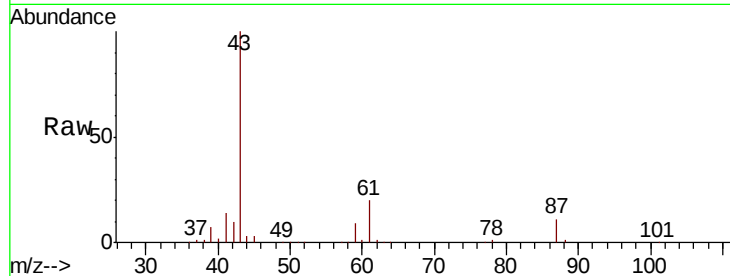
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	203487
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.7	23.5
87	10.7	9.0	13.4

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#44

Trichloroethene

Concen: 50.223 ug/l

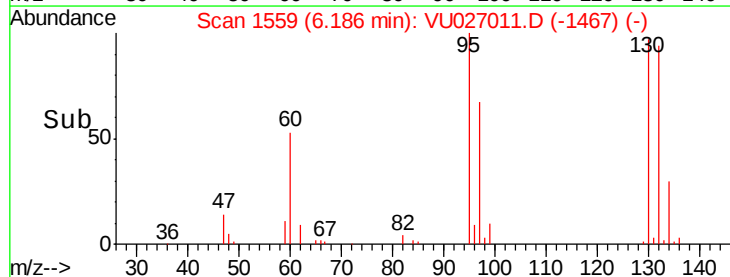
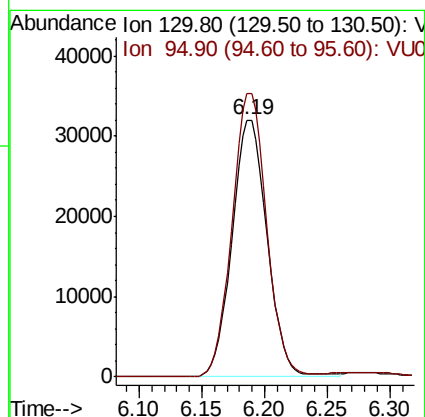
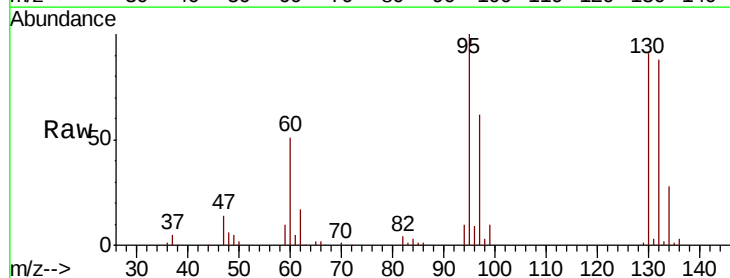
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tgt Ion:	130	Resp:	62366
Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	208.8





#45

1,2-Dichloropropane

Concen: 51.801 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 86095

Ion Ratio Lower Upper

63 100

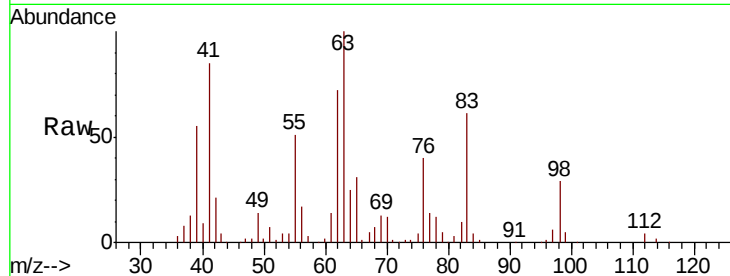
65 30.9 24.3 36.5

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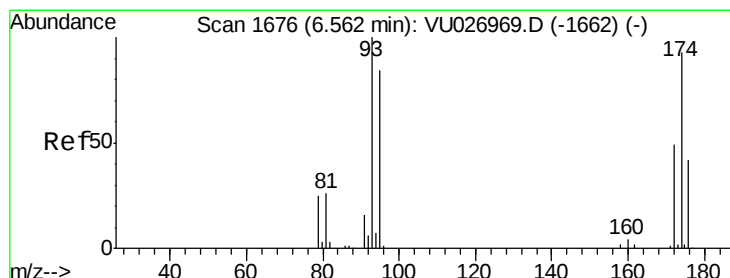
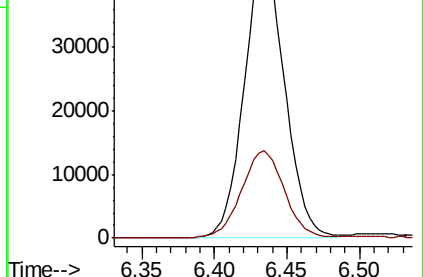
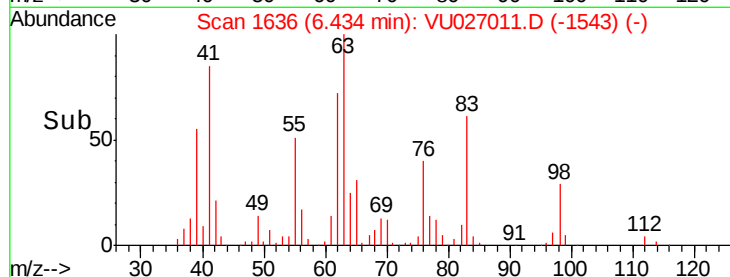


Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1621) (-)

Ion 64.90 (64.60 to 65.60): VU026969.D (-1621) (-)

6.43

Time-->



#46

Dibromomethane

Concen: 50.575 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

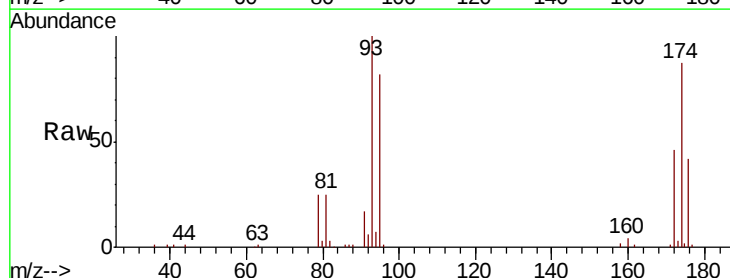
Tgt Ion: 93 Resp: 50766

Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.4

174 86.9 71.7 107.5



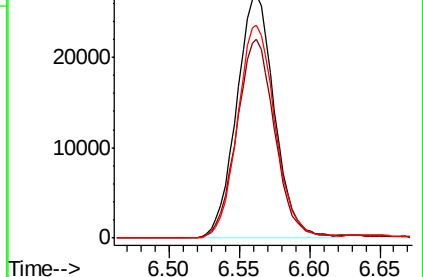
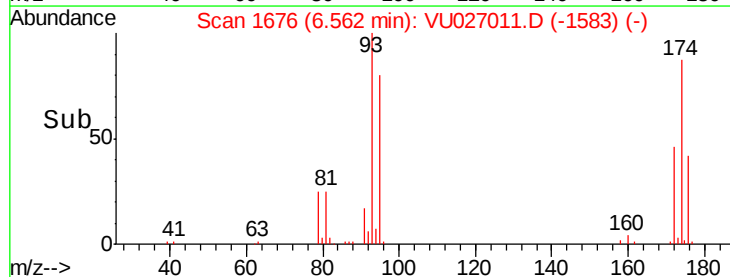
Abundance Ion 92.80 (92.50 to 93.50): VU026969.D (-1662) (-)

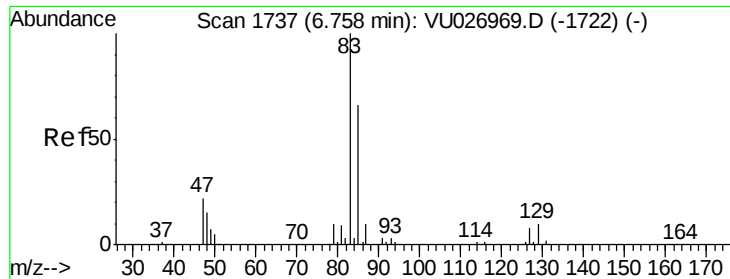
Ion 94.80 (94.50 to 95.50): VU026969.D (-1662) (-)

Ion 173.70 (173.40 to 174.40): VU026969.D (-1662) (-)

6.56

Time-->





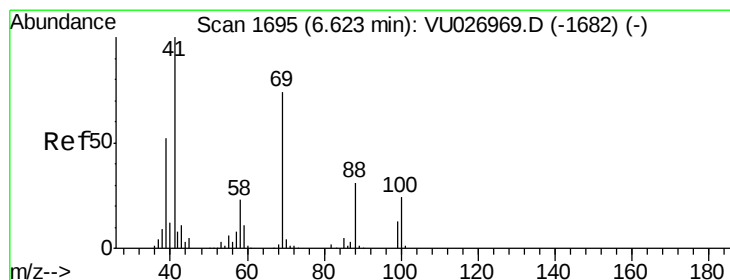
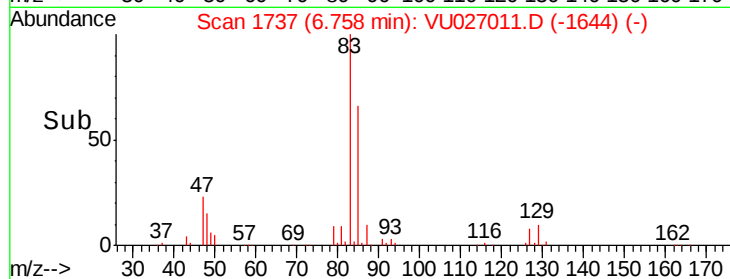
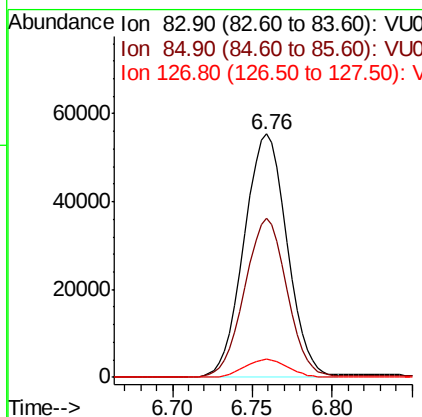
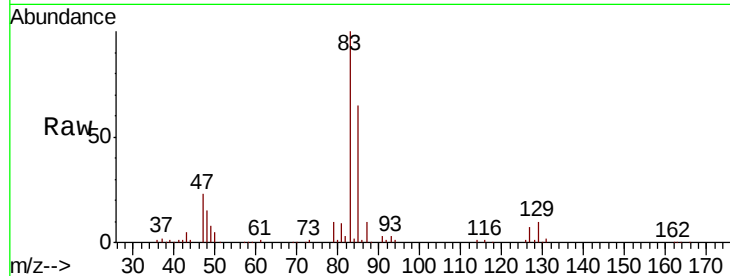
#47
 Bromodichloromethane
 Concen: 50.431 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	102359
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.5	78.7
127	7.5	6.3	9.5

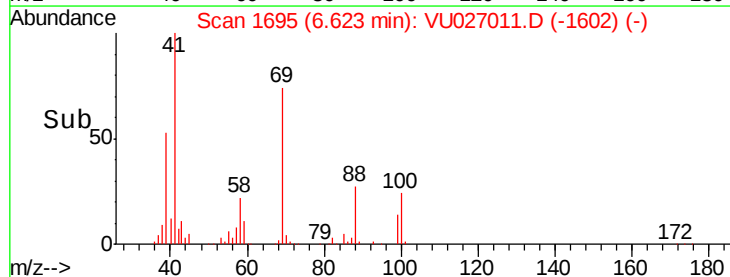
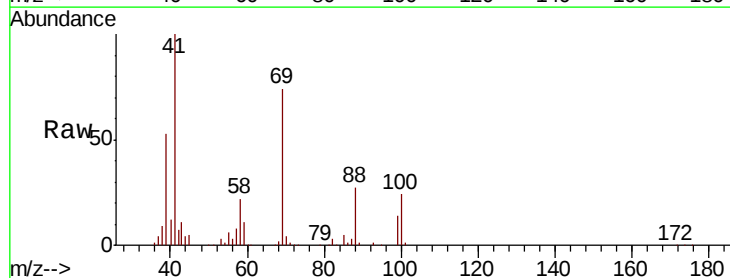
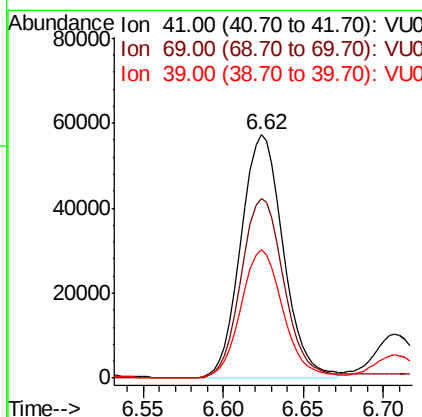
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#48
 Methyl methacrylate
 Concen: 50.213 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	41	Resp	103538
Ion Ratio	Lower	Upper	
41	100		
69	75.7	60.6	90.8
39	52.9	42.8	64.2





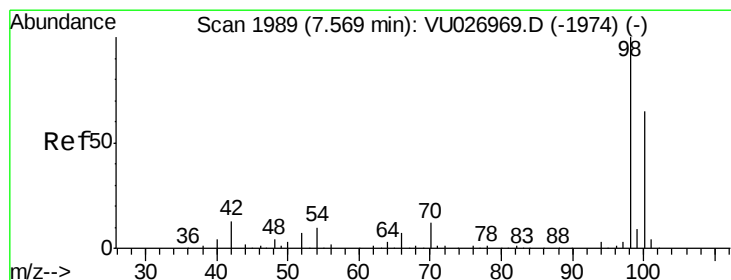
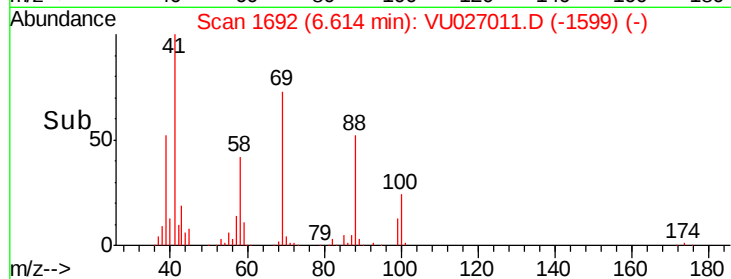
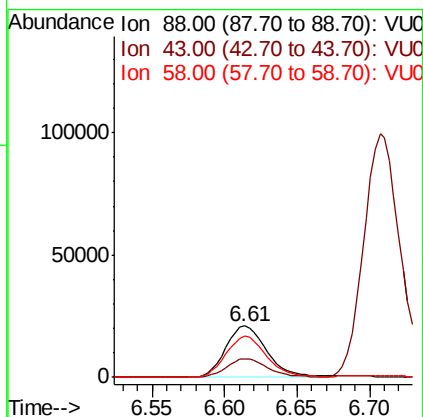
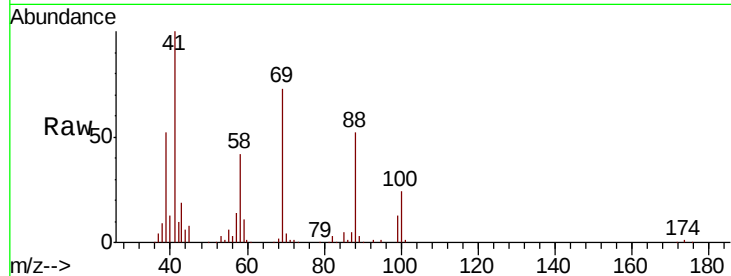
#49
1,4-Dioxane
Concen: 1015.129 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.8	44.8
58	79.0	63.9	95.9

