

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092218\
 Data File : VU026991.D
 Acq On : 22 Sep 2018 00:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:15 PM

Quant Time: Sep 22 04:15:53 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	86336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144819	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	80270	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86103	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	4.88	113	61269	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	7.57	98	242373	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	10.31	95	87795	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.21	85	53116	47.121	ug/l	97
3) Chloromethane	1.33	50	87659	45.104	ug/l	99
4) Vinyl Chloride	1.40	62	83949	46.275	ug/l	99
5) Bromomethane	1.62	94	45577	44.118	ug/l	98
6) Chloroethane	1.69	64	53584	46.228	ug/l	98
7) Trichlorofluoromethane	1.88	101	98386	47.750	ug/l	99
8) Diethyl Ether	2.10	74	48929	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	60276	47.578	ug/l	99
10) Methyl Iodide	2.41	142	58797	37.421	ug/l	99
11) Tert butyl alcohol	2.83	59	95072	238.705	ug/l	99
12) 1,1-Dichloroethene	2.28	96	56121	47.064	ug/l	97
13) Acrolein	2.19	56	55670	259.291	ug/l	98
14) Allyl chloride	2.59	41	120985	50.024	ug/l	98
15) Acrylonitrile	2.94	53	247123	246.181	ug/l	99
16) Acetone	2.32	43	215734	232.568	ug/l	98
17) Carbon Disulfide	2.48	76	180736	46.527	ug/l	100
18) Methyl Acetate	2.62	43	120712	48.807	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	222151	50.697	ug/l	100
20) Methylene Chloride	2.70	84	72268	46.439	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	63889	50.183	ug/l	97
22) Diisopropyl ether	3.57	45	270463	52.283	ug/l	99
23) Vinyl Acetate	3.52	43	1159506	262.951	ug/l	100
24) 1,1-Dichloroethane	3.45	63	142325	49.954	ug/l	100
25) 2-Butanone	4.26	43	348565	238.694	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92231	41.509	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	72095	50.144	ug/l	98
28) Bromochloromethane	4.55	49	72824	53.025	ug/l	96
29) Tetrahydrofuran	4.64	42	225642	255.429	ug/l	98
30) Chloroform	4.67	83	127495	48.209	ug/l	98
31) Cyclohexane	5.00	56	130462	50.378	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	103973	49.240	ug/l	100
36) 1,1-Dichloropropene	5.14	75	96114	49.728	ug/l	99
37) Ethyl Acetate	4.38	43	124466	47.570	ug/l	99
38) Carbon Tetrachloride	5.14	117	88514	48.124	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	112537	53.579	ug/l	100
40) Benzene	5.39	78	288767	49.147	ug/l	100
41) Methacrylonitrile	4.54	41	70989	52.242	ug/l	99
42) 1,2-Dichloroethane	5.40	62	108994	49.099	ug/l	100
43) Isopropyl Acetate	5.55	43	194530	50.980	ug/l	99
44) Trichloroethene	6.19	130	62418	49.900	ug/l	96
45) 1,2-Dichloropropane	6.43	63	84523	50.487	ug/l	99
46) Dibromomethane	6.56	93	49172	48.632	ug/l	100
47) Bromodichloromethane	6.76	83	98429	48.143	ug/l	98
48) Methyl methacrylate	6.62	41	100947	48.634	ug/l	99
49) 1,4-Dioxane	6.61	88	38858	942.011	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	674386	262.780	ug/l	100
52) Toluene	7.64	92	175638	52.151	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	113999	51.897	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	120345	49.827	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	71342	49.992	ug/l	98
56) Ethyl methacrylate	8.02	69	118941	48.122	ug/l	99
57) 1,3-Dichloropropane	8.24	76	135466	51.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	336150	239.423	ug/l	100
59) 2-Hexanone	8.36	43	511386	254.562	ug/l	100
60) Dibromochloromethane	8.48	129	70480	50.350	ug/l	100
61) 1,2-Dibromoethane	8.59	107	74066	49.882	ug/l	100
64) Tetrachloroethene	8.23	164	53960	48.244	ug/l	98
65) Chlorobenzene	9.12	112	182180	47.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64565	48.706	ug/l	99
67) Ethyl Benzene	9.25	91	329752	52.105	ug/l	99
68) m/p-Xylenes	9.38	106	245550	95.868	ug/l	98
69) o-Xylene	9.78	106	116942	52.152	ug/l	98
70) Styrene	9.79	104	199464	47.727	ug/l	99
71) Bromoform	9.96	173	50124	48.897	ug/l #	99
73) Isopropylbenzene	10.17	105	321797	52.701	ug/l	100
74) N-amyl acetate	10.02	43	180959	51.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	124134	44.217	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	105996m	43.466	ug/l	
77) Bromobenzene	10.45	156	71816	48.130	ug/l	95
78) n-propylbenzene	10.59	91	391499	54.188	ug/l	100
79) 2-Chlorotoluene	10.66	91	227193	50.063	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	272212	54.006	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	41082m	53.912	ug/l	
82) 4-Chlorotoluene	10.77	91	264090	51.899	ug/l	99
83) tert-Butylbenzene	11.10	119	254814	51.134	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	277935	54.183	ug/l	99
85) sec-Butylbenzene	11.32	105	327196	53.788	ug/l	100
86) p-Isopropyltoluene	11.48	119	282175	49.446	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	135585	48.830	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	137602	45.470	ug/l	100
89) n-Butylbenzene	11.89	91	267374	48.403	ug/l	99
90) Hexachloroethane	12.15	117	51548	46.600	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	135943	46.090	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27201	47.494	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	89234	52.500	ug/l	100
94) Hexachlorobutadiene	13.69	225	42649	47.423	ug/l	99
95) Naphthalene	13.74	128	317116	47.795	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	94123	51.638	ug/l	99

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

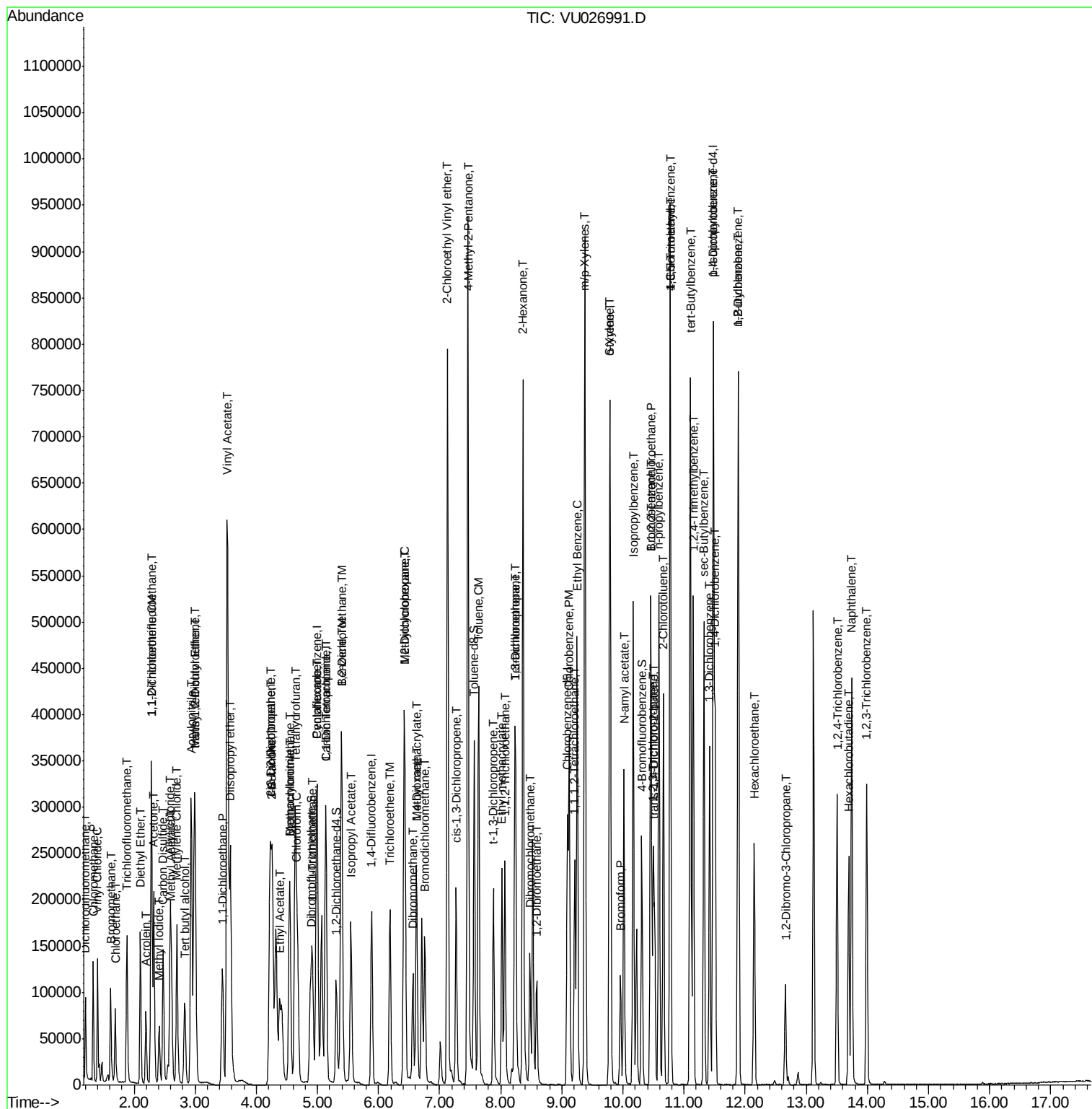
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092218\
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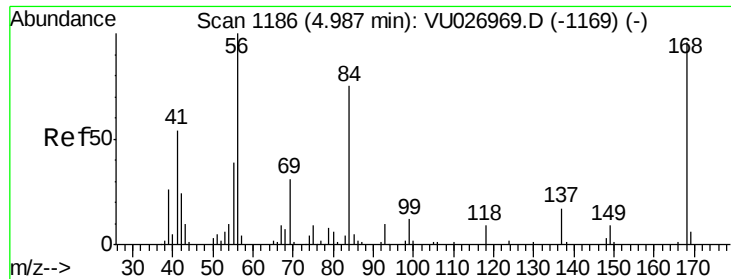
Instrument :
MSVOA_U
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 86336

Ion Ratio Lower Upper

168 100

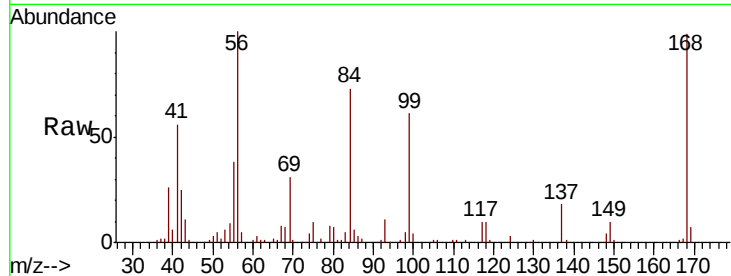
99 60.9 48.1 72.1

Manual Integrations

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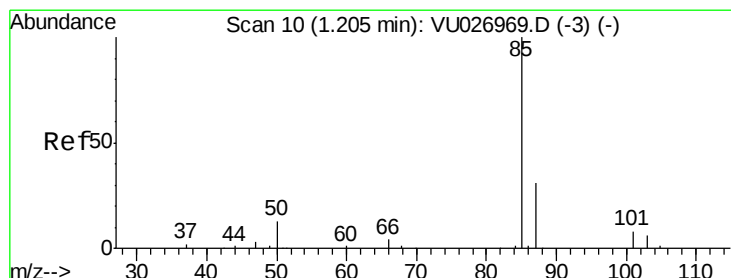
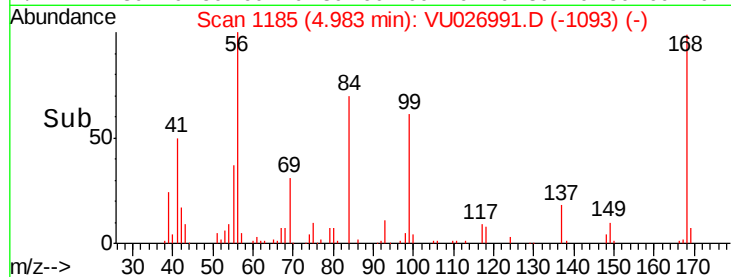
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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: 47.121 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026991.D

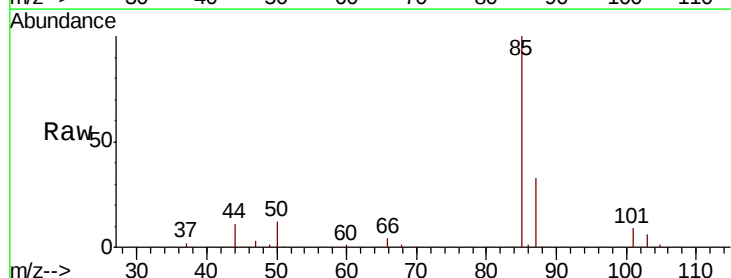
Acq: 22 Sep 2018 00:49

Tgt Ion: 85 Resp: 53116

Ion Ratio Lower Upper

85 100

87 32.5 15.6 46.7



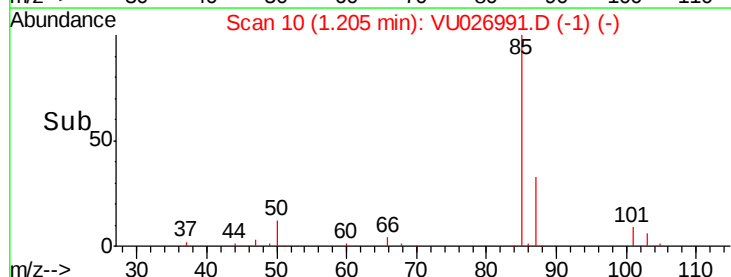
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

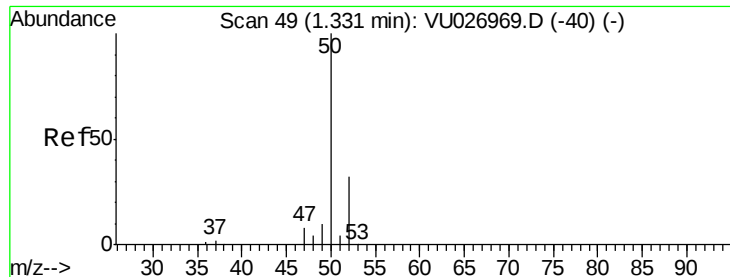
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.104 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 87659

Ion Ratio Lower Upper

50 100

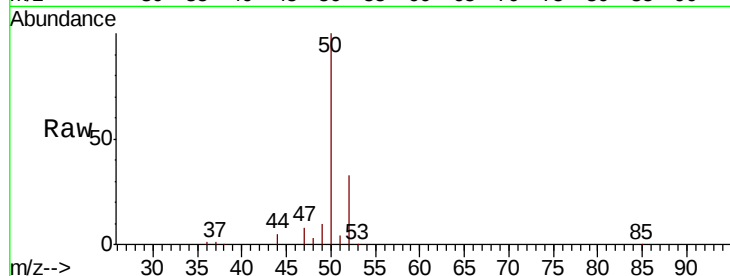
52 32.8 25.9 38.9

Manual Integrations

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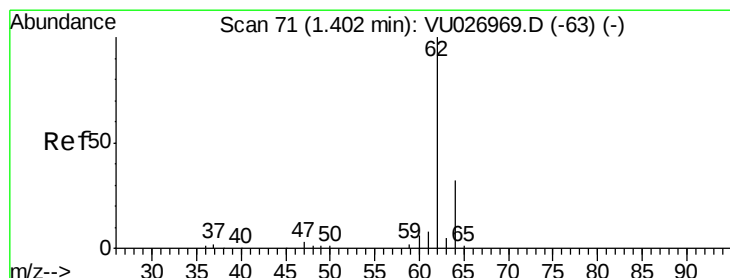
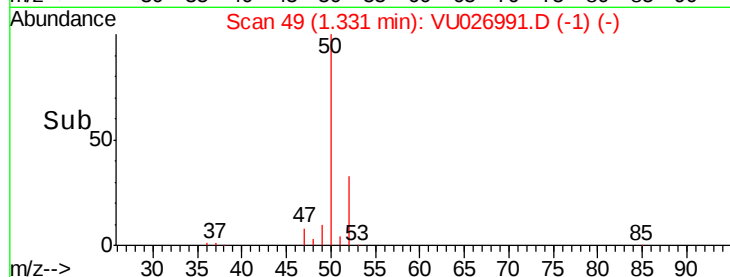
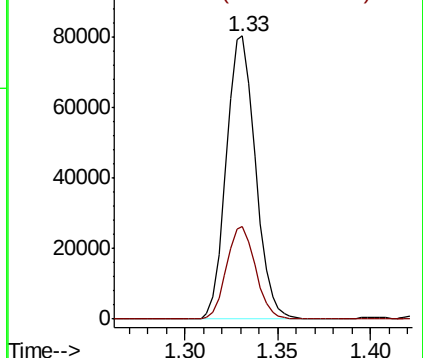
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.275 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026991.D

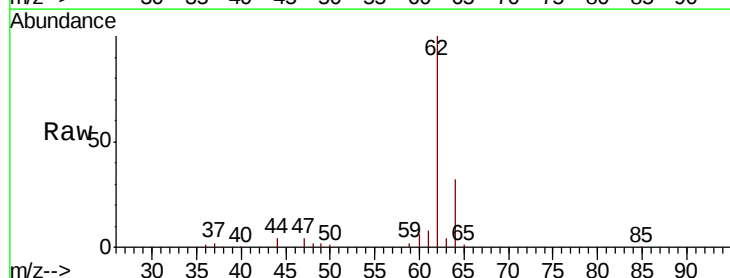
Acq: 22 Sep 2018 00:49

Tgt Ion: 62 Resp: 83949

Ion Ratio Lower Upper

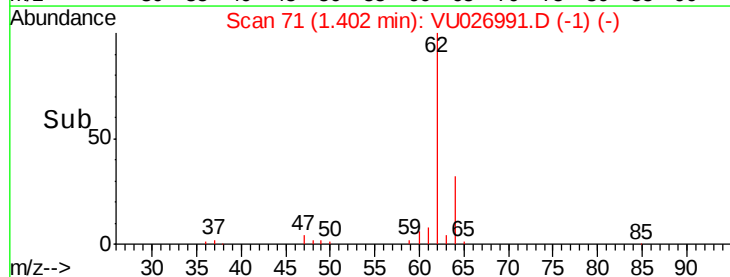
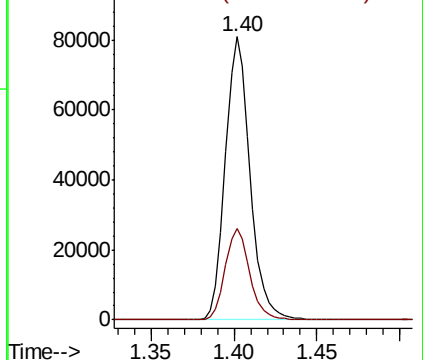
62 100

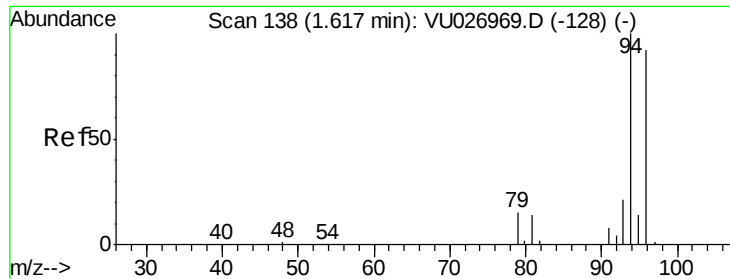
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 44.118 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 45577

Ion Ratio Lower Upper

94 100

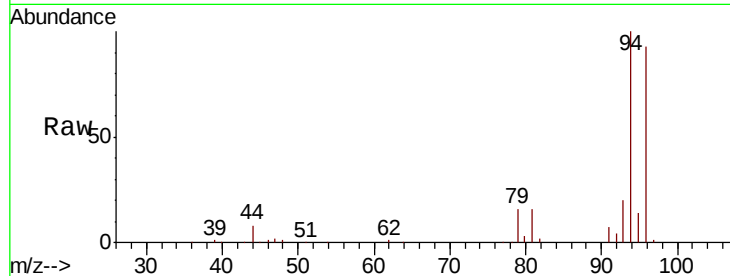
96 93.3 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026991.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026991.D (-128) (-)

1.62

40000

30000

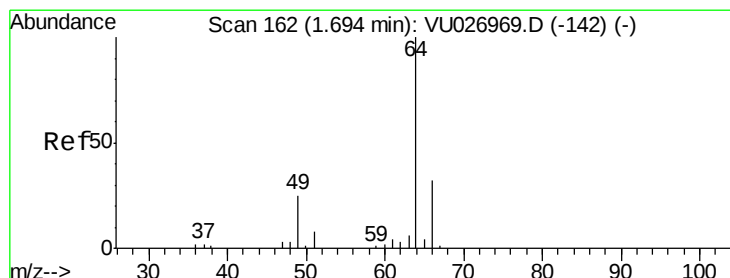
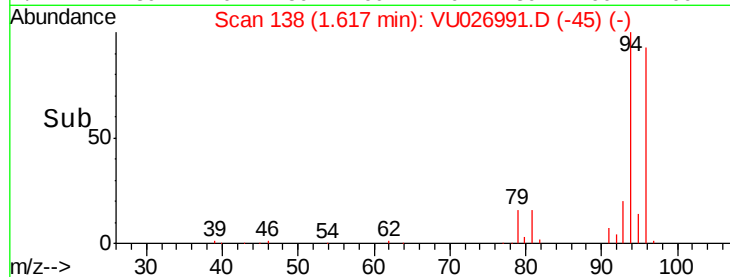
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 46.228 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU026991.D

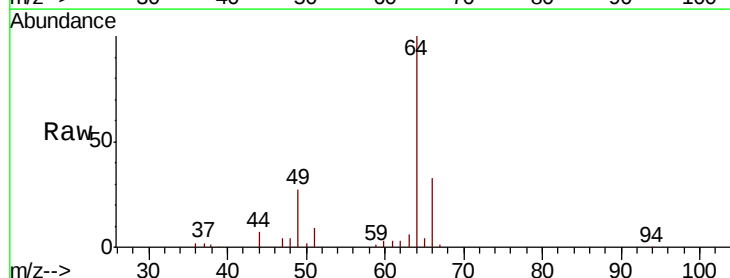
Acq: 22 Sep 2018 00:49

Tgt Ion: 64 Resp: 53584

Ion Ratio Lower Upper

64 100

66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026991.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026991.D (-142) (-)

1.69

40000

30000

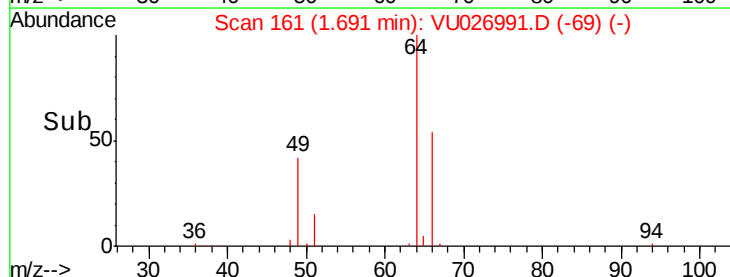
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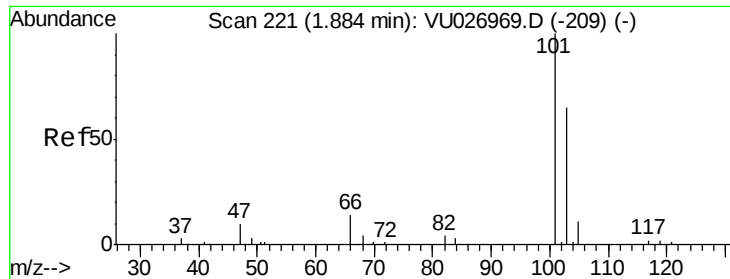
10000

0

1.65 1.70 1.75

Time-->





#7

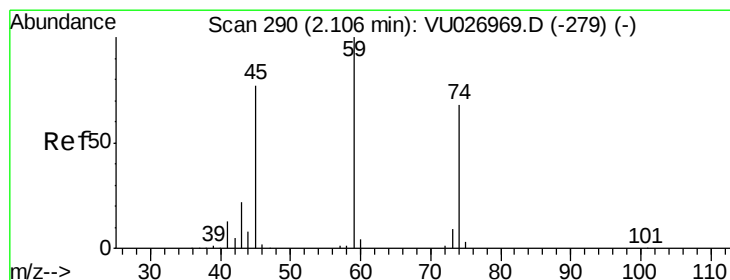
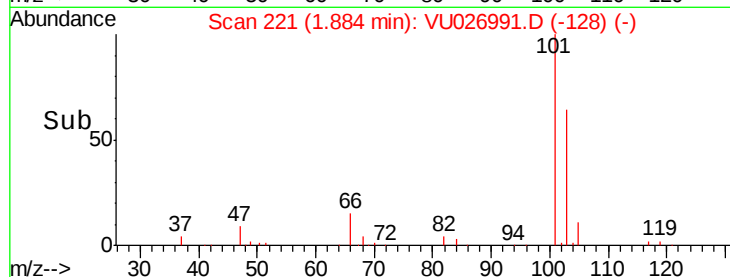
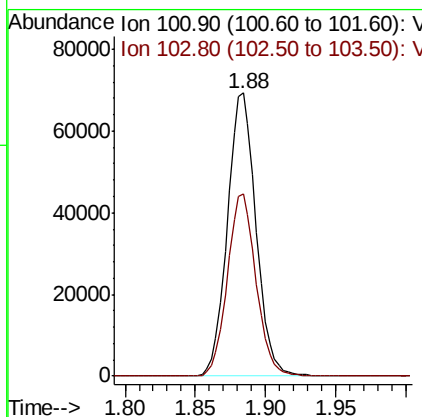
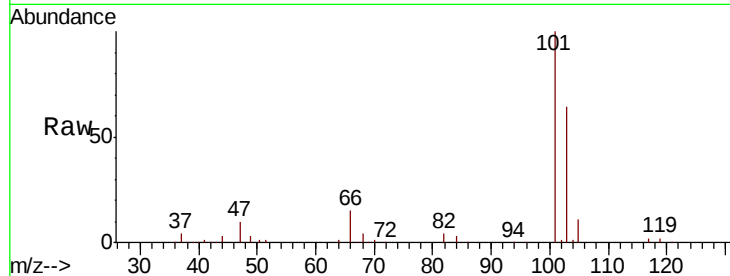
Trichlorofluoromethane
 Concen: 47.750 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

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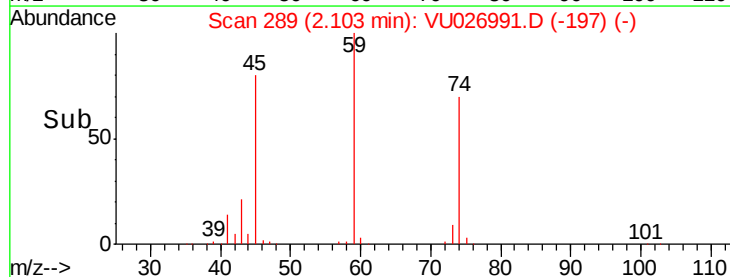
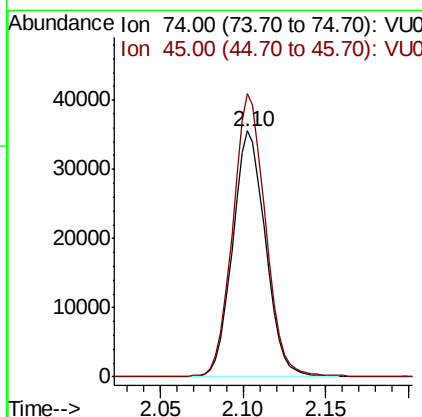
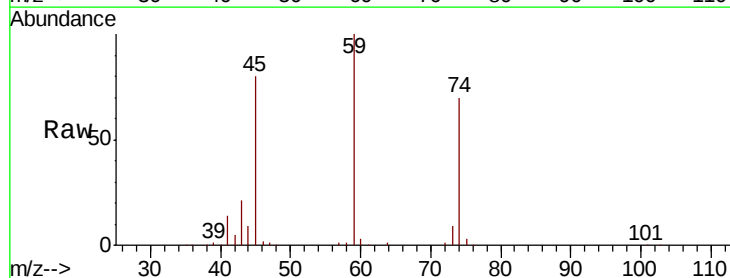
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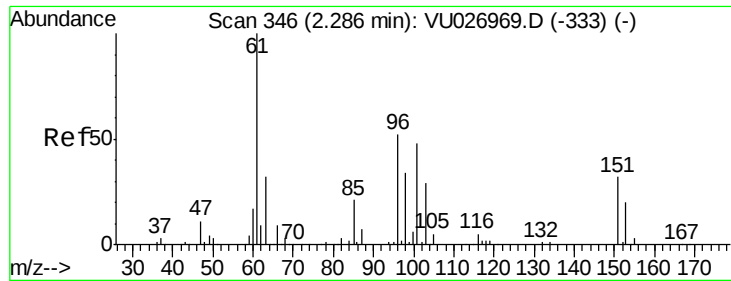


#8

Diethyl Ether
 Concen: 49.336 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.1	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.578 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

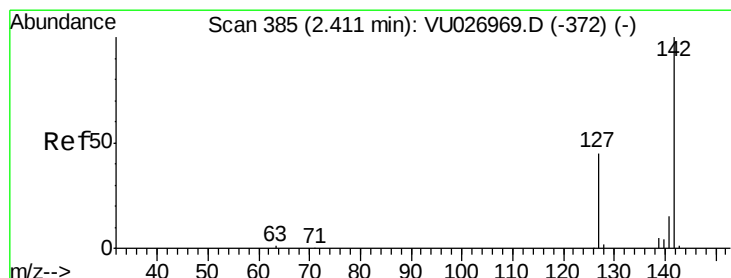
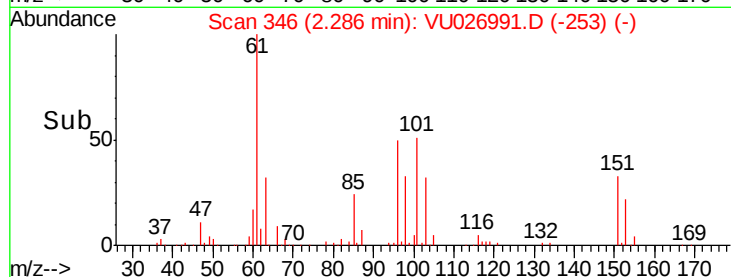
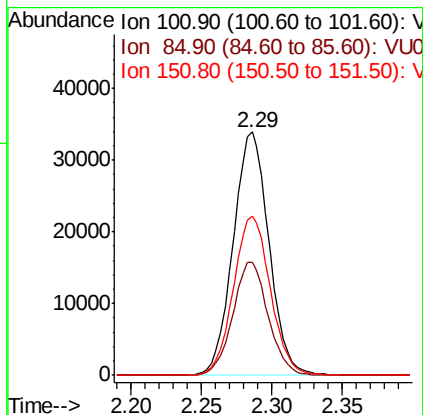
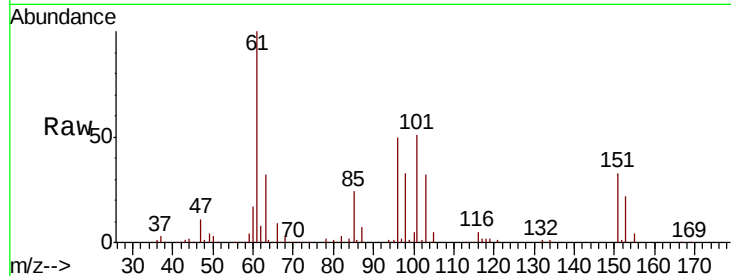
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	60276
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.2	54.2
151	67.6	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 37.421 ug/l

