

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027083.D
 Acq On : 23 Sep 2018 19:33
 Operator : MD/SY
 Sample : J4958-21MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 127 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:38 PM

Quant Time: Sep 24 08:57:47 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	77533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71659	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	85402	54.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.46%		
35) Dibromofluoromethane	4.88	113	59308	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.26%		
50) Toluene-d8	7.57	98	230297	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.16%		
62) 4-Bromofluorobenzene	10.31	95	80204	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.70%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	48218	47.632	ug/l	97
3) Chloromethane	1.33	50	84037	48.150	ug/l	99
4) Vinyl Chloride	1.40	62	81186	49.833	ug/l	100
5) Bromomethane	1.62	94	41767	45.020	ug/l	98
6) Chloroethane	1.69	64	54250	52.117	ug/l	98
7) Trichlorofluoromethane	1.89	101	92987	50.254	ug/l	97
8) Diethyl Ether	2.10	74	46317	52.005	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52865	46.466	ug/l	99
10) Methyl Iodide	2.41	142	53722	38.073	ug/l	100
11) Tert butyl alcohol	2.82	59	101084	282.616	ug/l	100
12) 1,1-Dichloroethene	2.28	96	53756	50.199	ug/l	97
13) Acrolein	2.20	56	47395	245.812	ug/l	99
14) Allyl chloride	2.59	41	114911	52.907	ug/l	97
15) Acrylonitrile	2.94	53	252388	279.973	ug/l	100
16) Acetone	2.32	43	226715	275.180	ug/l	99
17) Carbon Disulfide	2.48	76	169287	48.528	ug/l	99
18) Methyl Acetate	2.61	43	106512	47.955	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221156	56.201	ug/l	99
20) Methylene Chloride	2.70	84	68995	49.369	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59338	51.900	ug/l	99
22) Diisopropyl ether	3.57	45	271464	58.435	ug/l	98
23) Vinyl Acetate	3.53	43	954392	241.009	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138931	54.300	ug/l	99
25) 2-Butanone	4.26	43	360604	274.975	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64021	32.084	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	68112	52.752	ug/l	100
28) Bromochloromethane	4.55	49	76068	61.675	ug/l	93
29) Tetrahydrofuran	4.64	42	234300	295.343	ug/l	97
30) Chloroform	4.67	83	123850	52.148	ug/l	98
31) Cyclohexane	5.00	56	118953	51.158	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	101313	53.428	ug/l	99
36) 1,1-Dichloropropene	5.14	75	91543	50.258	ug/l	98
37) Ethyl Acetate	4.38	43	113029	45.839	ug/l	99
38) Carbon Tetrachloride	5.14	117	86046	49.641	ug/l	97

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 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)
39) Methylcyclohexane	6.42	83	93414	47.193	ug/l	96
40) Benzene	5.39	78	278607	50.316	ug/l	100
41) Methacrylonitrile	4.54	41	74350	58.059	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109147	52.173	ug/l	99
43) Isopropyl Acetate	5.55	43	181550	50.486	ug/l	99
44) Trichloroethene	6.19	130	58760	49.847	ug/l	97
45) 1,2-Dichloropropane	6.43	63	81177	51.452	ug/l	99
46) Dibromomethane	6.56	93	48707	51.116	ug/l	98
47) Bromodichloromethane	6.76	83	97741	50.728	ug/l	100
48) Methyl methacrylate	6.62	41	104401	53.273	ug/l	98
49) 1,4-Dioxane	6.61	88	38190	982.474	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	689170	284.953	ug/l	99
52) Toluene	7.64	92	168936	53.226	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	105222	50.829	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	109981	48.318	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69783	51.888	ug/l	99
56) Ethyl methacrylate	8.02	69	117355	50.279	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132773	53.081	ug/l	100
59) 2-Hexanone	8.36	43	530031	279.968	ug/l	99
60) Dibromochloromethane	8.48	129	68700	52.078	ug/l	99
61) 1,2-Dibromoethane	8.59	107	71107	50.816	ug/l	100
64) Tetrachloroethene	8.23	164	46795	45.319	ug/l	98
65) Chlorobenzene	9.12	112	171032	48.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62532	51.097	ug/l	99
67) Ethyl Benzene	9.25	91	309600	52.990	ug/l	100
68) m/p-Xylenes	9.38	106	230944	97.639	ug/l	98
69) o-Xylene	9.78	106	112308	54.252	ug/l	98
70) Styrene	9.79	104	185996	48.188	ug/l	100
71) Bromoform	9.96	173	49655	52.469	ug/l #	99
73) Isopropylbenzene	10.17	105	299738	54.988	ug/l	99
74) N-amyl acetate	10.01	43	151011	47.860	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	122354	48.820	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	104945m	48.207	ug/l	
77) Bromobenzene	10.45	156	69014	51.810	ug/l	95
78) n-propylbenzene	10.59	91	362141	56.147	ug/l	99
79) 2-Chlorotoluene	10.66	91	215735	53.251	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	251462	55.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36521m	53.686	ug/l	
82) 4-Chlorotoluene	10.77	91	246032	54.160	ug/l	99
83) tert-Butylbenzene	11.10	119	240889	54.149	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	255944	55.892	ug/l	99
85) sec-Butylbenzene	11.32	105	297592	54.800	ug/l	99
86) p-Isopropyltoluene	11.48	119	248855	48.859	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	124280	50.137	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	125957	46.623	ug/l	100
89) n-Butylbenzene	11.89	91	226755	46.102	ug/l	99
90) Hexachloroethane	12.15	117	48172	48.781	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	127048	48.250	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27973	54.712	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	79408	52.333	ug/l	99

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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)
94) Hexachlorobutadiene	13.69	225	36332	45.253	ug/l	99
95) Naphthalene	13.74	128	301039	50.718	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84929	52.193	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:168 Resp: 77533