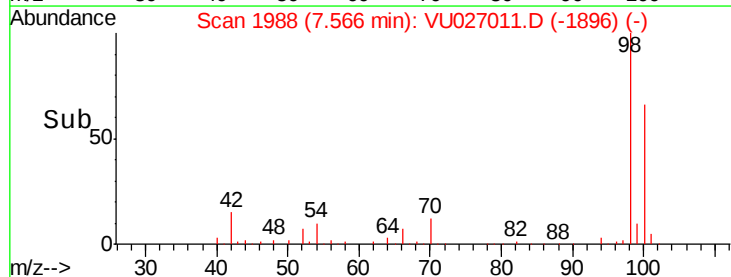
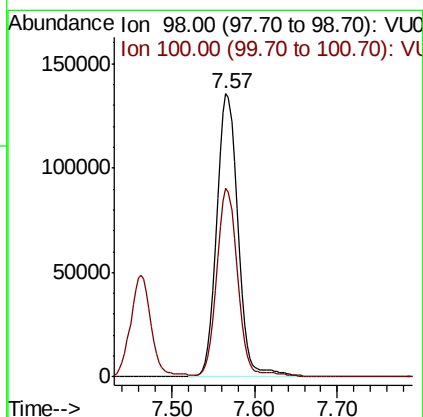
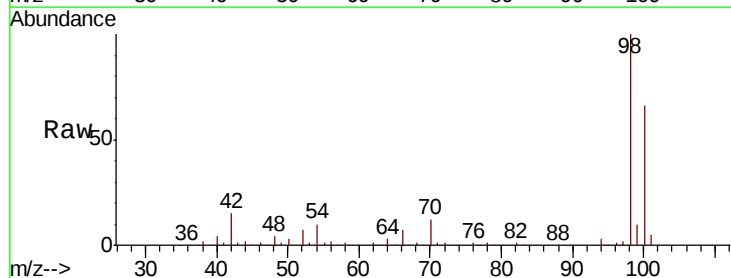
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#50
Toluene-d8
Concen: 50.789 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 275.340 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 701496

Ion Ratio Lower Upper

43 100

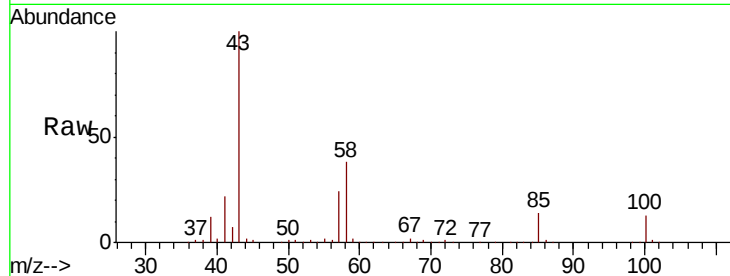
58 37.5 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

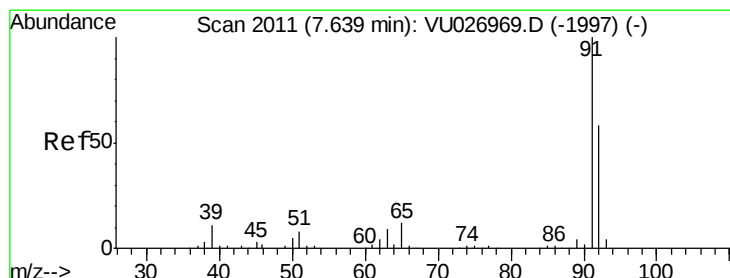
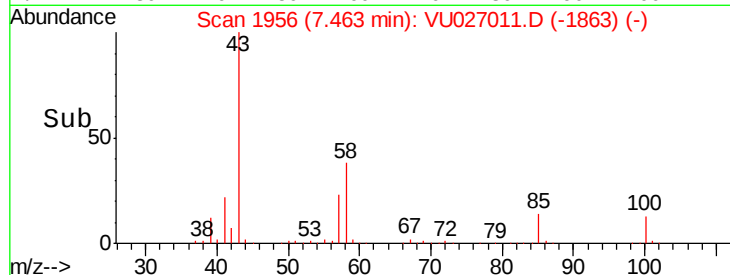
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.571 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027011.D

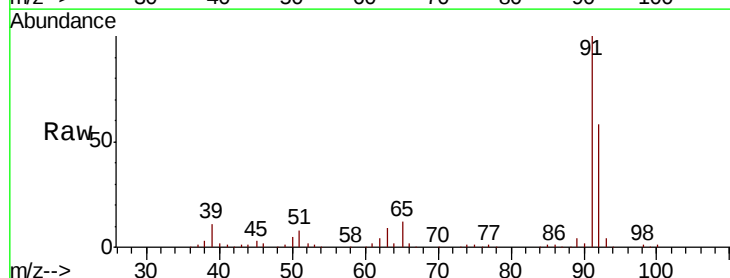
Acq: 22 Sep 2018 10:47

Tgt Ion: 92 Resp: 179114

Ion Ratio Lower Upper

92 100

91 168.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

7.64

200000

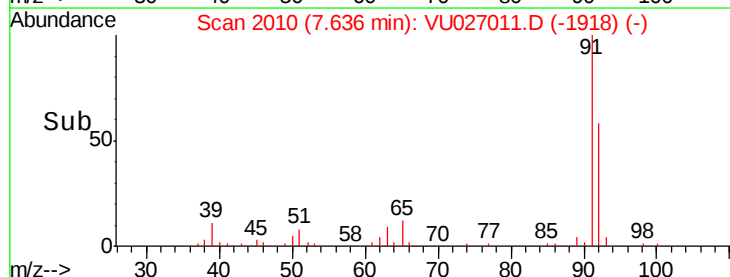
150000

100000

50000

0

Time-->





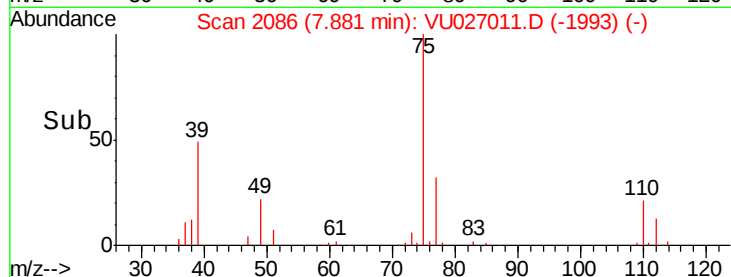
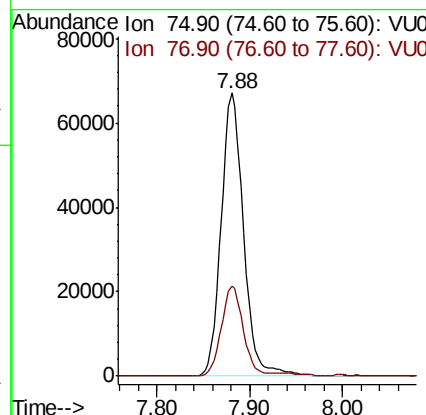
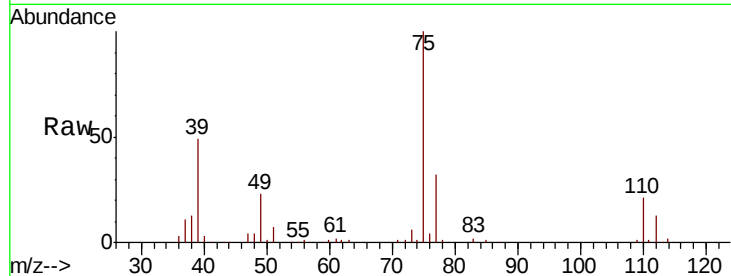
#53
t-1,3-Dichloropropene
Concen: 51.706 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

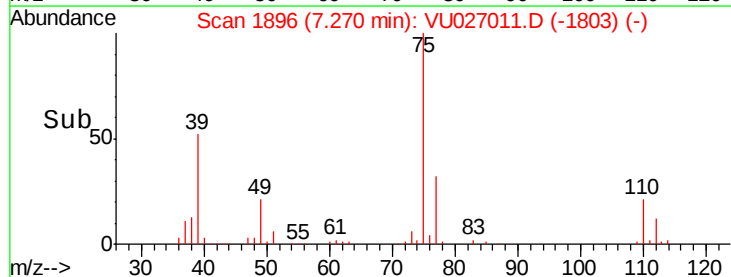
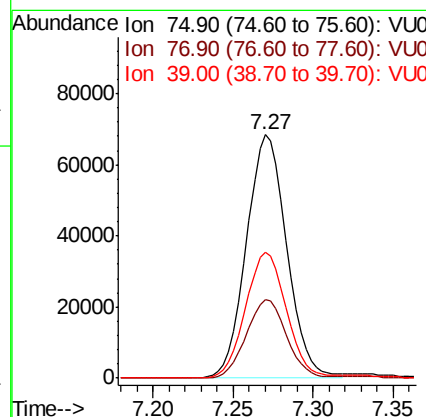
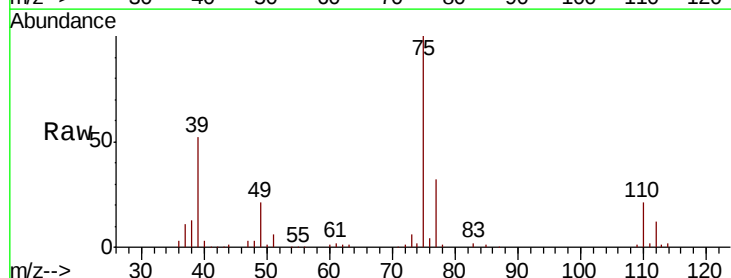
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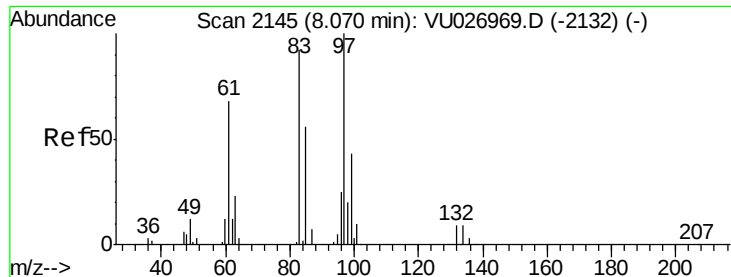
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#54
cis-1,3-Dichloropropene
Concen: 49.442 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.0
39	51.8	41.6	62.4





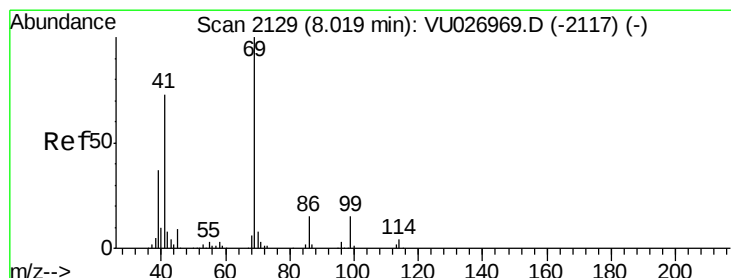
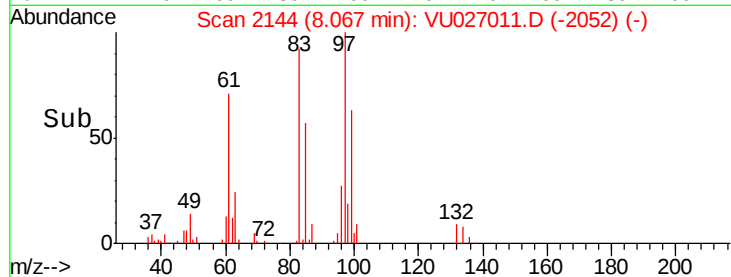
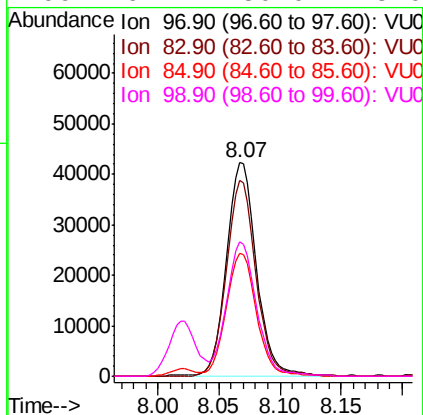
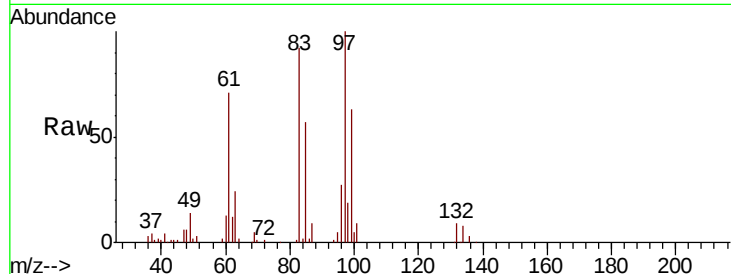
#55
 1,1,2-Trichloroethane
 Concen: 51.537 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73014
Ion	Ratio	Lower	Upper
97	100		
83	91.6	73.1	109.7
85	57.4	46.7	70.1
99	62.7	50.0	75.0

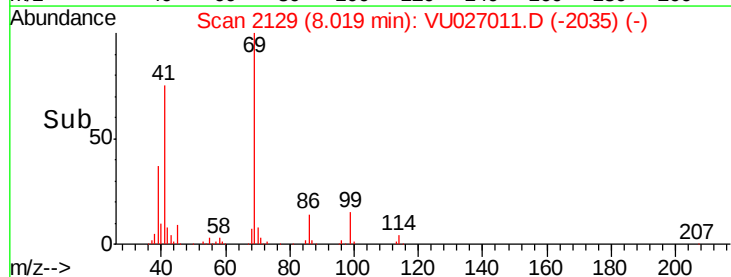
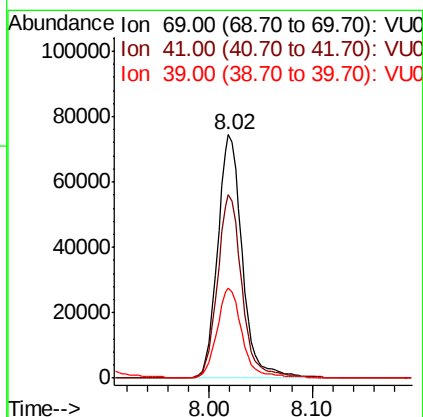
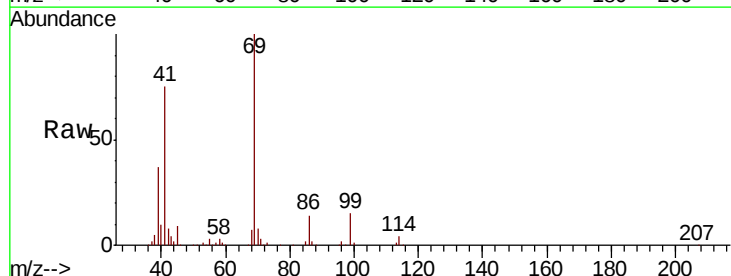
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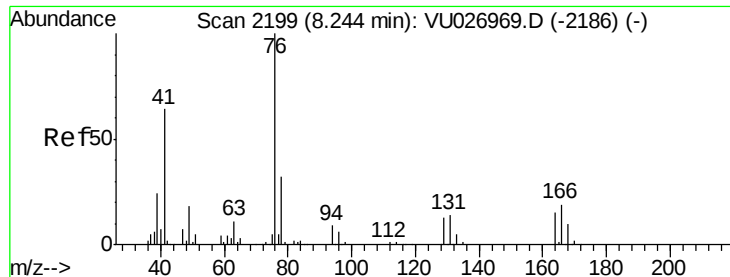
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#56
 Ethyl methacrylate
 Concen: 50.255 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion:	69	Resp:	123563
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.0	88.4
39	37.5	30.2	45.4