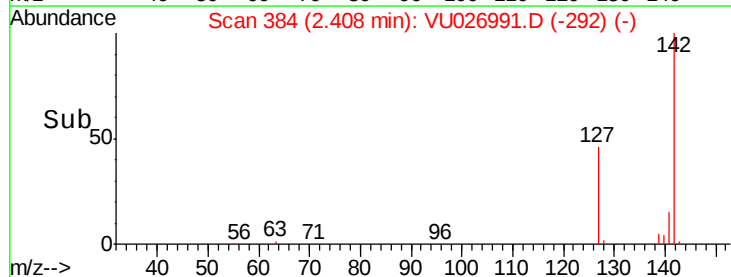
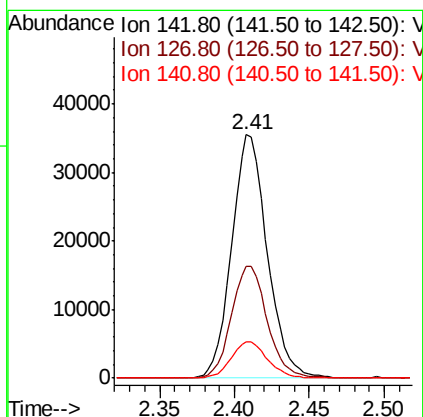
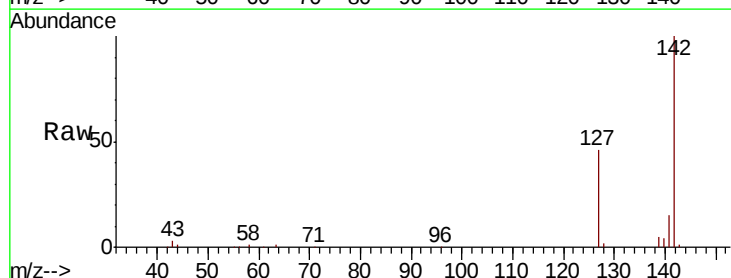
RT: 2.41 min Scan# 384

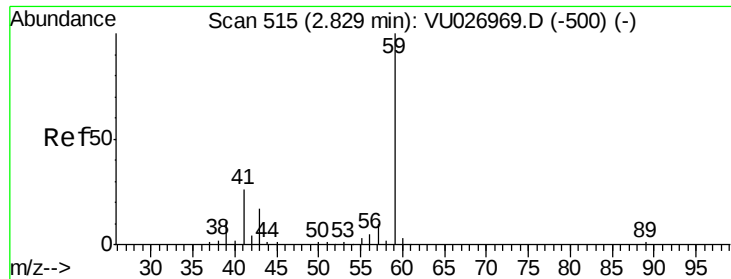
Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion:	142	Resp:	58797
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	15.0	11.8	17.6





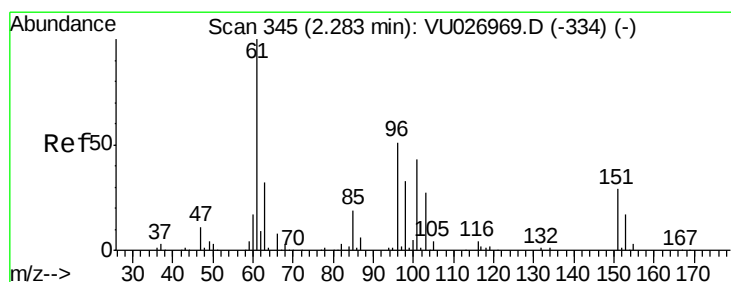
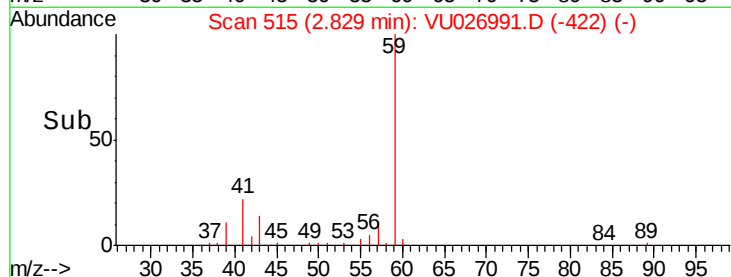
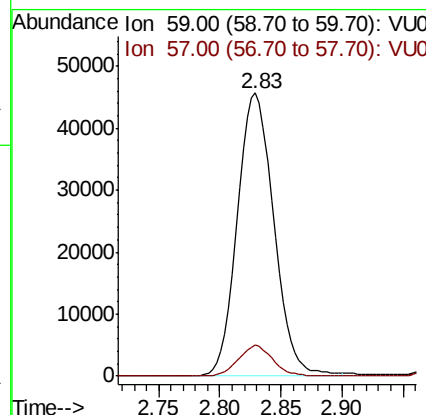
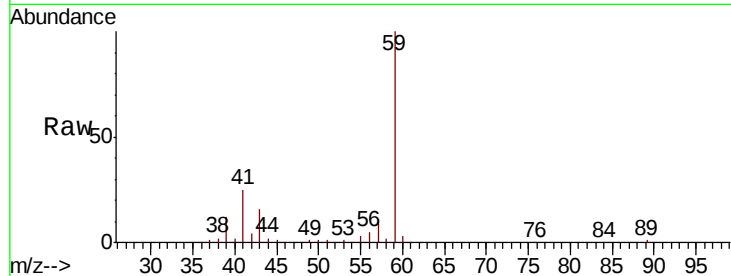
#11
Tert butyl alcohol
Concen: 238.705 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

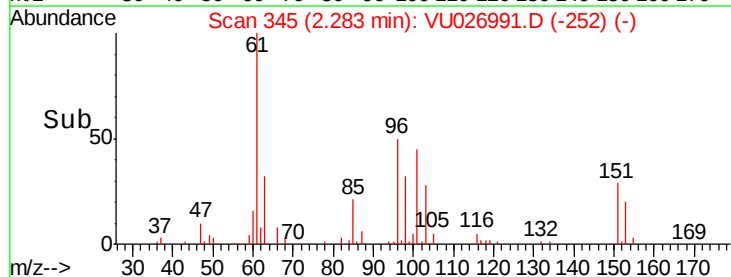
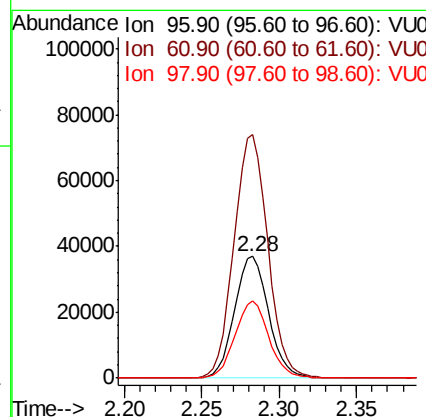
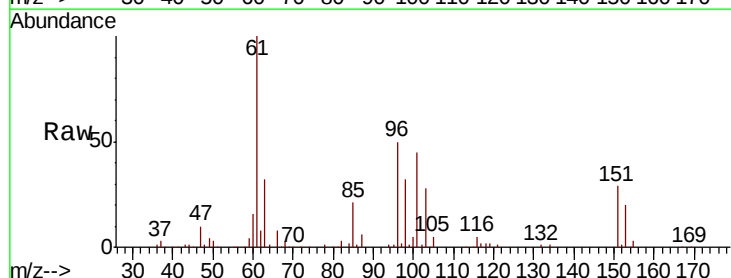
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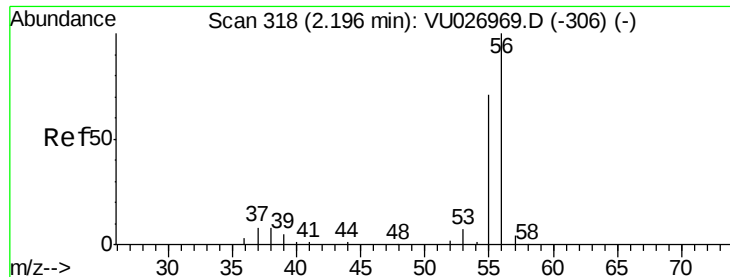
MMDadoda
9/24/2018 2:14:15 PM



#12
1,1-Dichloroethene
Concen: 47.064 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.2	156.1	234.1
98	63.2	51.4	77.0





#13

Acrolein

Concen: 259.291 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55670

Ion Ratio Lower Upper

56 100

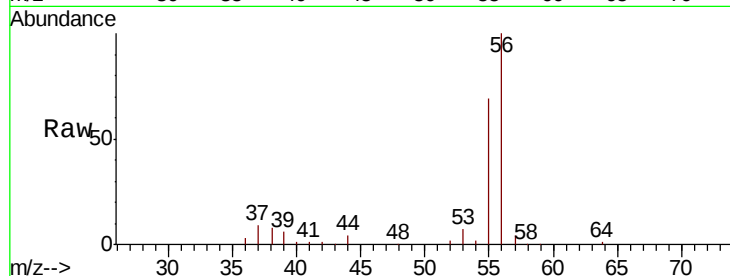
55 70.1 57.1 85.7

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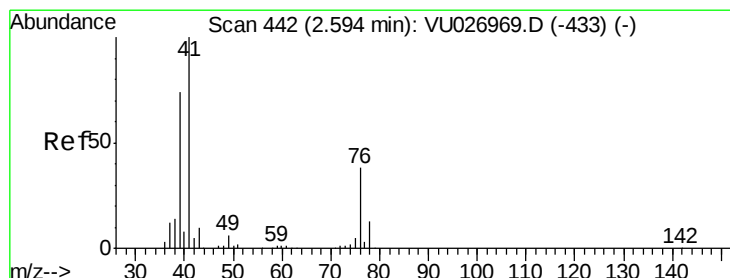
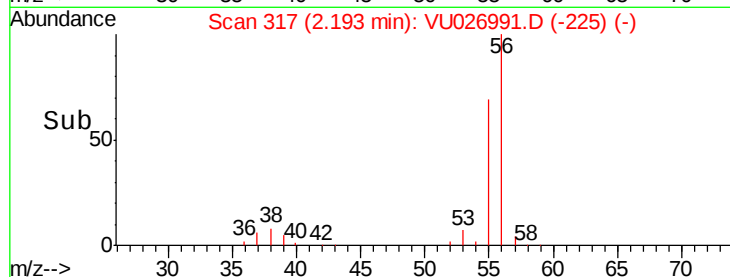
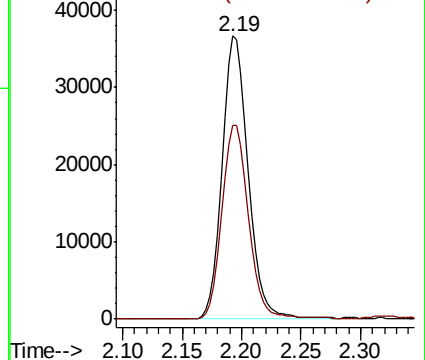
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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 50.024 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

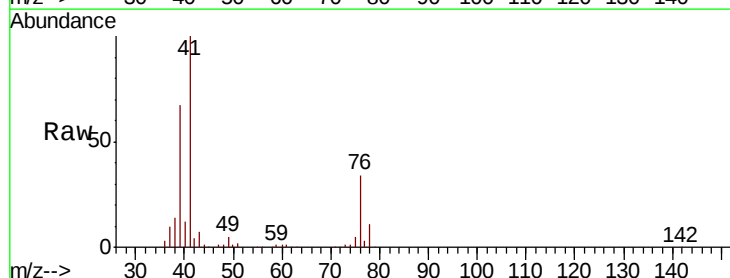
Tgt Ion: 41 Resp: 120985

Ion Ratio Lower Upper

41 100

39 68.0 55.7 83.5

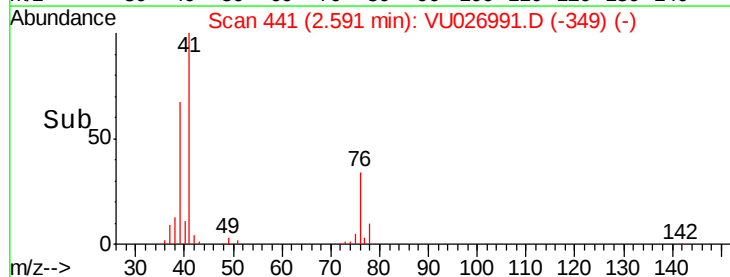
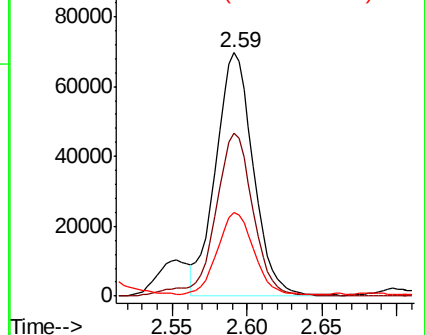
76 32.8 26.5 39.7

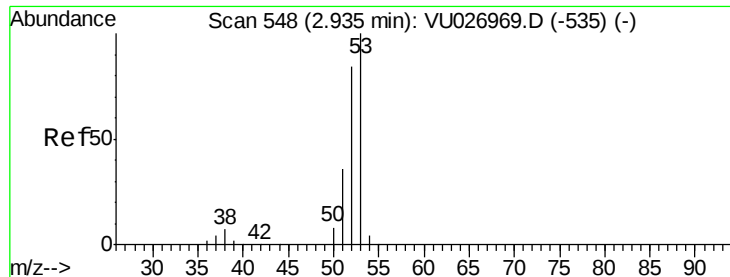


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 246.181 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

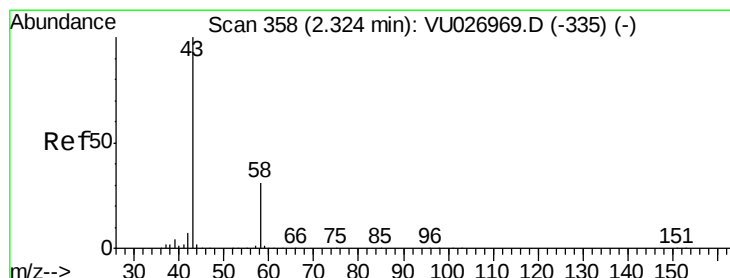
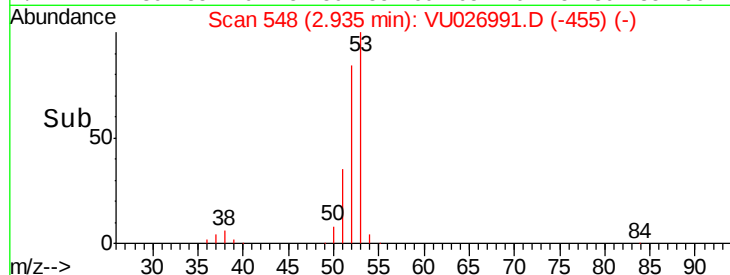
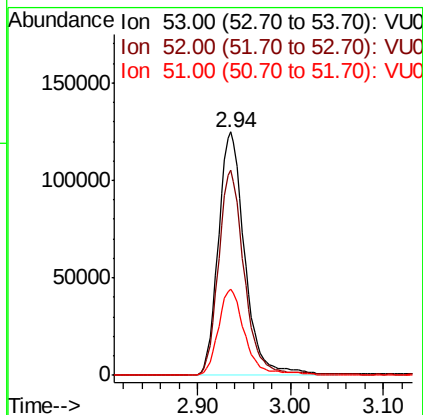
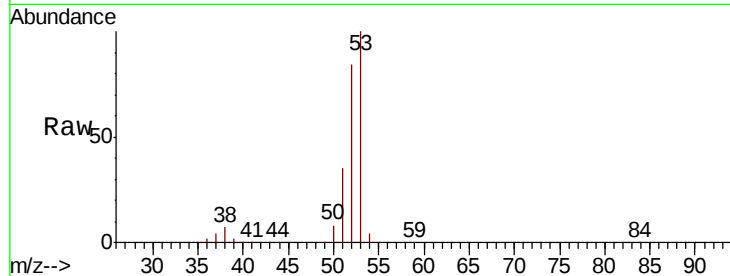
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	247123
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	36.0	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 232.568 ug/l

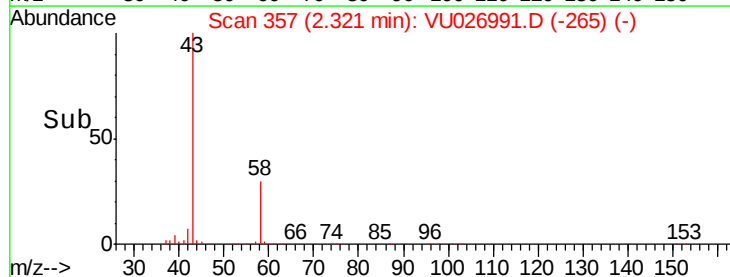
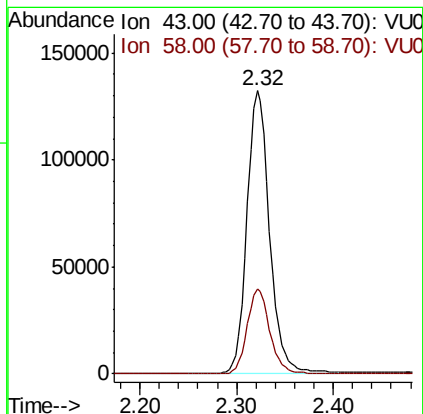
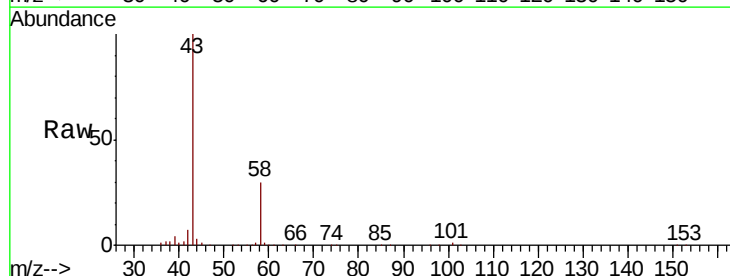
RT: 2.32 min Scan# 357

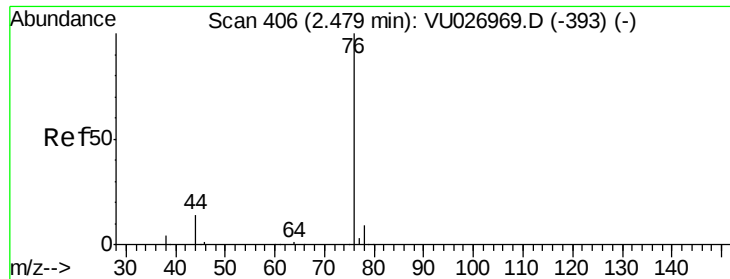
Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion:	43	Resp:	215734
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	36.8





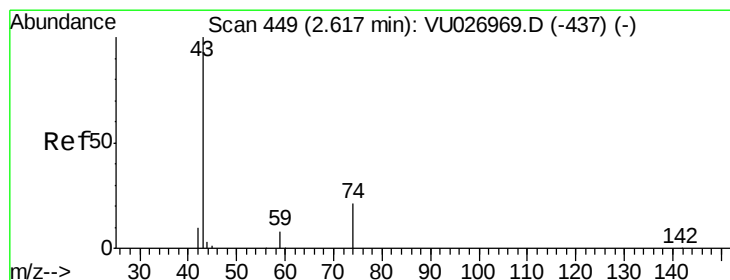
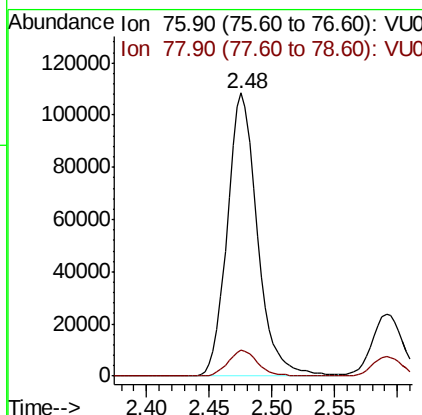
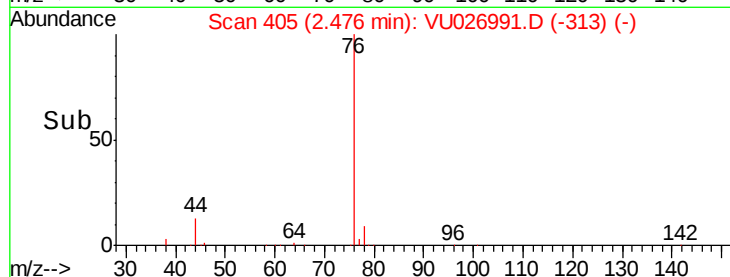
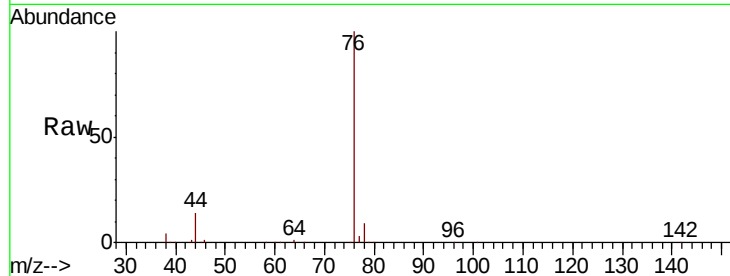
#17
Carbon Disulfide
Concen: 46.527 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

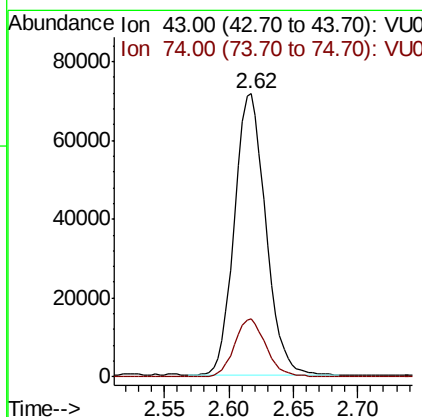
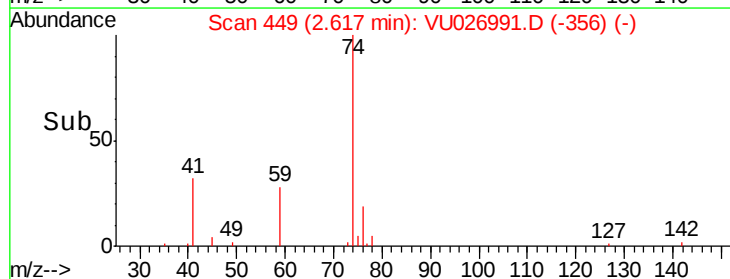
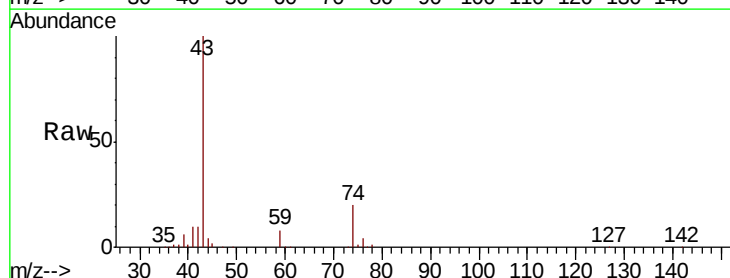
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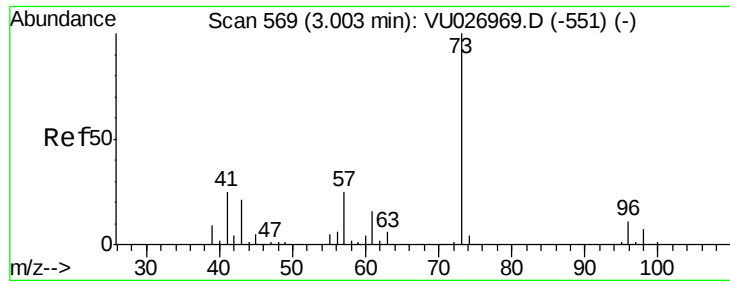
MMDadoda
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#18
Methyl Acetate
Concen: 48.807 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.6	25.0





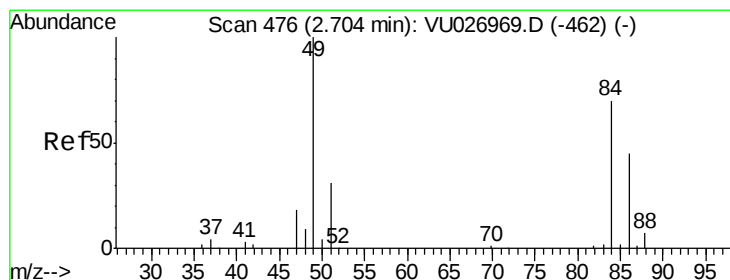
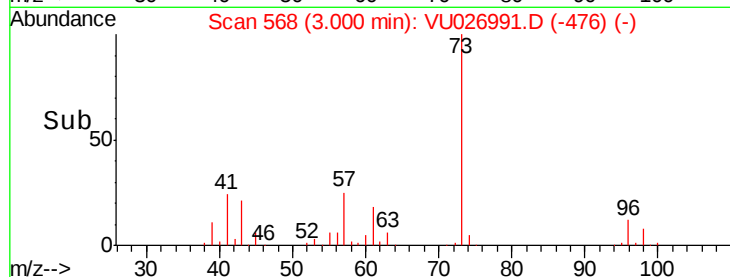
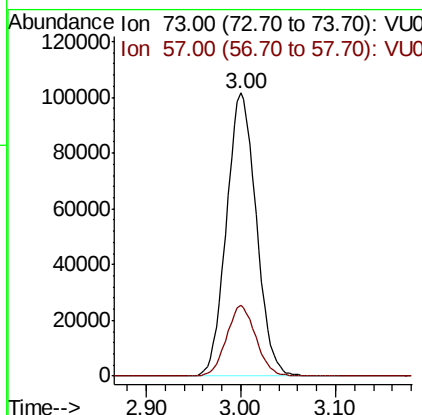
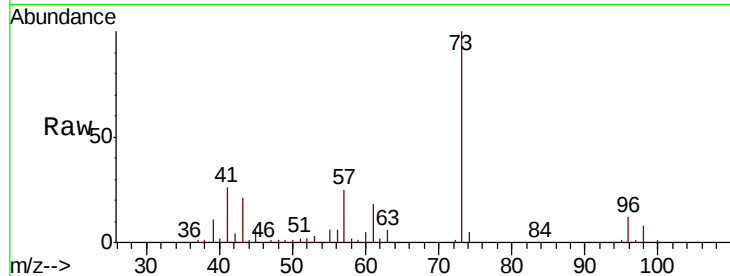
#19
Methvl tert-butvl Ether
Concen: 50.697 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.9	19.8	29.6

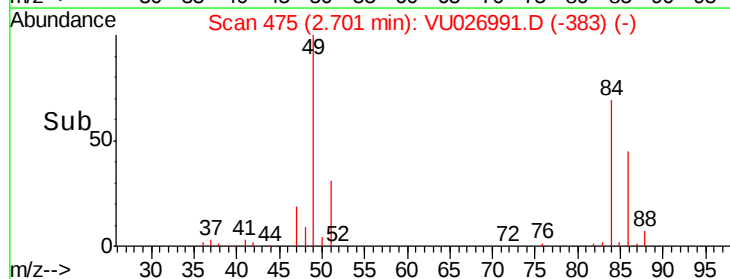
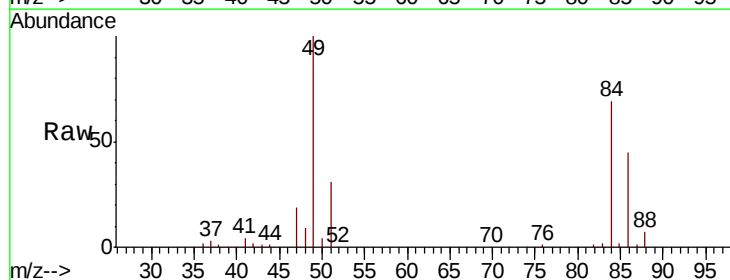
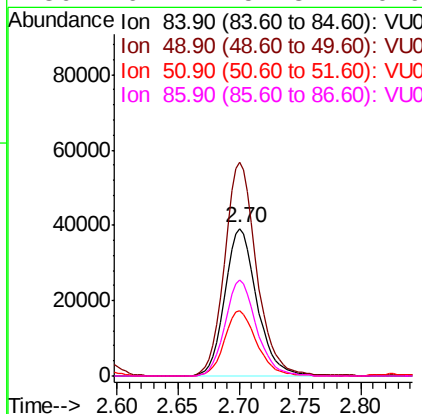
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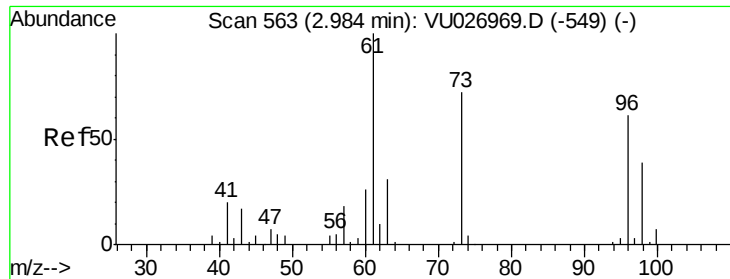
MMDadoda
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#20
Methylene Chloride
Concen: 46.439 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.7	114.9	172.3
51	44.2	35.8	53.8
86	64.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 50.183 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 63889