Ion Ratio Lower Upper

168 100

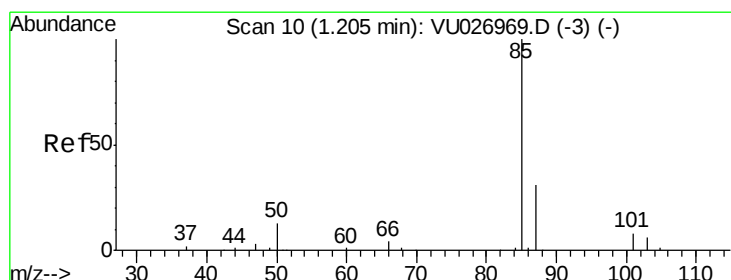
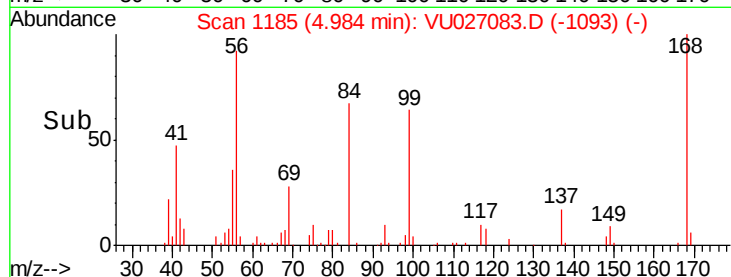
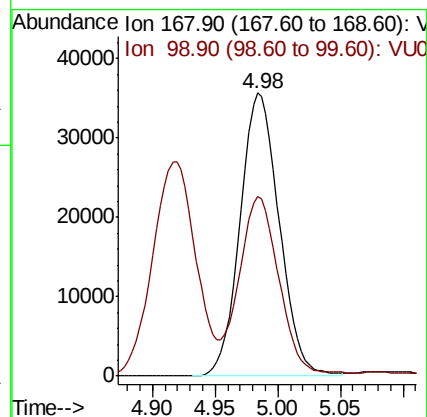
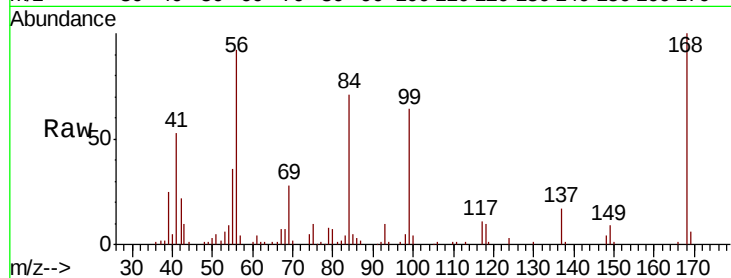
99 62.1 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.632 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027083.D

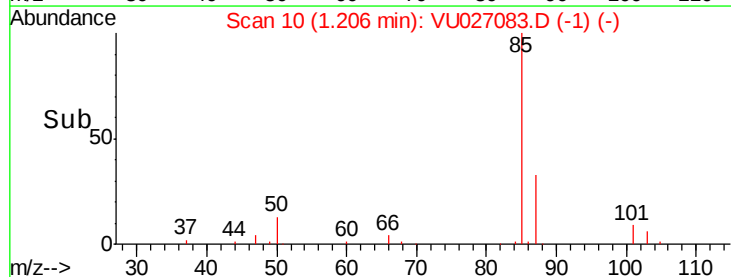
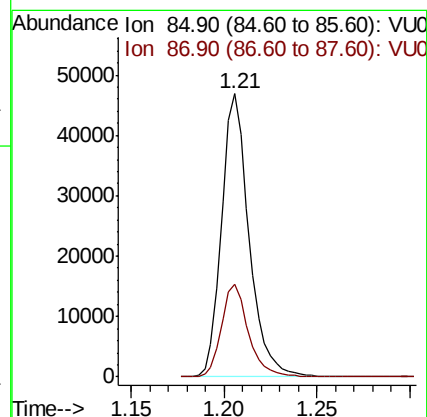
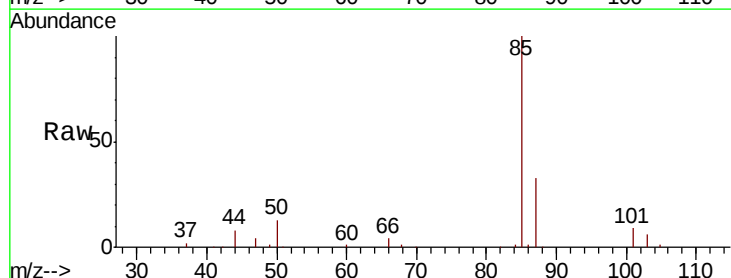
Acq: 23 Sep 2018 19:33

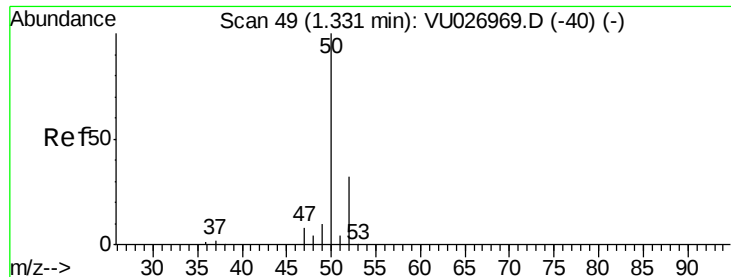
Tgt Ion: 85 Resp: 48218

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.7





#3

Chloromethane

Concen: 48.150 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 50 Resp: 84037

Ion Ratio Lower Upper

50 100

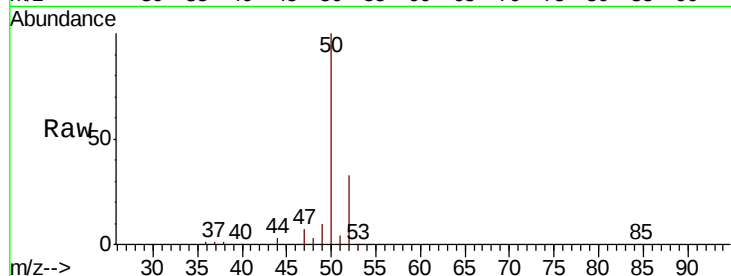
52 32.7 25.9 38.9

Manual Integrations

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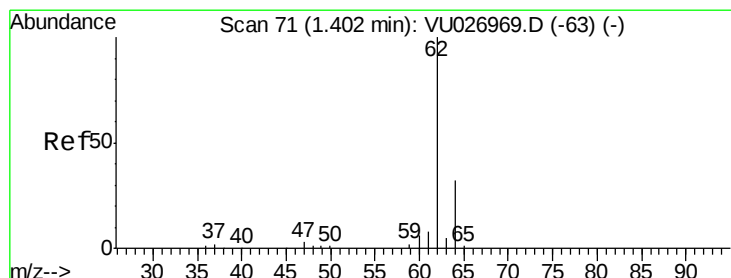
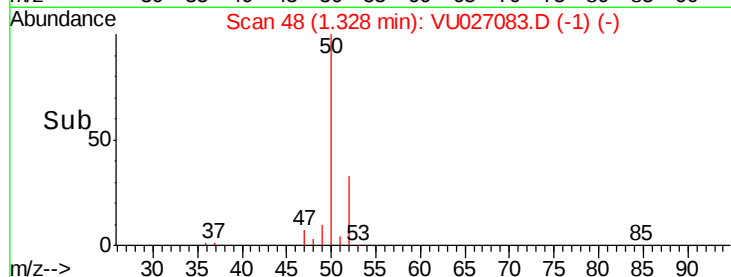
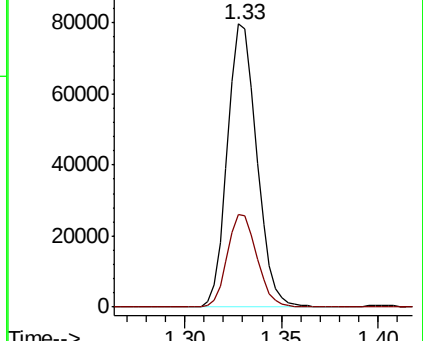
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Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027083.D (-1) (-)