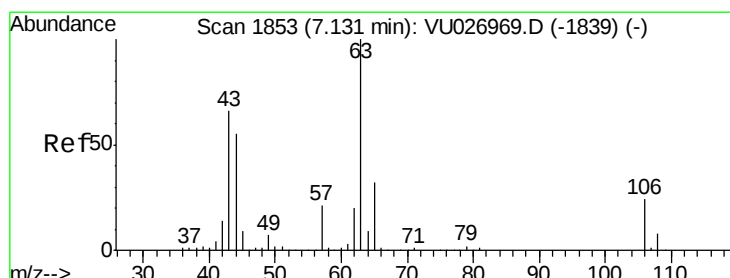
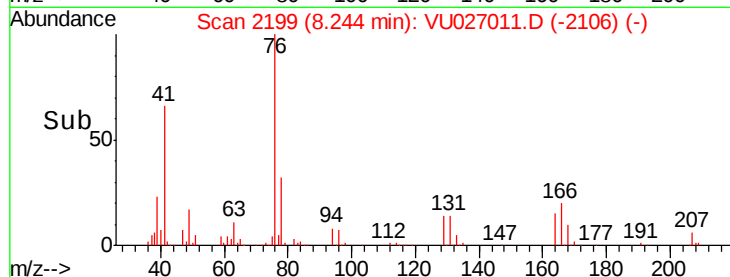
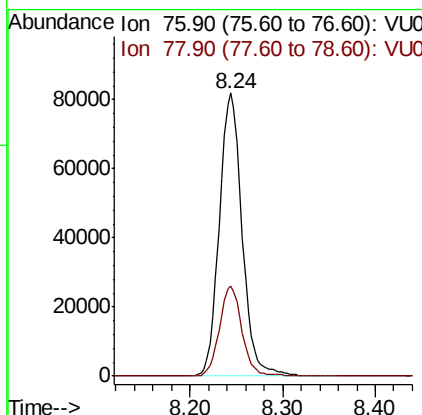
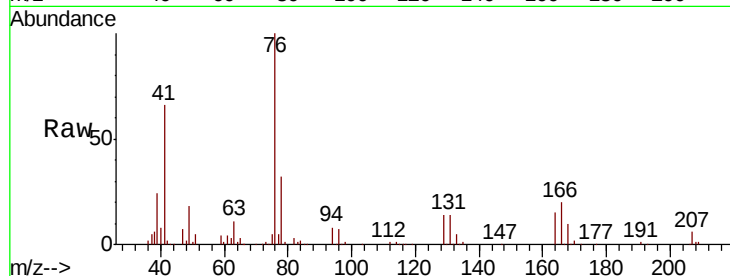
#57
 1,3-Dichloropropane
 Concen: 53.002 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

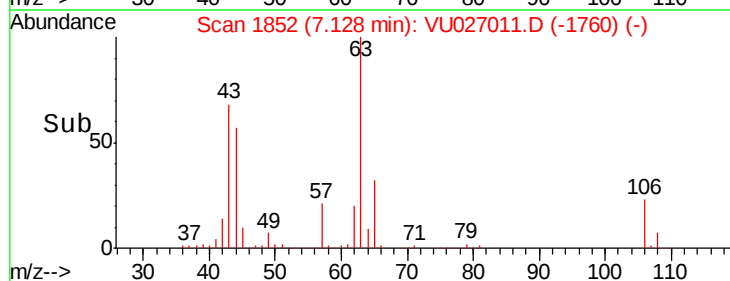
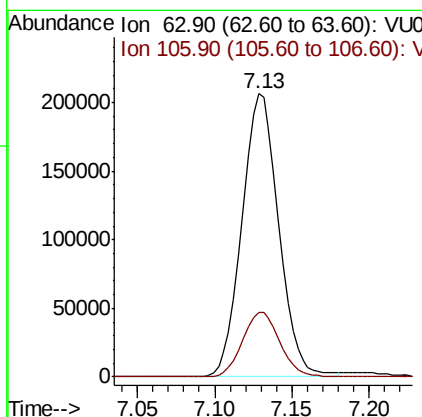
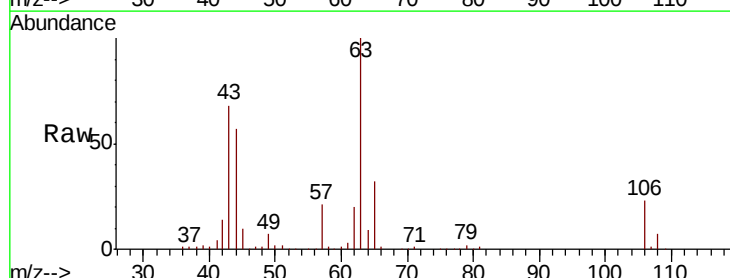
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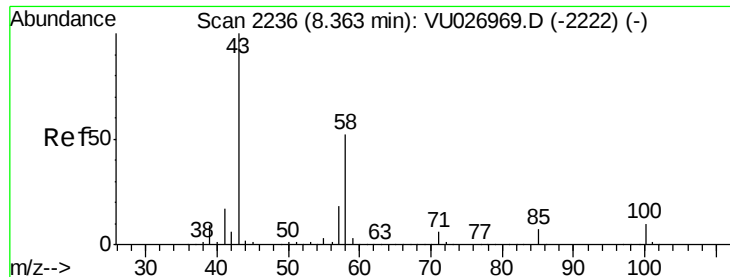
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#58
 2-Chloroethyl Vinyl ether
 Concen: 245.453 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.0	18.7	28.1





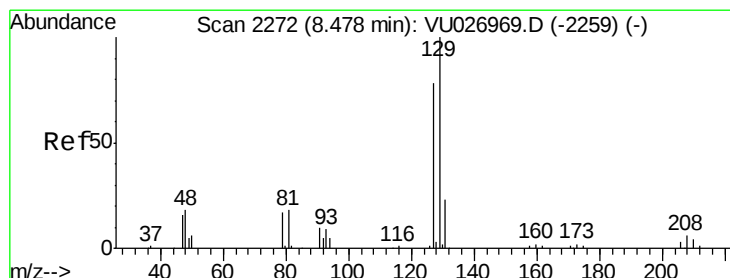
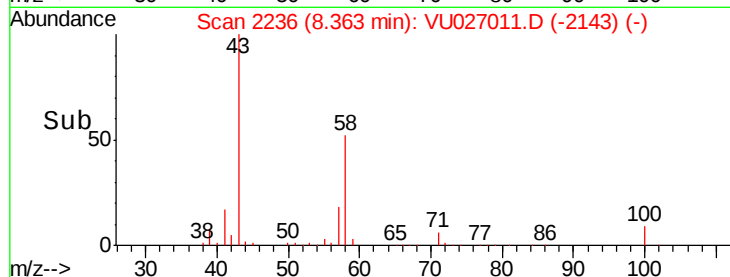
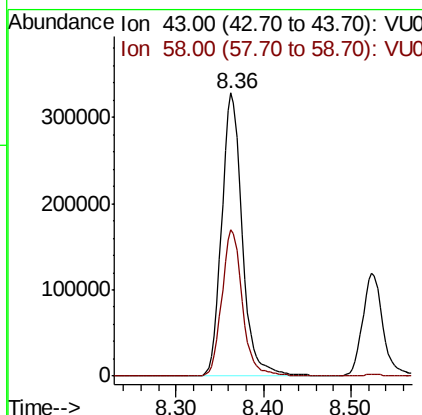
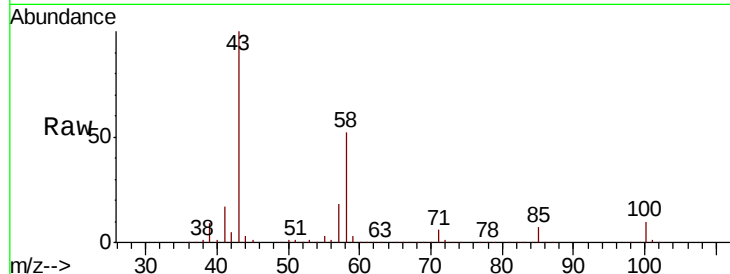
#59
2-Hexanone
Concen: 269.533 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	26.1	78.2

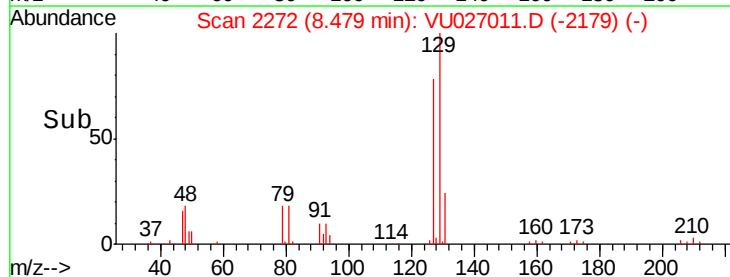
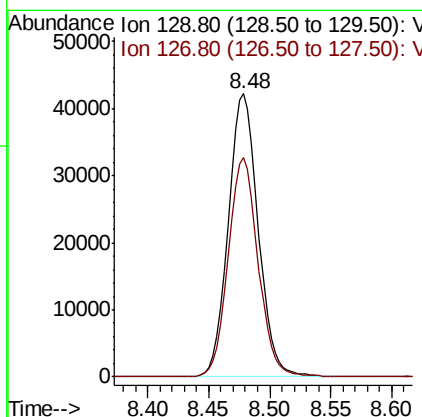
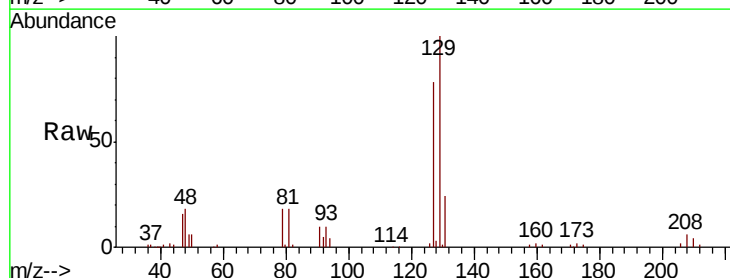
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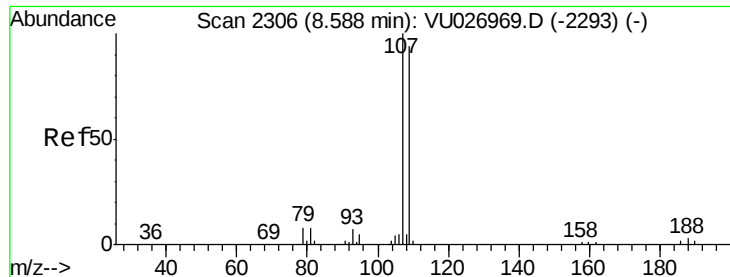
MMDadoda
9/24/2018 2:14:20 PM



#60
Dibromochloromethane
Concen: 52.077 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5





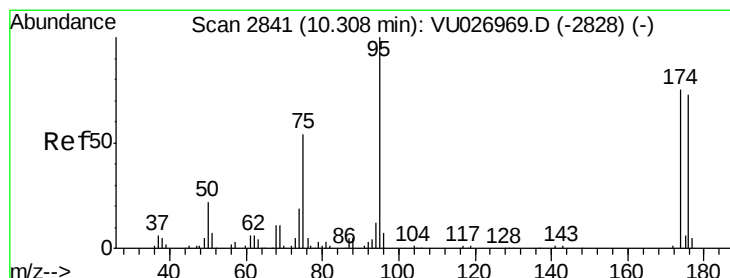
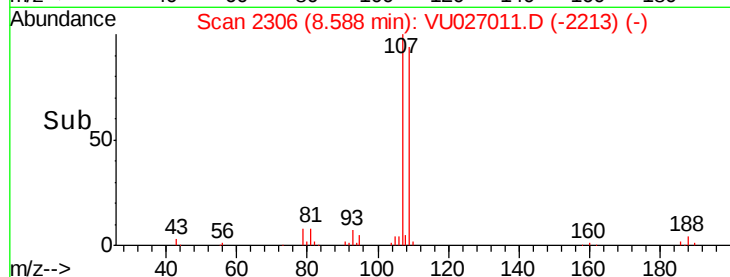
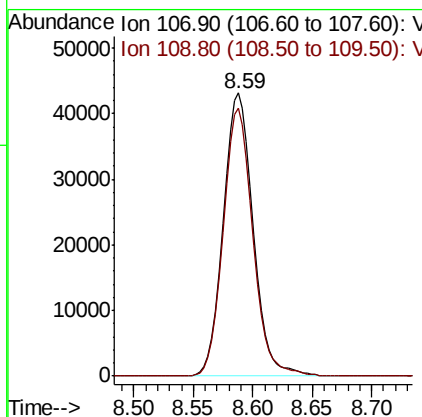
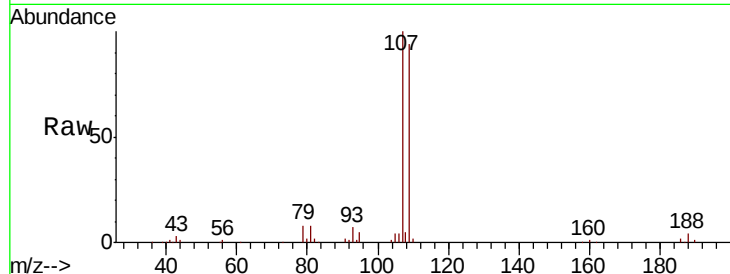
#61
 1,2-Dibromoethane
 Concen: 50.912 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.0	112.6

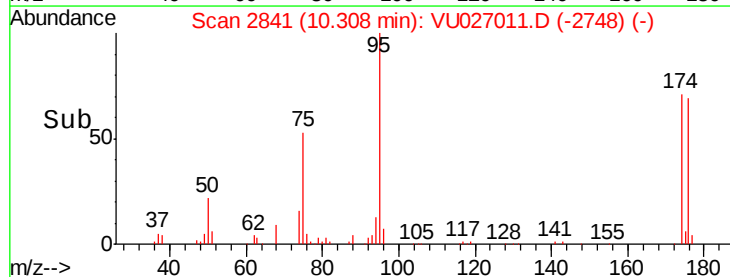
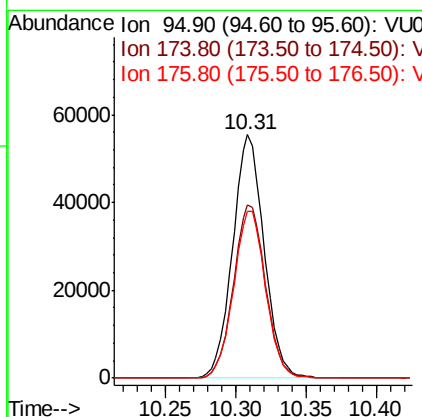
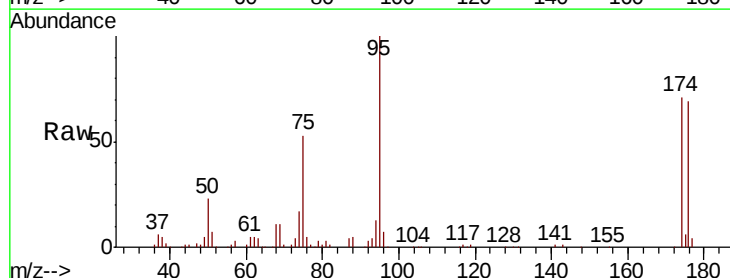
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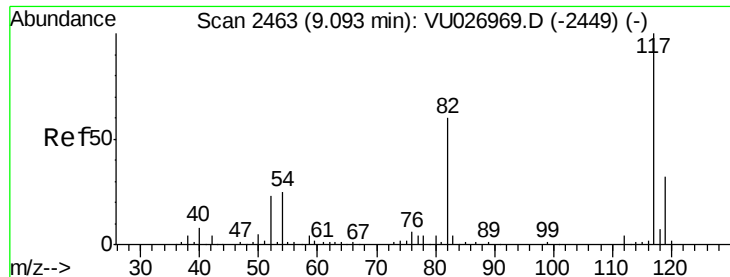
MMDadoda
 9/24/2018 2:14:20 PM



#62
 4-Bromofluorobenzene
 Concen: 53.064 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	150.2
176	69.8	0.0	145.2