Ion Ratio Lower Upper

96 100

61 160.2 131.8 197.6

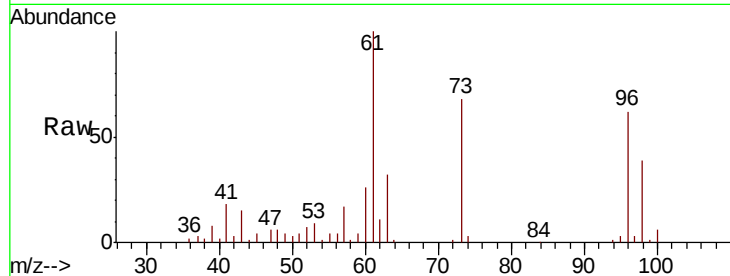
98 62.6 50.9 76.3

Manual Integrations

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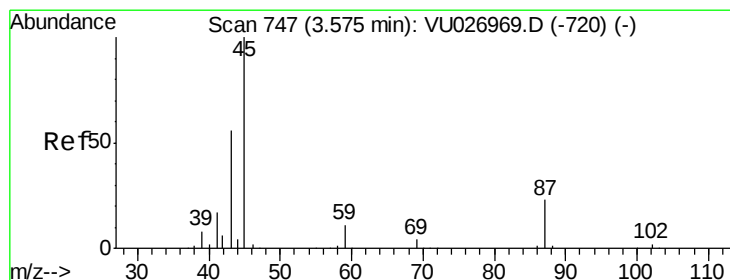
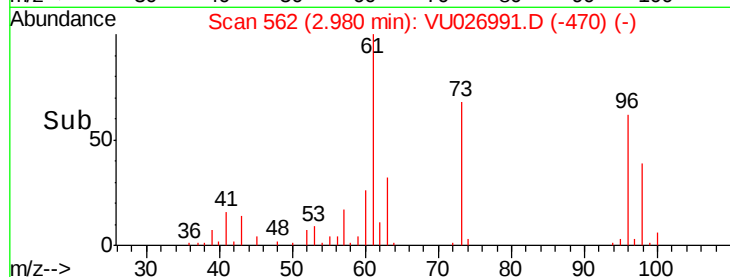
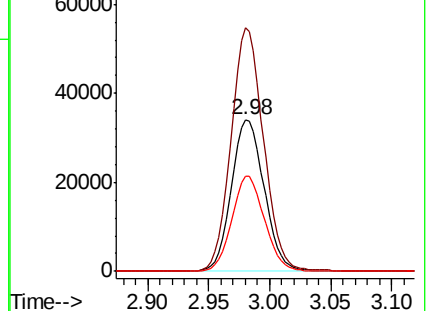
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Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 52.283 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion: 45 Resp: 270463

Ion Ratio Lower Upper

45 100

43 56.2 45.8 68.6

87 22.4 18.6 28.0

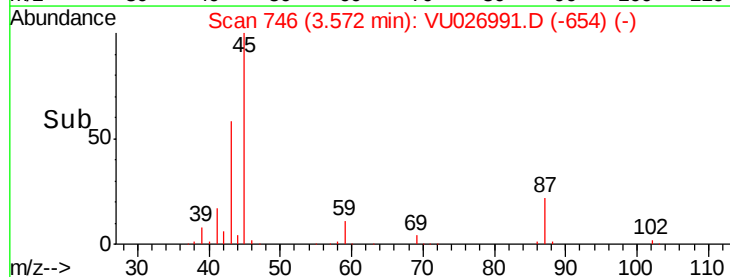
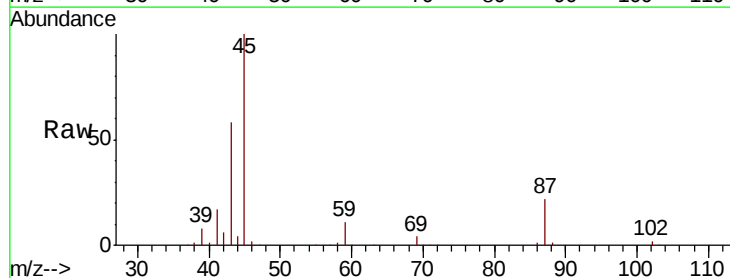
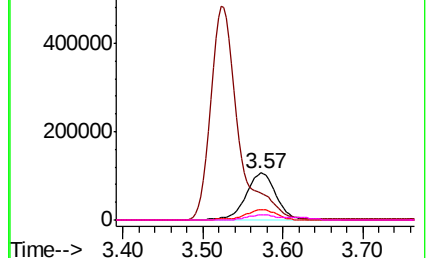
59 11.0 9.0 13.4

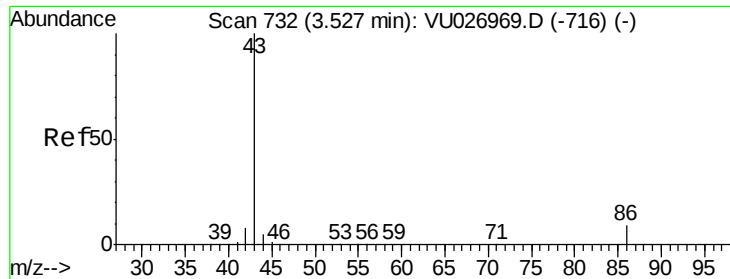
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 262.951 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tot Ion: 43 Resp: 1159506

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

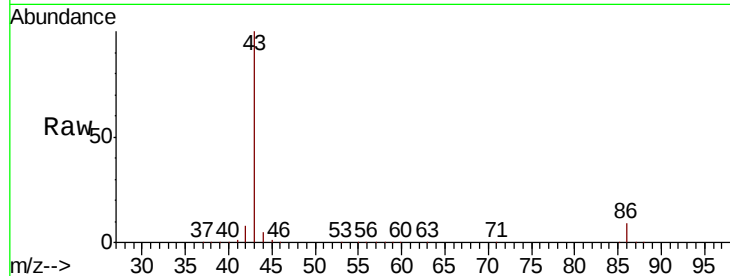
VSTDCCC050EC

Manual Integrations

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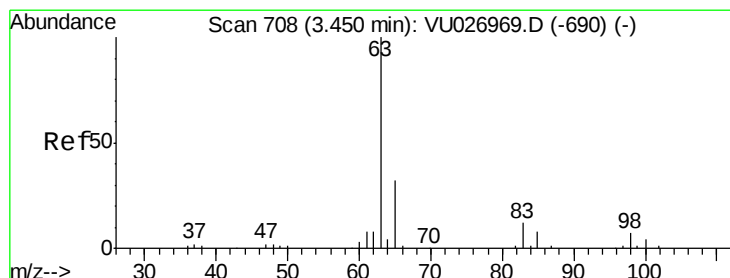
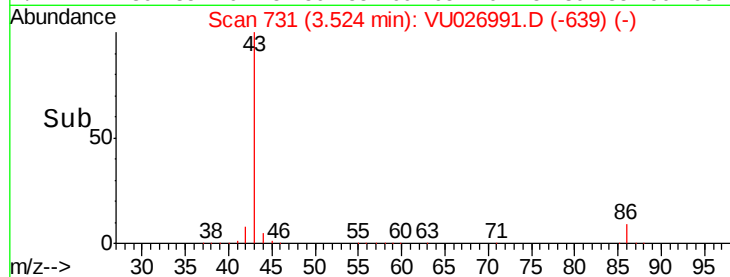
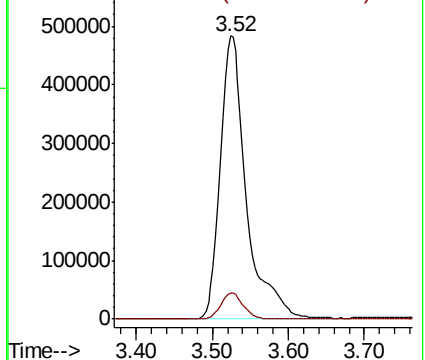
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 49.954 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

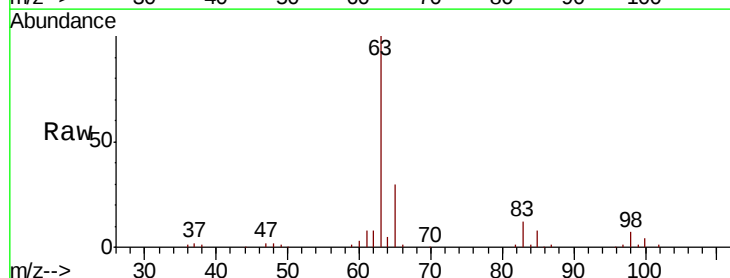
Tgt Ion: 63 Resp: 142325

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

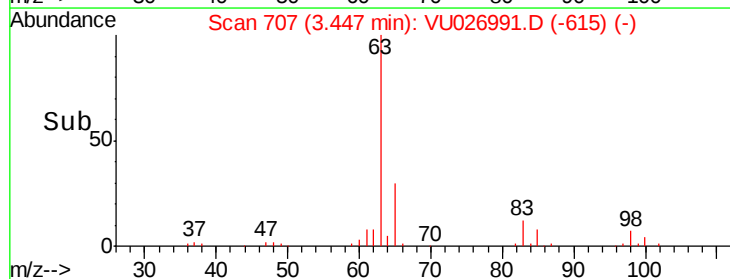
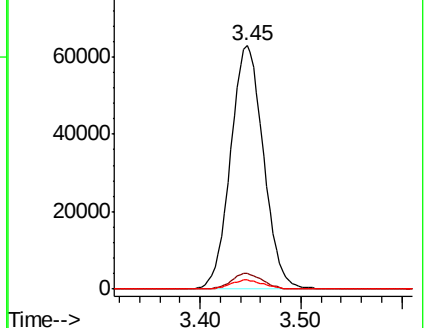
100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 238.694 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 348565

Ion Ratio Lower Upper

43 100

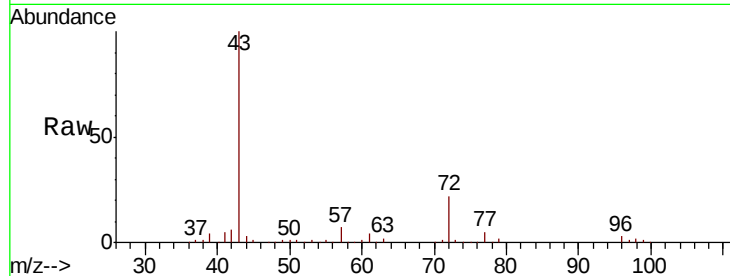
72 22.3 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

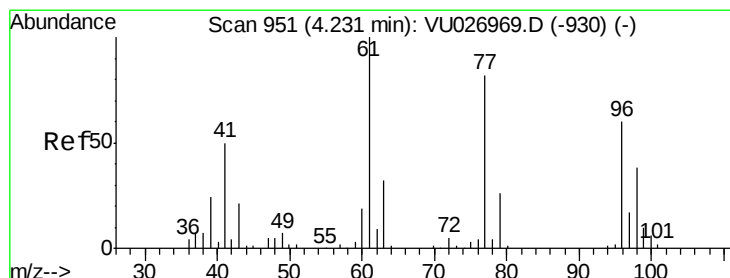
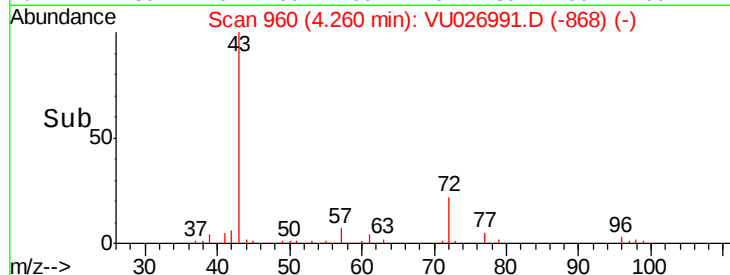
100000

50000

0

4.20 4.26 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 41.509 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026991.D

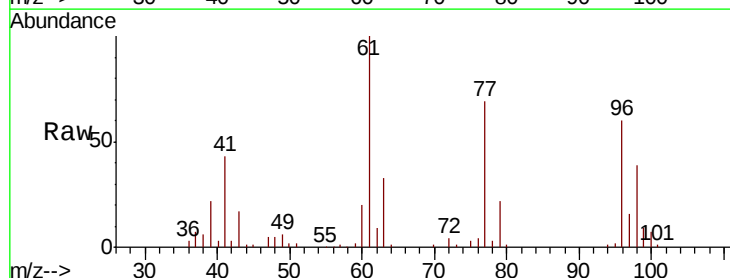
Acq: 22 Sep 2018 00:49

Tgt Ion: 77 Resp: 92231

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

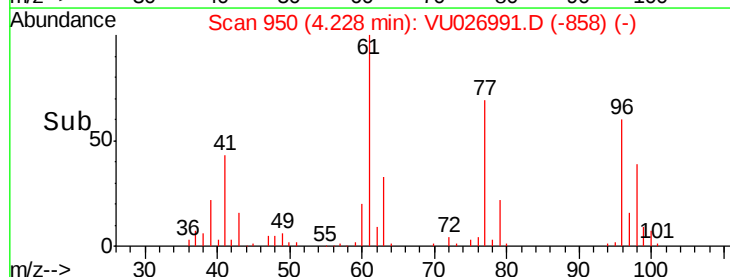
20000

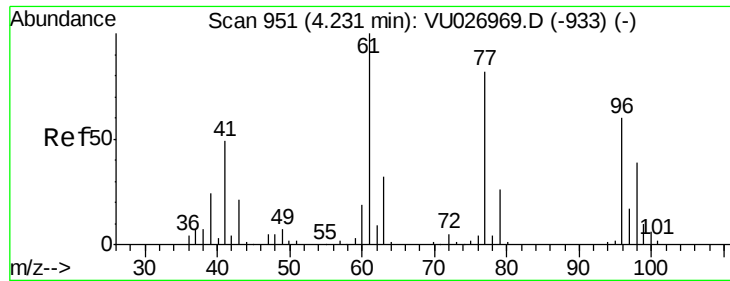
10000

0

4.10 4.20 4.23 4.30

Time-->





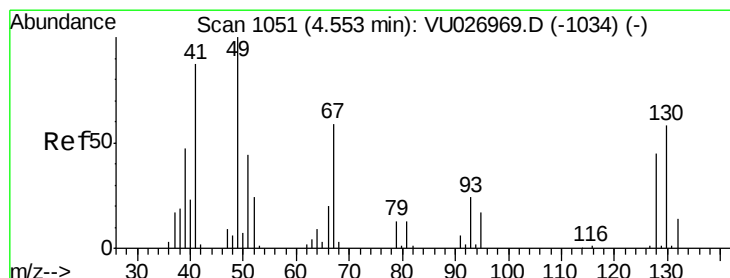
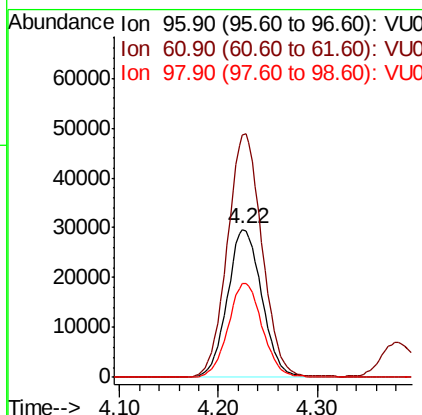
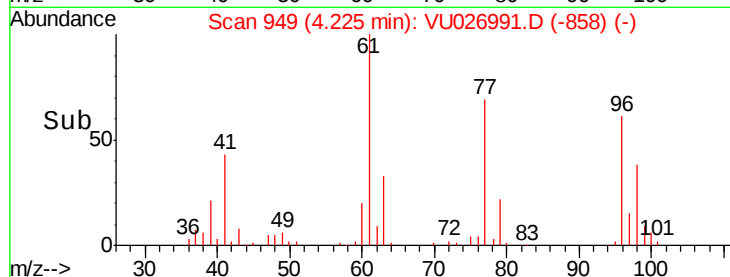
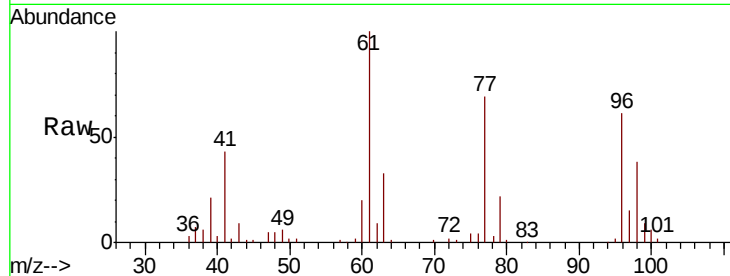
#27
 cis-1,2-Dichloroethene
 Concen: 50.144 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	337.2
98	63.2	0.0	127.6

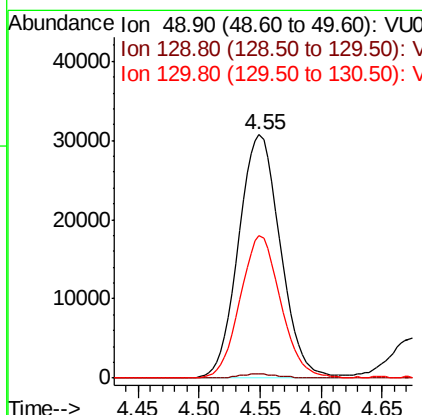
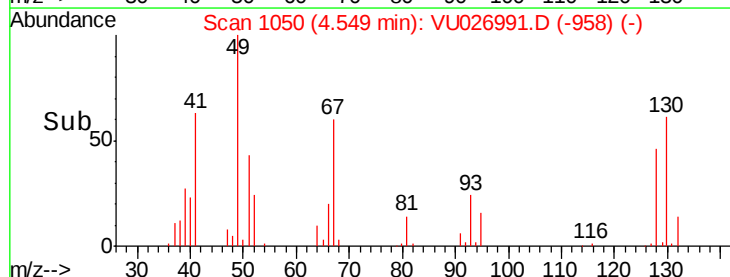
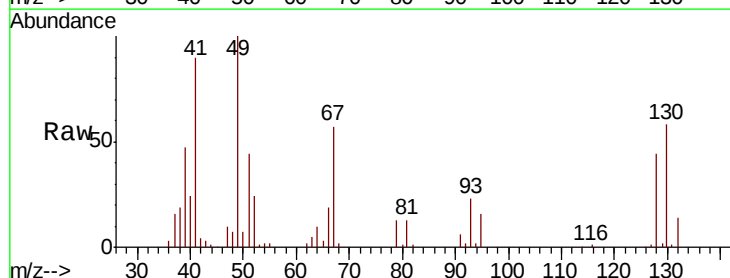
Manual Integrations
 APPROVED

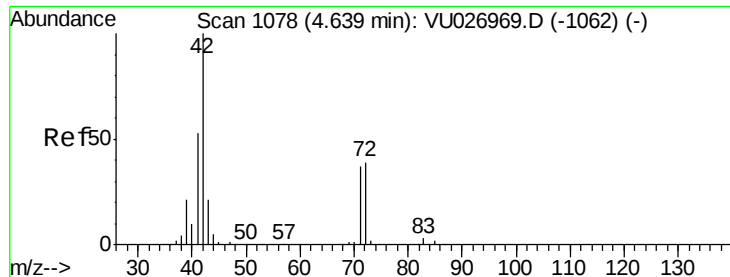
MMDadoda
 9/24/2018 2:14:15 PM



#28
 Bromochloromethane
 Concen: 53.025 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	56.8	47.8	71.8





#29

Tetrahydrofuran

Concen: 255.429 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

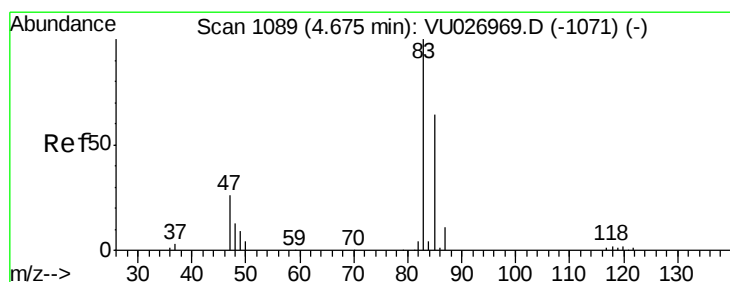
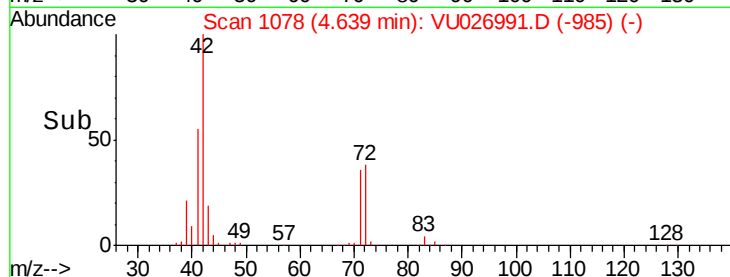
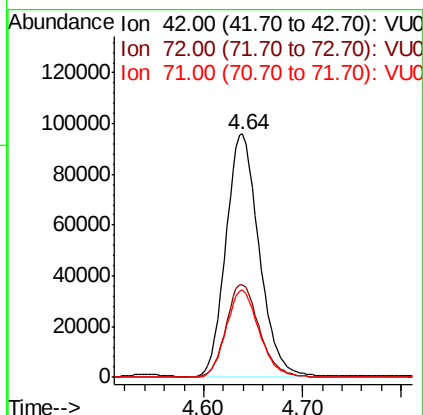
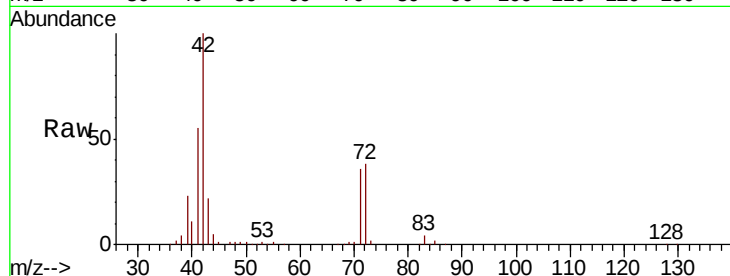
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	225642
Ion	Ratio	Lower	Upper
42	100		
72	38.7	31.7	47.5
71	36.0	29.6	44.4

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#30

Chloroform

Concen: 48.209 ug/l

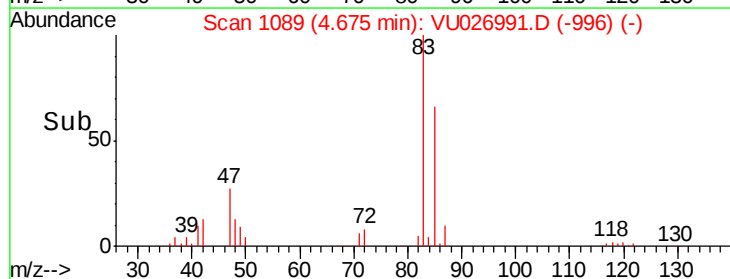
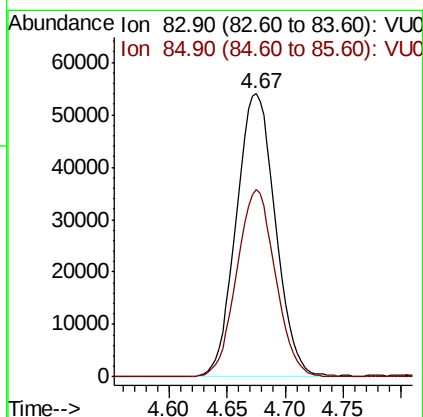
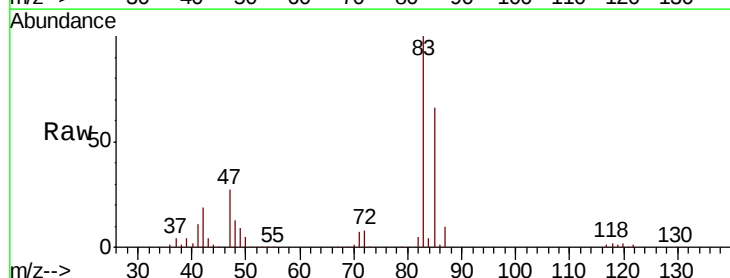
RT: 4.67 min Scan# 1089

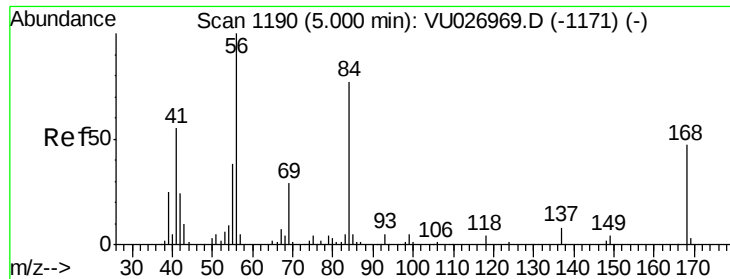
Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion:	83	Resp:	127495
Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.5	77.3





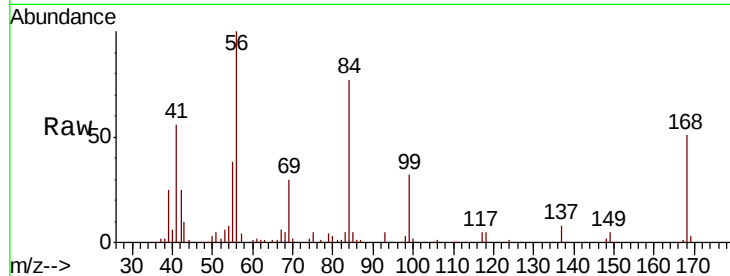
#31
Cyclohexane
Concen: 50.378 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.0	34.4
84	76.5	61.4	92.2

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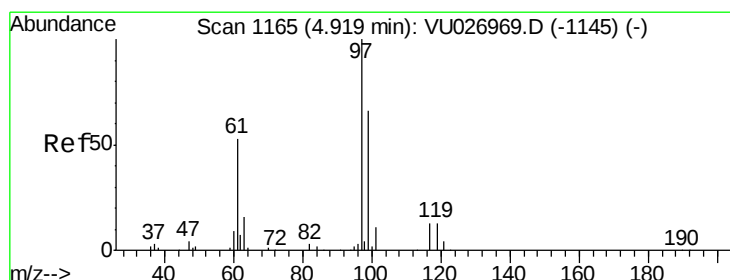
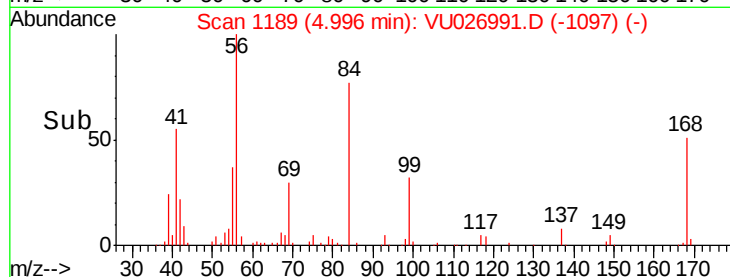
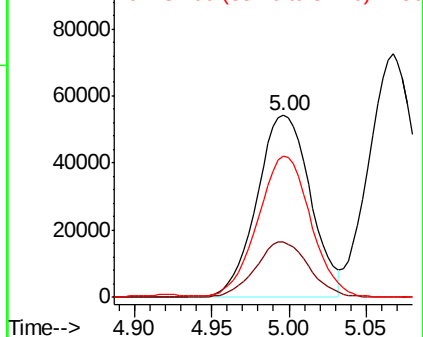


Abundance

Ion 56.00 (55.70 to 56.70): VU0

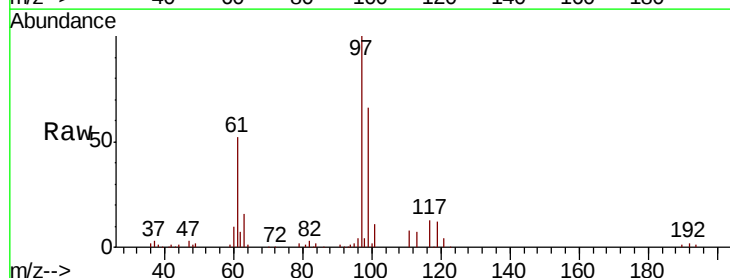
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 49.240 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	51.6	41.1	61.7

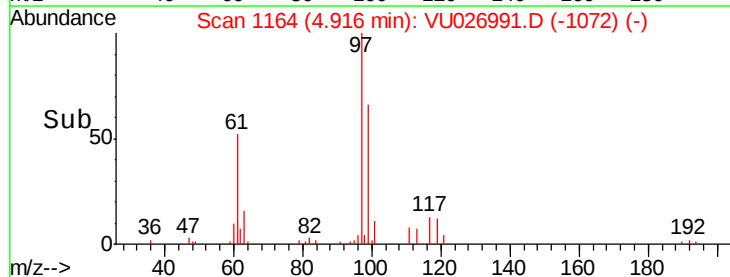
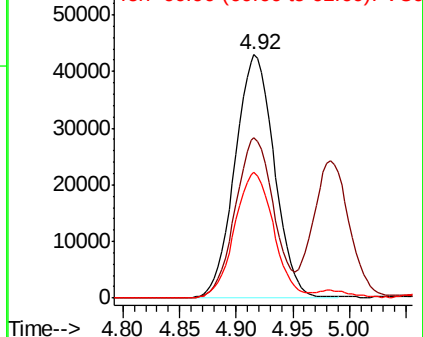


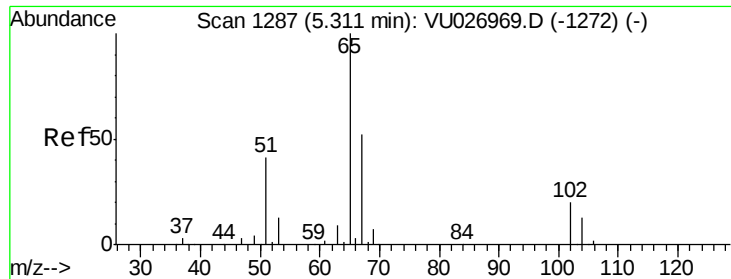
Abundance

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





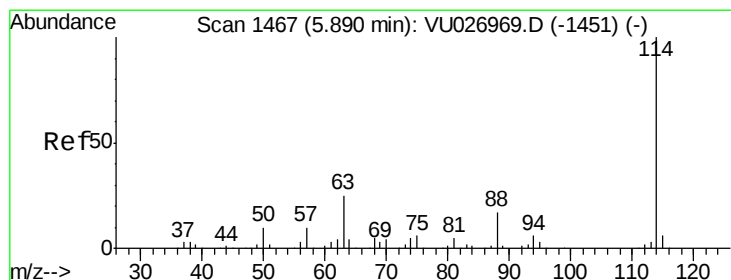
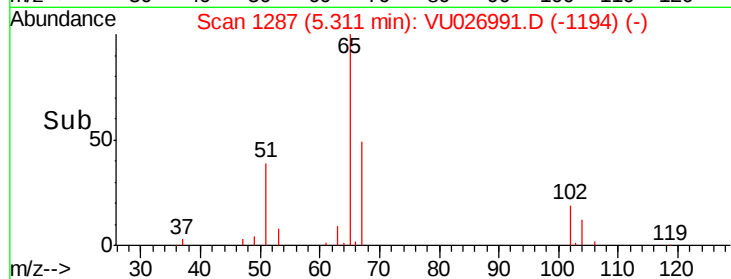
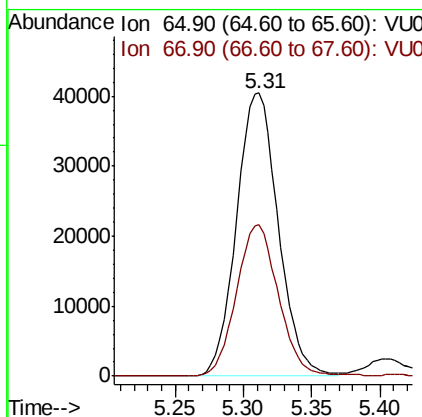
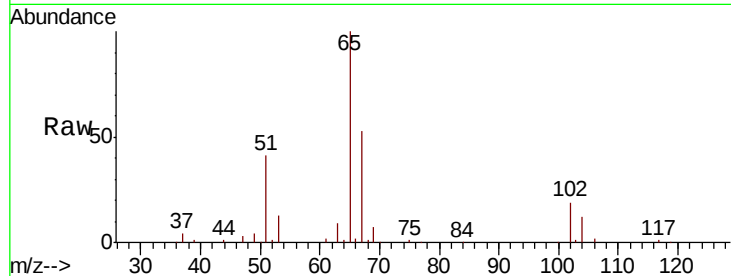
#33
 1,2-Dichloroethane-d4
 Concen: 49.551 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	105.6