#4

Vinyl Chloride

Concen: 49.833 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027083.D

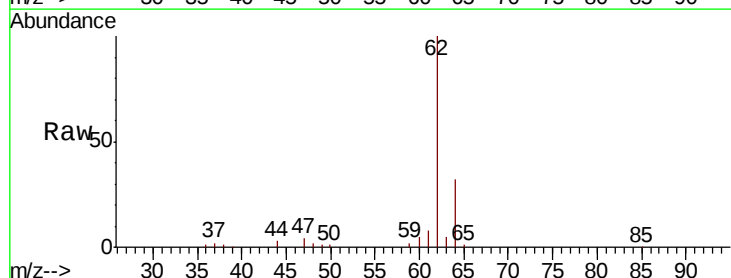
Acq: 23 Sep 2018 19:33

Tgt Ion: 62 Resp: 81186

Ion Ratio Lower Upper

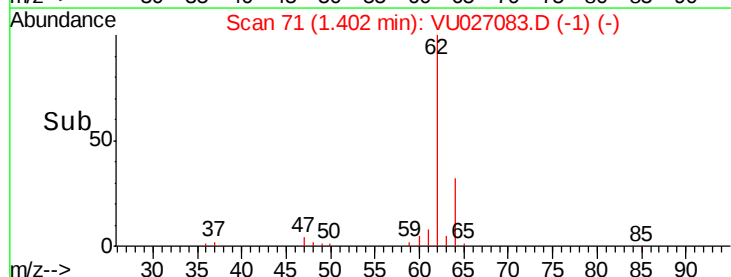
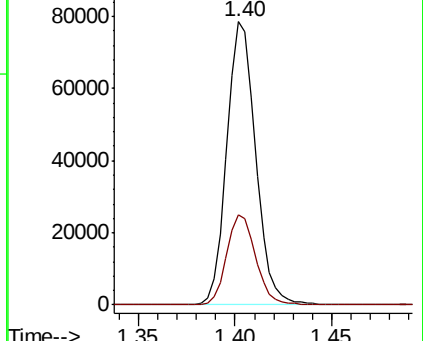
62 100

64 32.0 25.5 38.3



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

Ion 63.90 (63.60 to 64.60): VU027083.D (-1) (-)





#5

Bromomethane

Concen: 45.020 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 94 Resp: 41767

Ion Ratio Lower Upper

94 100

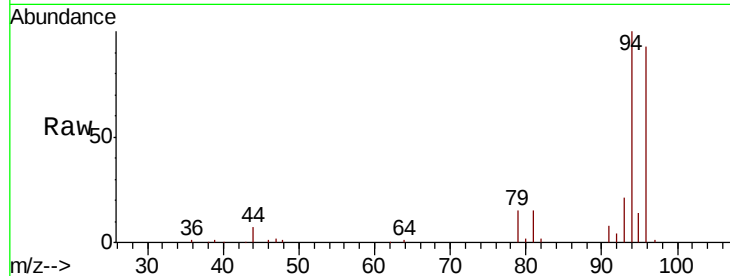
96 93.0 73.2 109.8

Manual Integrations

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

Ion 95.90 (95.60 to 96.60): VU026969.D

1.62

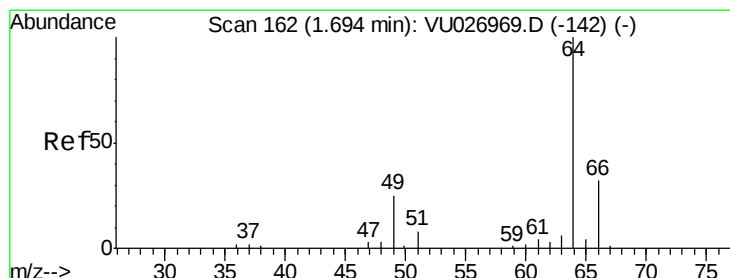
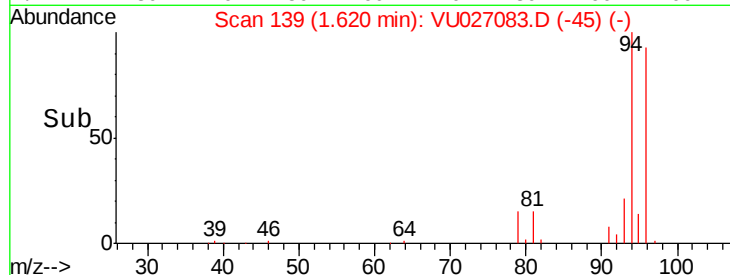
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 52.117 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027083.D

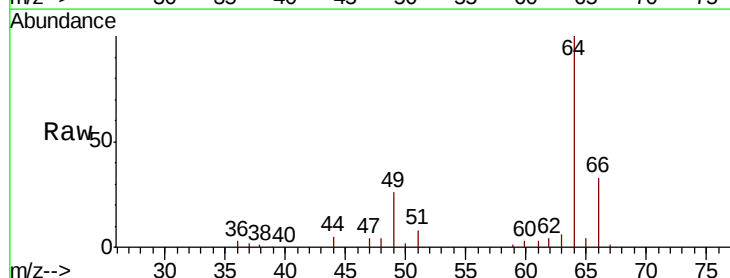
Acq: 23 Sep 2018 19:33

Tgt Ion: 64 Resp: 54250

Ion Ratio Lower Upper

64 100

66 32.6 25.3 37.9



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

Ion 65.90 (65.60 to 66.60): VU026969.D

1.69

40000

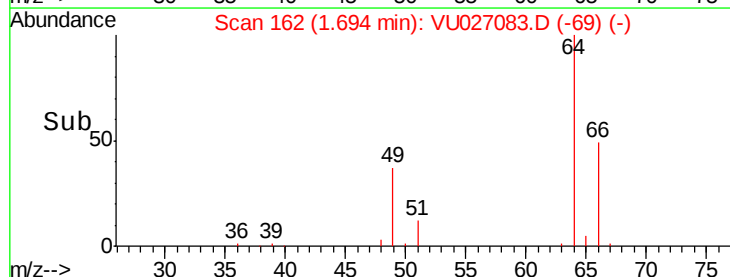
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Time-->