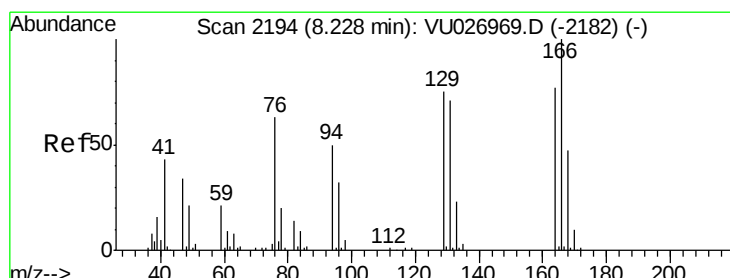
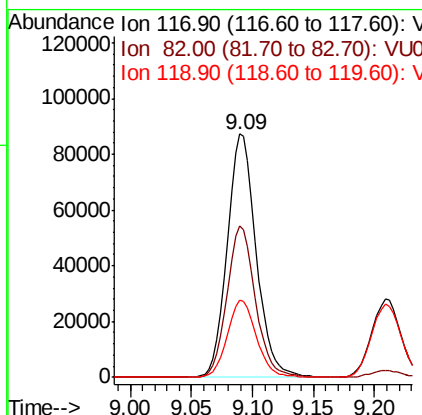
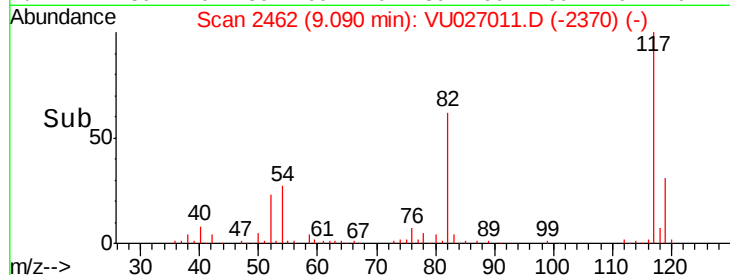
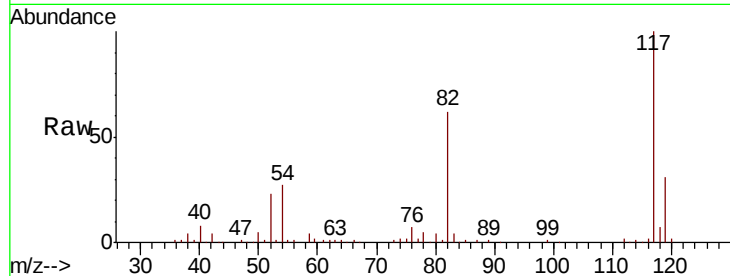
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	48.0	72.0
119	31.5	25.8	38.8

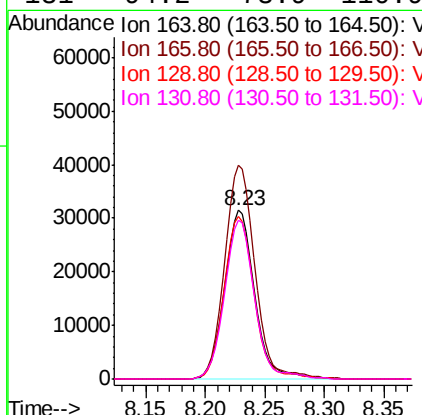
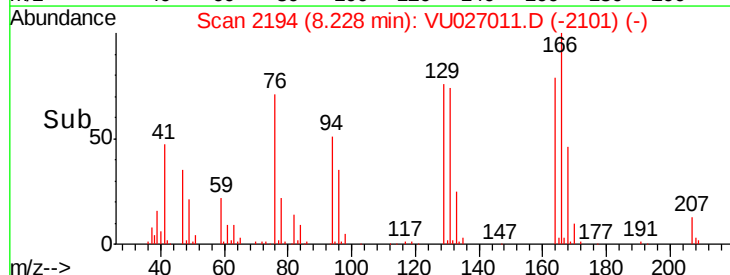
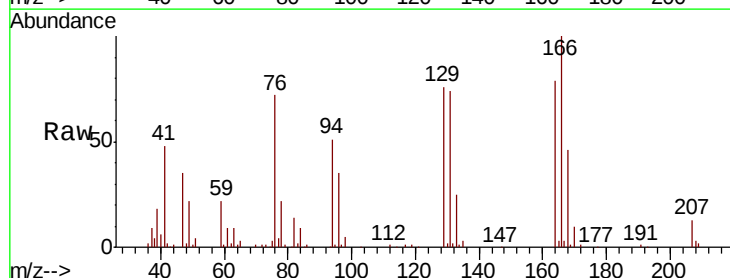
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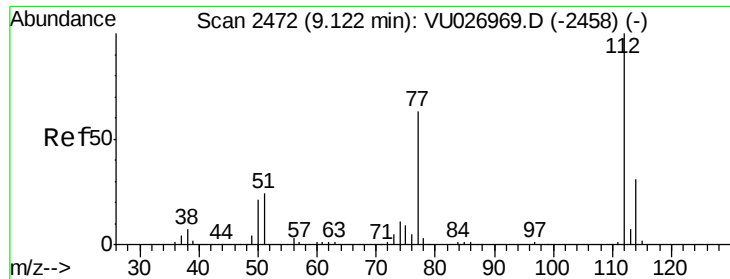
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#64
Tetrachloroethene
Concen: 49.205 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	104.4	156.6
129	96.6	78.7	118.1
131	94.2	73.9	110.9





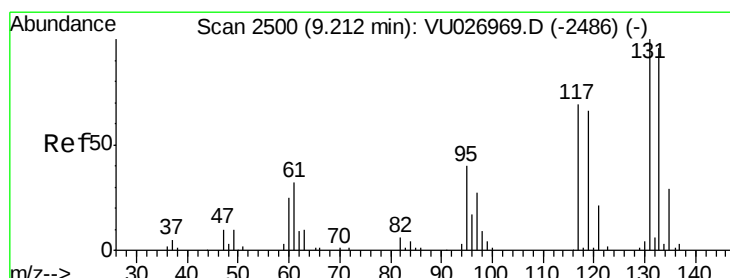
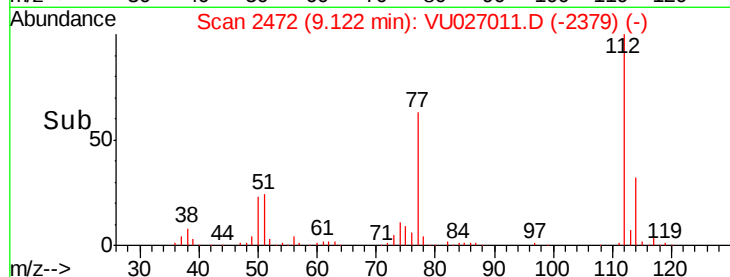
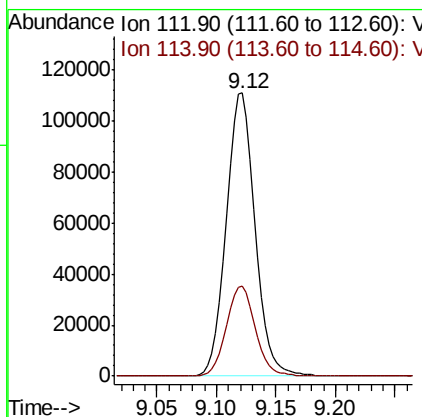
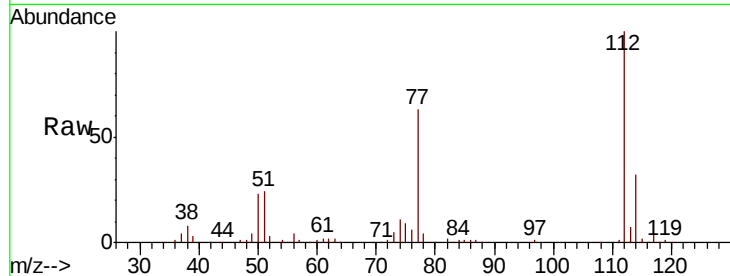
#65
Chlorobenzene
Concen: 48.423 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 186531
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.6

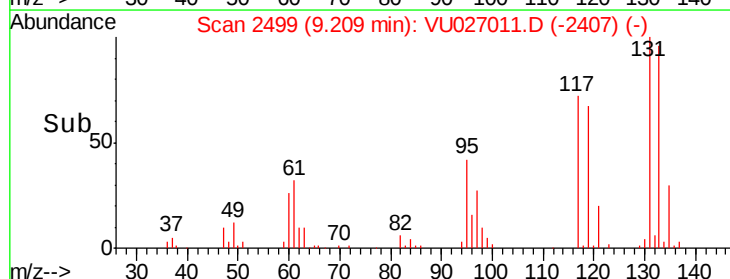
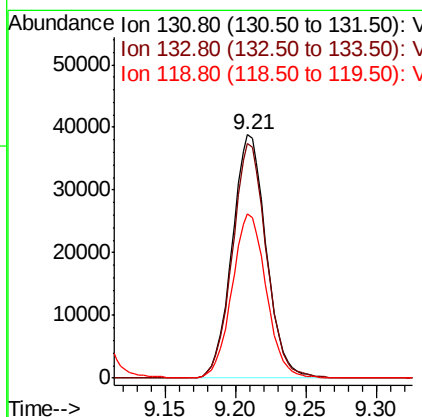
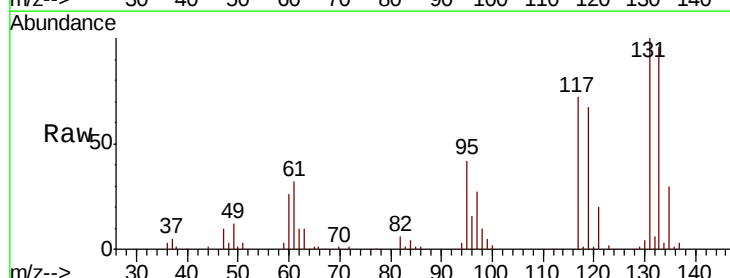
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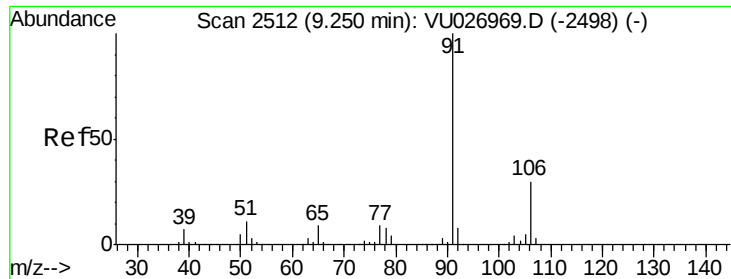
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.642 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion:131 Resp: 65865
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 67.6 33.4 100.1





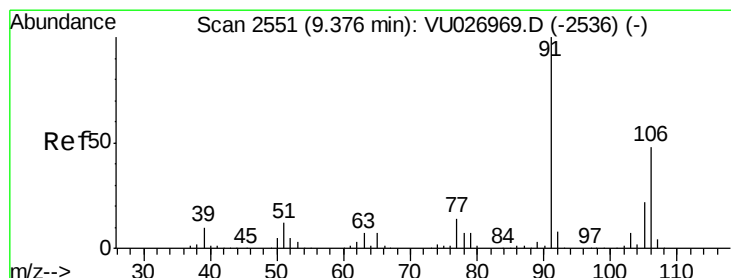
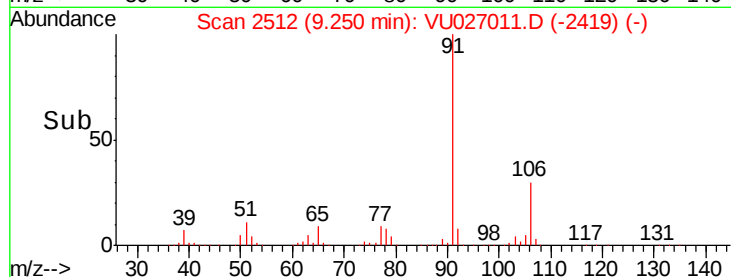
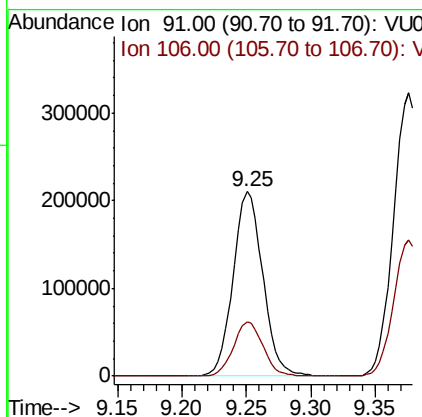
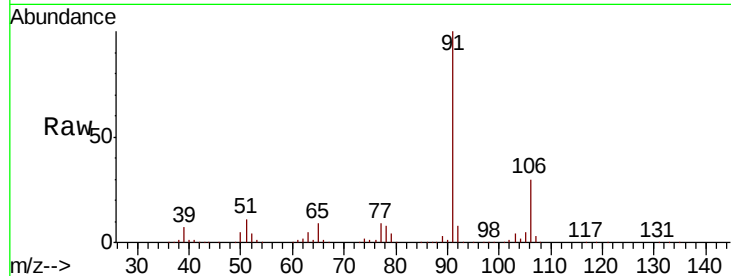
#67
Ethyl Benzene
Concen: 53.223 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 337133
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8

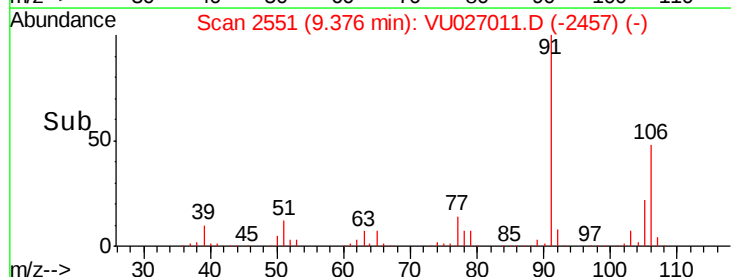
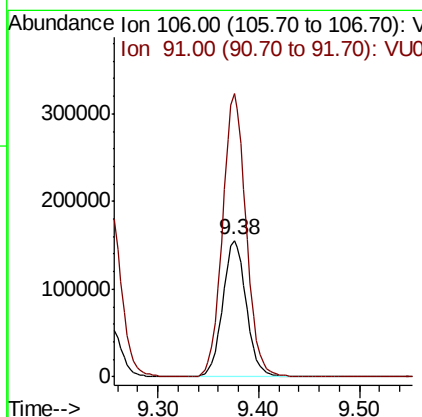
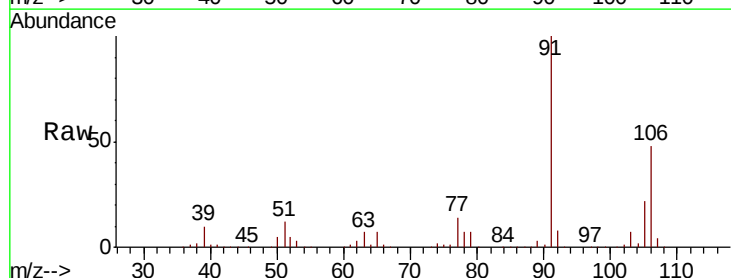
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#68
m/p-Xylenes
Concen: 98.953 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion: 106 Resp: 253804
Ion Ratio Lower Upper
106 100
91 207.5 166.5 249.7





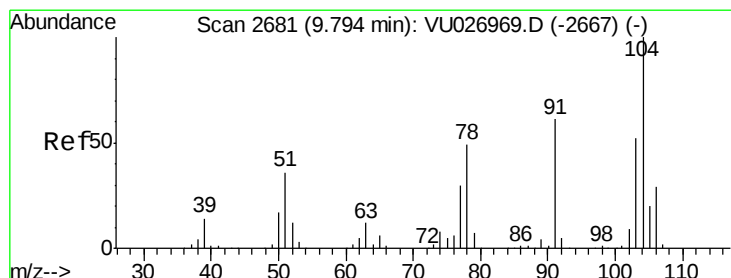
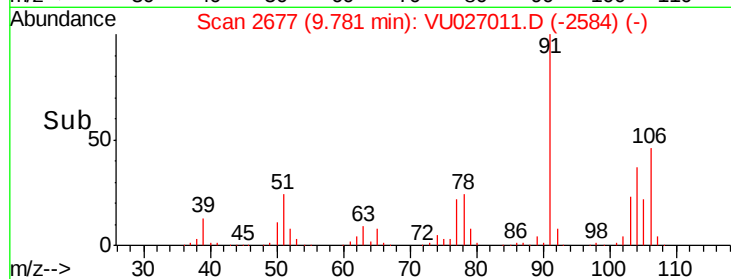
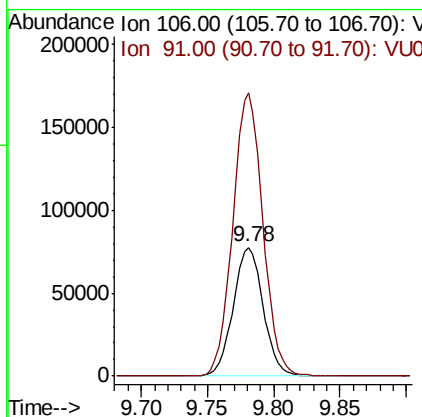
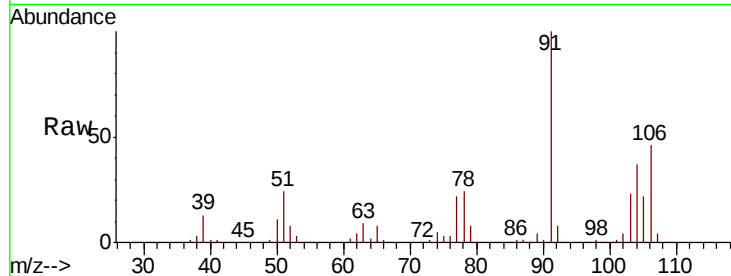
#69
o-Xylene
Concen: 54.269 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		121798		
91	220.2	110.2	330.6		