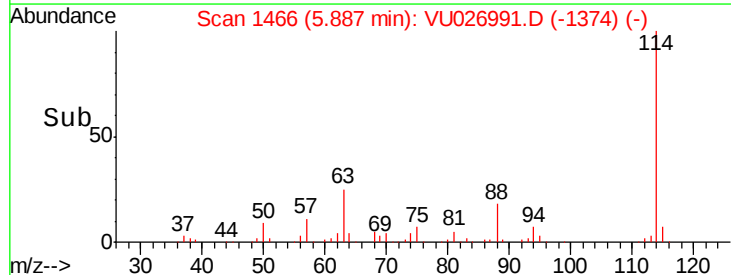
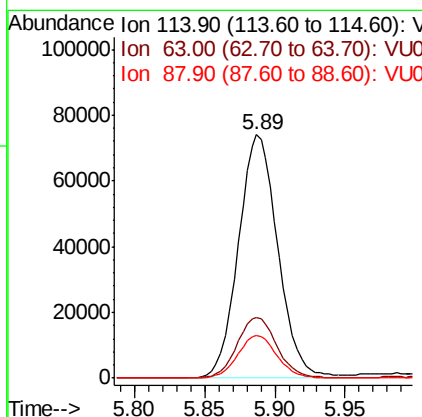
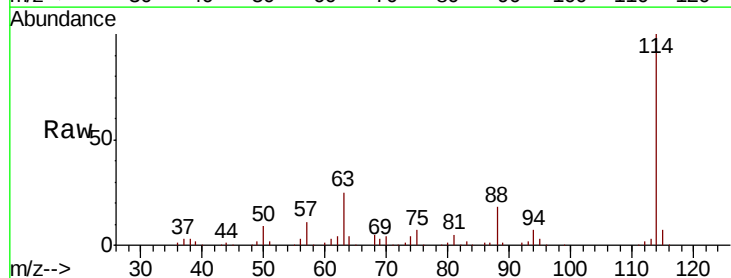
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.0	0.0	49.2
88	17.7	0.0	33.8





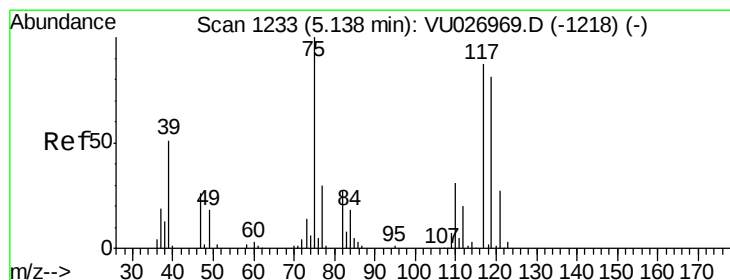
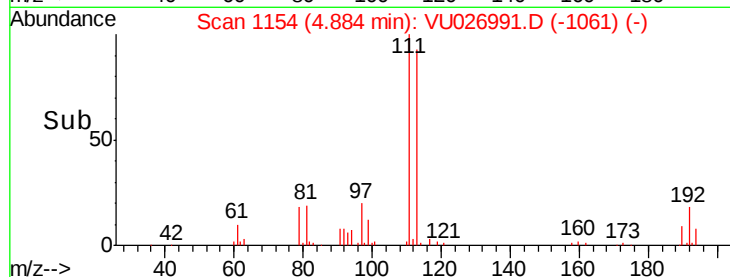
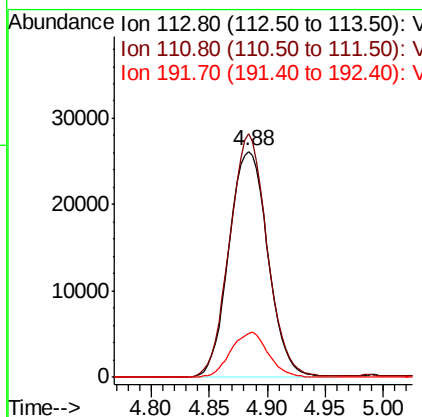
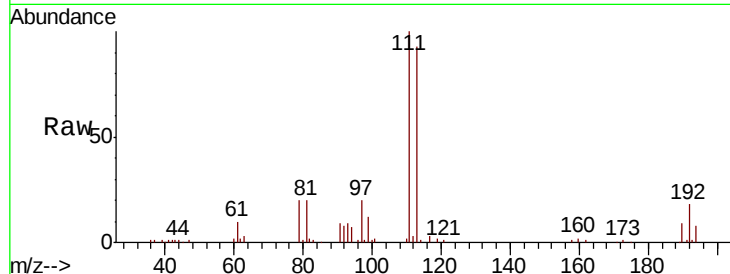
#35
 Dibromofluoromethane
 Concen: 48.808 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.2	123.4	
192	19.1	15.2	22.8	

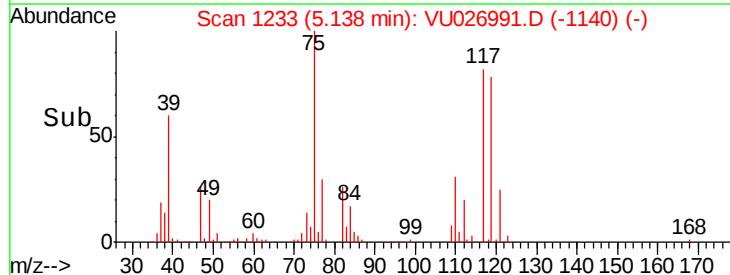
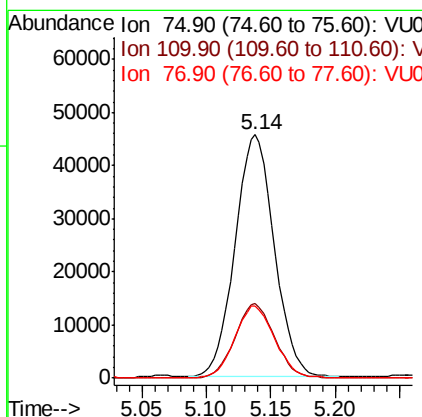
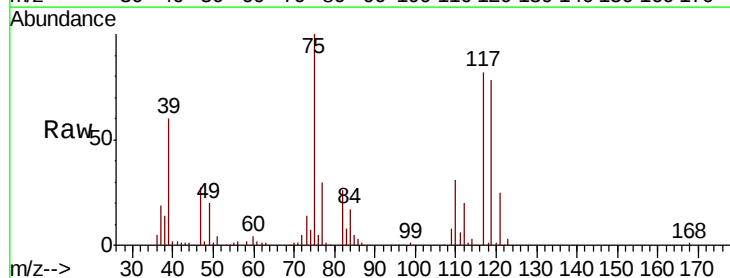
Manual Integrations
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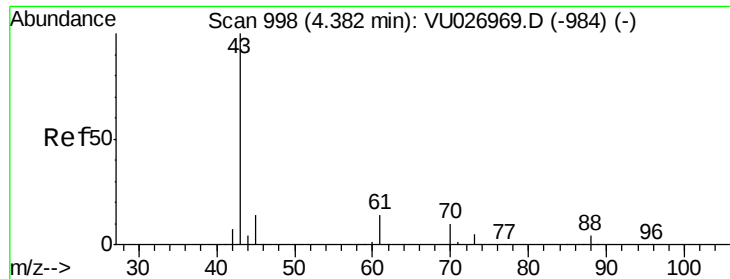
MMDadoda
 9/24/2018 2:14:15 PM



#36
 1,1-Dichloropropene
 Concen: 49.728 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.2	16.1	48.2	
77	30.6	24.6	36.8	





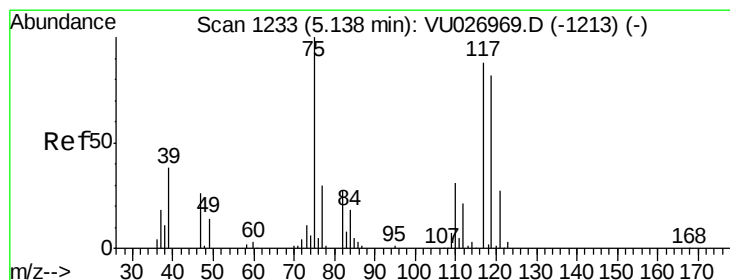
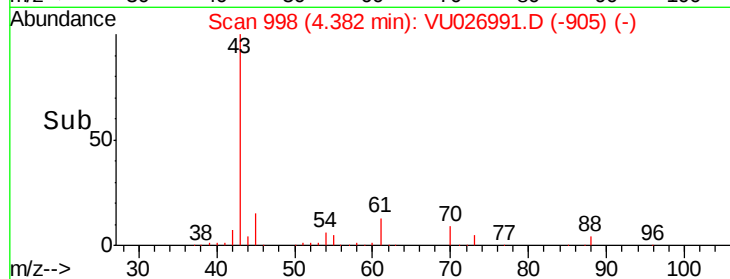
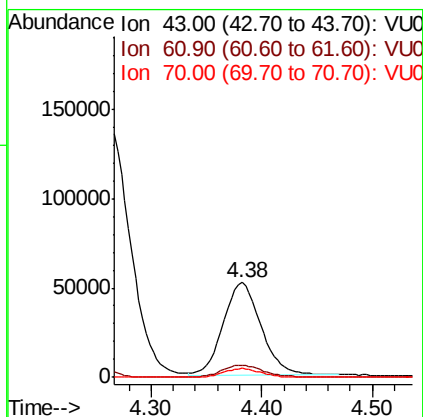
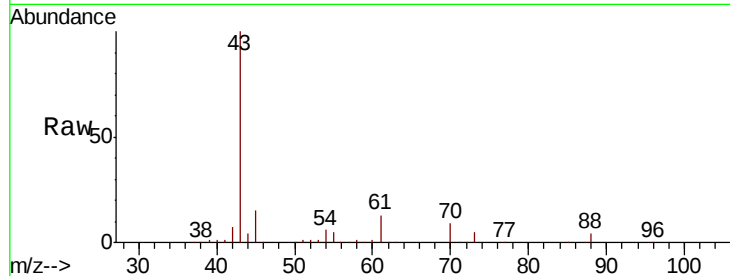
#37
Ethyl Acetate
Concen: 47.570 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.3	7.4	11.0

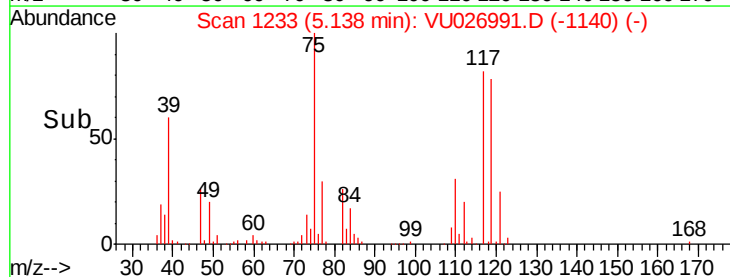
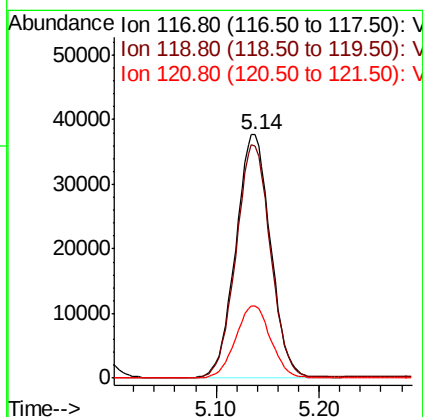
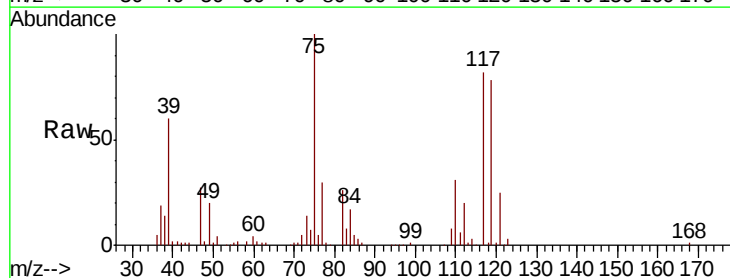
Manual Integrations
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9/24/2018 2:14:15 PM



#38
Carbon Tetrachloride
Concen: 48.124 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.4	111.6
121	29.8	24.2	36.4





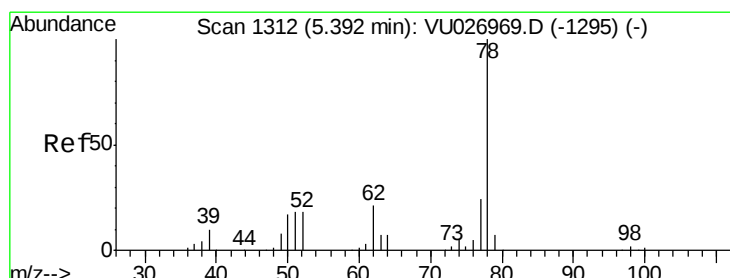
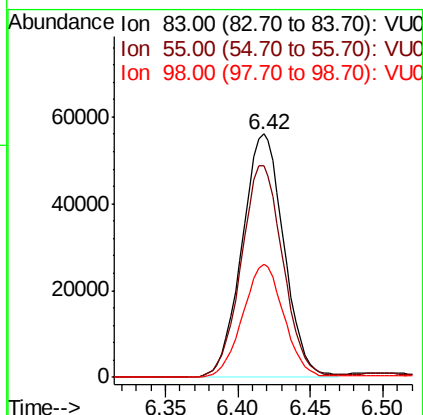
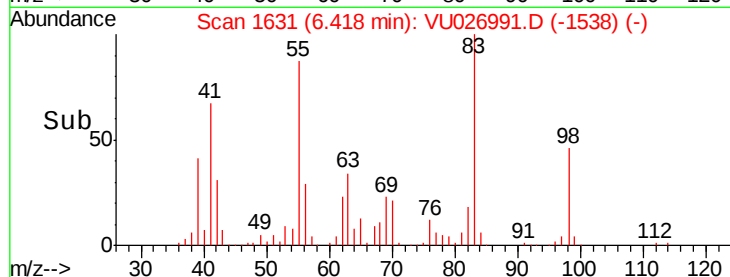
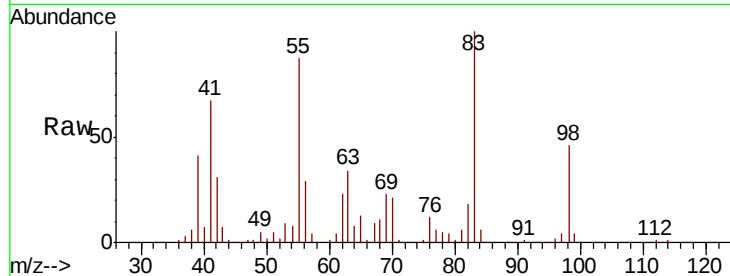
#39
Methvlcvclohexane
Concen: 53.579 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	69.9	104.9
98	46.5	37.5	56.3

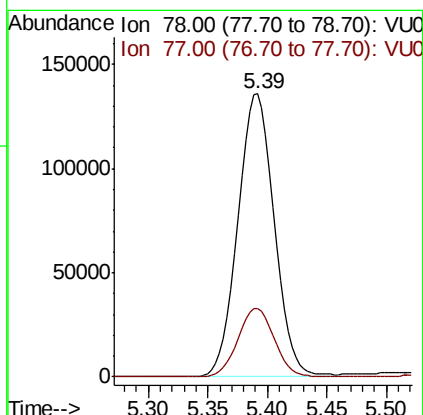
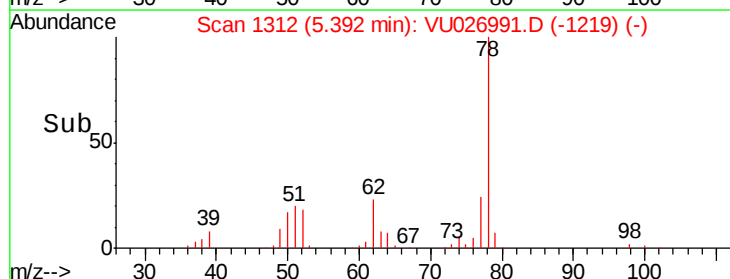
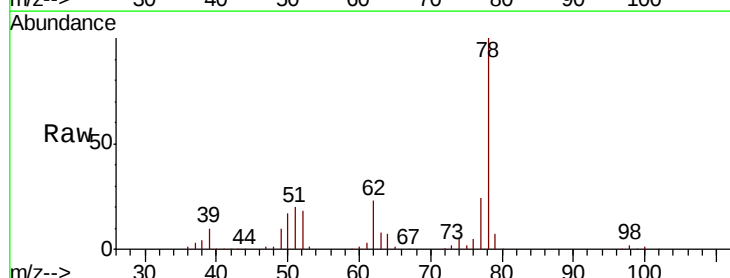
Manual Integrations
APPROVED

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9/24/2018 2:14:15 PM



#40
Benzene
Concen: 49.147 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





#41

Methacrylonitrile

Concen: 52.242 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70989

Ion Ratio Lower Upper

41 100

39 53.8 42.9 64.3

67 65.0 52.4 78.6

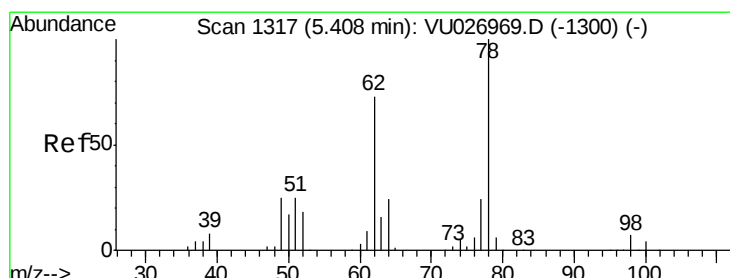
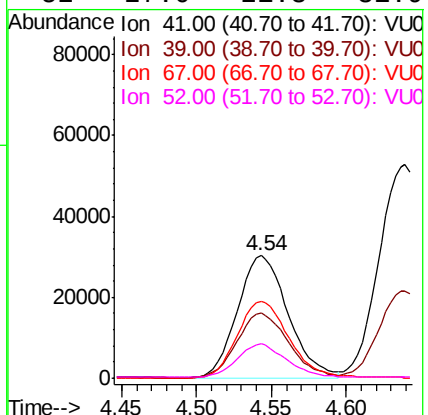
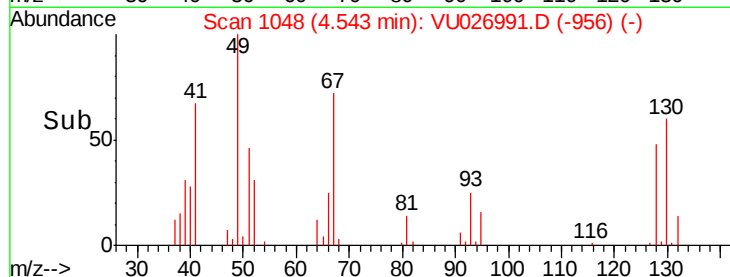
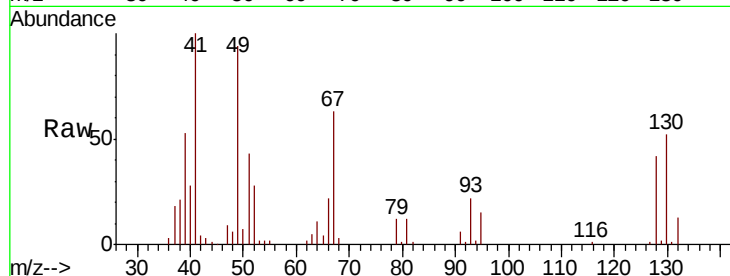
52 27.0 21.3 31.9

Manual Integrations

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MMDadoda

9/24/2018 2:14:15 PM



#42

1,2-Dichloroethane

Concen: 49.099 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU026991.D

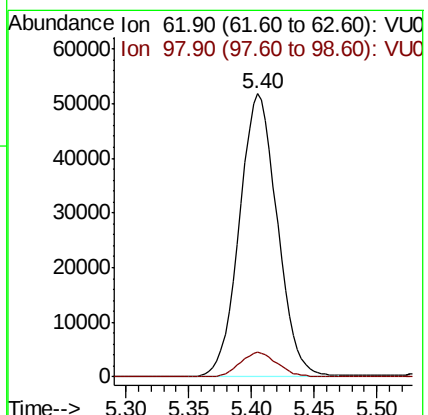
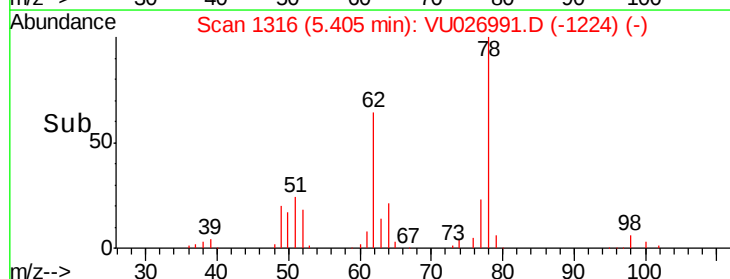
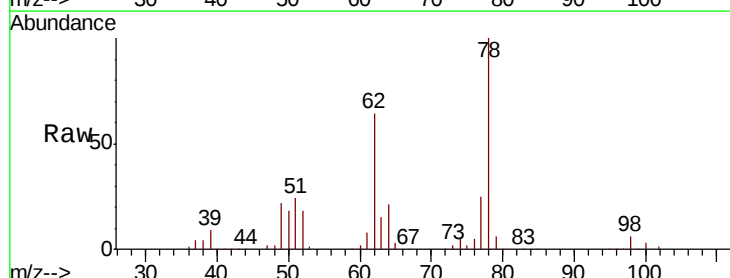
Acq: 22 Sep 2018 00:49

Tgt Ion: 62 Resp: 108994

Ion Ratio Lower Upper

62 100

98 8.5 0.0 17.0





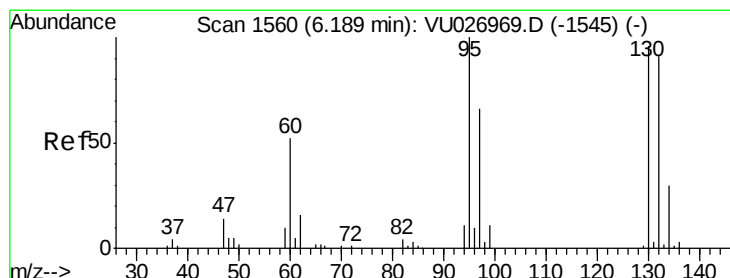
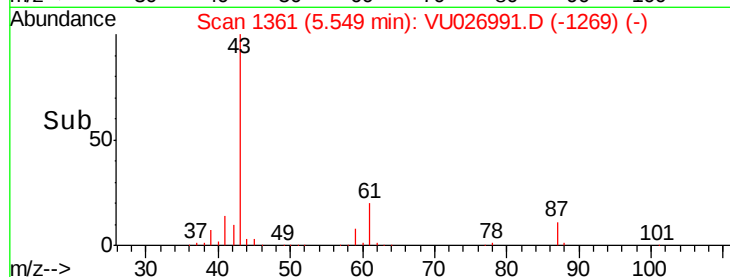
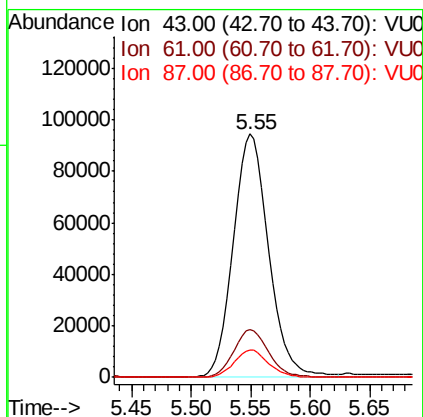
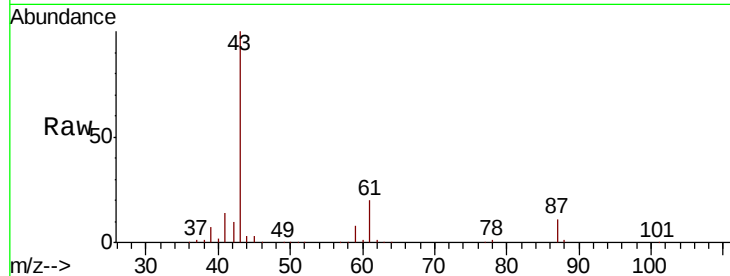
#43
Isopropyl Acetate
Concen: 50.980 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.7	23.5
87	11.0	9.0	13.4

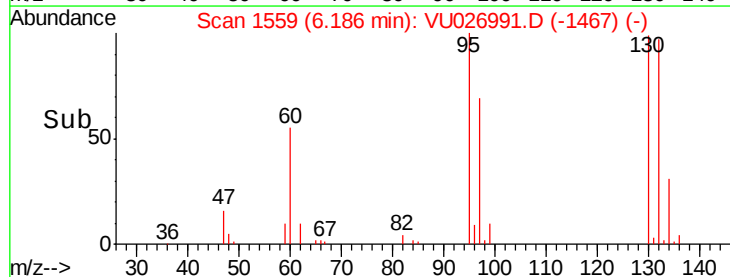
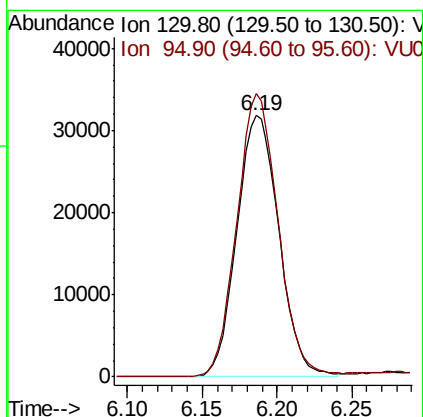
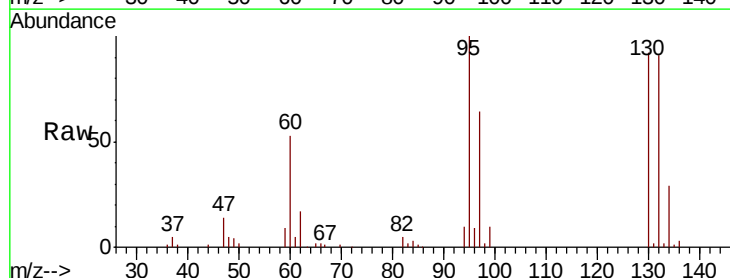
Manual Integrations
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#44
Trichloroethene
Concen: 49.900 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	208.8





#45

1,2-Dichloropropane

Concen: 50.487 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 84523

Ion Ratio Lower Upper

63 100

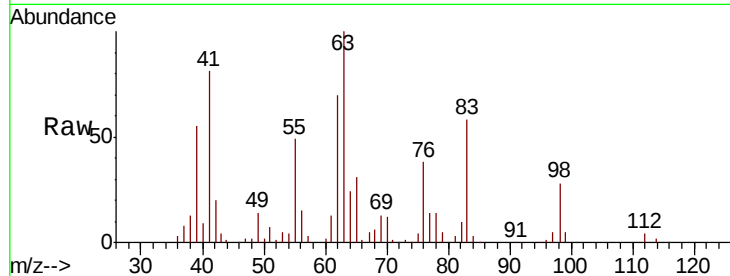
65 30.9 24.3 36.5

Manual Integrations

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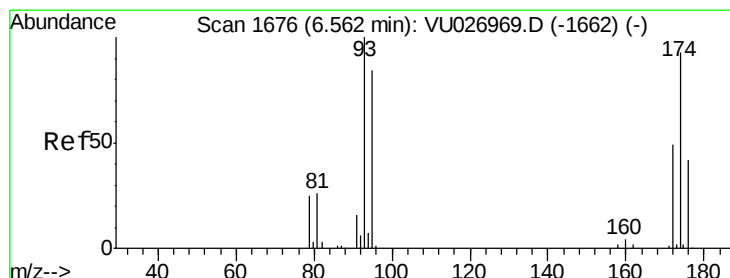
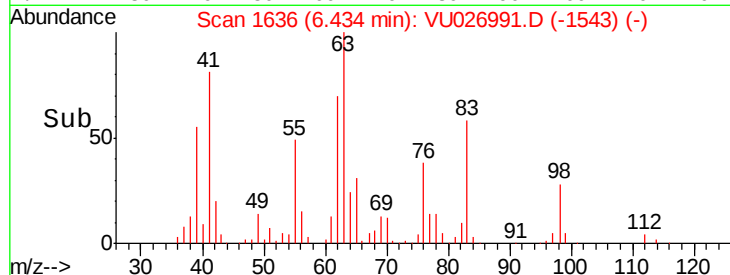
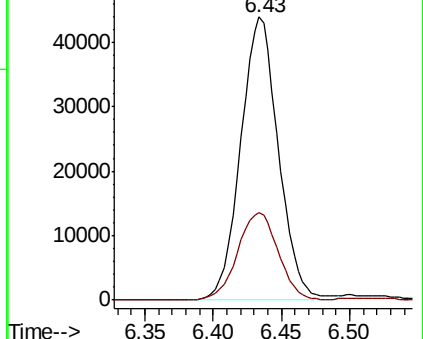
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 48.632 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