#7

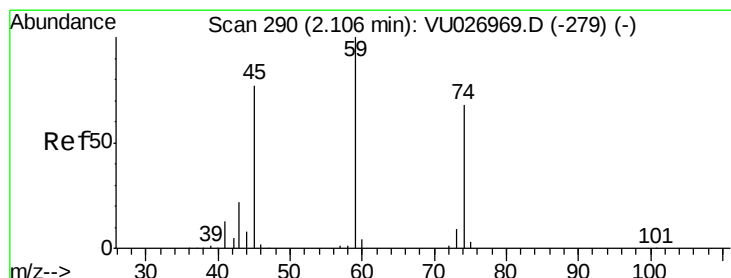
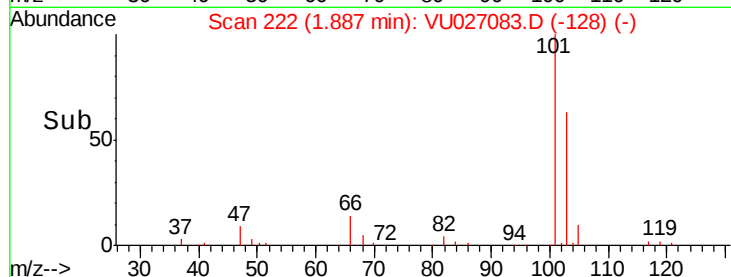
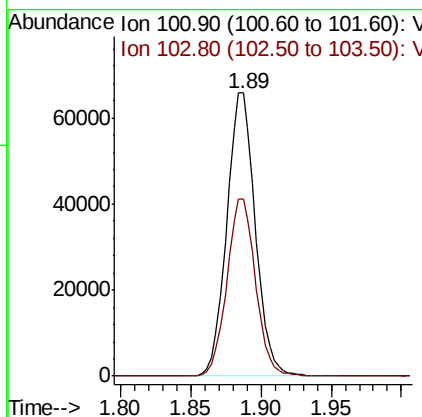
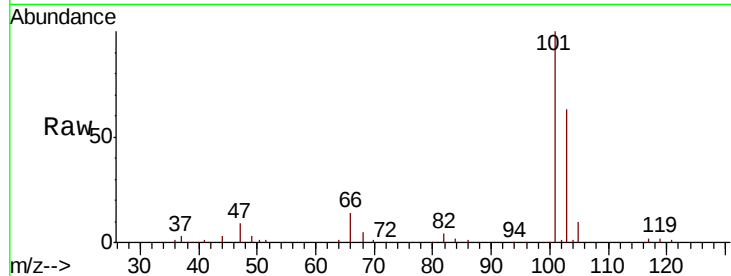
Trichlorofluoromethane
 Concen: 50.254 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
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Tot Ion:101 Resp: 92987
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.2 78.2

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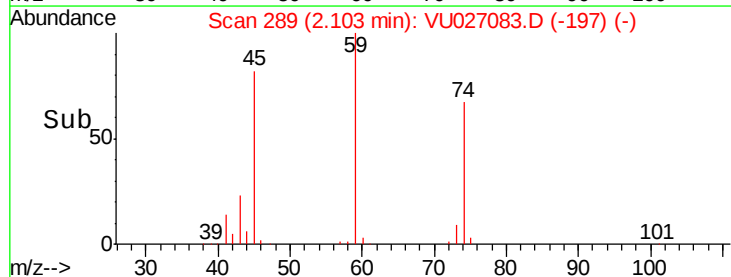
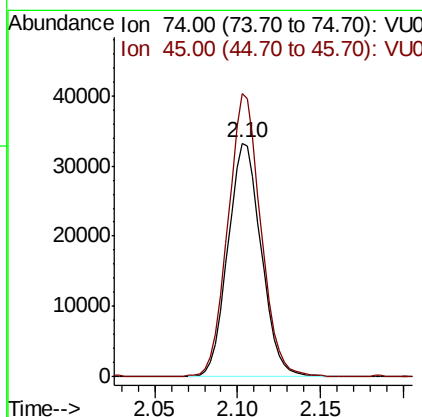
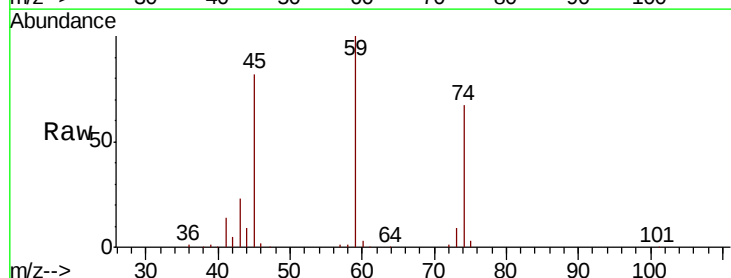
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#8

Diethyl Ether
 Concen: 52.005 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion: 74 Resp: 46317
 Ion Ratio Lower Upper
 74 100
 45 120.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.466 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

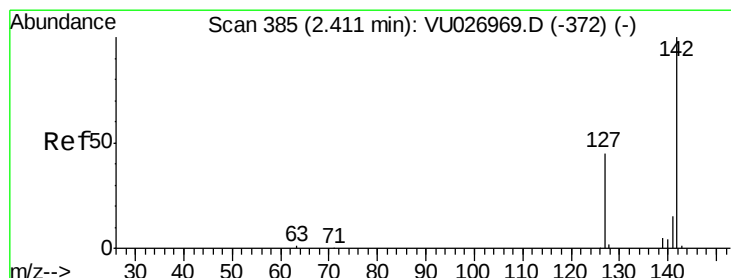
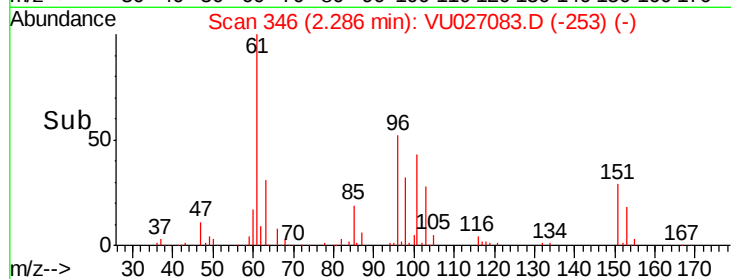
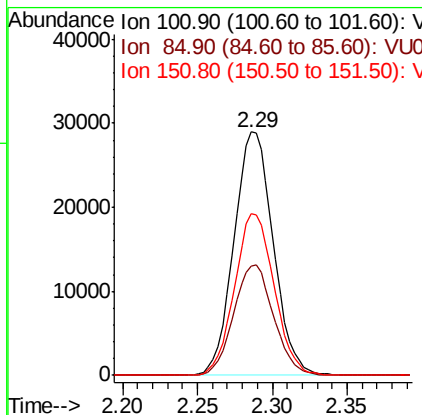
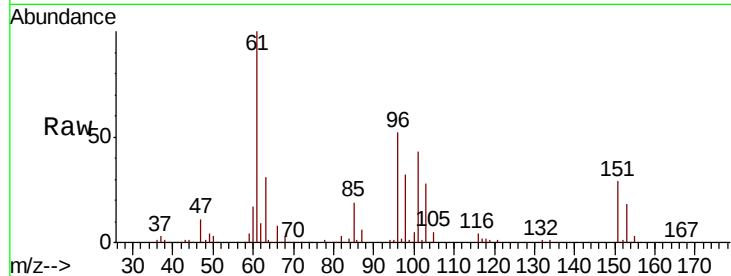
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	101	Resp:	52865
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.2	54.2
151	67.0	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 38.073 ug/l