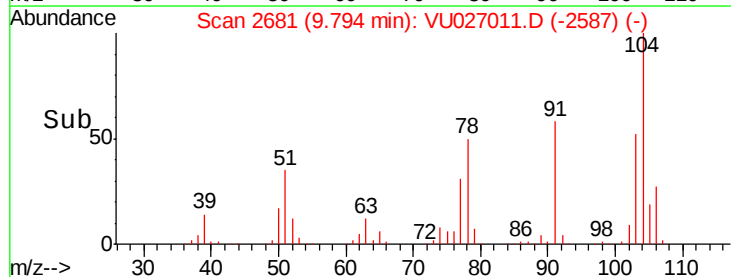
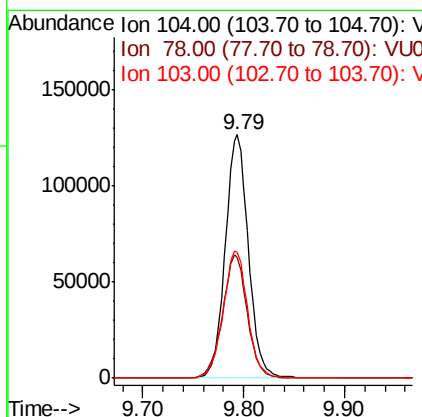
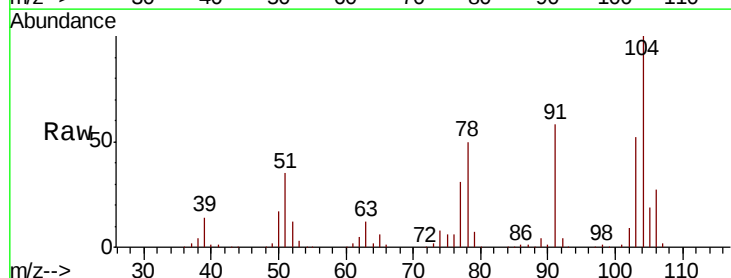
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#70
Styrene
Concen: 48.442 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		202755		
78	54.0	43.0	64.4		
103	55.5	44.1	66.1		





#71

Bromoform

Concen: 50.863 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

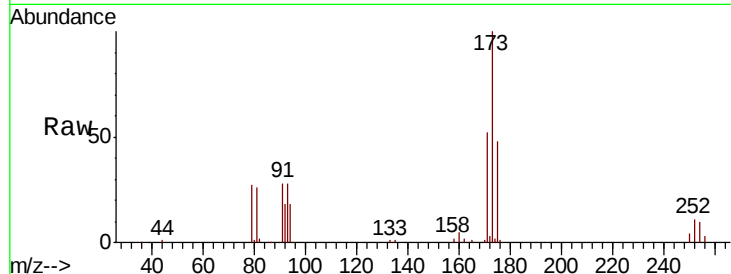
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	52186
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.9	71.8
254	0.0	0.0	0.0

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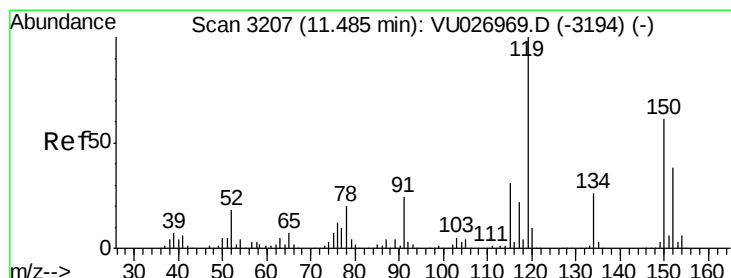
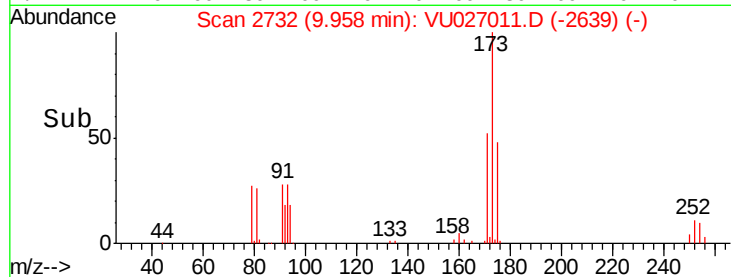
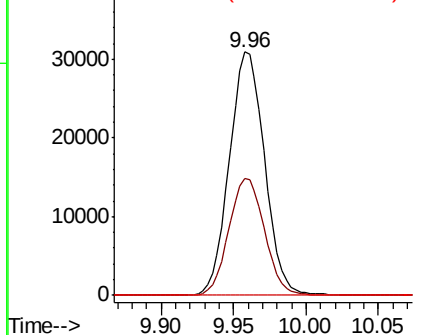


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

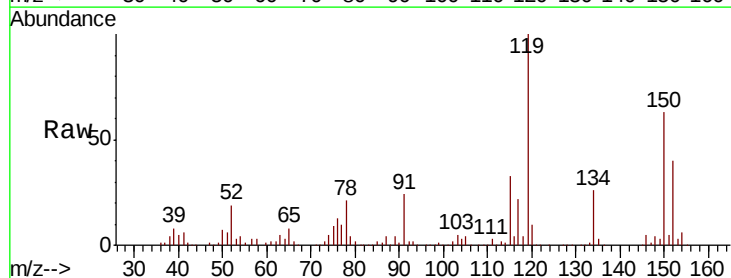
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tgt Ion:	152	Resp:	78244
Ion Ratio	Lower	Upper	
152	100		
115	88.9	44.9	134.5
150	176.0	0.0	355.8

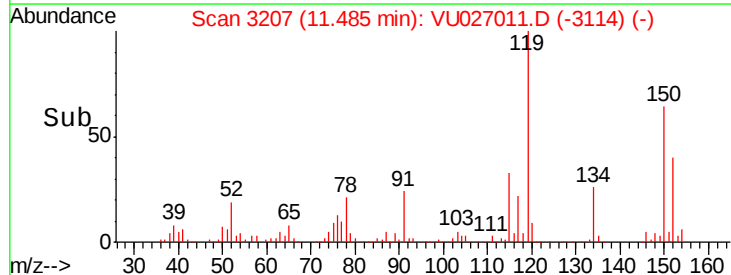
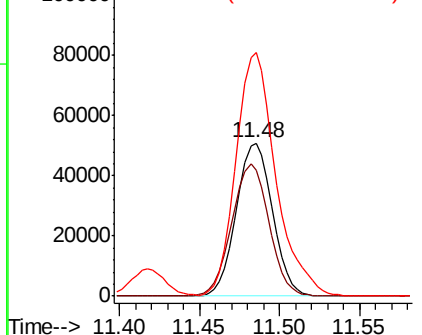


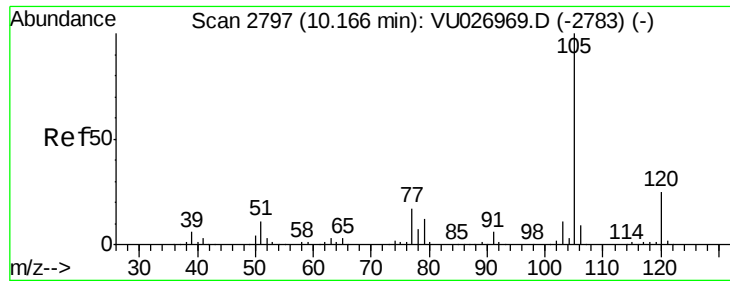
Abundance

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





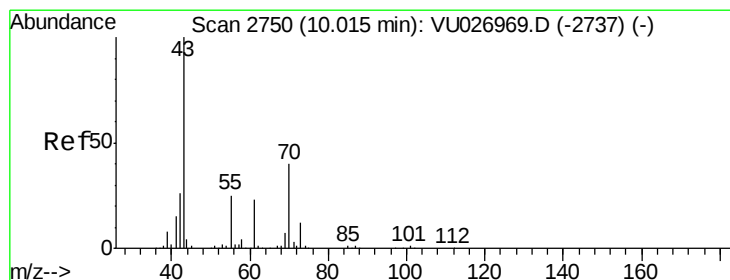
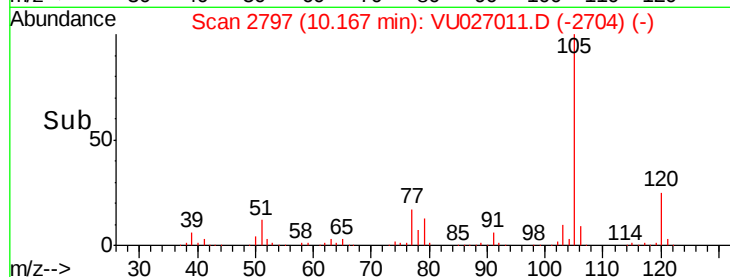
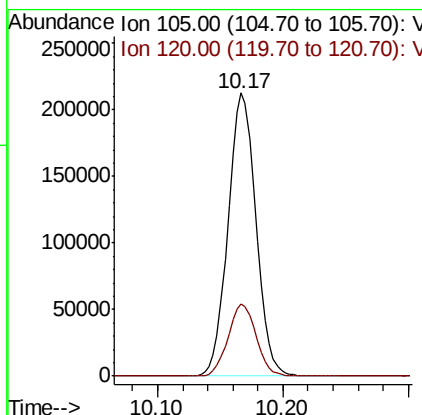
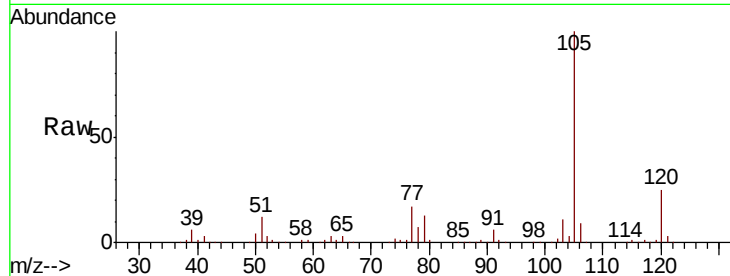
#73
Isopropylbenzene
Concen: 55.069 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

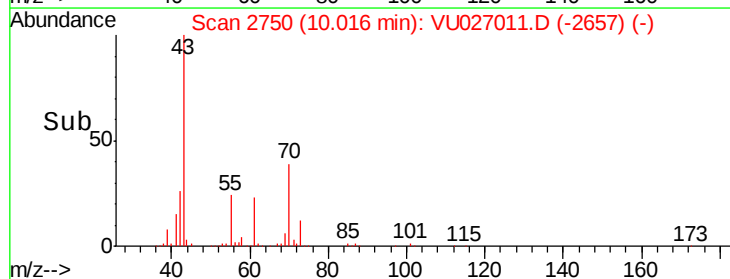
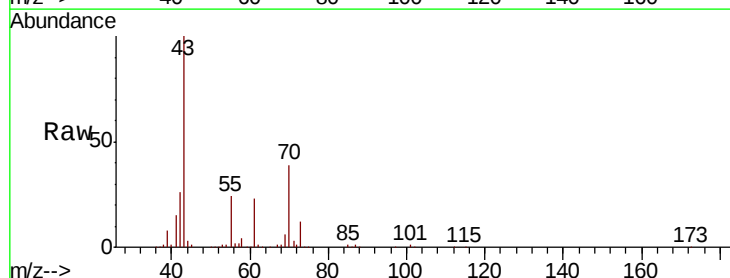
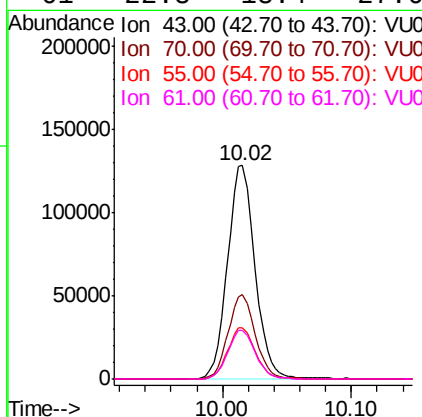
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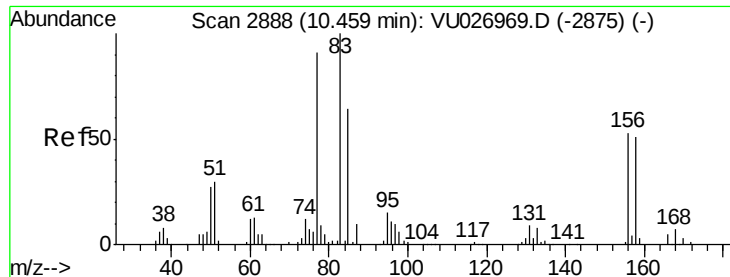
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#74
N-ethyl acetate
Concen: 55.131 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.8	47.8
55	24.4	19.9	29.9
61	22.8	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.984 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

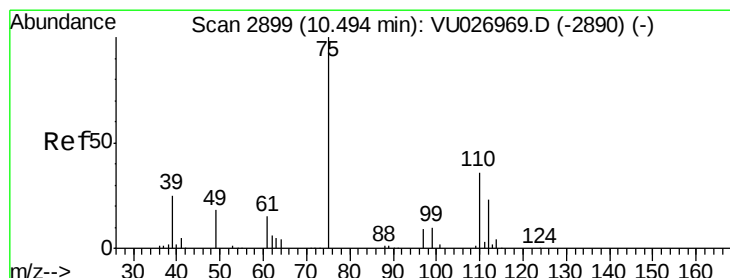
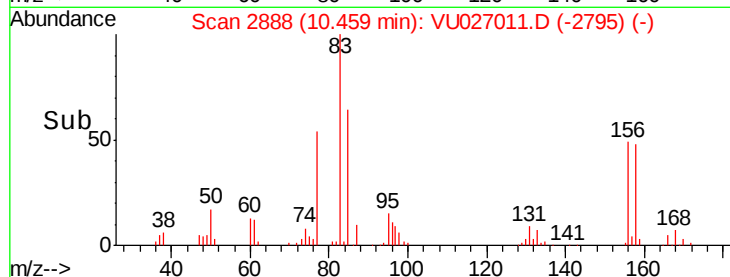
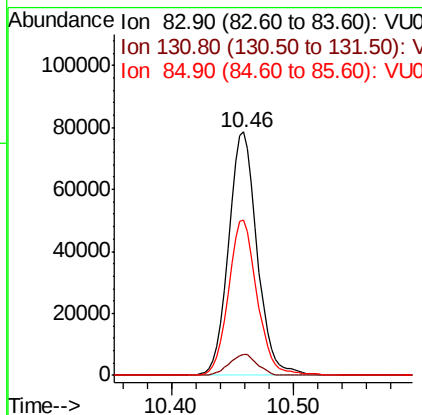
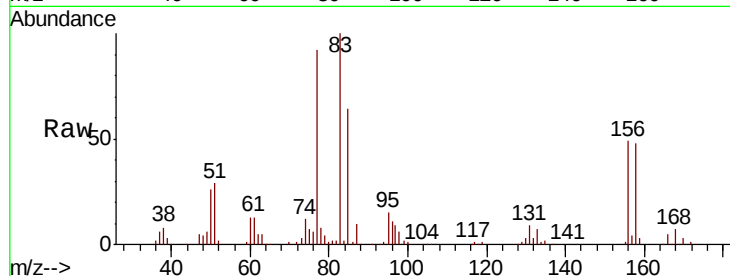
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128574
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.3	12.8
85	64.0	31.9	95.7