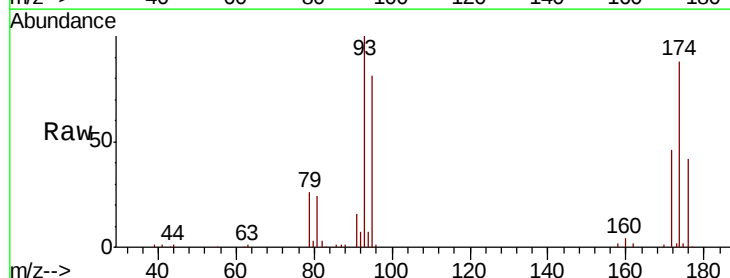
Tgt Ion: 93 Resp: 49172

Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

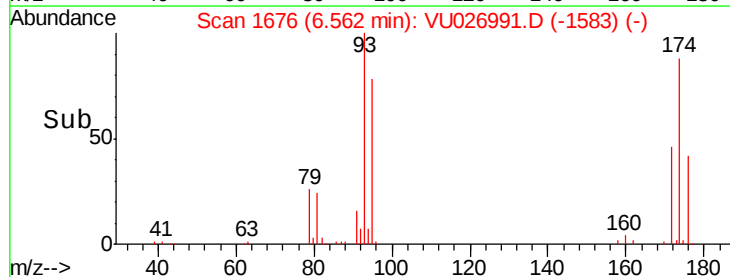
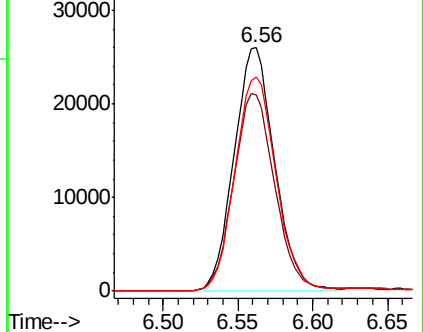
174 89.4 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





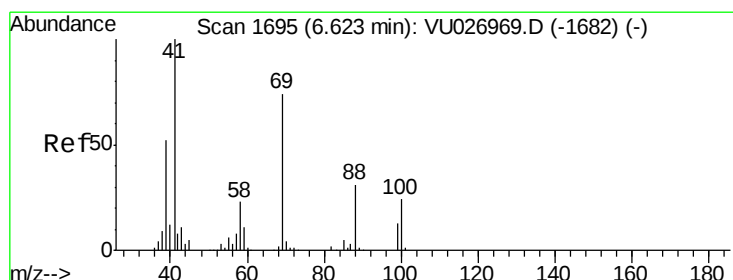
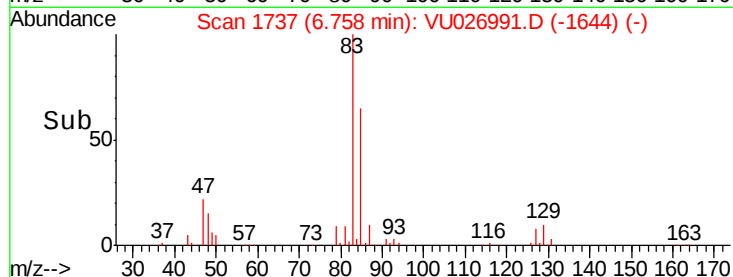
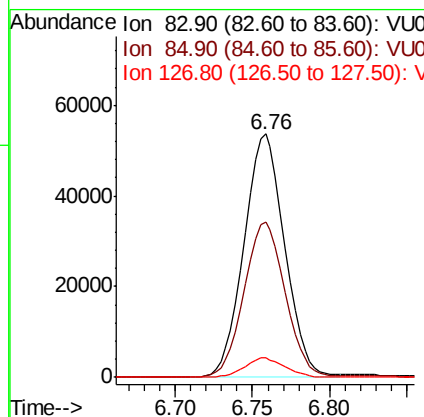
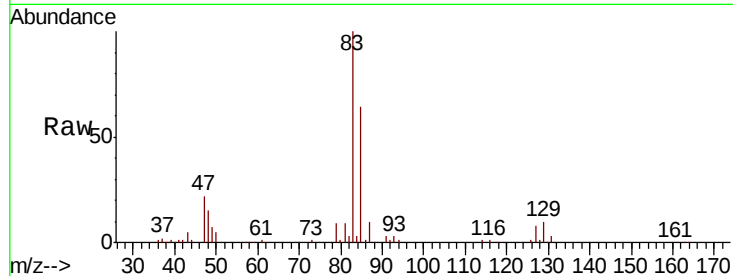
#47
Bromodichloromethane
Concen: 48.143 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	98429
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	52.5	78.7
127	7.9	6.3	9.5

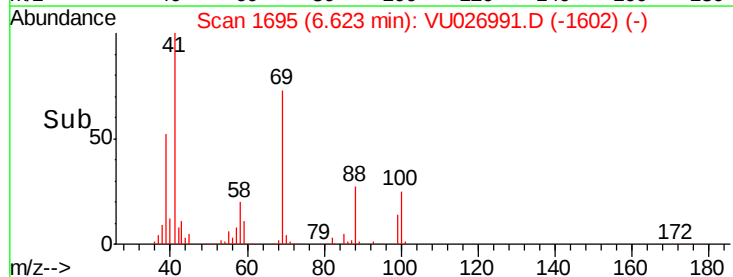
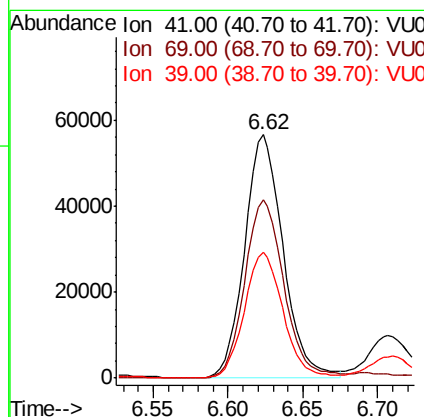
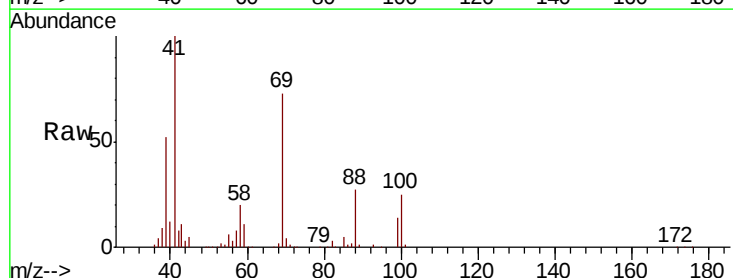
Manual Integrations
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#48
Methyl methacrylate
Concen: 48.634 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	41	Resp	100947
Ion Ratio	100	Lower	Upper
41	100		
69	75.1	60.6	90.8
39	52.3	42.8	64.2





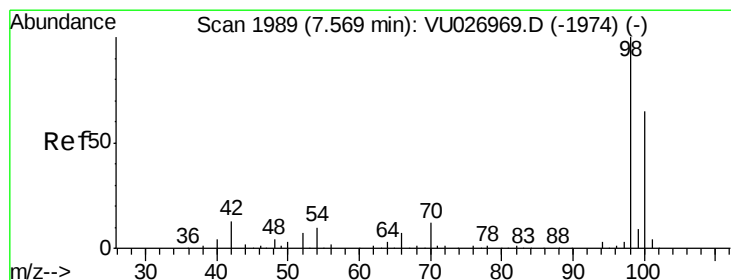
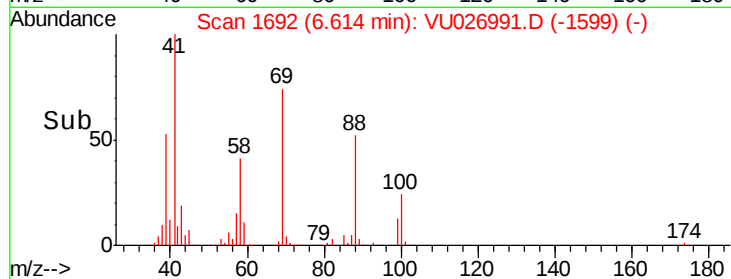
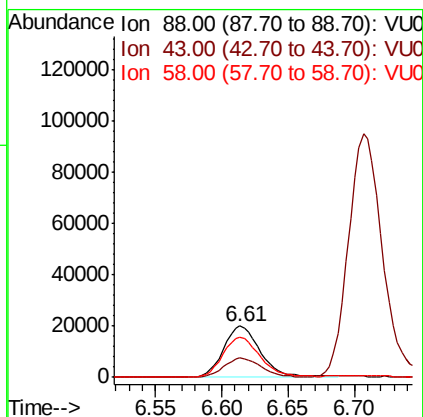
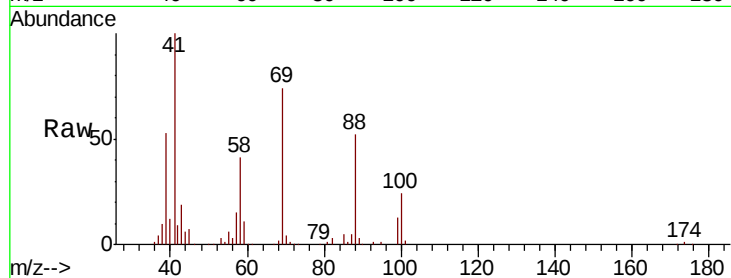
#49
1,4-Dioxane
Concen: 942.011 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.8
58	79.6	63.9	95.9

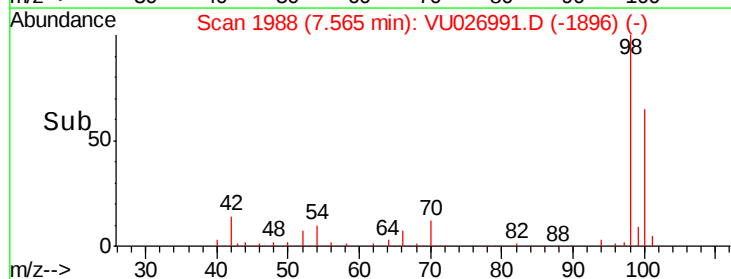
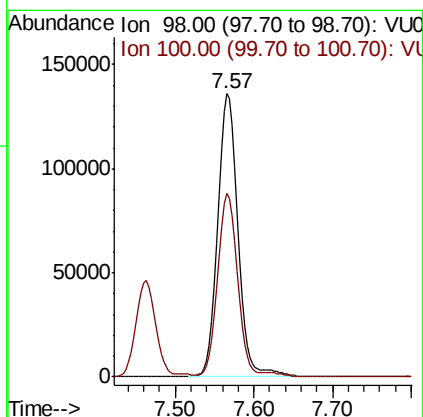
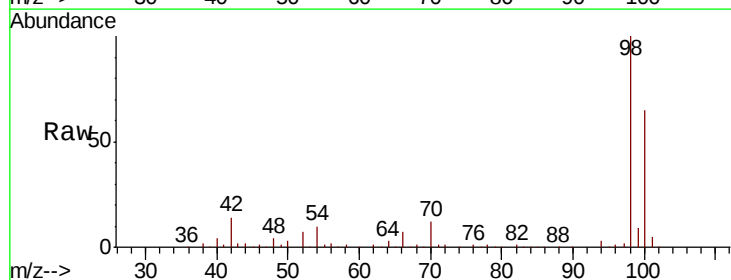
Manual Integrations
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#50
Toluene-d8
Concen: 50.664 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 262.780 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 674386

Ion Ratio Lower Upper

43 100

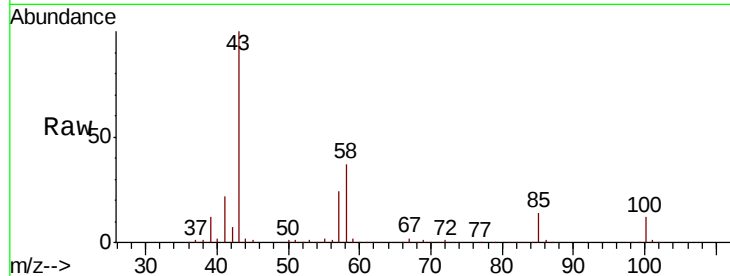
58 37.0 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026991.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU026991.D (-1863) (-)

7.46

400000

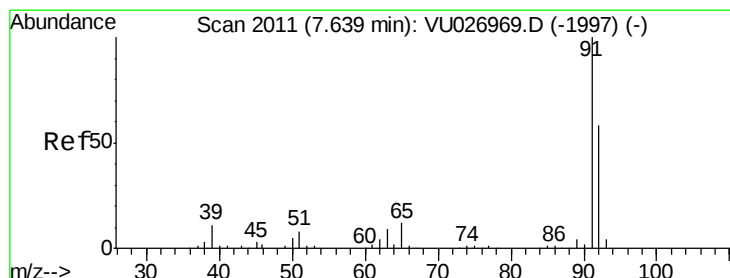
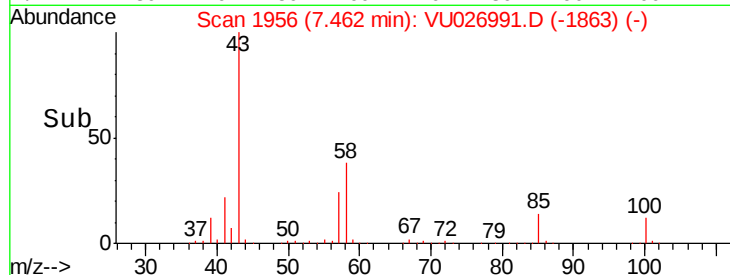
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.151 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026991.D

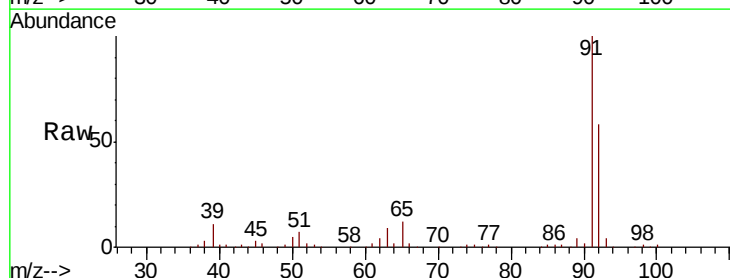
Acq: 22 Sep 2018 00:49

Tgt Ion: 92 Resp: 175638

Ion Ratio Lower Upper

92 100

91 168.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026991.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026991.D (-1918) (-)

200000

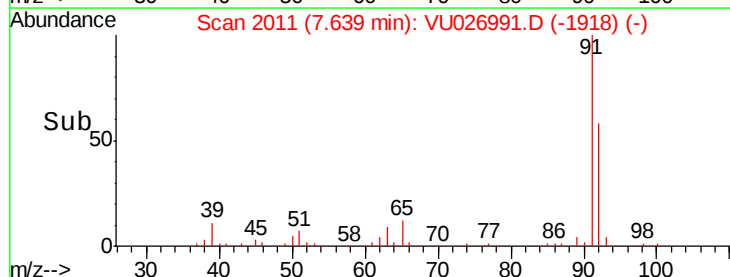
150000

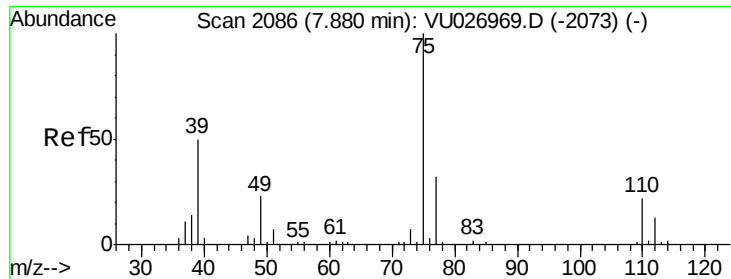
100000

50000

0

Time-->





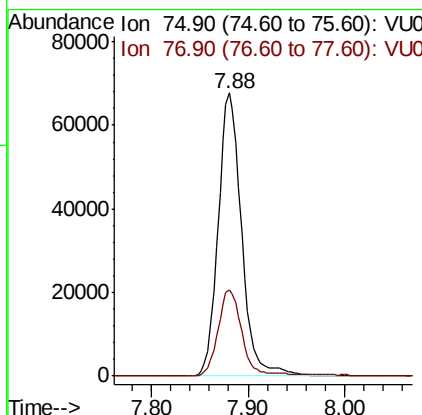
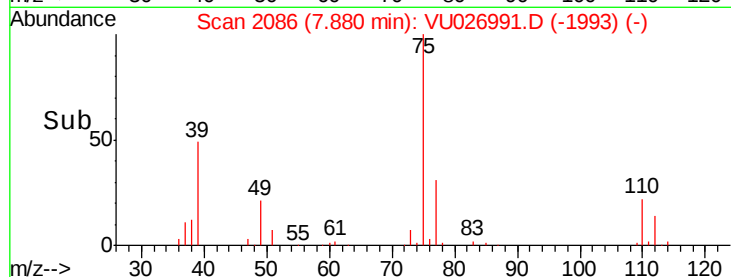
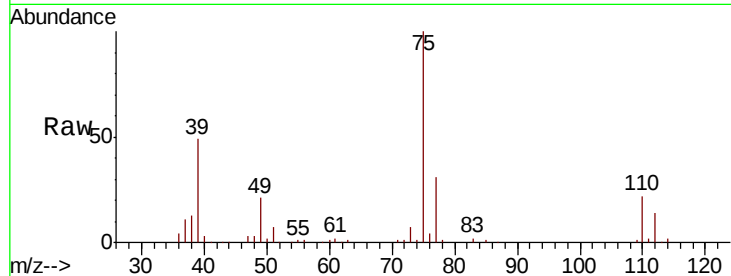
#53
t-1,3-Dichloropropene
Concen: 51.897 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.3	37.9

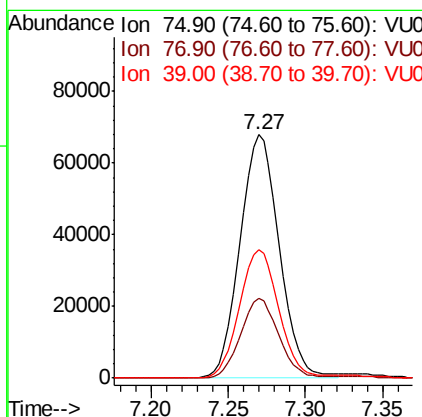
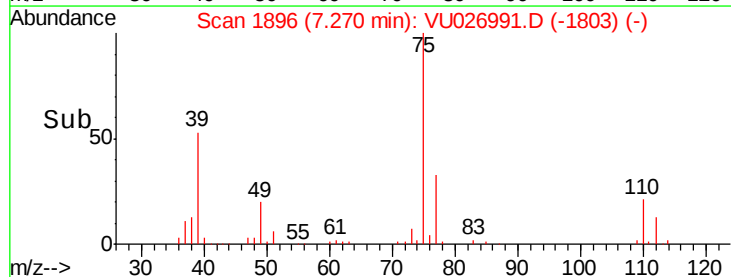
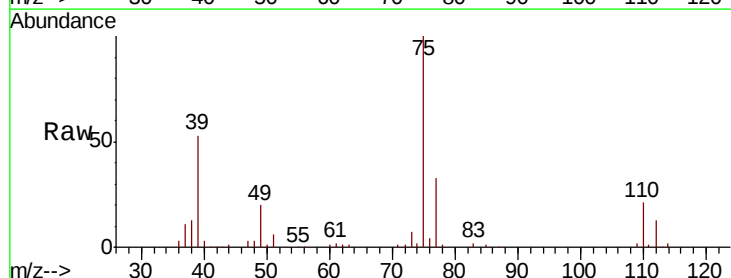
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#54
cis-1,3-Dichloropropene
Concen: 49.827 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.4	38.0
39	52.6	41.6	62.4





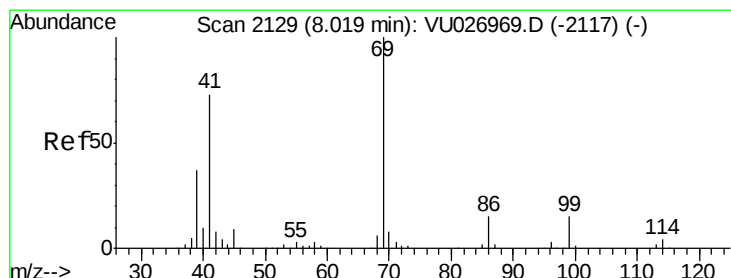
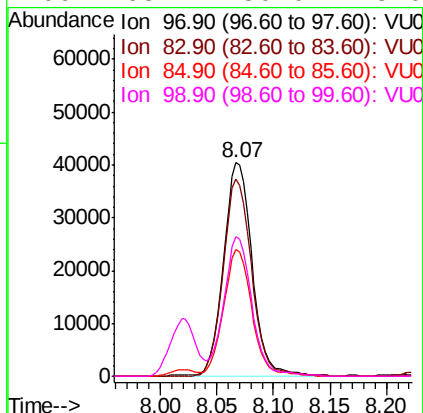
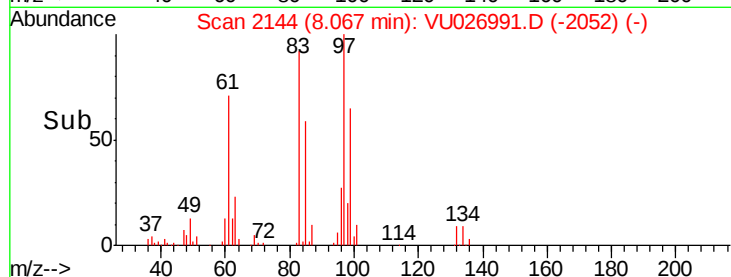
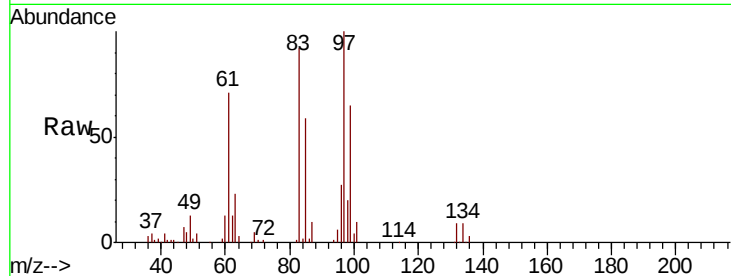
#55
 1,1,2-Trichloroethane
 Concen: 49.992 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71342
Ion	Ratio	Lower	Upper
97	100		
83	92.2	73.1	109.7
85	59.2	46.7	70.1
99	65.1	50.0	75.0

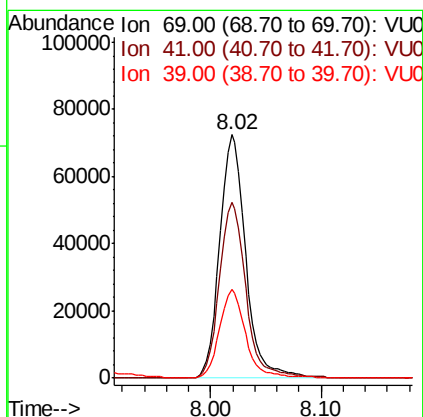
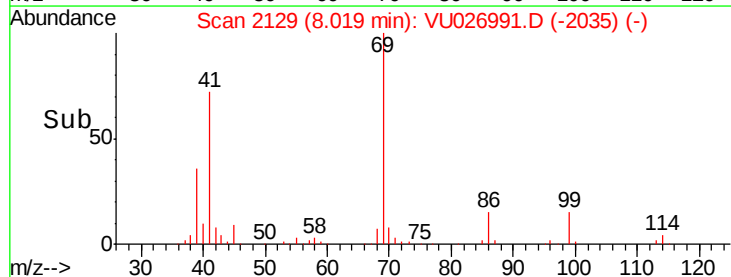
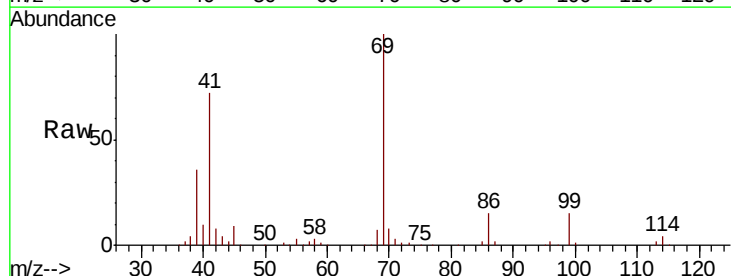
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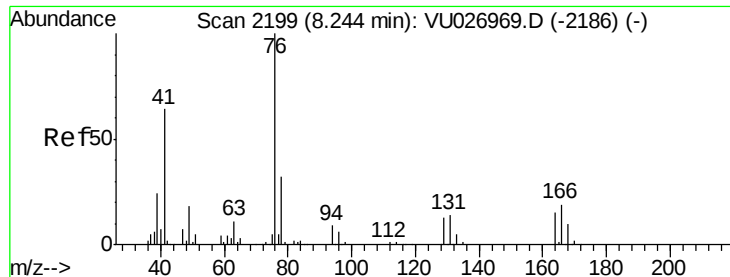
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#56
 Ethyl methacrylate
 Concen: 48.122 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion:	69	Resp:	118941
Ion	Ratio	Lower	Upper
69	100		
41	73.8	59.0	88.4
39	36.6	30.2	45.4





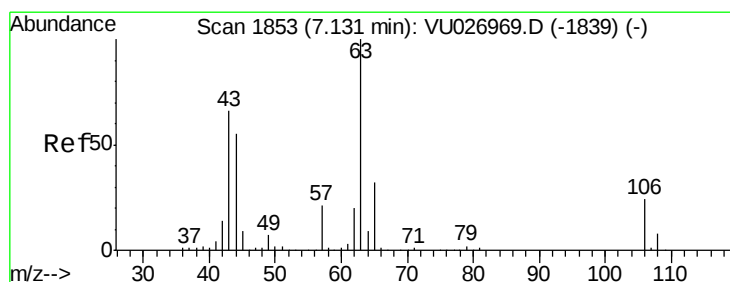
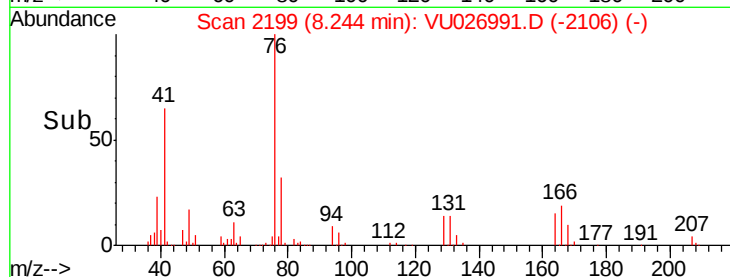
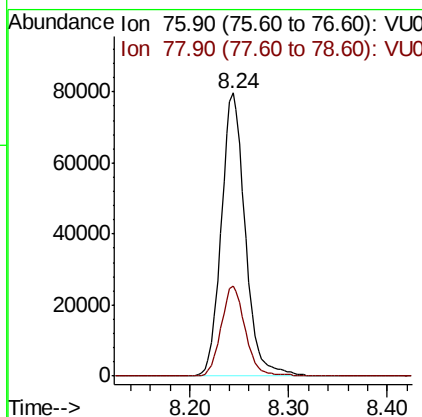
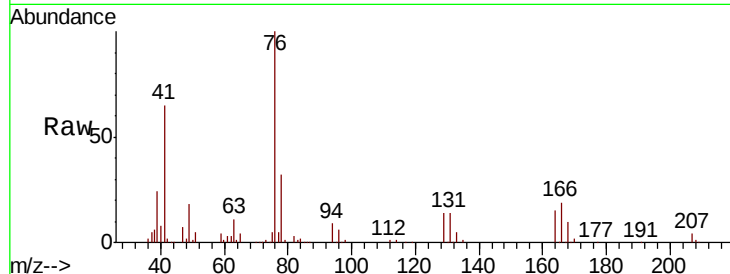
#57
 1,3-Dichloropropane
 Concen: 51.038 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

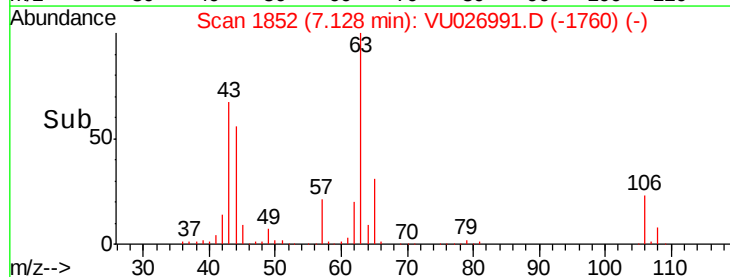
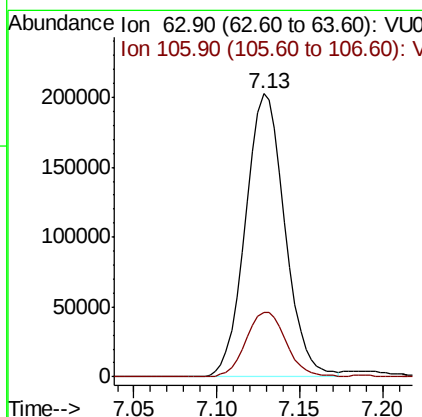
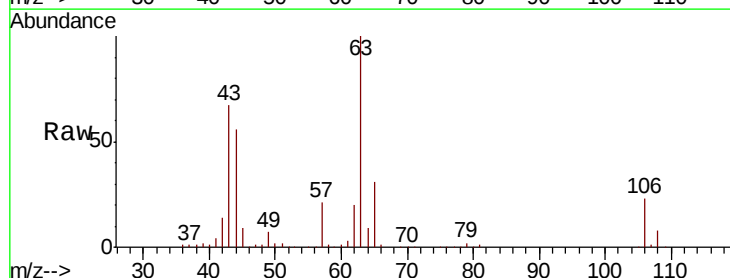
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.423 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.7	28.1