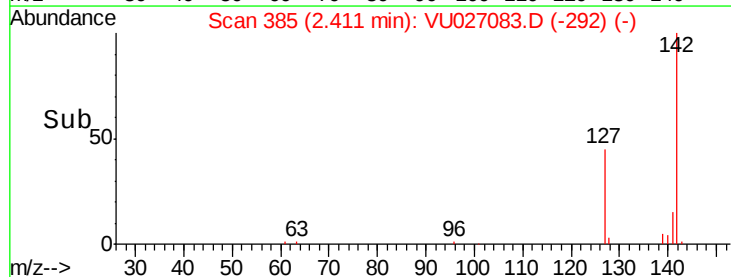
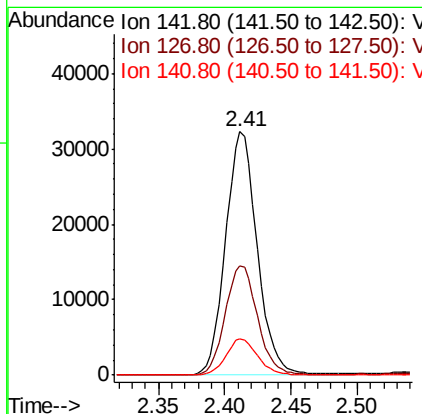
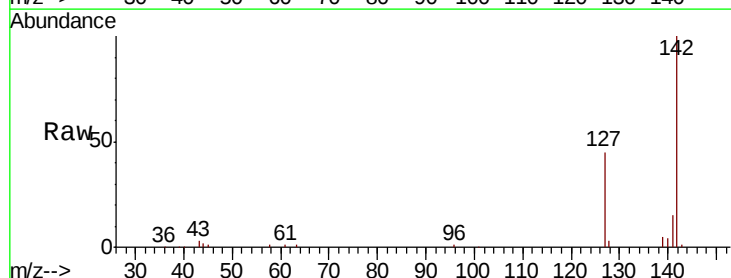
RT: 2.41 min Scan# 385

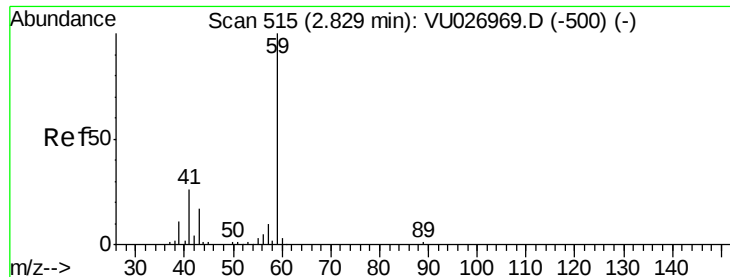
Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	142	Resp:	53722
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.7	55.1
141	14.7	11.8	17.6





#11

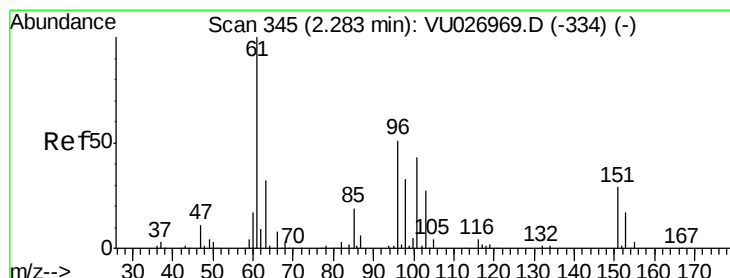
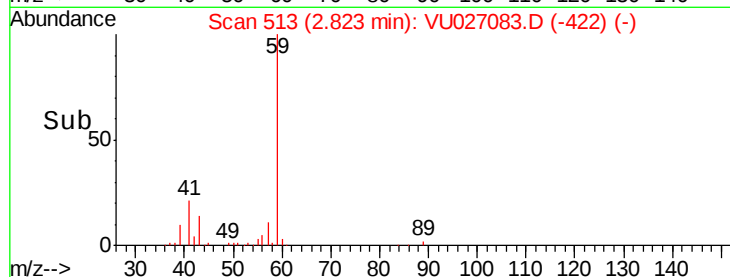
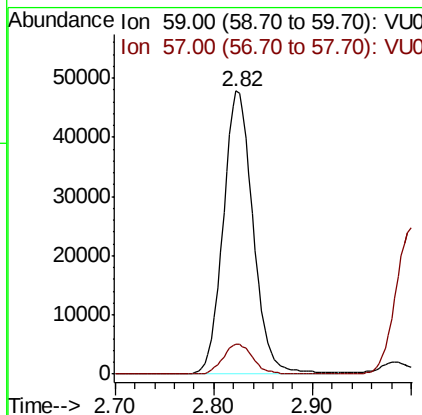
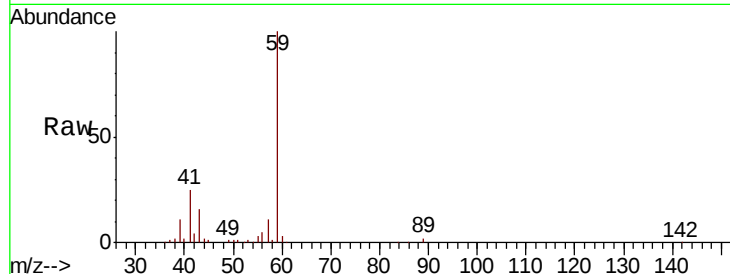
Tert butyl alcohol
 Concen: 282.616 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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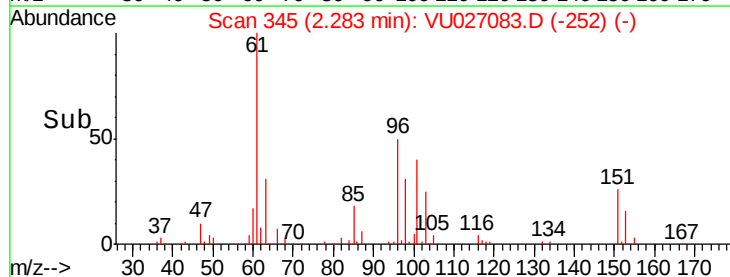
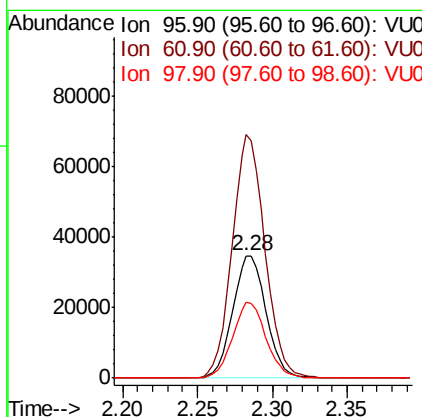
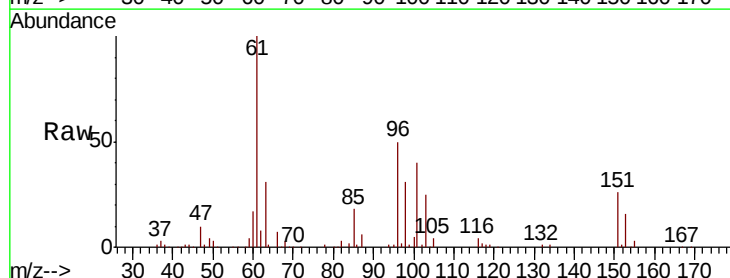
MMDadoda
 9/24/2018 4:40:38 PM