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9/24/2018 2:14:20 PM



#76

1,2,3-Trichloropropane

Concen: 48.801 ug/l m

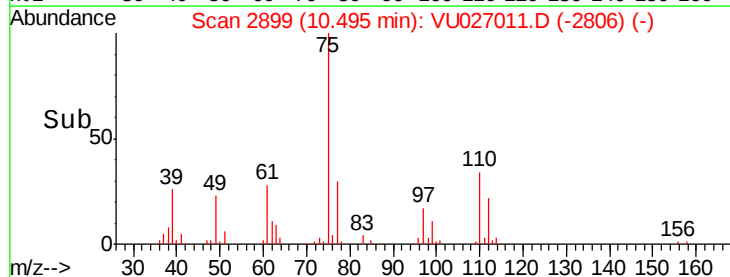
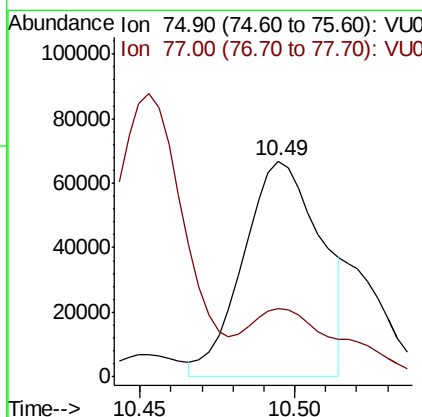
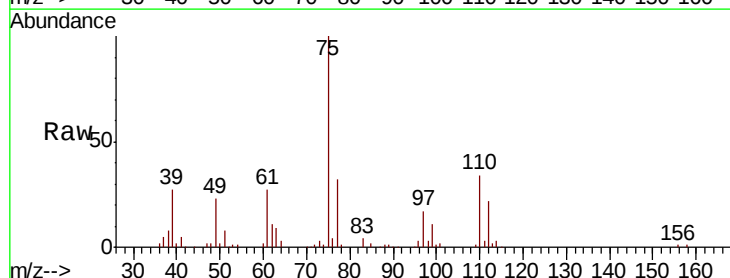
RT: 10.49 min Scan# 2899

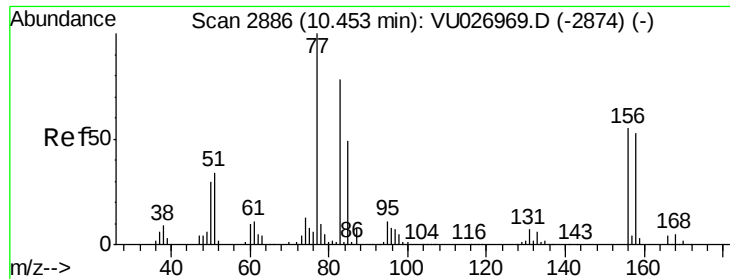
Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Tgt Ion:	75	Resp:	116001
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.9	62.8





#77

Bromobenzene

Concen: 51.215 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

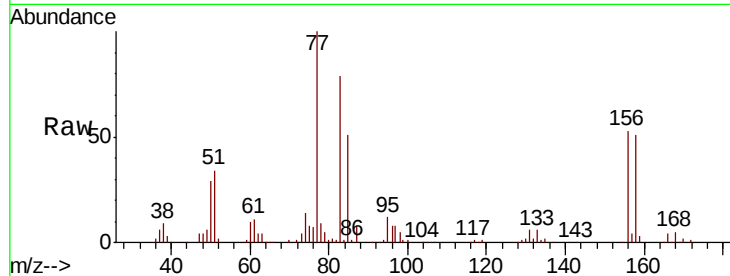
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	74491
Ion Ratio	Lower	Upper	
156	100		
77	191.2	92.3	276.9
158	96.3	48.1	144.3

Manual Integrations
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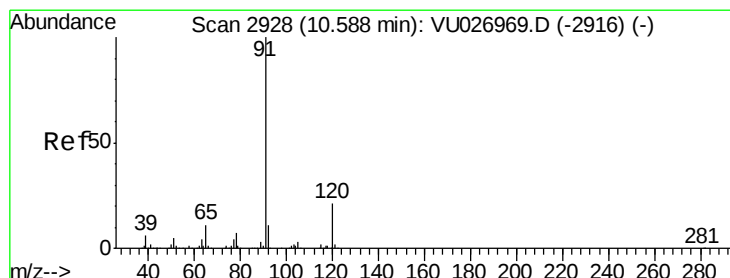
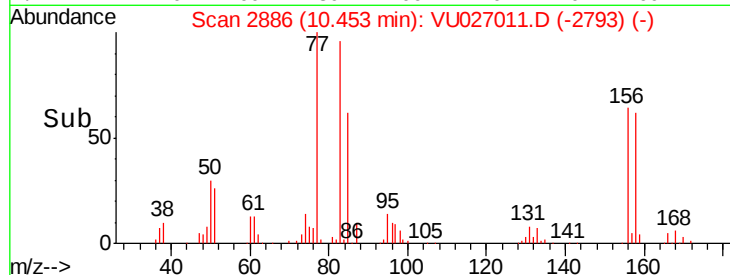
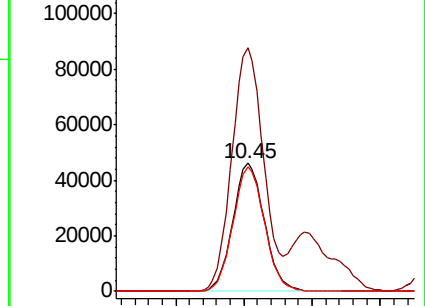
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9/24/2018 2:14:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.223 ug/l

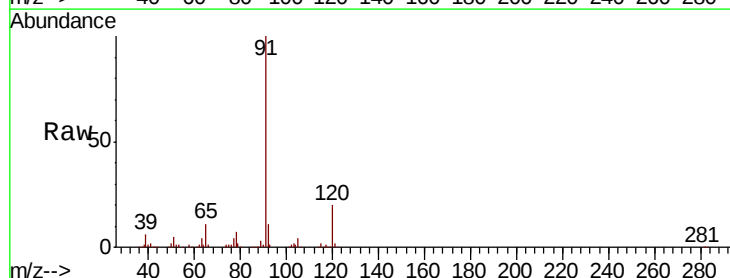
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027011.D

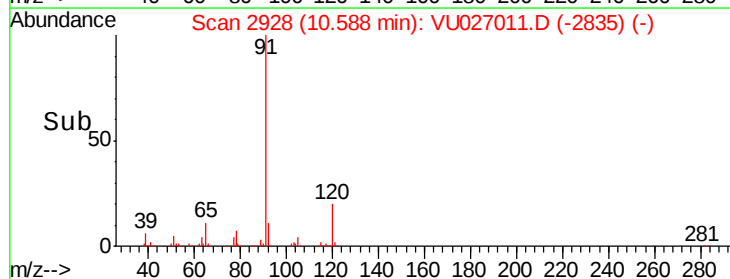
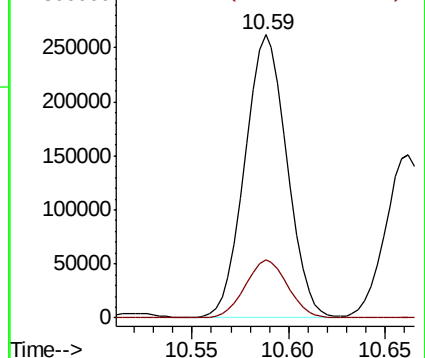
Acq: 22 Sep 2018 10:47

Tgt Ion:	91	Resp:	395952
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.064 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027011.D

Acq: 22 Sep 2018 10:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 234736

Ion Ratio Lower Upper

91 100

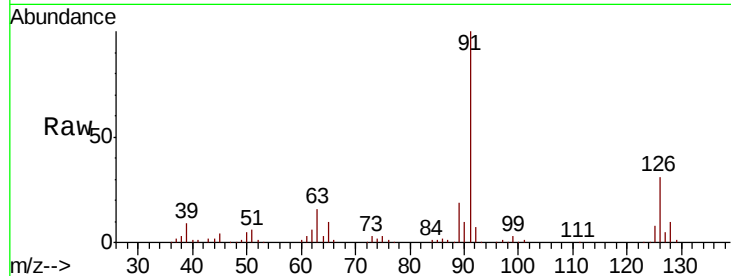
126 31.2 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)

300000

250000

200000

150000

100000

50000

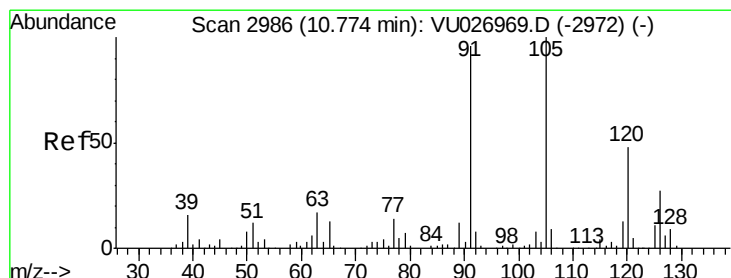
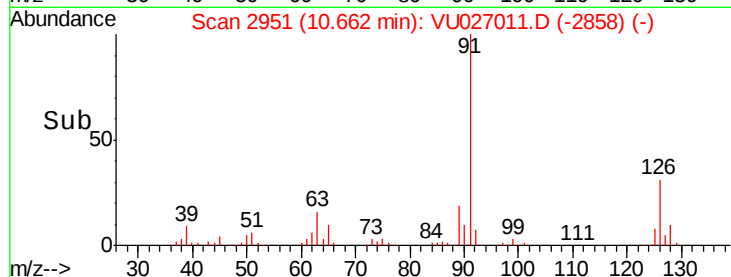
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.721 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027011.D

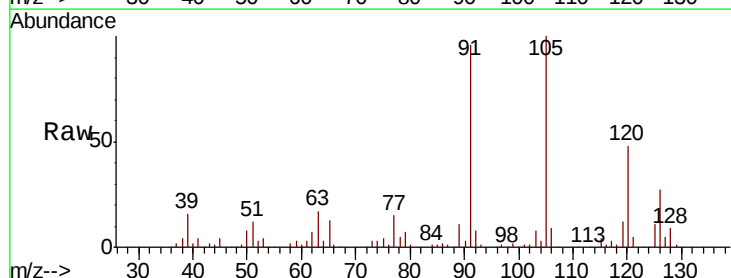
Acq: 22 Sep 2018 10:47

Tgt Ion: 105 Resp: 273769

Ion Ratio Lower Upper

105 100

120 48.1 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)

200000

150000

100000

50000

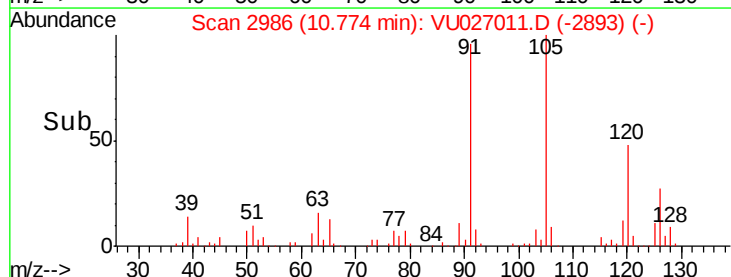
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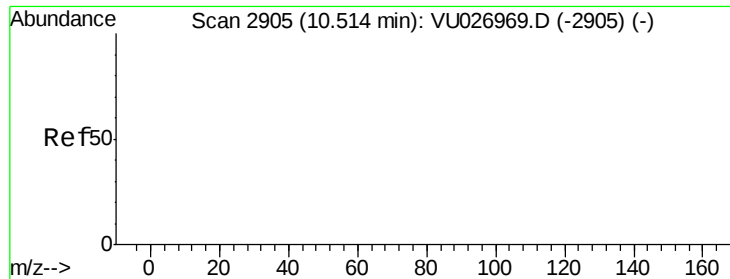
10.70

10.80

10.90

Time-->





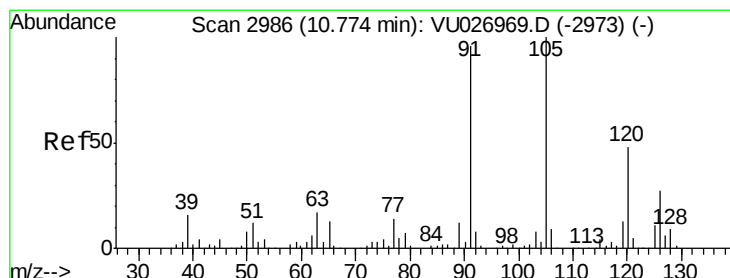
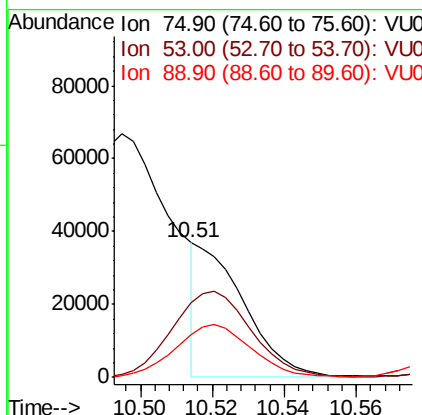
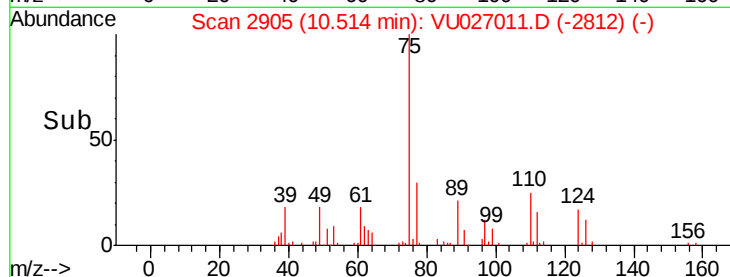
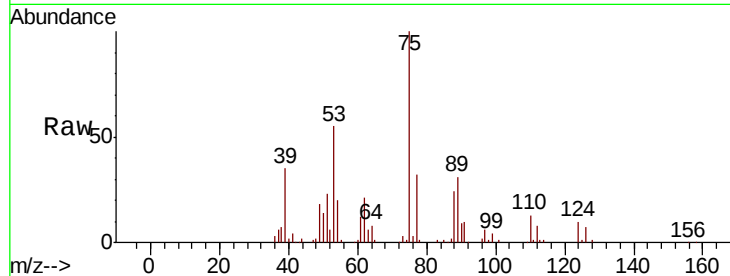
#81
trans-1,4-Dichloro-2-butene
Concen: 44.729 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

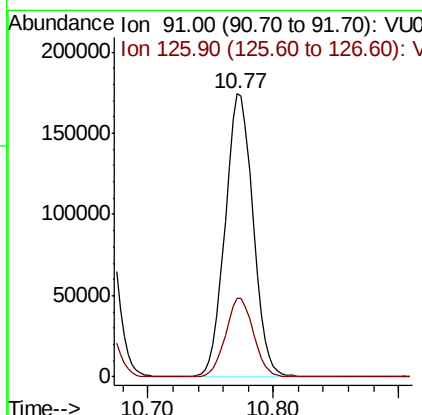
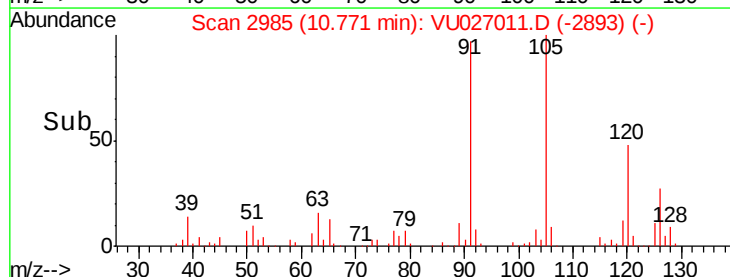
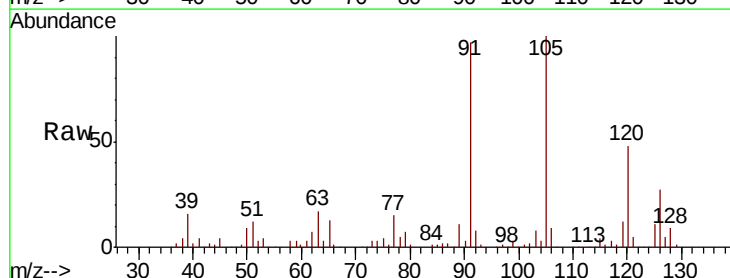
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#82
4-Chlorotoluene
Concen: 54.041 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.2