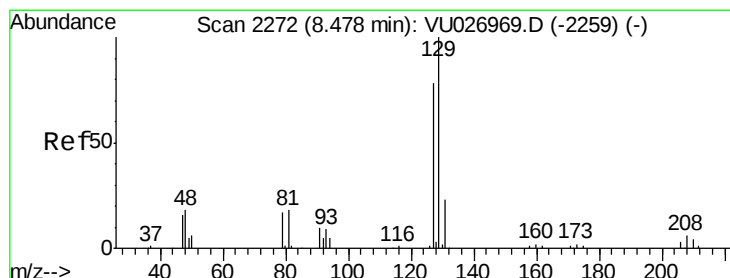
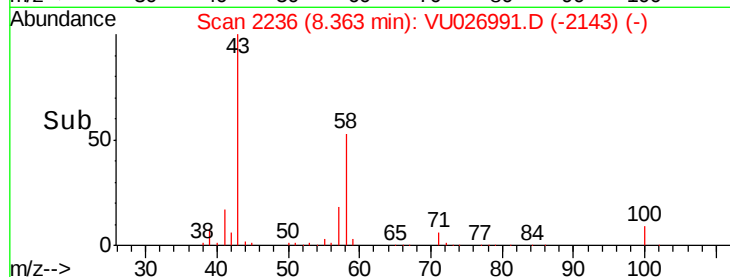
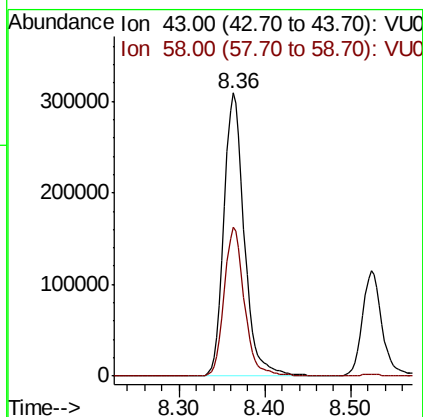
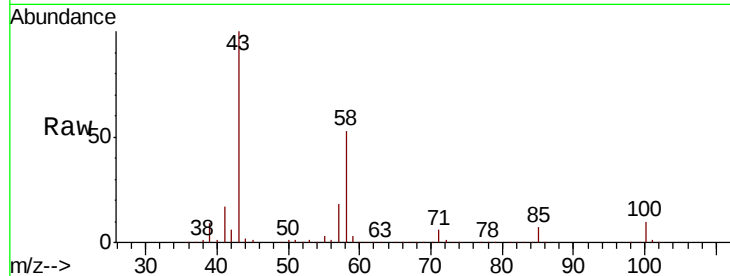
#59
2-Hexanone
Concen: 254.562 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	511386
Ion Ratio	100	Lower	Upper
58	52.3	26.1	78.2

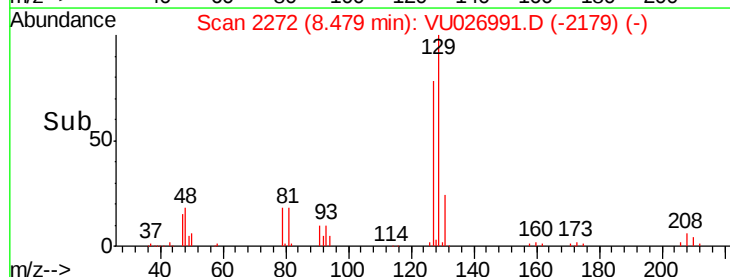
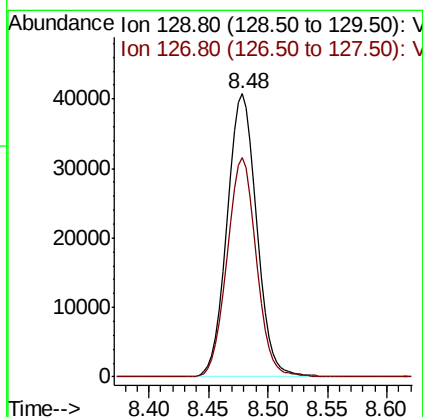
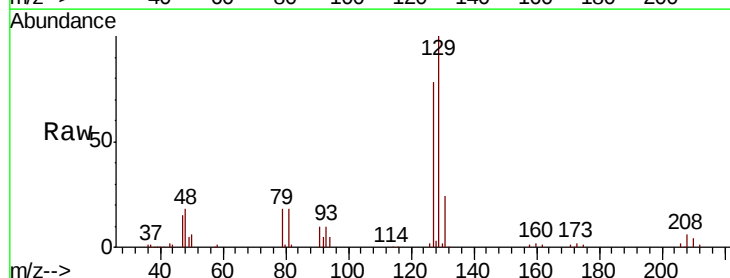
Manual Integrations
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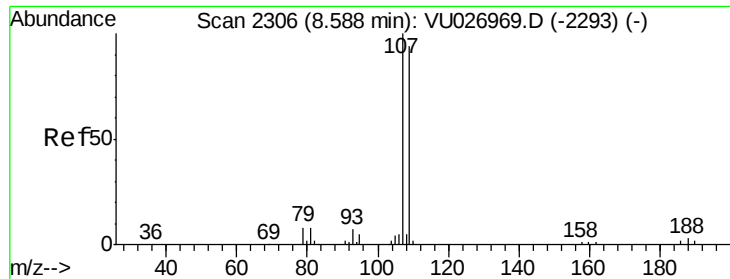
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#60
Dibromochloromethane
Concen: 50.350 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	129	Resp	70480
Ion Ratio	100	Lower	Upper
127	76.4	38.1	114.5





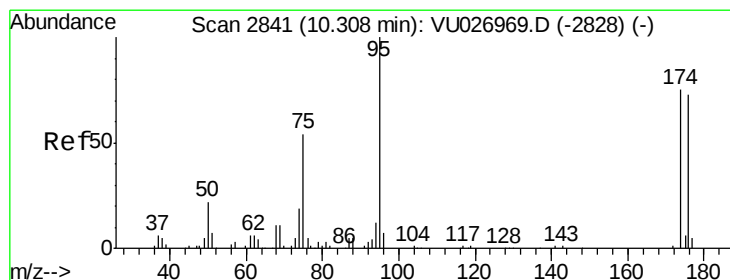
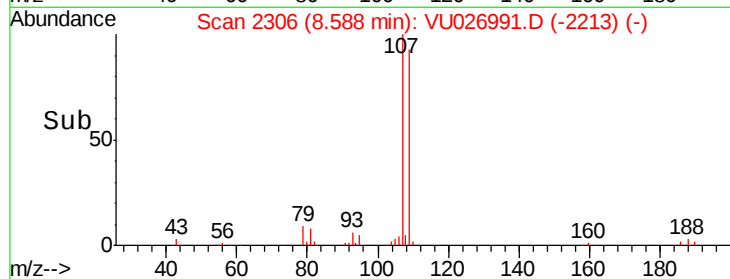
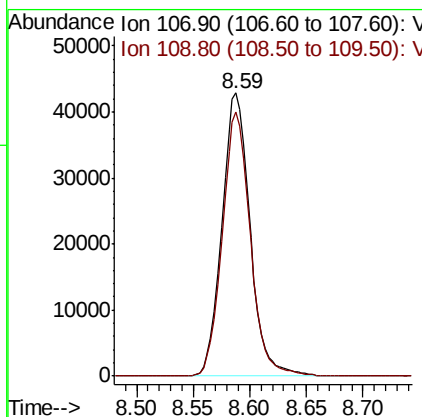
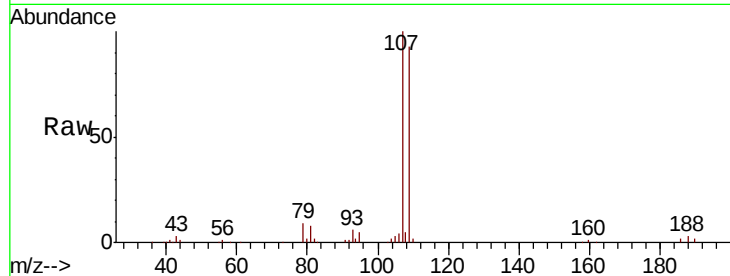
#61
 1,2-Dibromoethane
 Concen: 49.882 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6

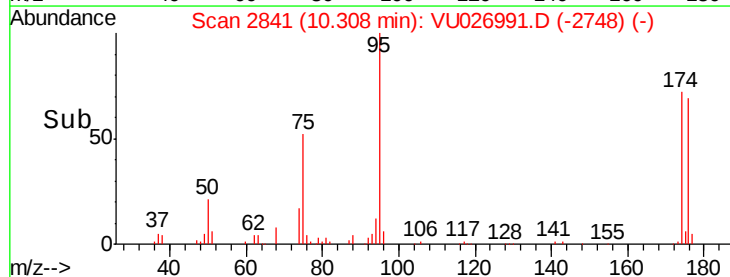
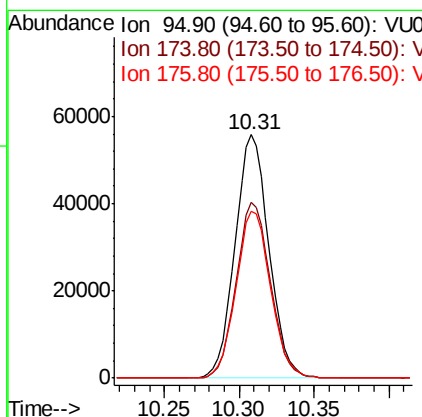
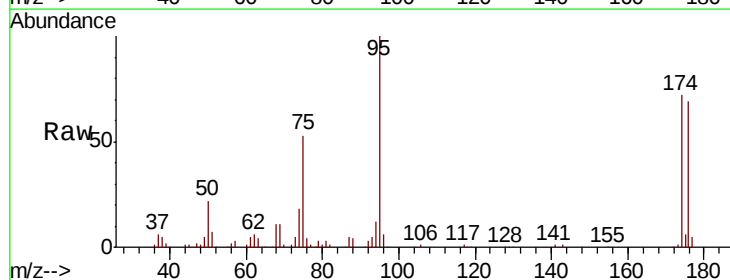
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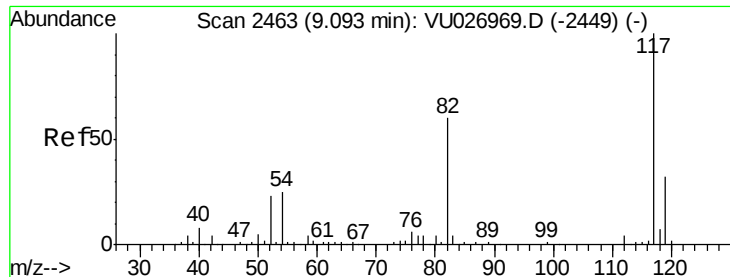
MMDadoda
 9/24/2018 2:14:15 PM



#62
 4-Bromofluorobenzene
 Concen: 53.484 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	150.2
176	70.1	0.0	145.2





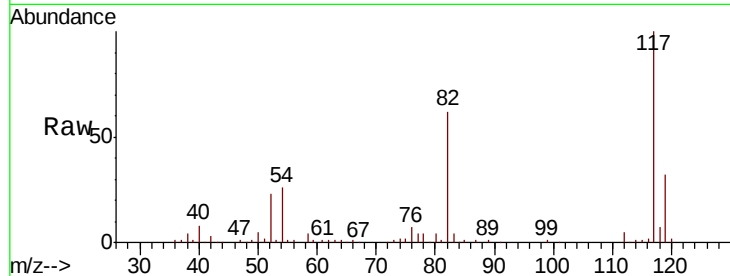
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	48.0	72.0
119	32.4	25.8	38.8

Manual Integrations
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9/24/2018 2:14:15 PM

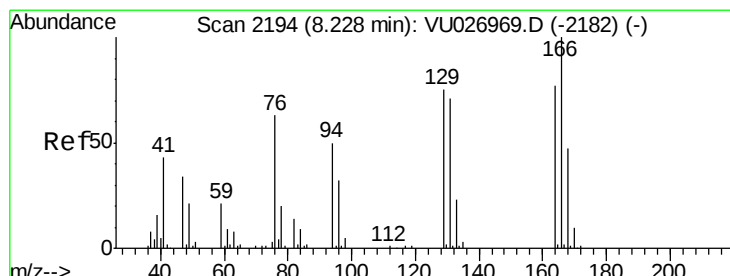
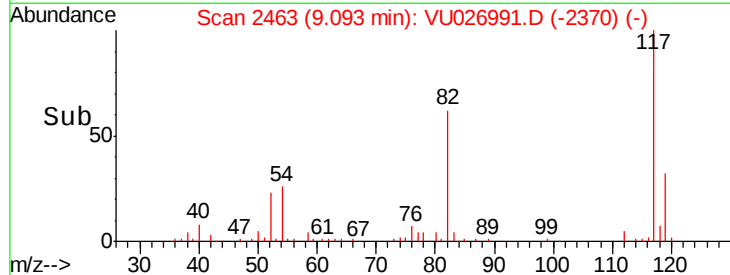
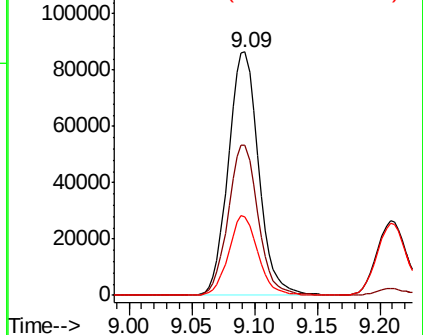


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.244 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	104.4	156.6
129	99.5	78.7	118.1
131	91.5	73.9	110.9

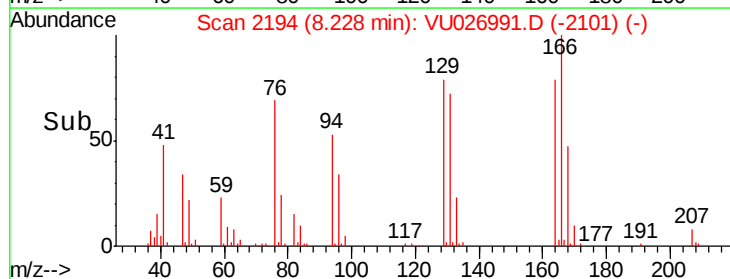
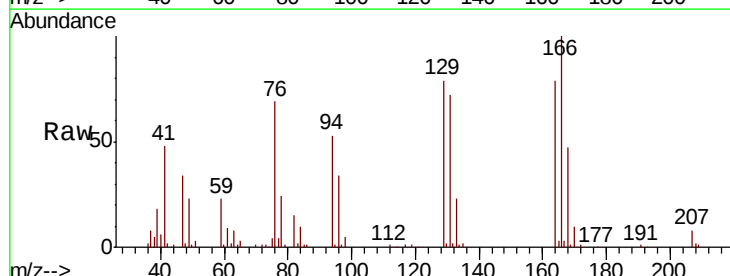
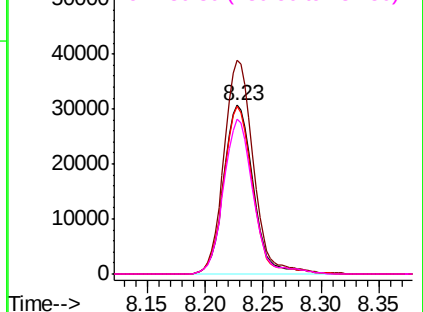
Abundance

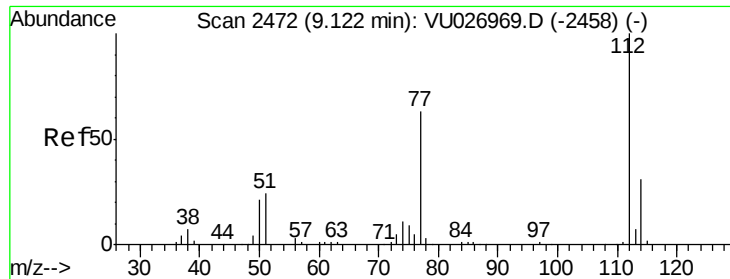
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





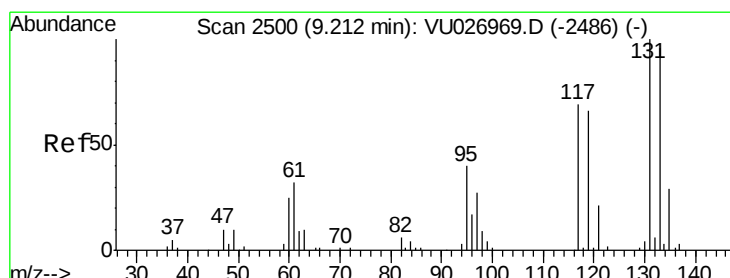
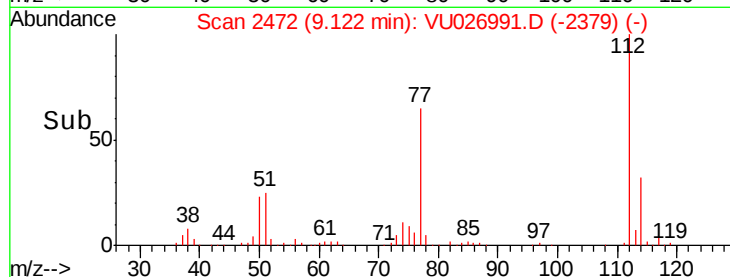
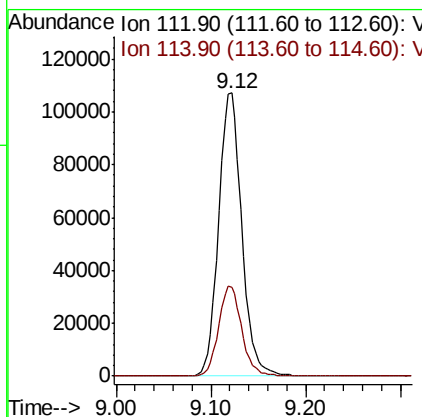
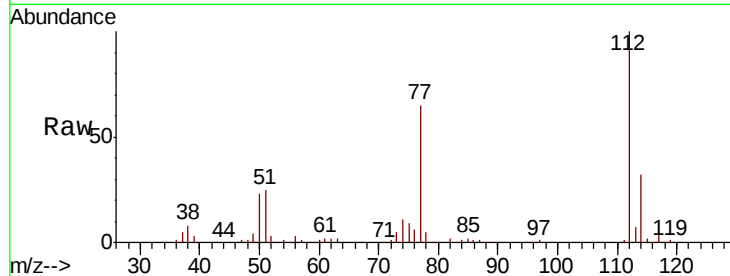
#65
Chlorobenzene
Concen: 47.336 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 182180
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

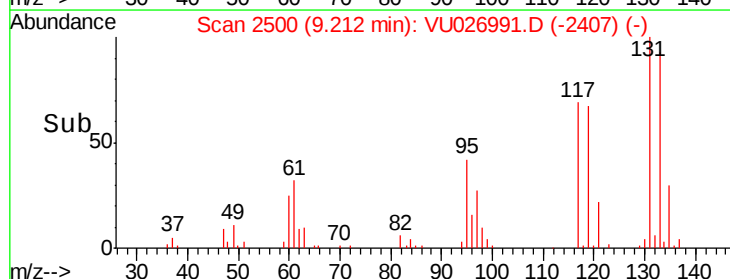
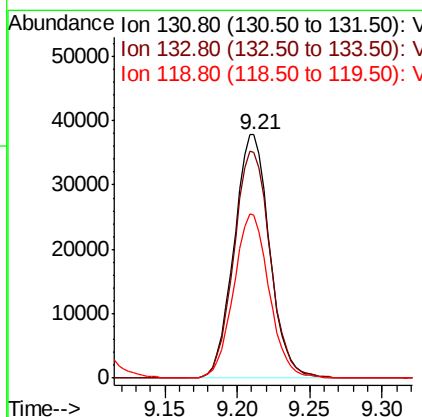
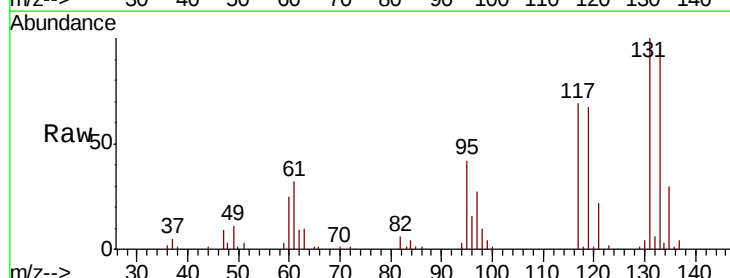
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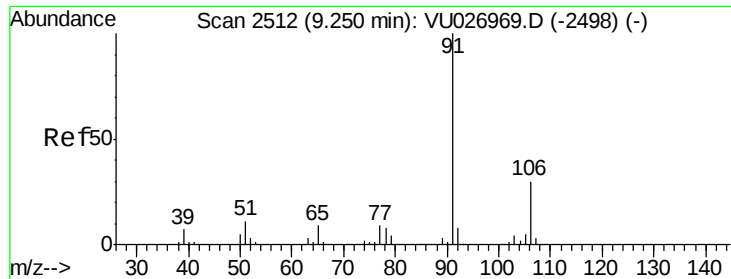
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.706 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion:131 Resp: 64565
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.2
119 67.1 33.4 100.1





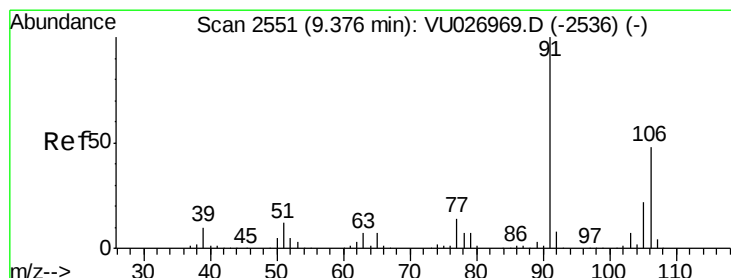
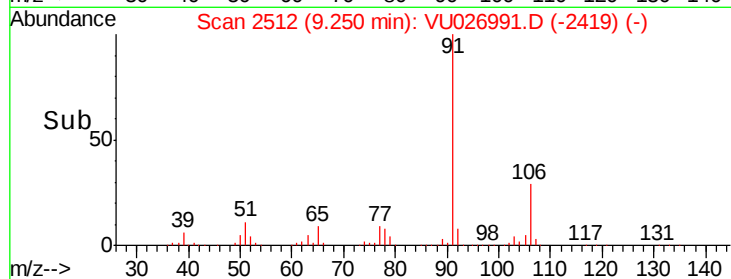
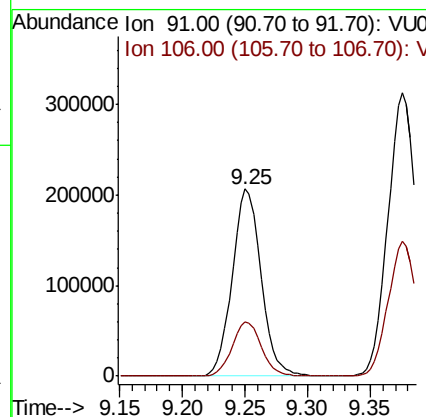
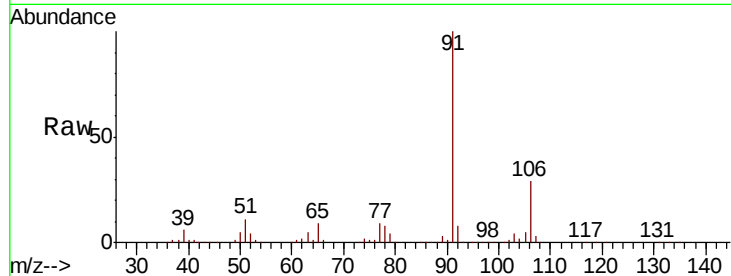
#67
Ethyl Benzene
Concen: 52.105 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 329752
Ion Ratio Lower Upper
91 100
106 29.1 23.8 35.8

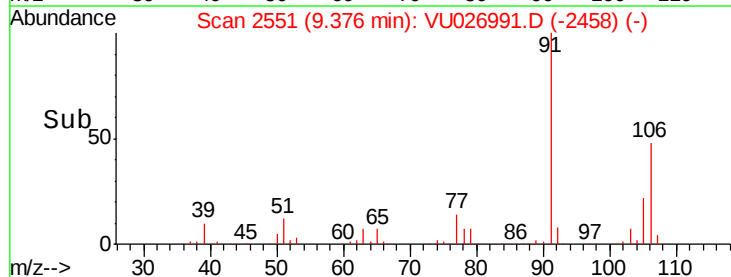
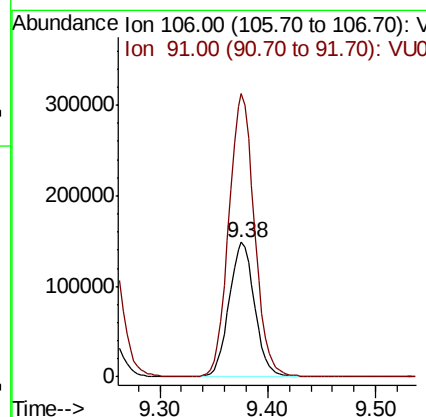
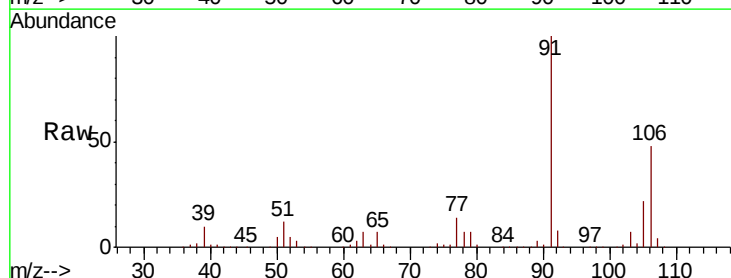
Manual Integrations
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#68
m/p-Xylenes
Concen: 95.868 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion: 106 Resp: 245550
Ion Ratio Lower Upper
106 100
91 210.5 166.5 249.7





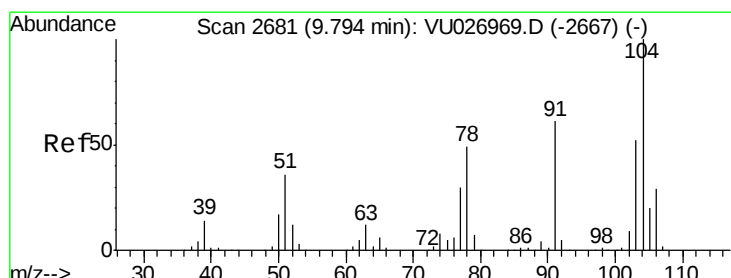
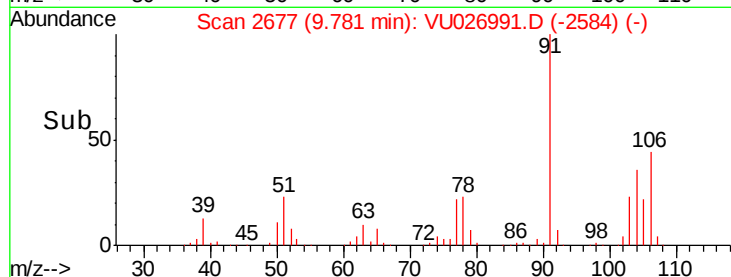
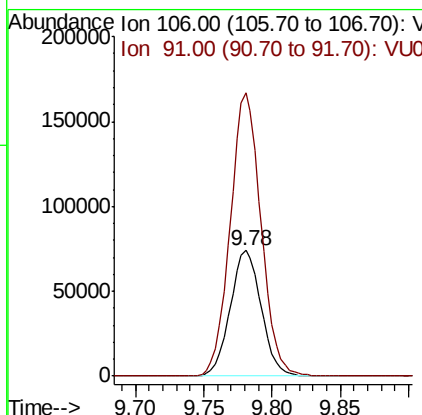
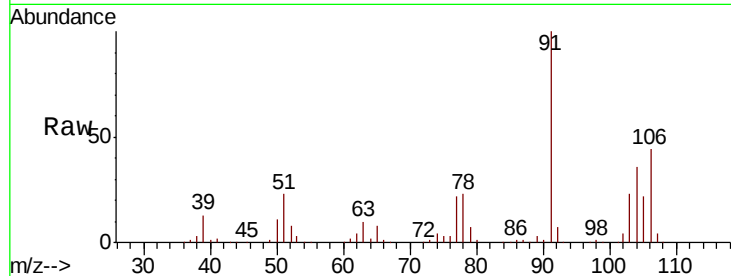
#69
o-Xylene
Concen: 52.152 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		116942		
91	223.6	110.2	330.6		

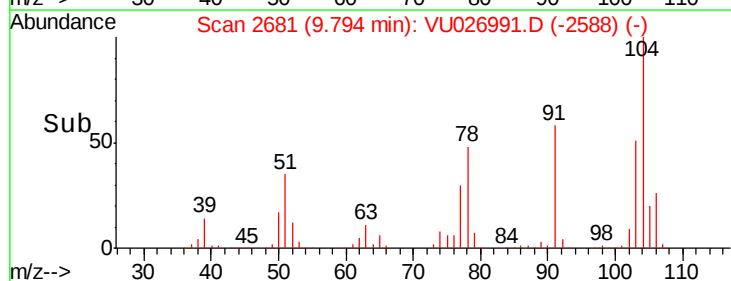
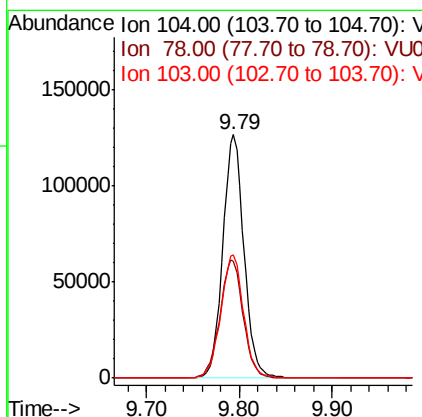
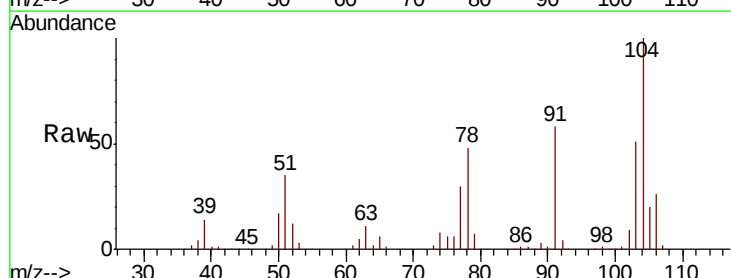
Manual Integrations
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#70
Styrene
Concen: 47.727 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		199464		
78	53.4	43.0	64.4		
103	54.6	44.1	66.1		





#71

Bromoform

Concen: 48.897 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

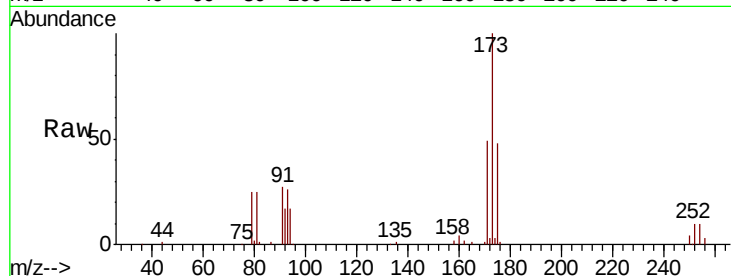
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	50124
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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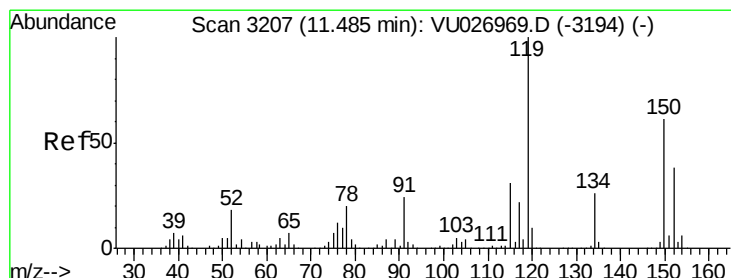
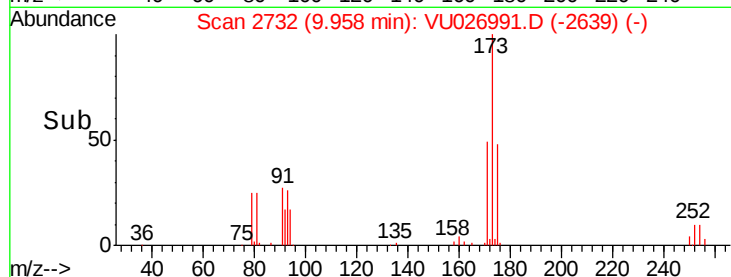
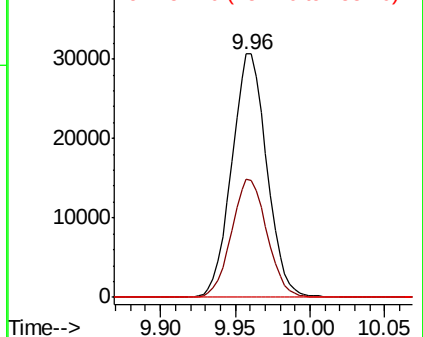