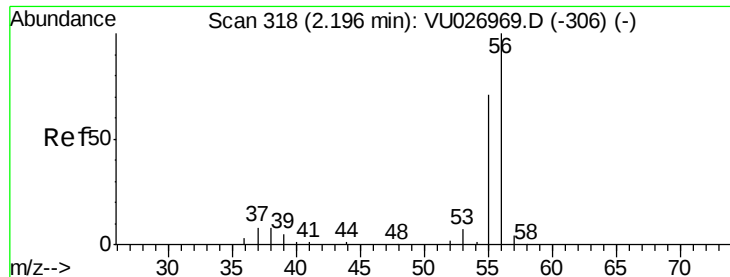


#12

1,1-Dichloroethene
 Concen: 50.199 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.7	156.1	234.1
98	61.7	51.4	77.0





#13

Acrolein

Concen: 245.812 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 56 Resp: 47395

Ion Ratio Lower Upper

56 100

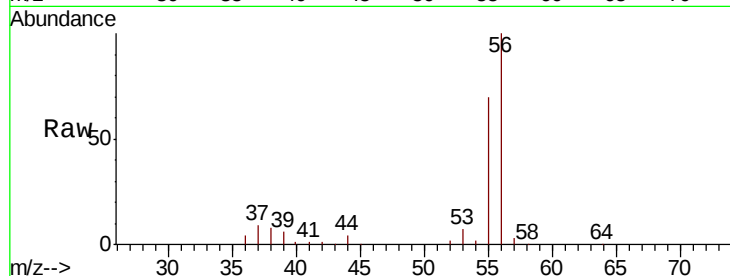
55 71.0 57.1 85.7

Manual Integrations

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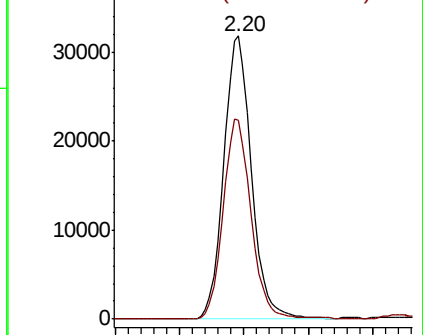
MMDadoda

9/24/2018 4:40:38 PM

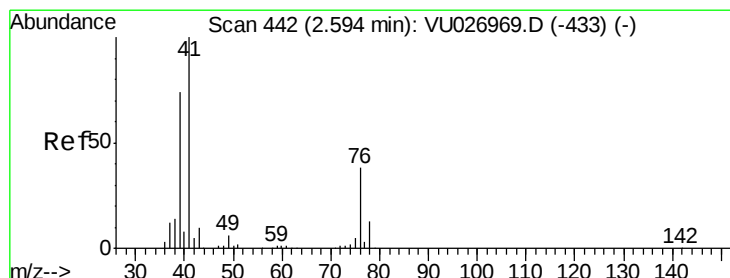
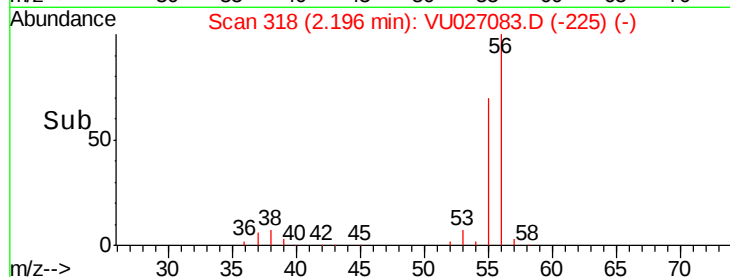


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time--> 2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 52.907 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

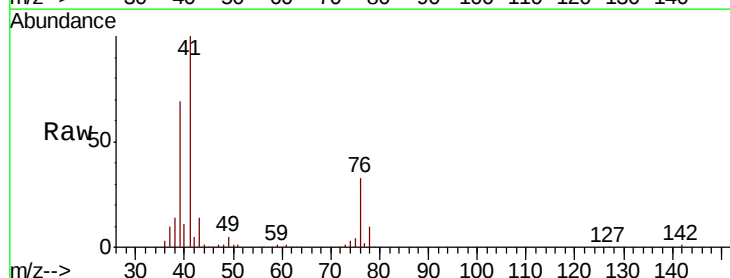
Tgt Ion: 41 Resp: 114911

Ion Ratio Lower Upper

41 100

39 66.5 55.7 83.5

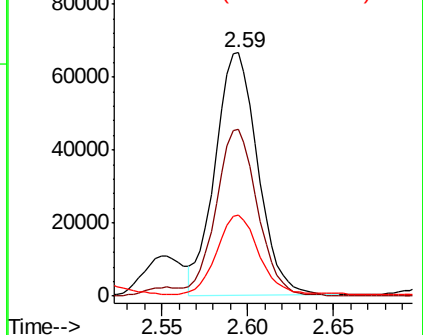
76 32.5 26.5 39.7



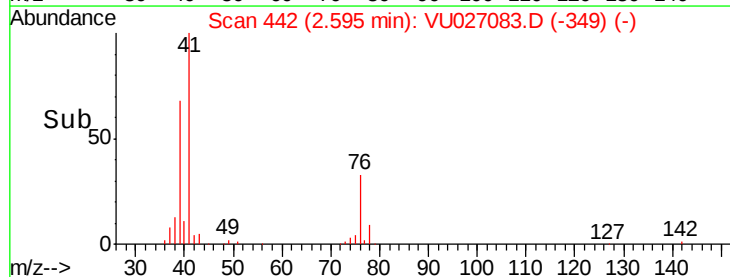
Abundance Ion 41.00 (40.70 to 41.70): VU0

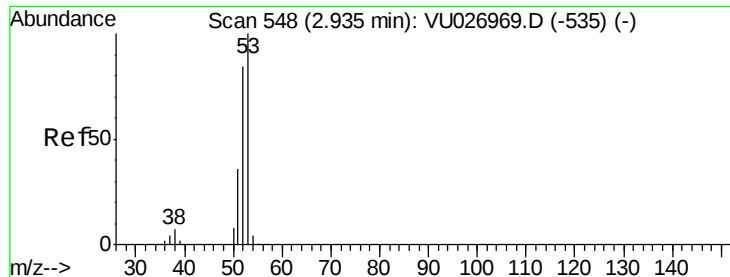
Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time--> 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 279.973 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