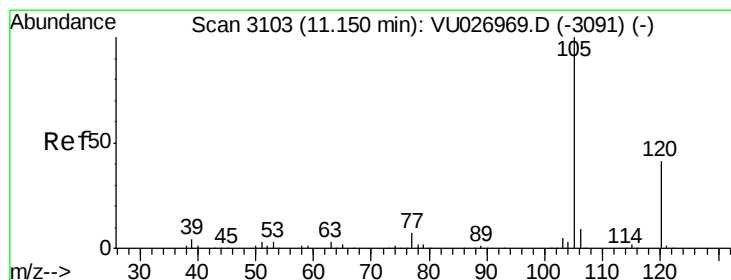
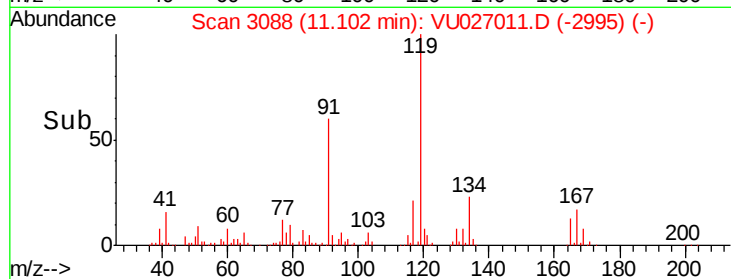
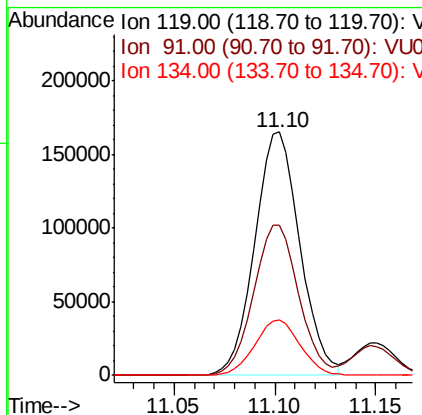
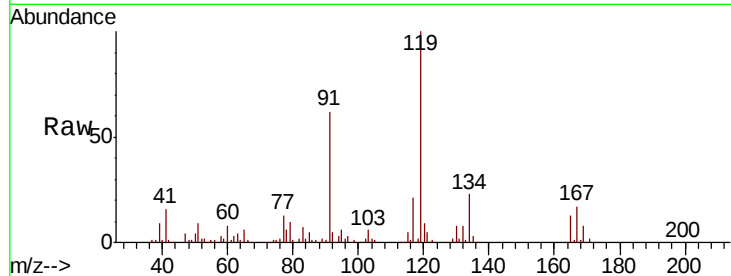
#83
tert-Butylbenzene
Concen: 53.081 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	257841		
91	61.6	29.8	89.4	
134	23.0	11.5	34.4	

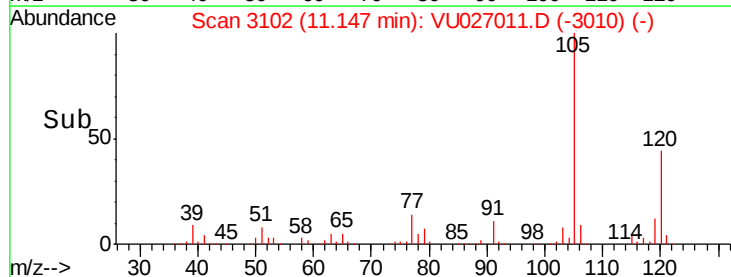
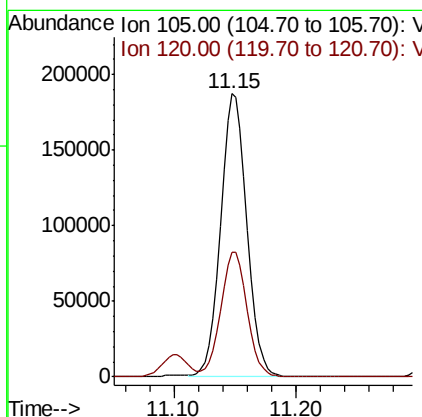
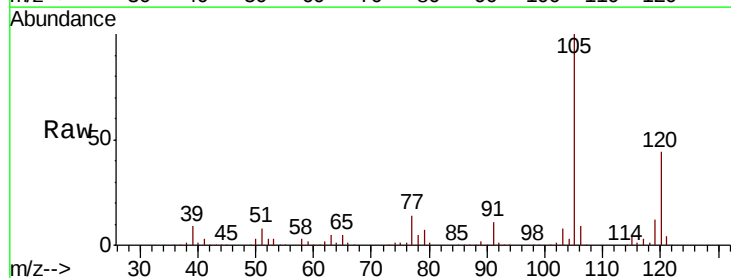
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#84
1,2,4-Trimethylbenzene
Concen: 56.509 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282548		
120	44.4	22.4	67.2	





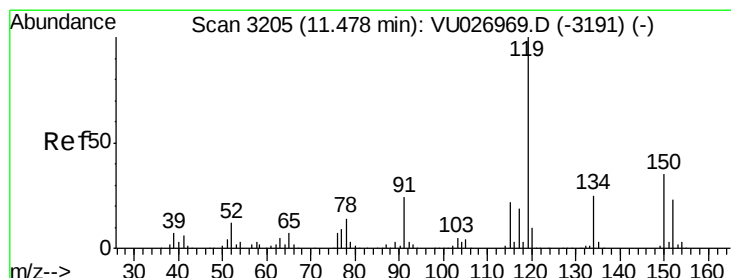
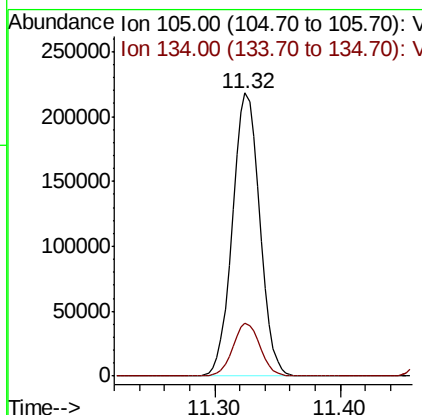
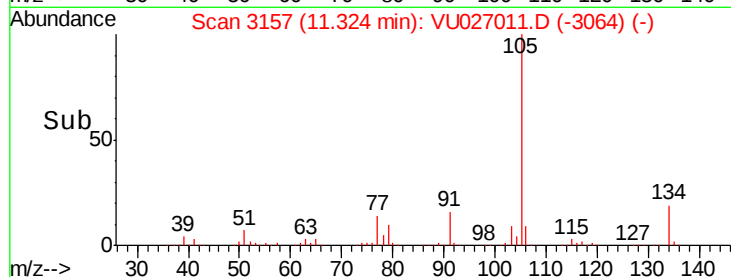
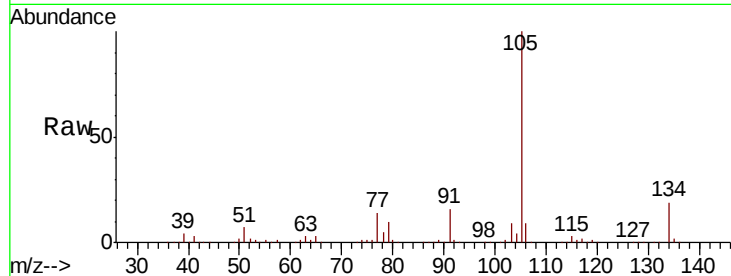
#85
 sec-Butylbenzene
 Concen: 55.585 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.4	28.2

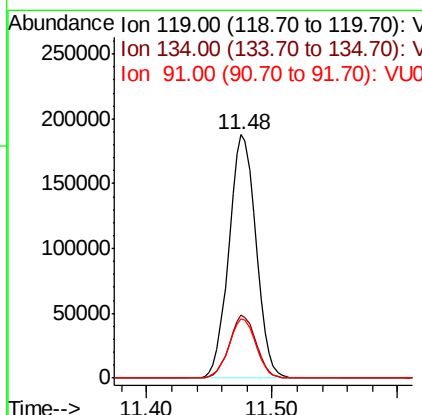
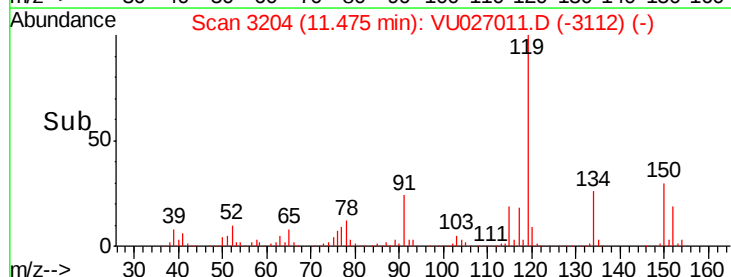
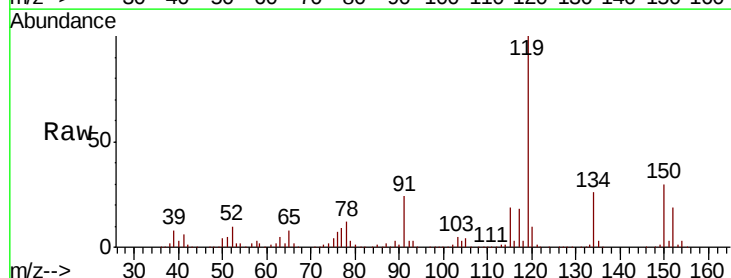
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#86
 p-Isopropyltoluene
 Concen: 50.538 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.4	12.3	36.8





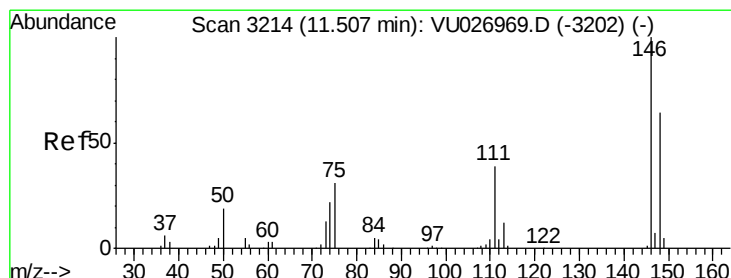
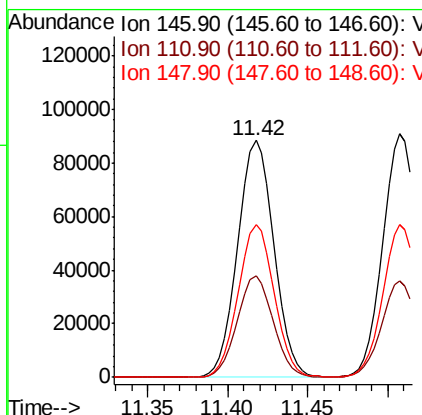
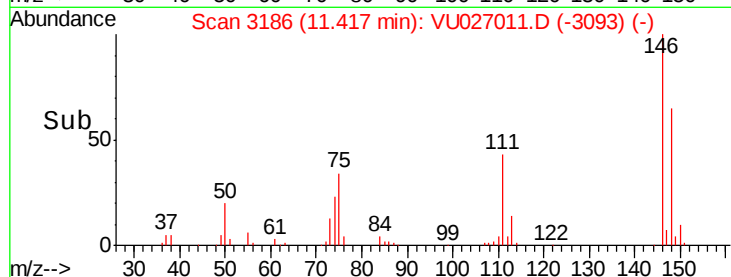
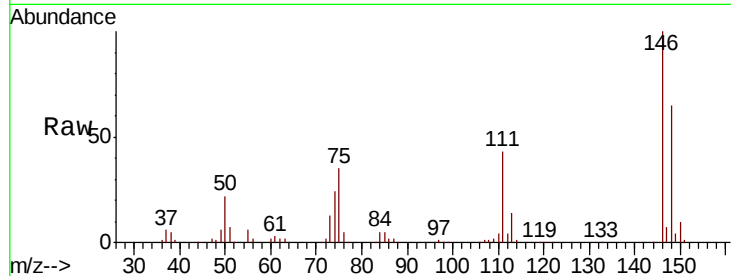
#87
 1,3-Dichlorobenzene
 Concen: 50.519 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	63.8	32.0	96.2

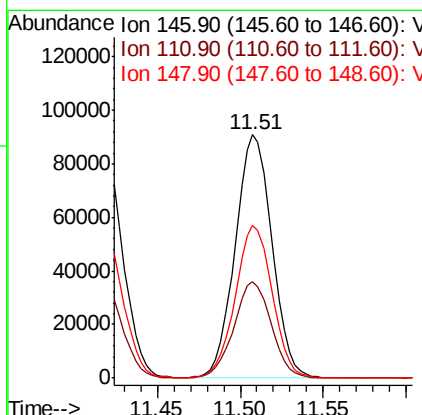
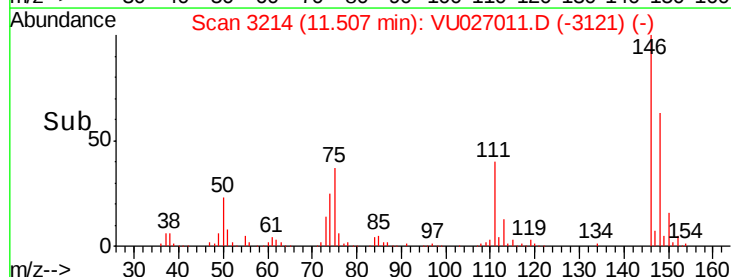
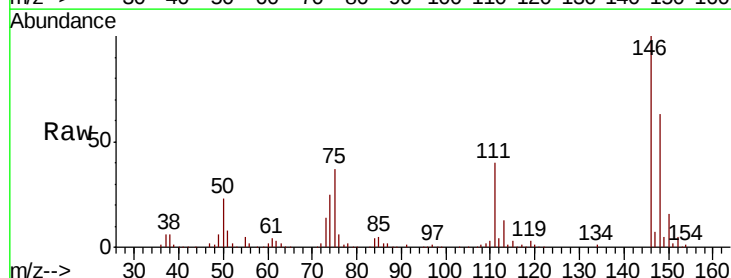
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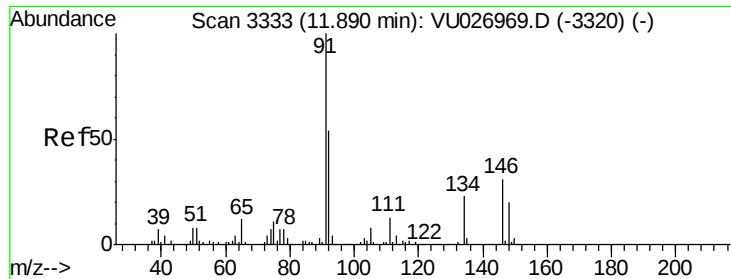
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#88
 1,4-Dichlorobenzene
 Concen: 47.415 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	63.2	31.9	95.9





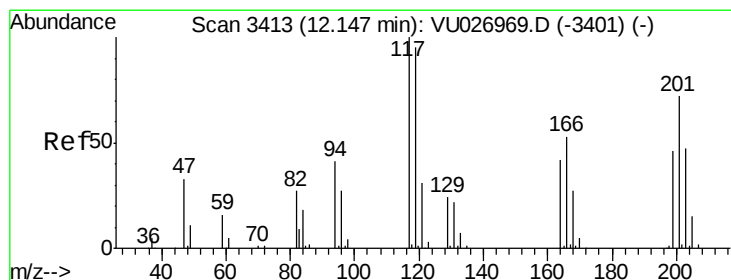
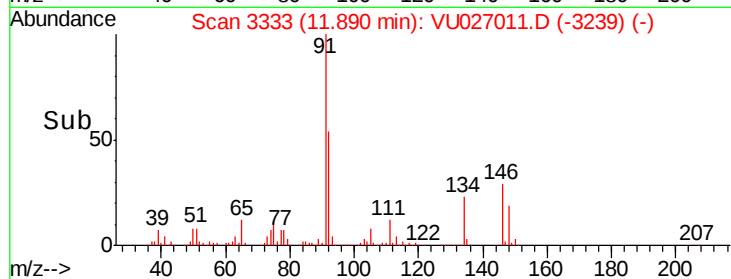
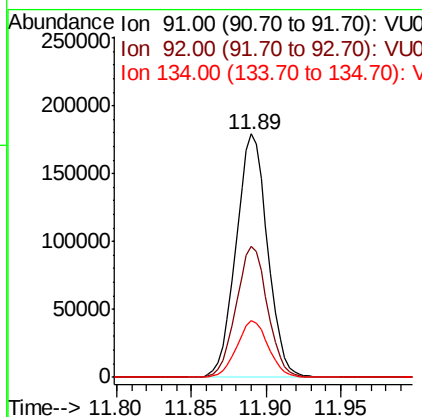
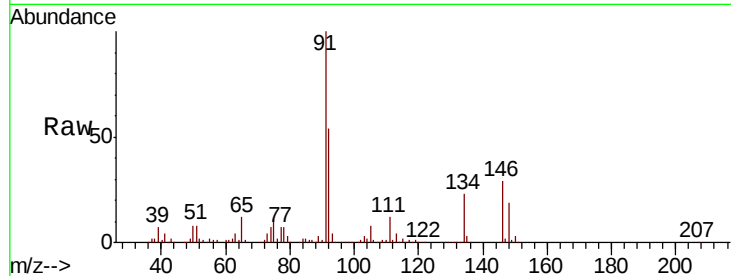
#89
n-Butylbenzene
Concen: 48.666 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	262115		
92	53.8		27.1	81.2
134	23.2		11.7	35.0