Abundance

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

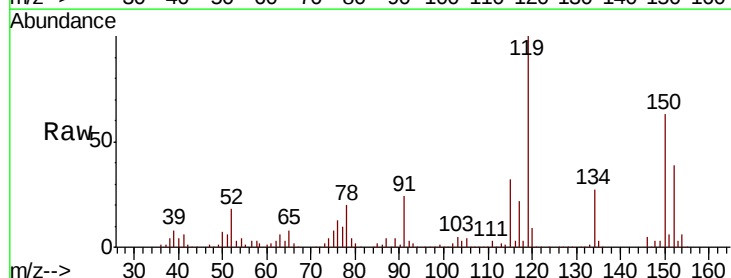
RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion:	152	Resp:	80270
Ion Ratio	Lower	Upper	
152	100		
115	89.1	44.9	134.5
150	177.2	0.0	355.8

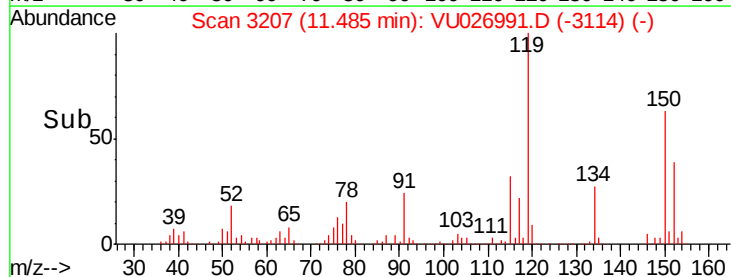
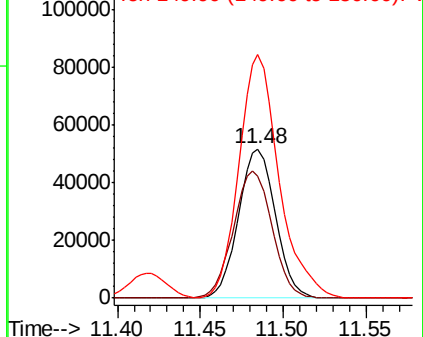


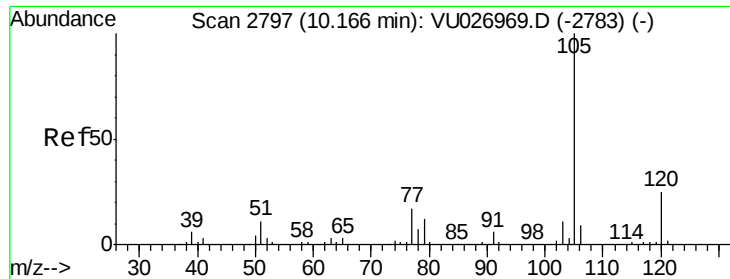
Abundance

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: 52.701 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 321797

Ion Ratio Lower Upper

105 100

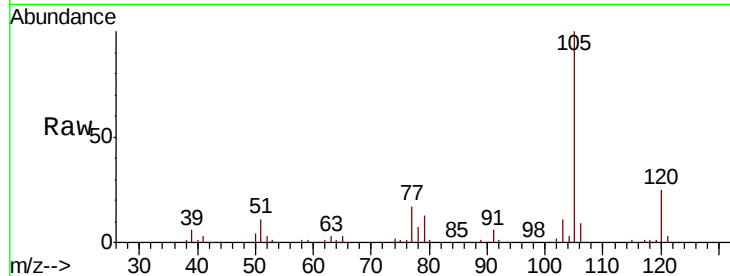
120 25.5 12.8 38.4

Manual Integrations

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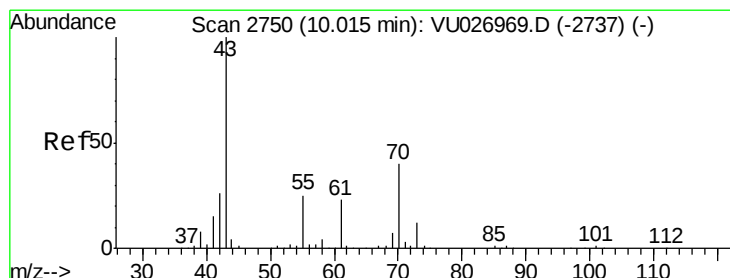
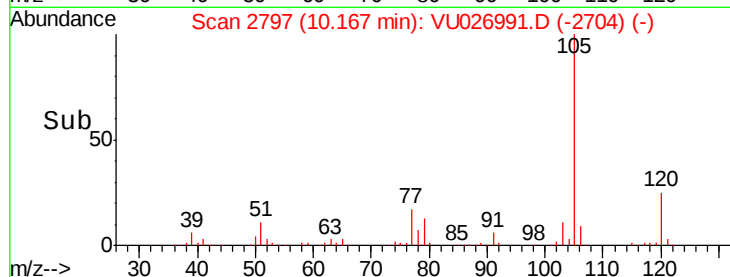
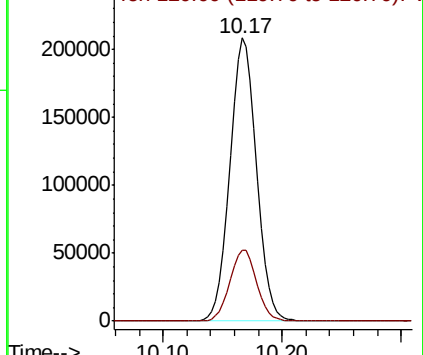
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.199 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion: 43 Resp: 180959

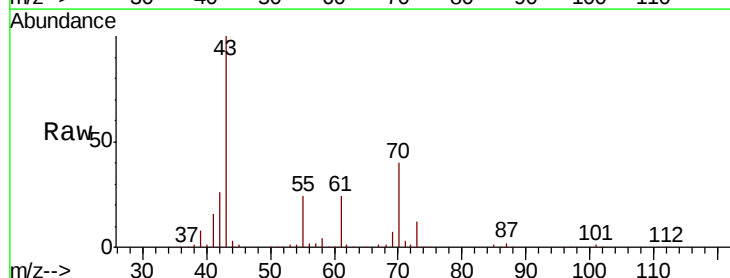
Ion Ratio Lower Upper

43 100

70 39.2 31.8 47.8

55 24.2 19.9 29.9

61 23.3 18.4 27.6

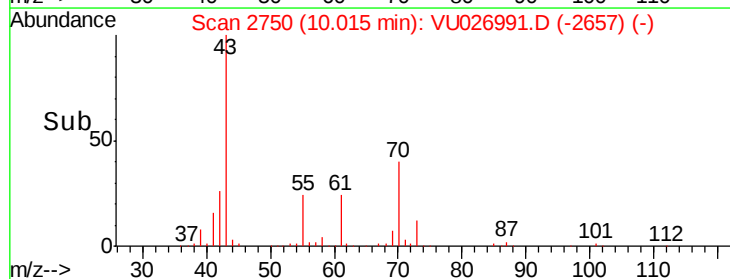
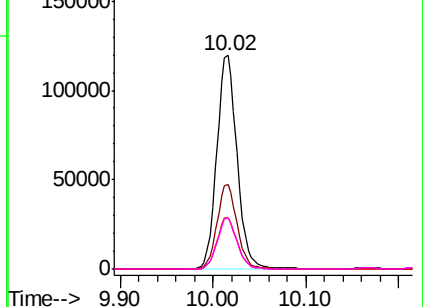


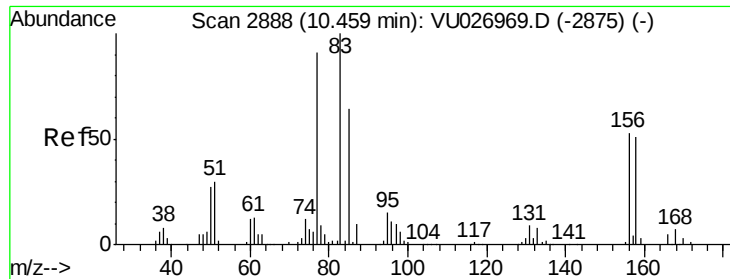
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





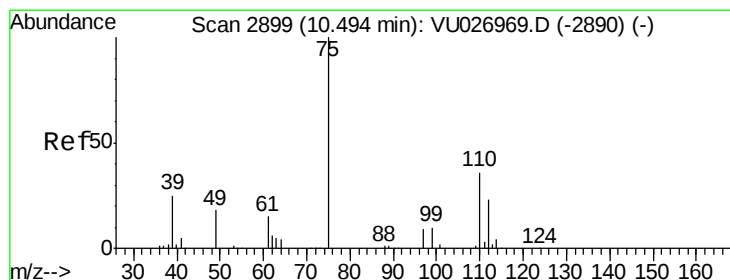
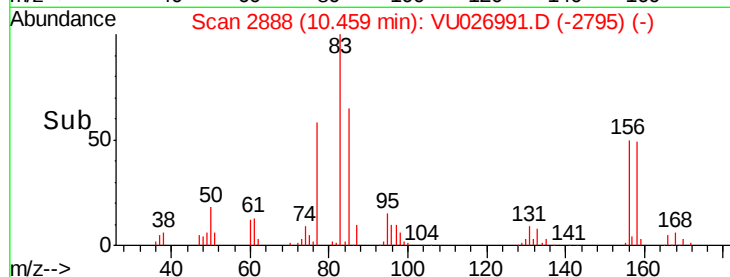
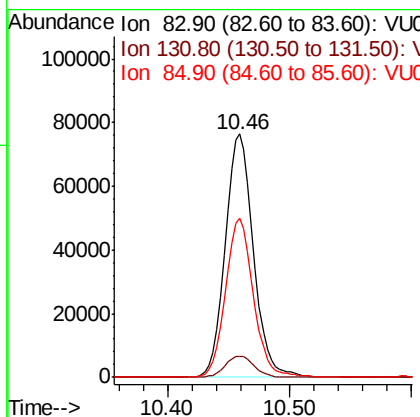
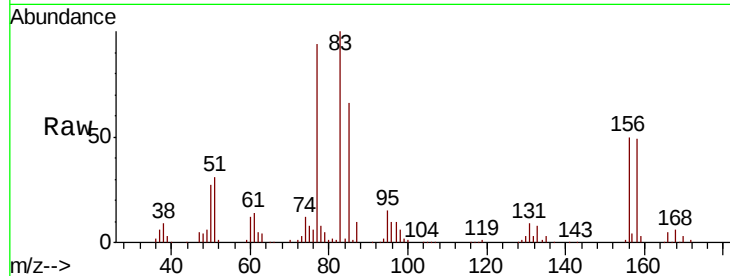
#75
 1,1,2,2-Tetrachloroethane
 Concen: 44.217 ug/l
 RT: 10.46 min Scan# 2888
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	124134		
131	8.8	4.3	12.8	
85	64.9	31.9	95.7	

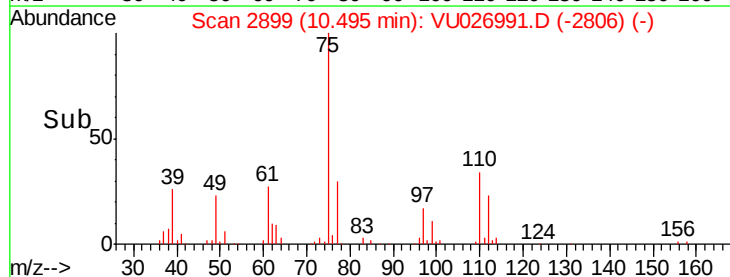
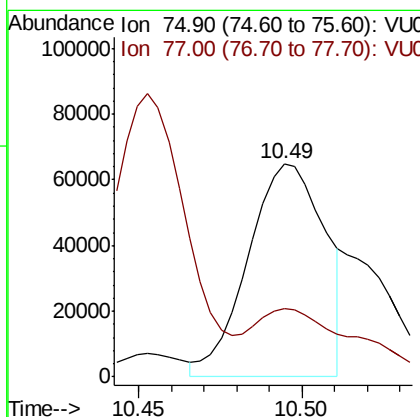
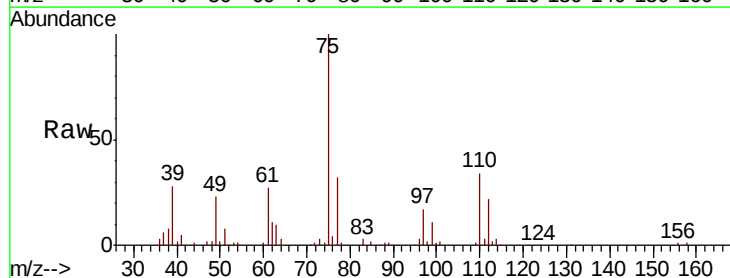
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#76
 1,2,3-Trichloropropane
 Concen: 43.466 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105996		
77	42.1	20.9	62.8	





#77

Bromobenzene

Concen: 48.130 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Instrument :

MSVOA_U

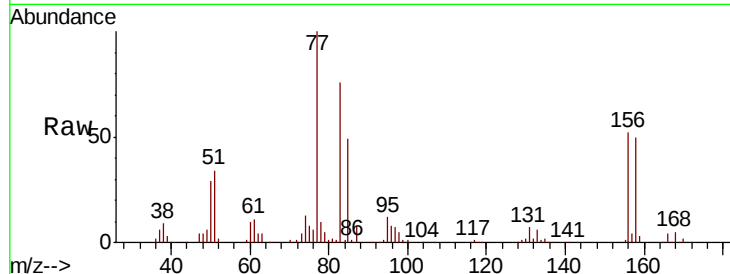
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	71816
Ion Ratio	Lower	Upper	
156	100		
77	193.6	92.3	276.9
158	97.4	48.1	144.3

Manual Integrations
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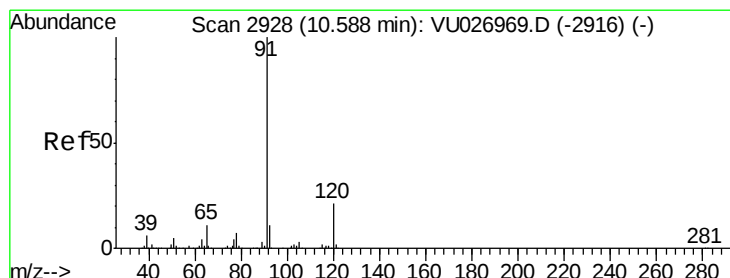
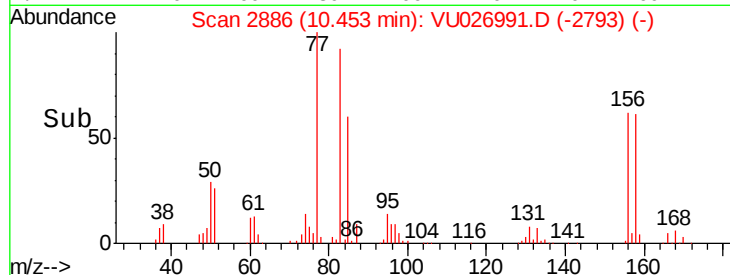
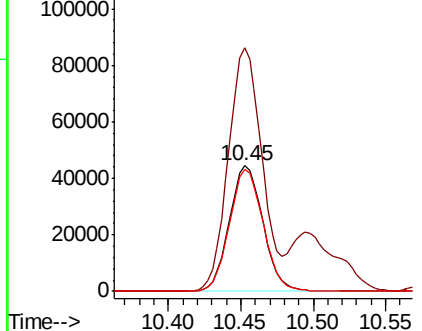
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.188 ug/l

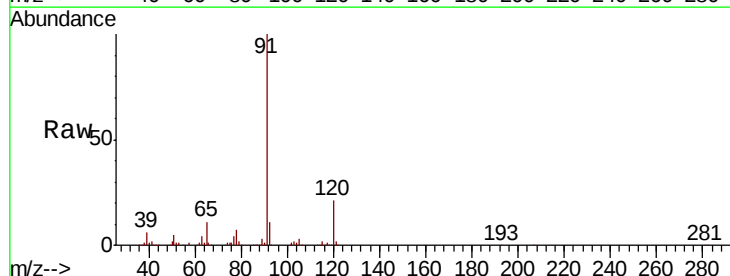
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026991.D

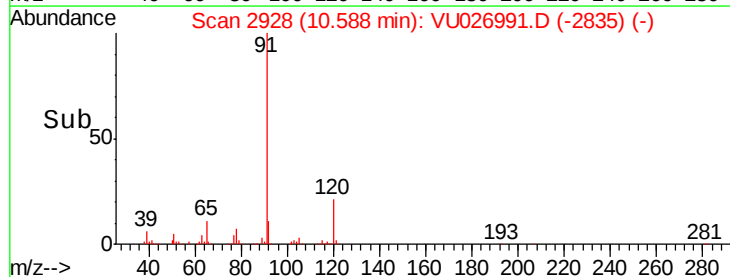
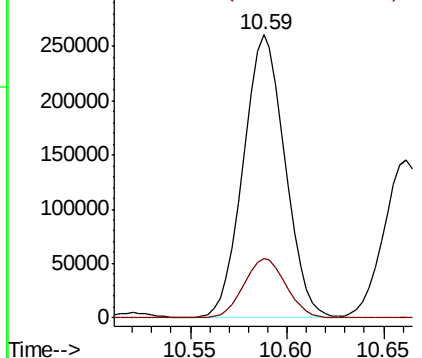
Acq: 22 Sep 2018 00:49

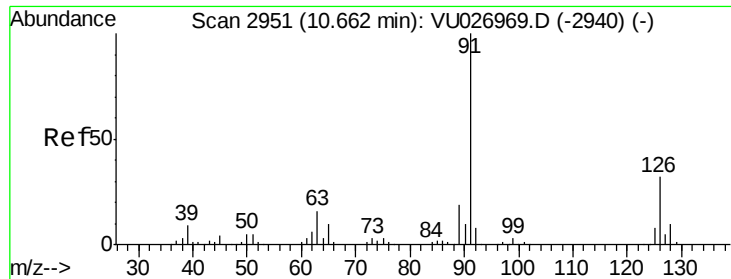
Tgt Ion:	91	Resp:	391499
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





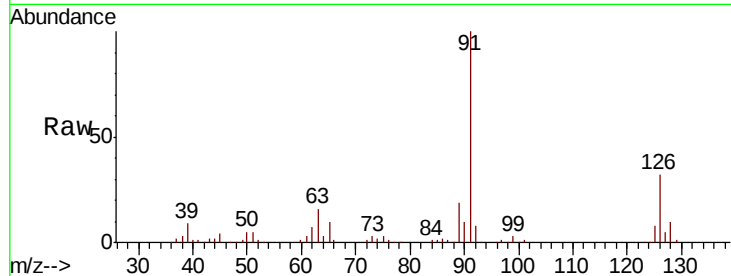
#79
 2-Chlorotoluene
 Concen: 50.063 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

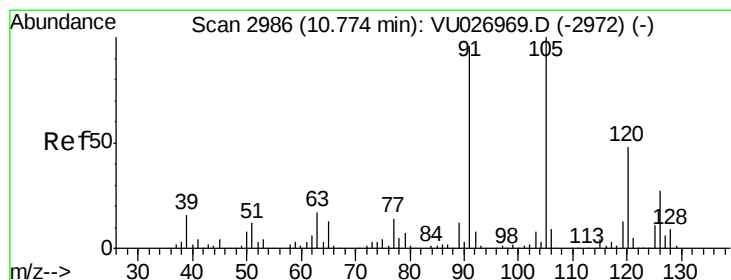
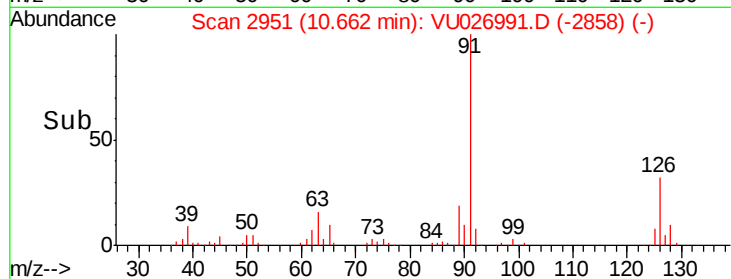
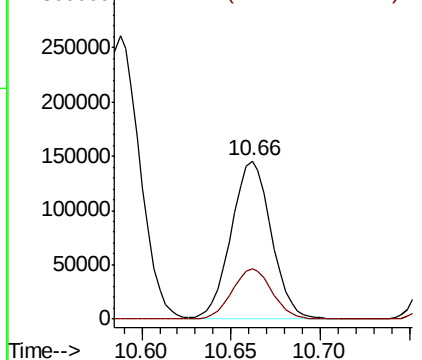
Tot Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.8	47.3

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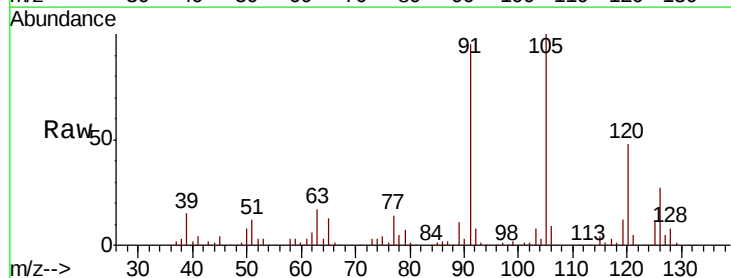


Abundance Ion 91.00 (90.70 to 91.70): VU026991.D (-2940) (-)
 Ion 125.90 (125.60 to 126.60): VU026991.D (-2940) (-)

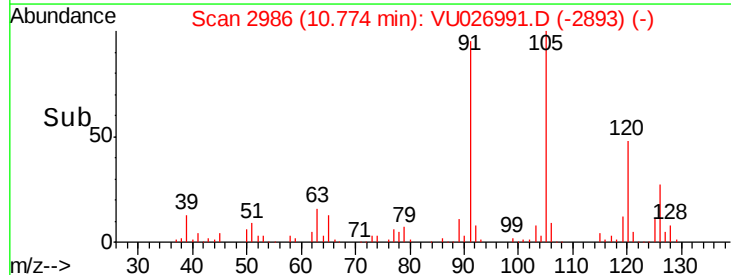
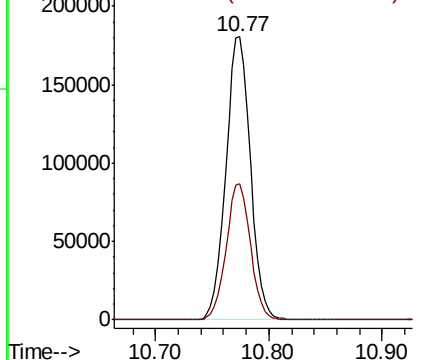


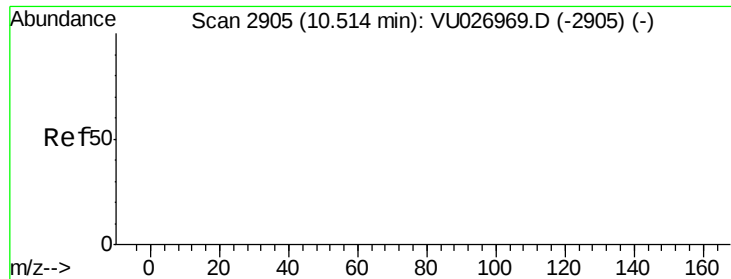
#80
 1,3,5-Trimethylbenzene
 Concen: 54.006 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026991.D (-2893) (-)
 Ion 120.00 (119.70 to 120.70): VU026991.D (-2893) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.912 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU026991.D

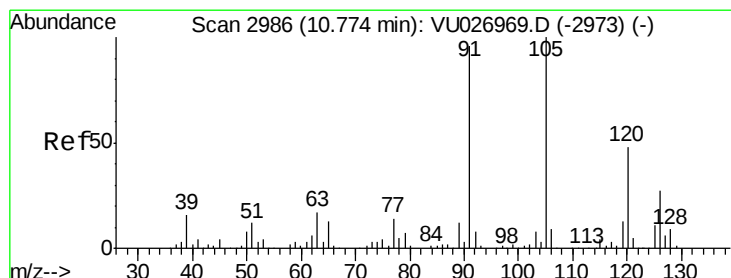
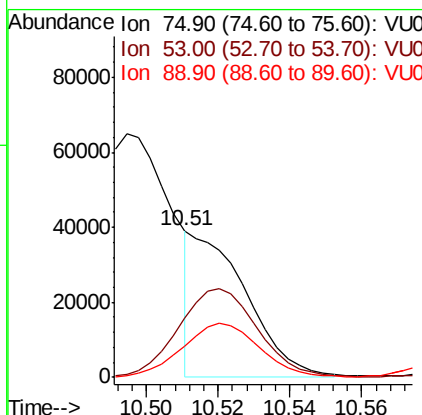
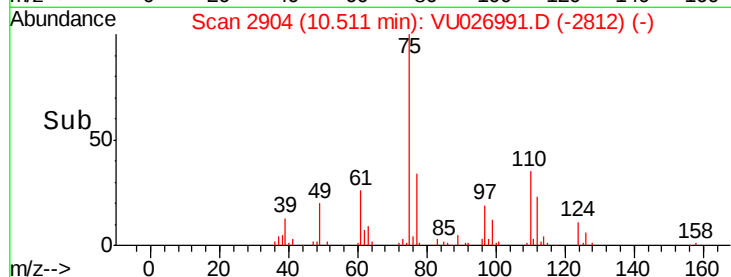
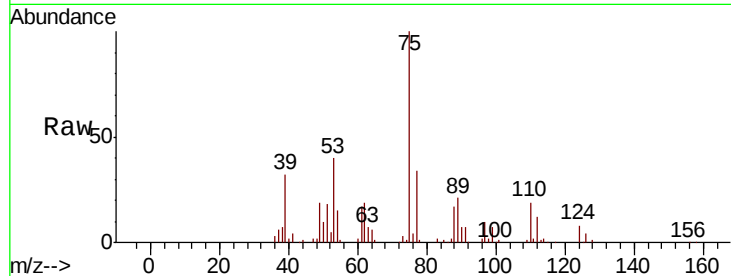
Acq: 22 Sep 2018 00:49

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: 51.899 ug/l

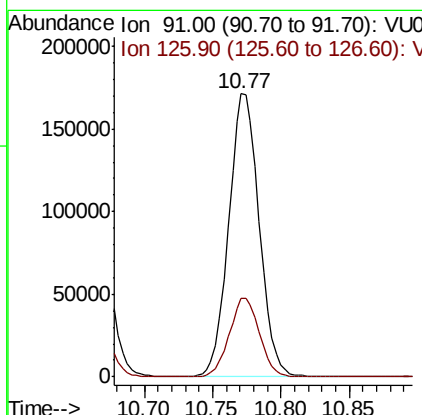
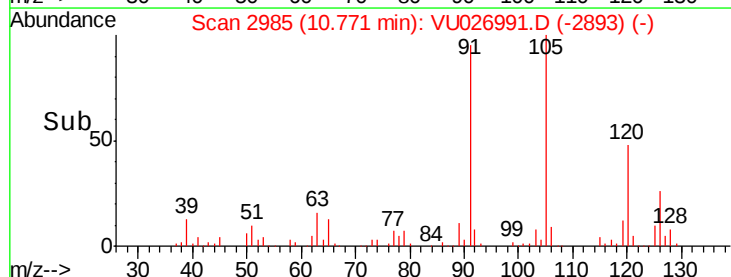
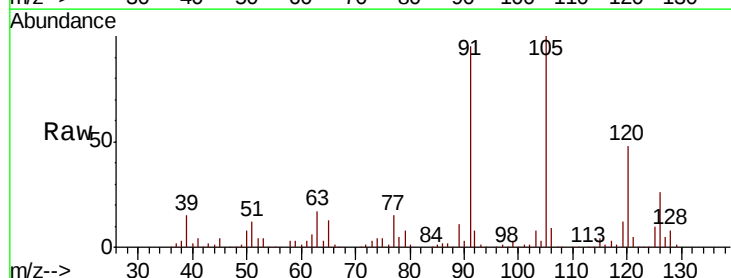
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU026991.D

Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.2





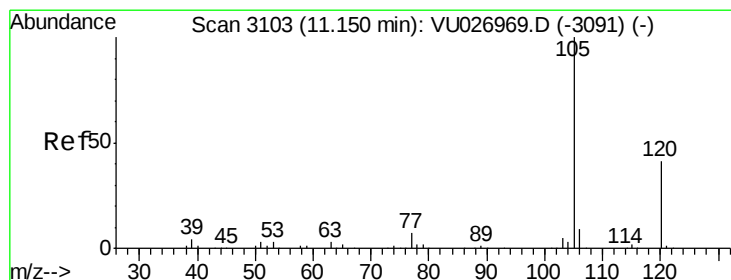
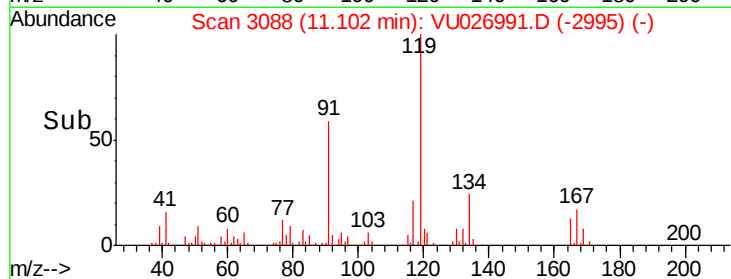
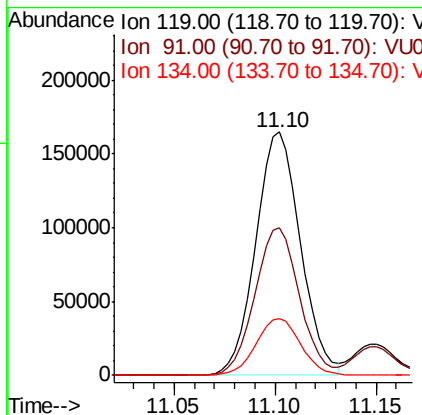
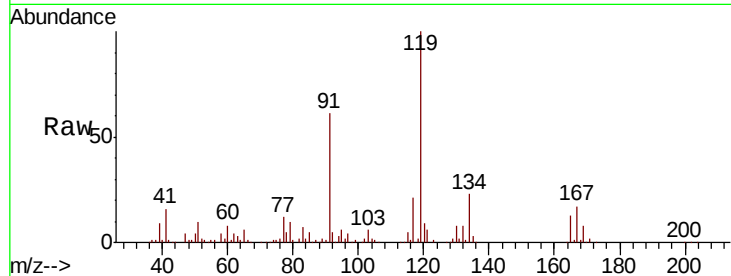
#83
tert-Butylbenzene
Concen: 51.134 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	254814		
91	60.7	29.8	89.4	
134	23.1	11.5	34.4	