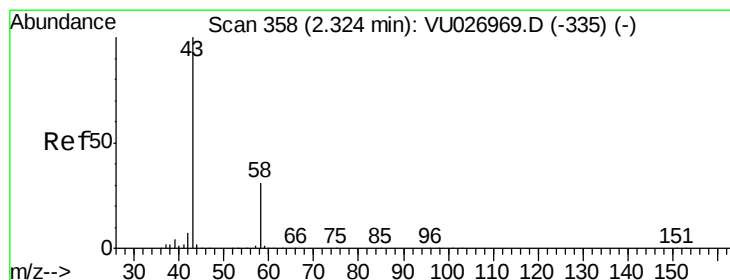
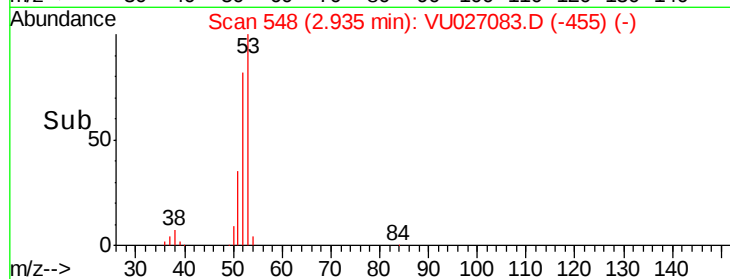
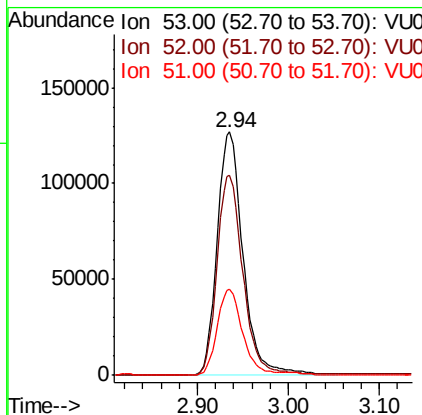
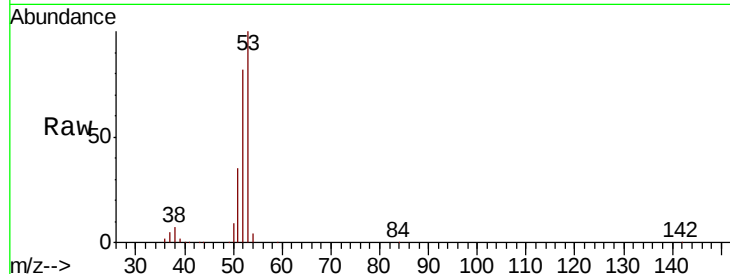
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	53	Resp:	252388
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.7	98.5
51	34.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 275.180 ug/l

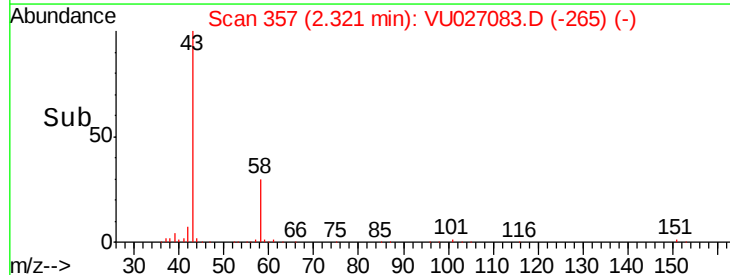
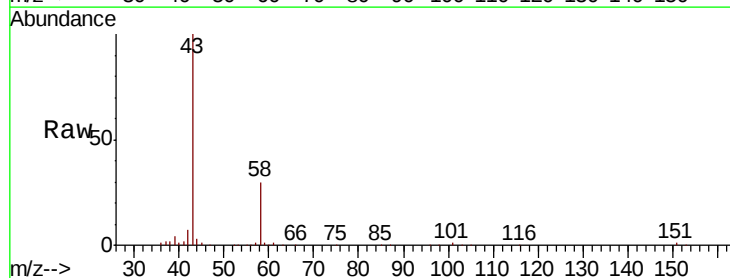
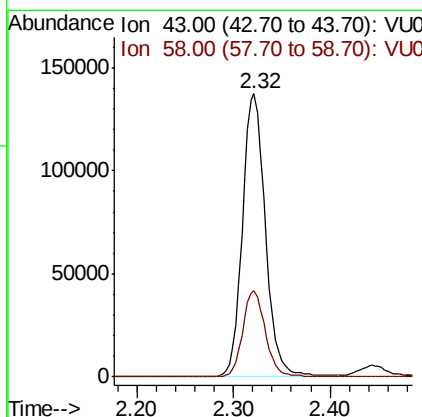
RT: 2.32 min Scan# 357

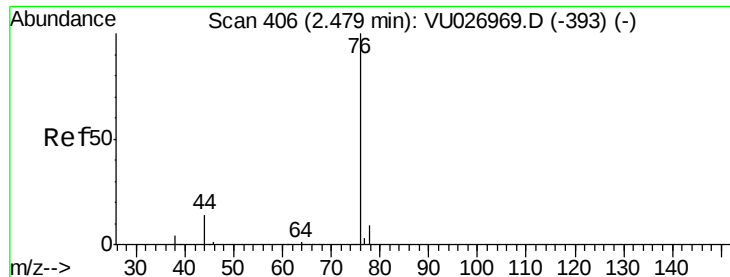
Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	43	Resp:	226715
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





#17

Carbon Disulfide

Concen: 48.528 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 76 Resp: 169287

Ion Ratio Lower Upper

76 100

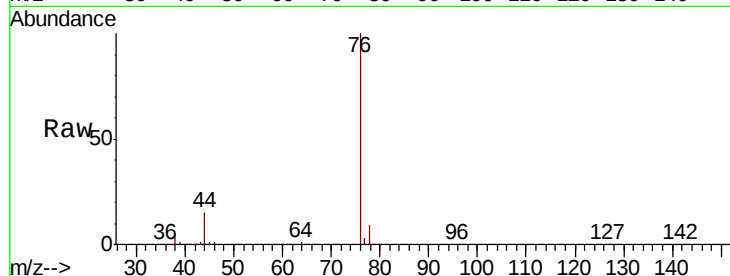
78 9.3 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