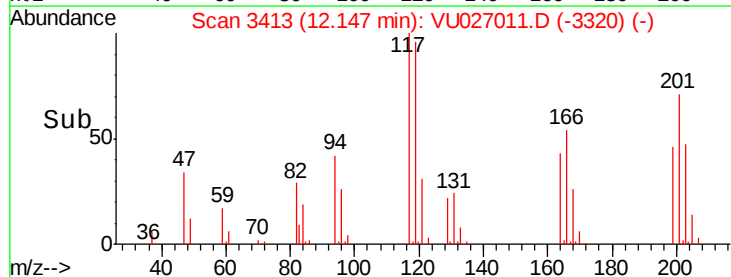
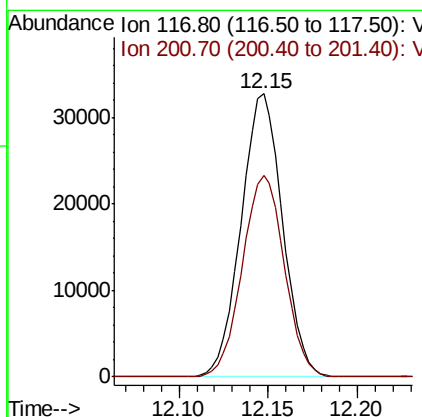
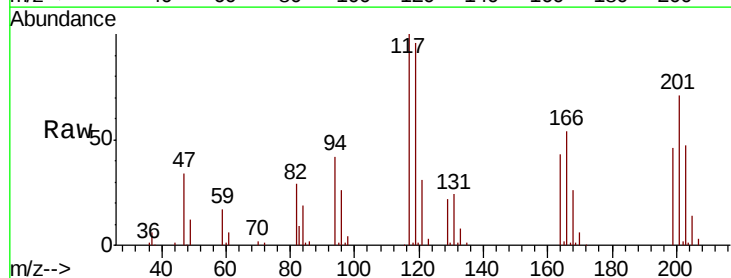
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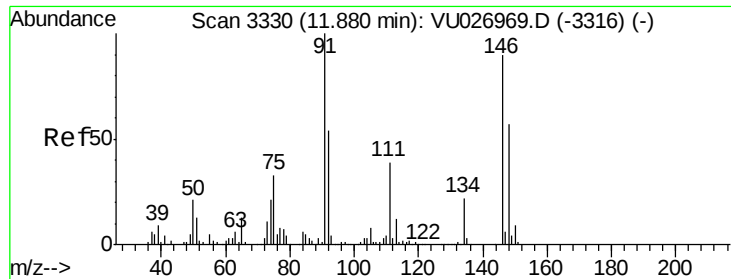
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#90
Hexachloroethane
Concen: 49.142 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52988		
201	72.3		36.8	110.3





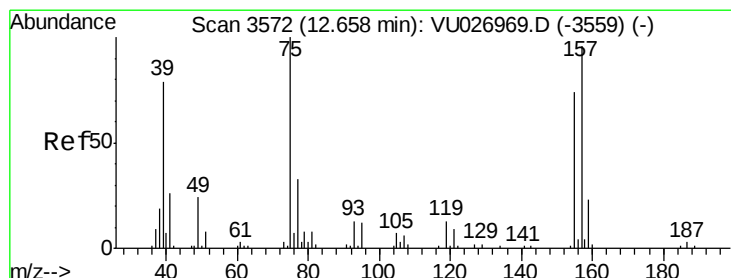
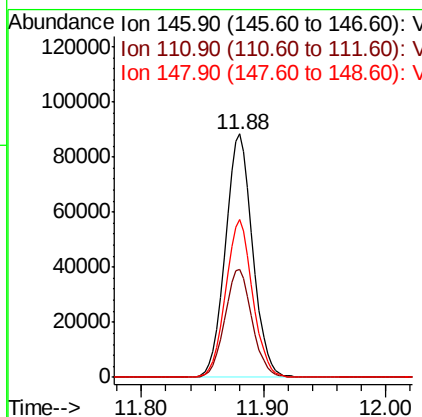
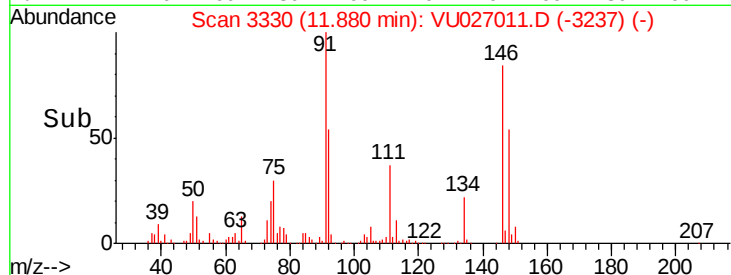
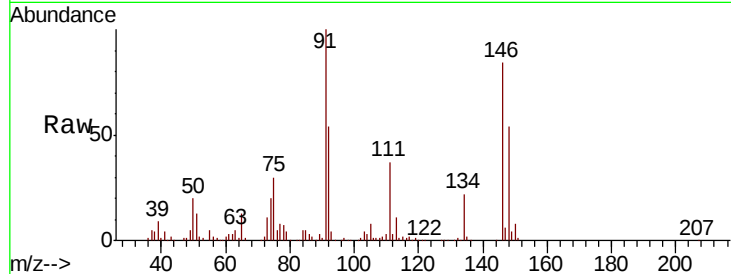
#91
 1,2-Dichlorobenzene
 Concen: 48.004 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.3
148	64.1	31.9	95.7

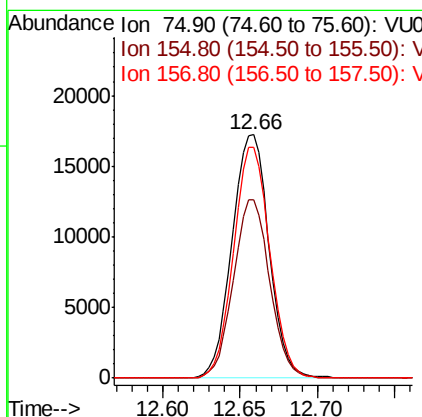
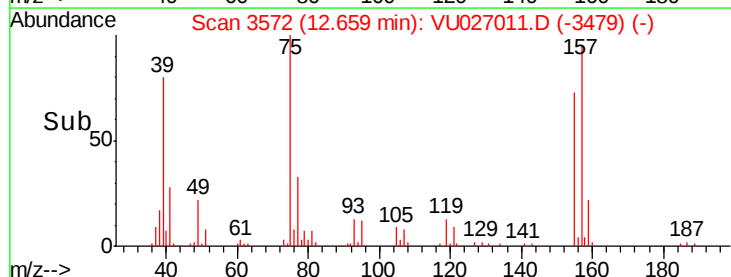
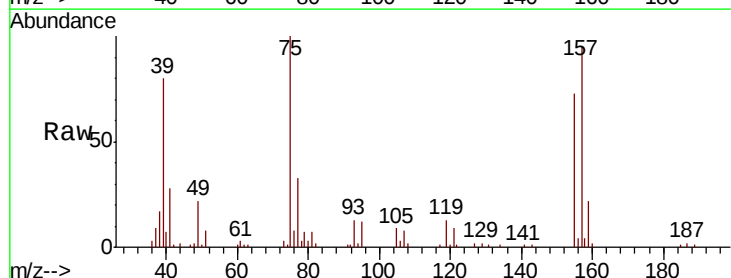
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.336 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	36.6	109.8
157	92.7	47.4	142.2





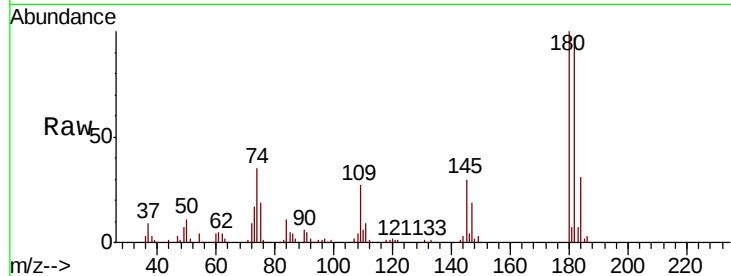
#93
 1,2,4-Trichlorobenzene
 Concen: 54.883 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.5	14.9	44.5

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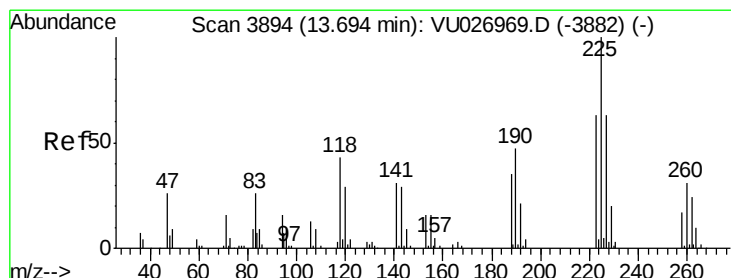
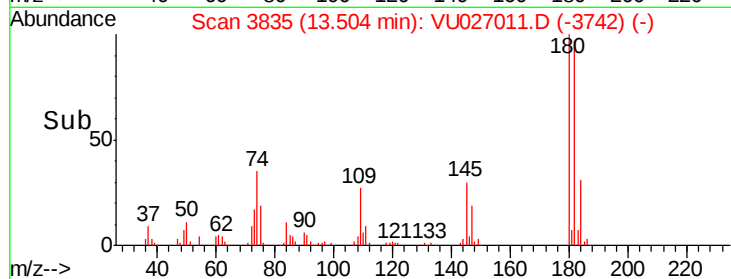
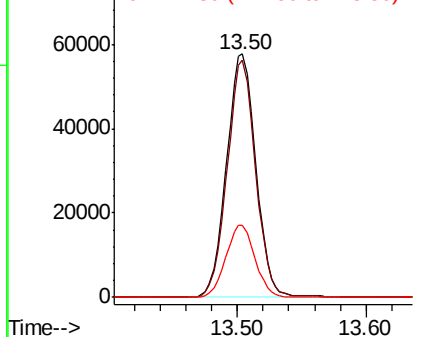


Abundance

Ion 179.80 (179.50 to 180.50): V

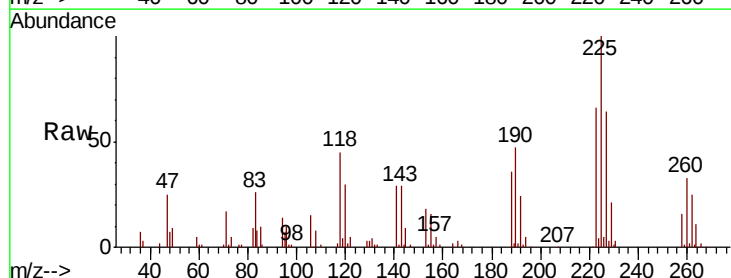
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.744 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027011.D
 Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	63.9	32.1	96.5

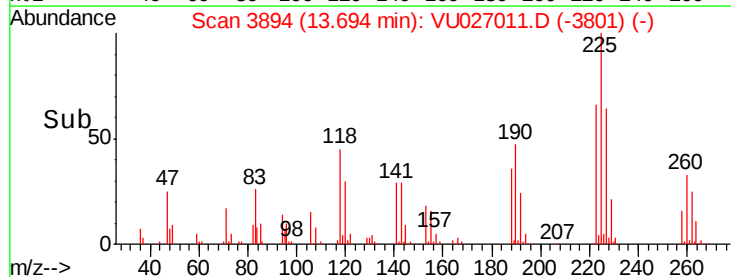
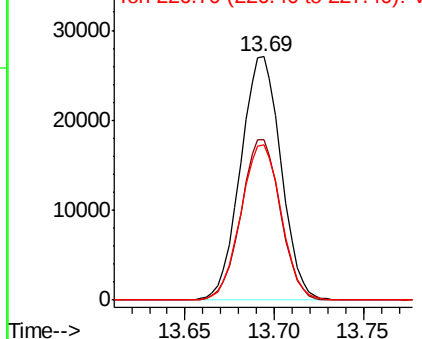


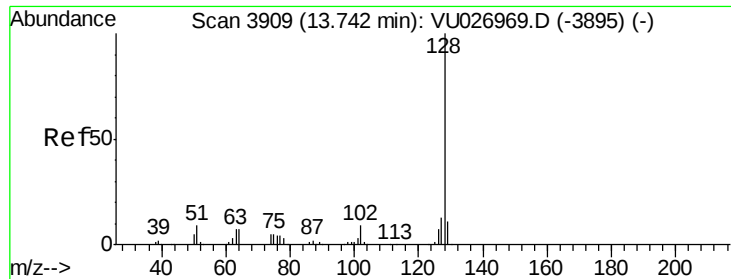
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





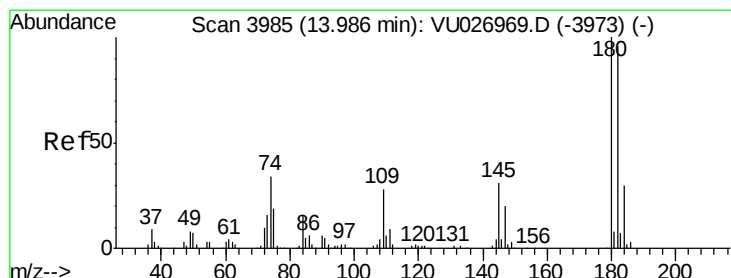
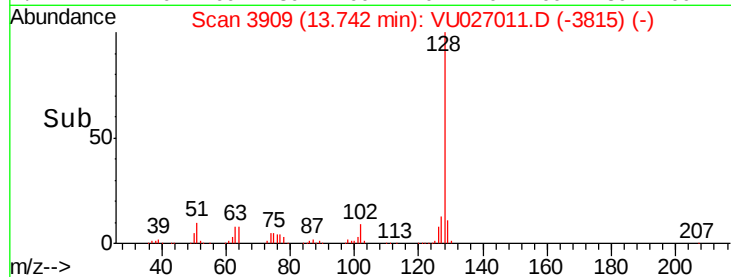
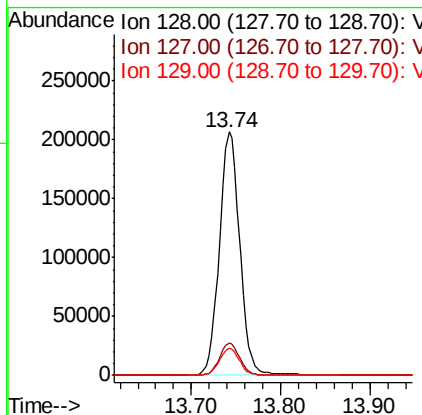
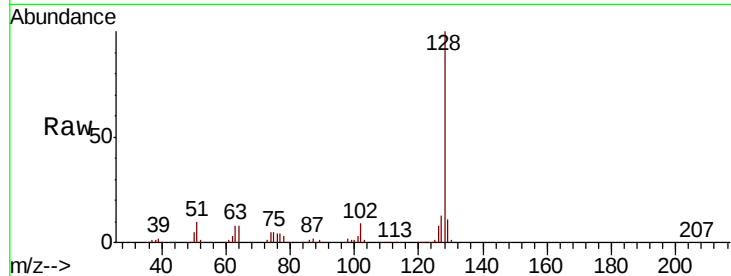
#95
Naphthalene
Concen: 50.656 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.282 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027011.D
Acq: 22 Sep 2018 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	31.8	15.4	46.4