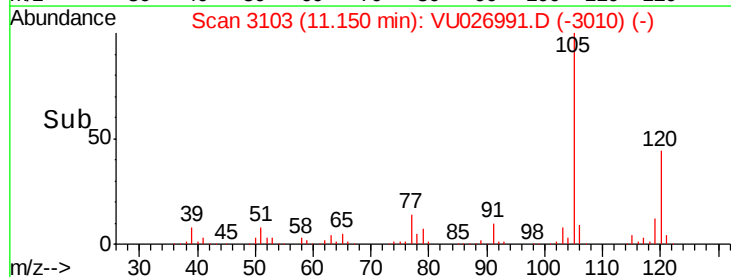
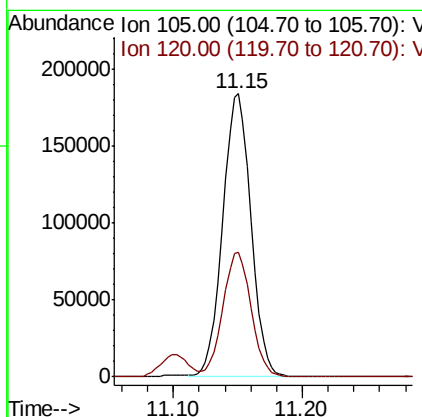
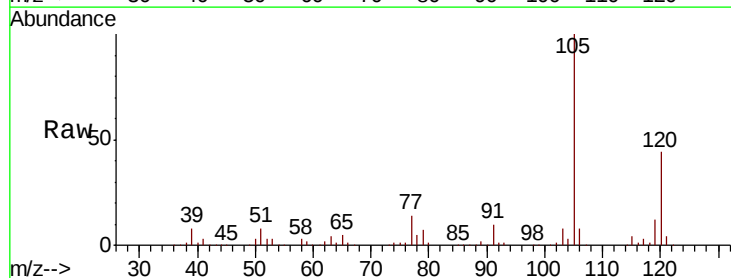
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#84
1,2,4-Trimethylbenzene
Concen: 54.183 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277935		
120	44.0	22.4	67.2	





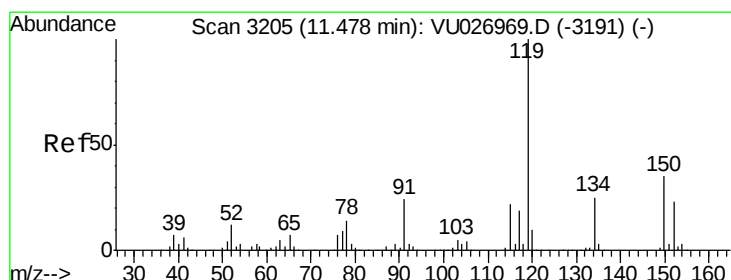
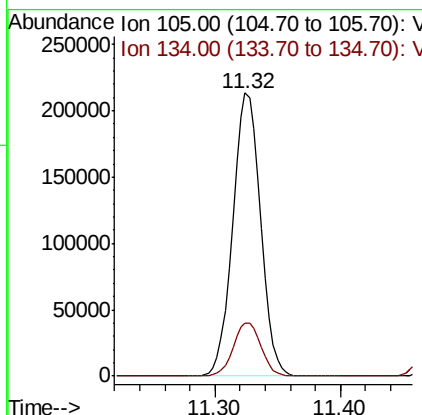
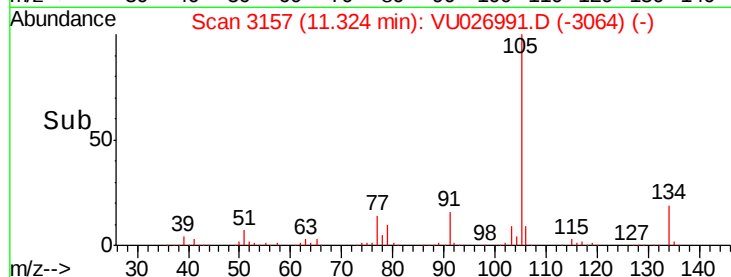
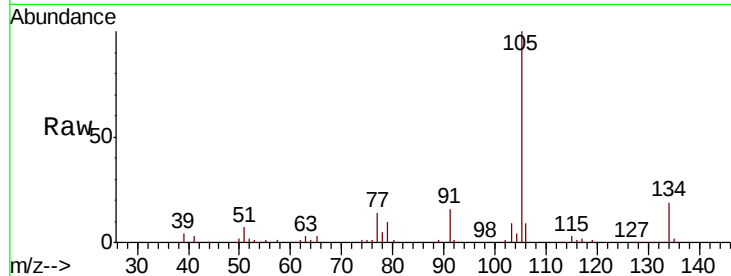
#85
 sec-Butylbenzene
 Concen: 53.788 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.4	28.2

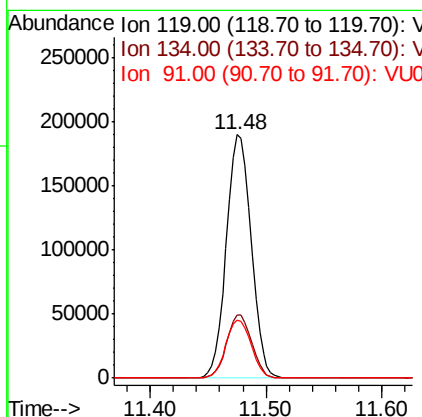
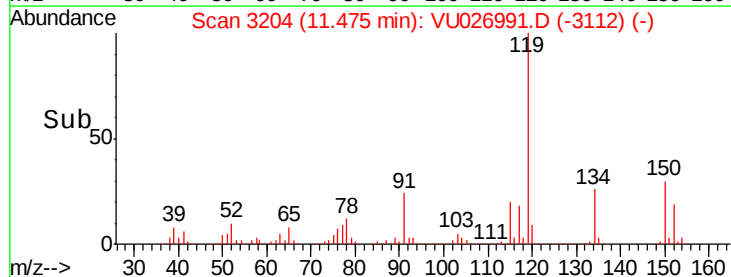
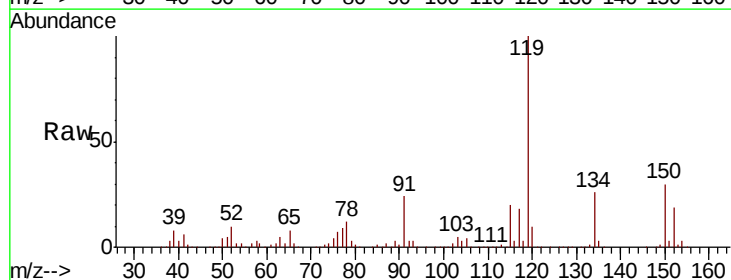
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 49.446 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.3
91	24.3	12.3	36.8





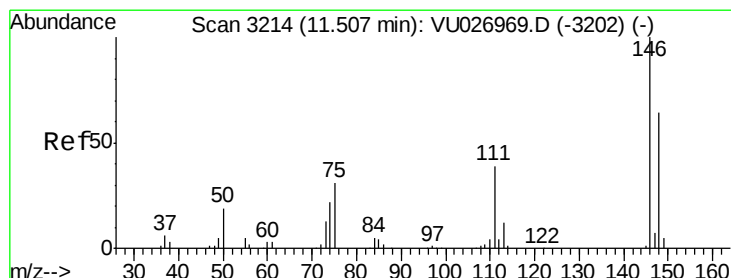
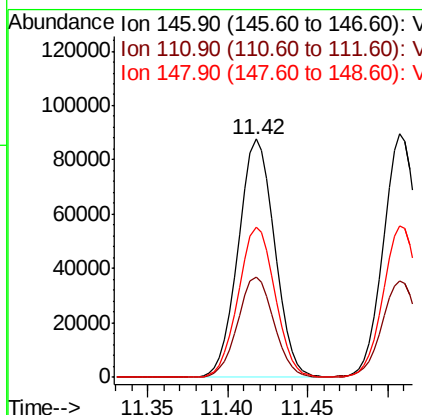
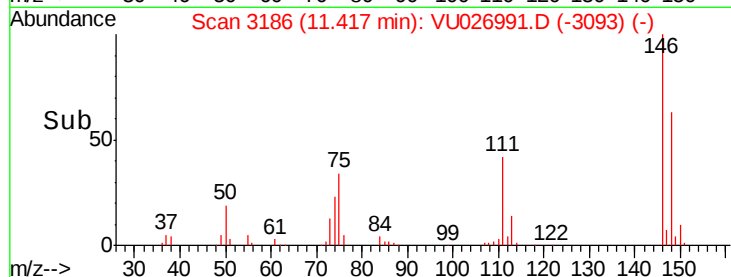
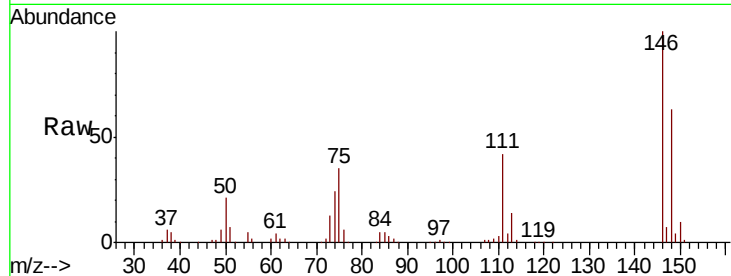
#87
 1,3-Dichlorobenzene
 Concen: 48.830 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.2
148	63.7	32.0	96.2

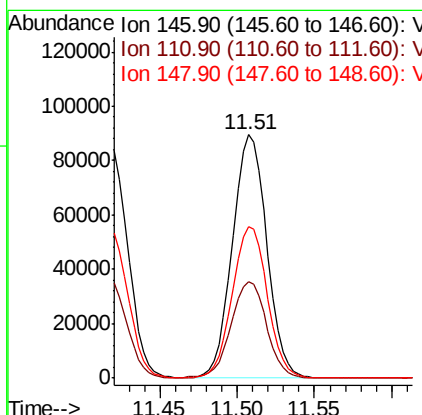
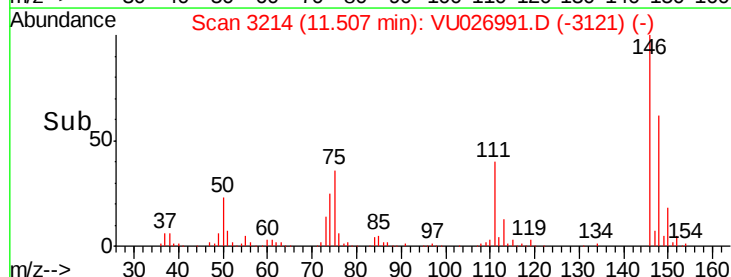
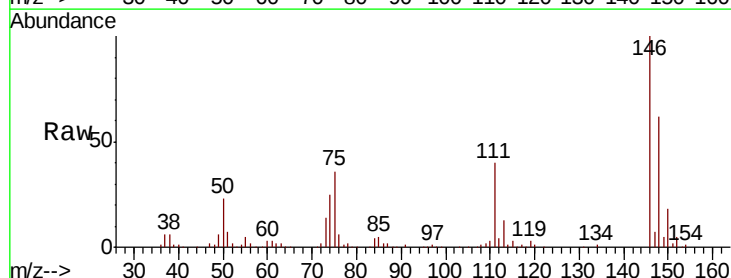
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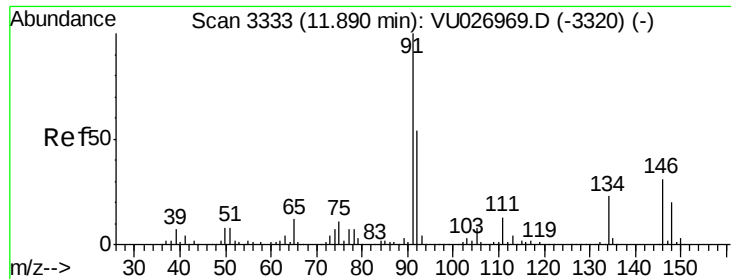
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#88
 1,4-Dichlorobenzene
 Concen: 45.470 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	60.9
148	63.8	31.9	95.9





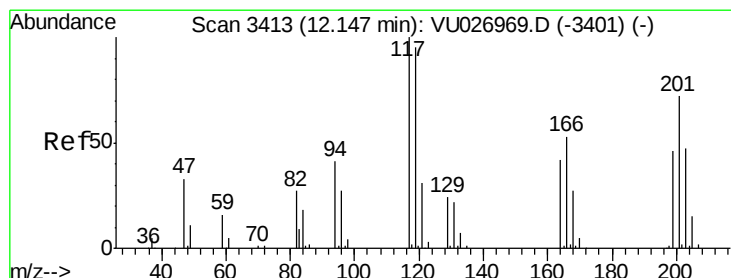
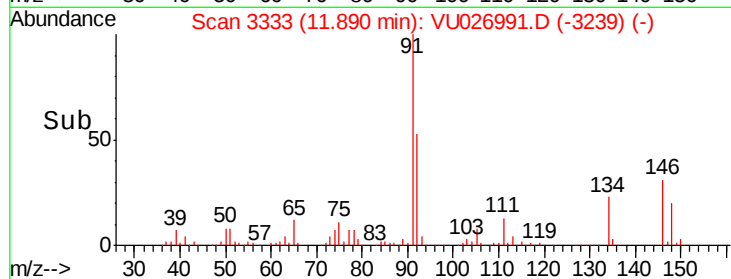
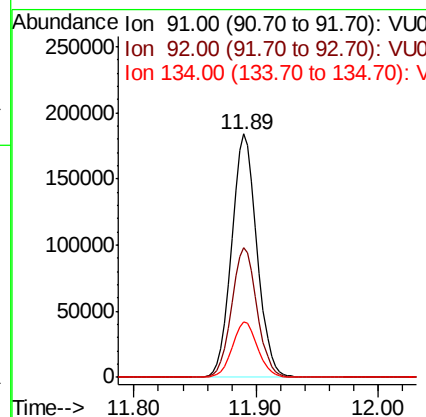
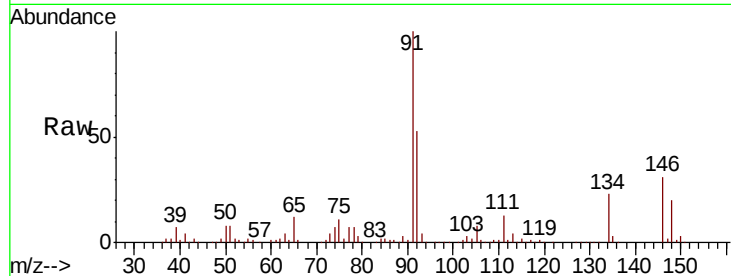
#89
n-Butylbenzene
Concen: 48.403 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.1	81.2
134	22.9	11.7	35.0

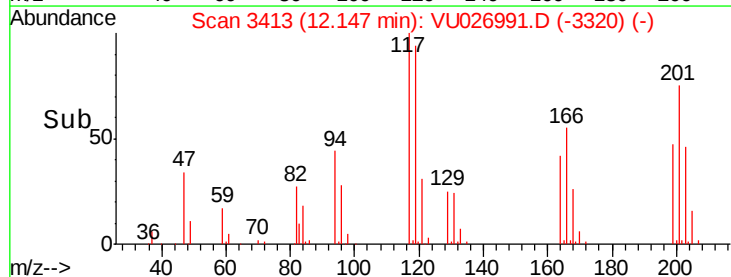
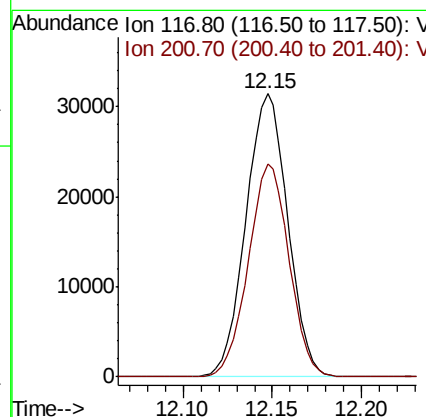
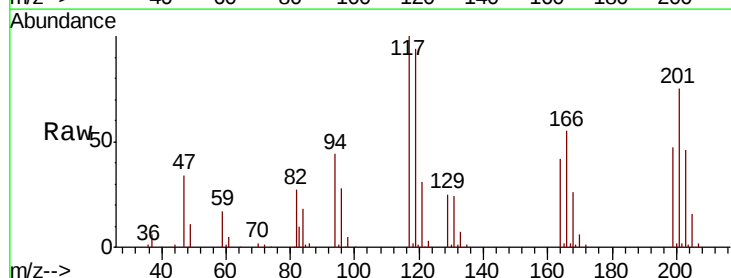
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#90
Hexachloroethane
Concen: 46.600 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	36.8	110.3





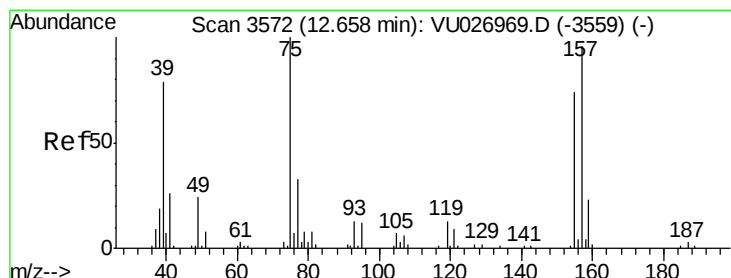
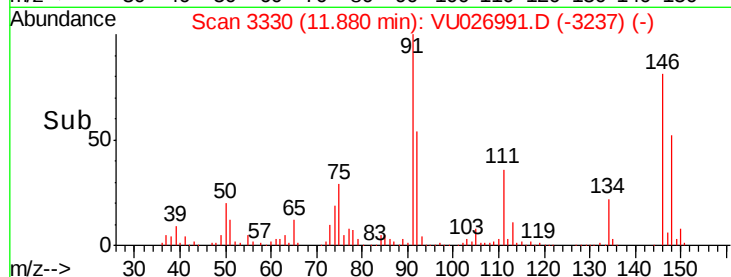
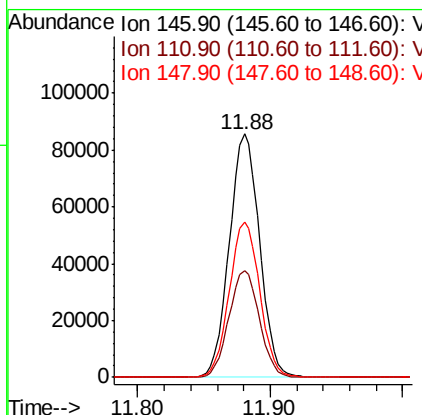
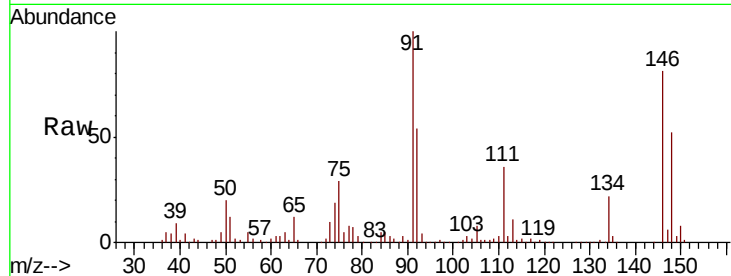
#91
 1,2-Dichlorobenzene
 Concen: 46.090 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	64.0	31.9	95.7

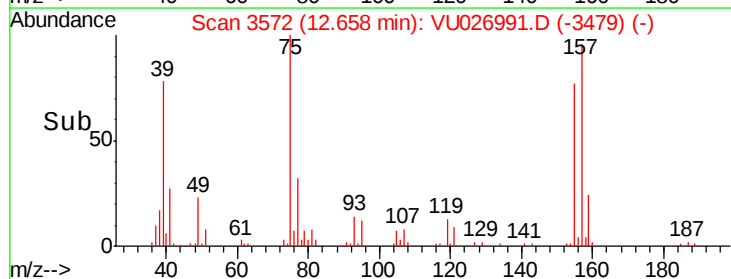
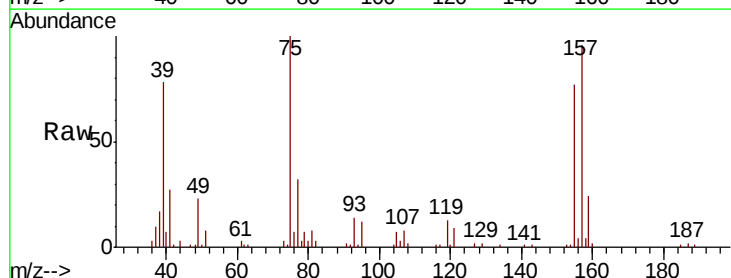
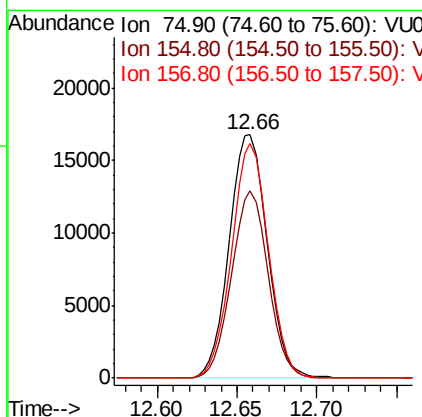
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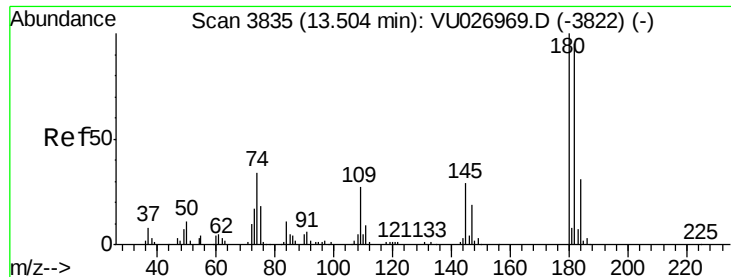
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.494 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	36.6	109.8
157	92.8	47.4	142.2





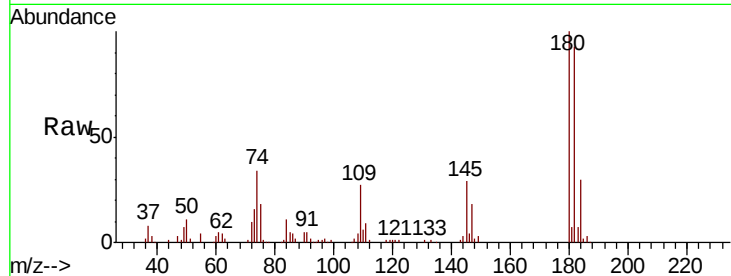
#93
 1,2,4-Trichlorobenzene
 Concen: 52.500 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	29.7	14.9	44.5

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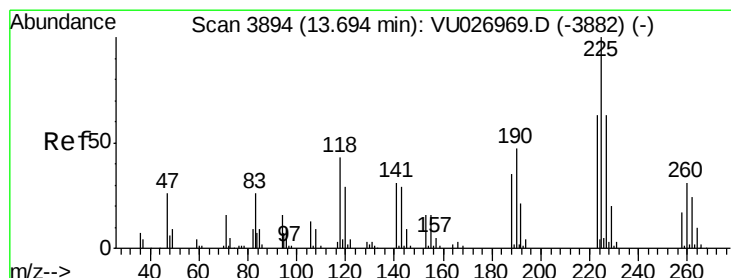
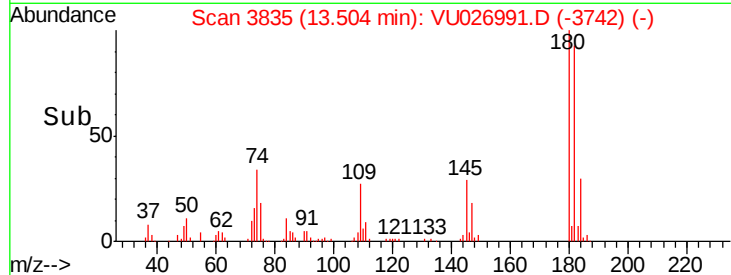
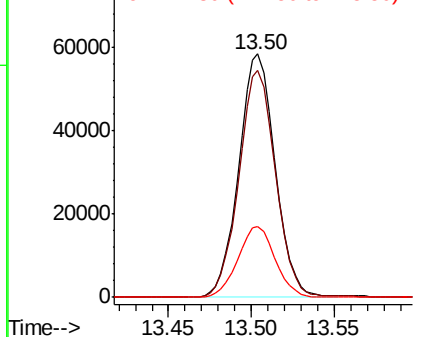


Abundance

Ion 179.80 (179.50 to 180.50): V

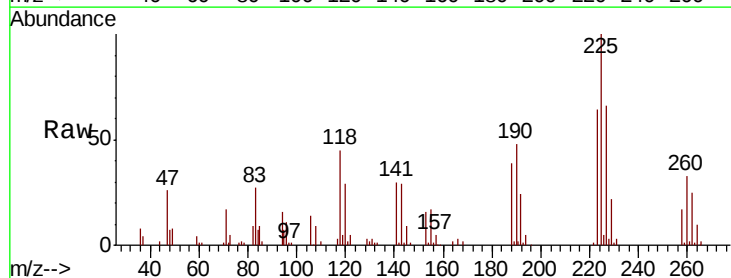
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.423 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU026991.D
 Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	64.9	32.1	96.5

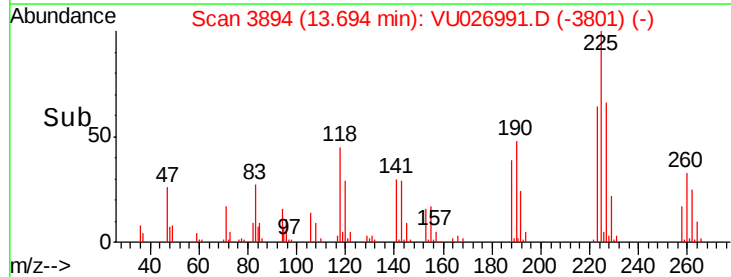
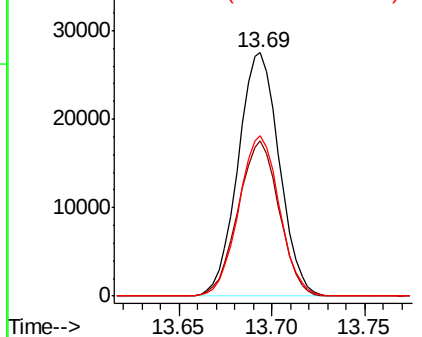


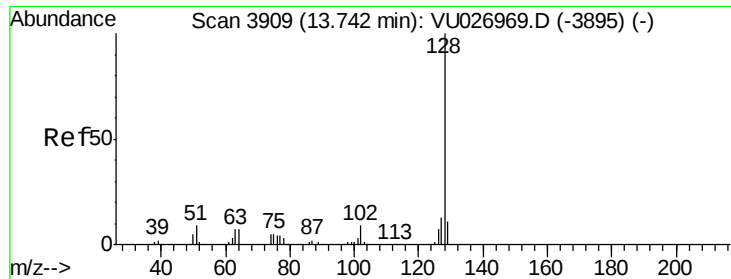
Abundance

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





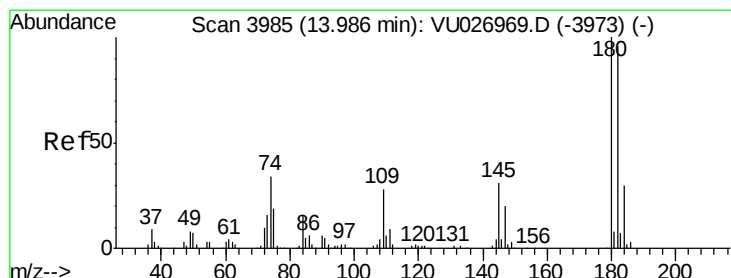
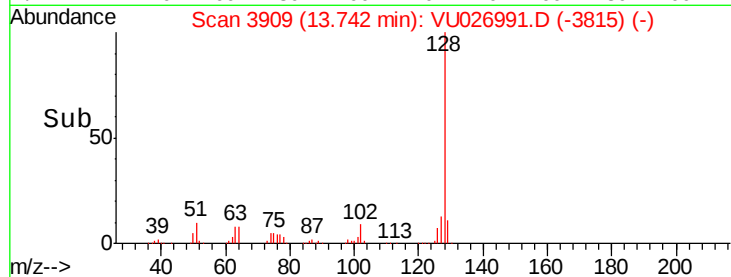
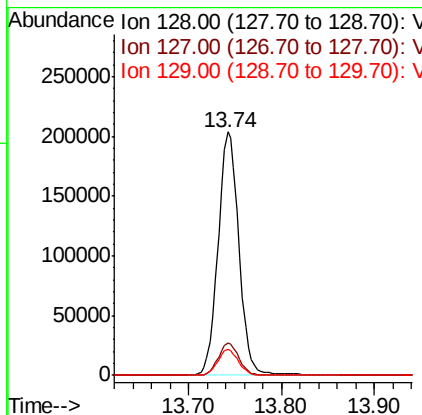
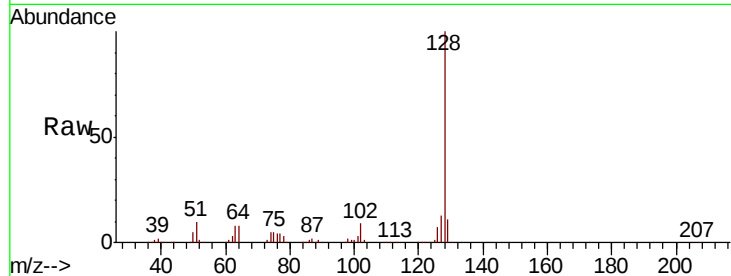
#95
Naphthalene
Concen: 47.795 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	317116		
127	13.3		10.6	15.8
129	10.6		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.638 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU026991.D
Acq: 22 Sep 2018 00:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94123		
182	95.3		47.5	142.5
145	31.6		15.4	46.4