2.48

100000

80000

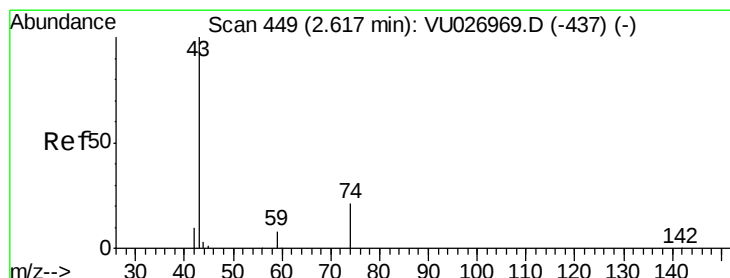
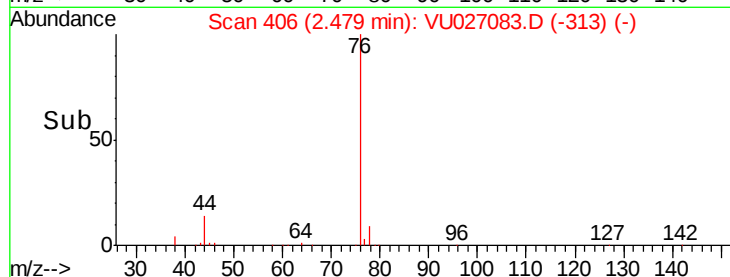
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.955 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027083.D

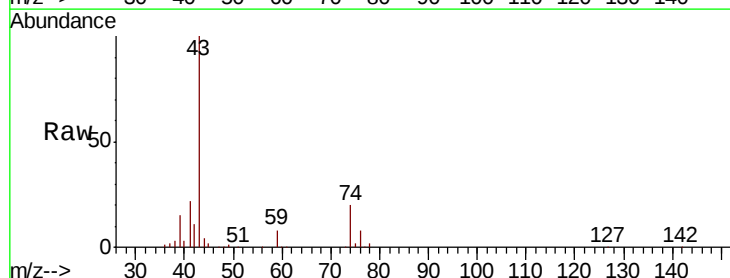
Acq: 23 Sep 2018 19:33

Tgt Ion: 43 Resp: 106512

Ion Ratio Lower Upper

43 100

74 20.3 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026969.D (-437) (-)

2.61

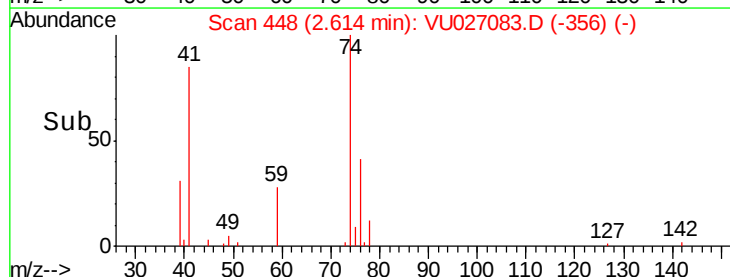
60000

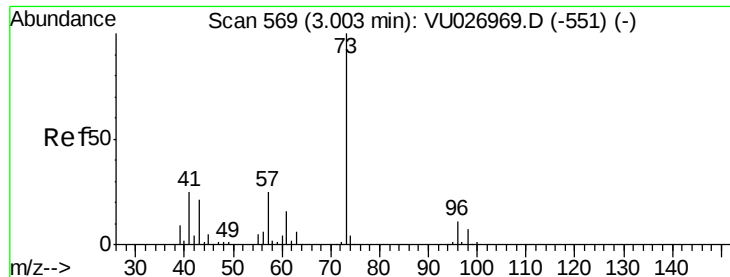
40000

20000

0

Time-->





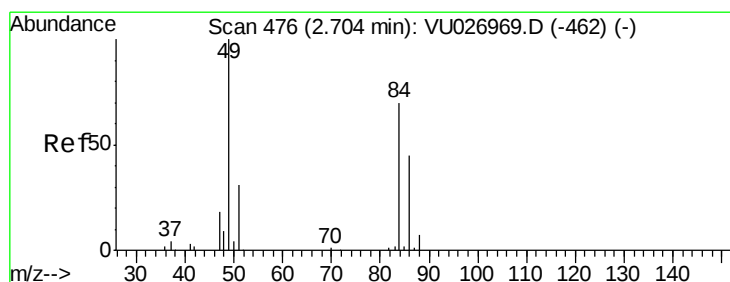
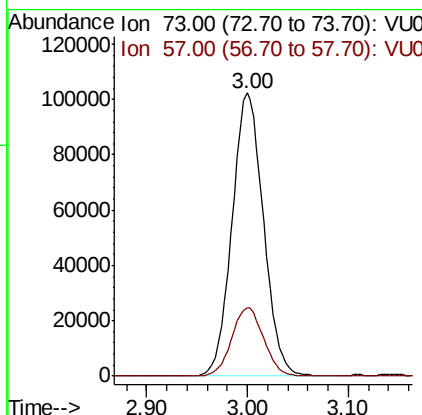
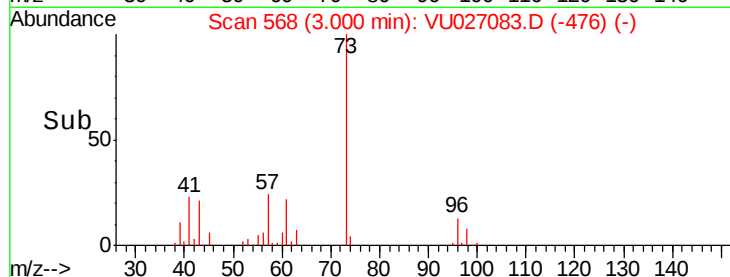
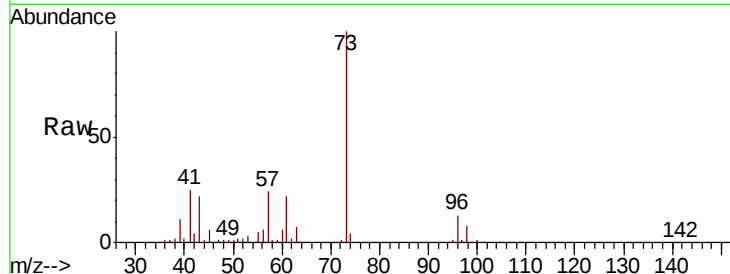
#19
Methvl tert-butvl Ether
Concen: 56.201 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion: 73 Resp: 221156
Ion Ratio Lower Upper
73 100
57 24.2 19.8 29.6

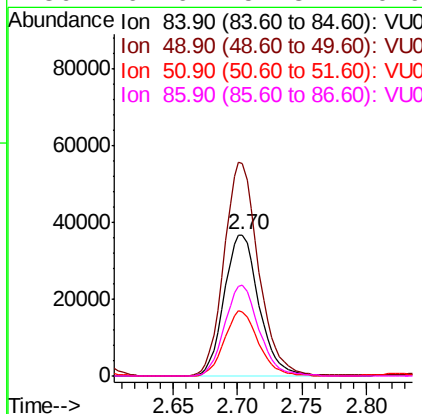
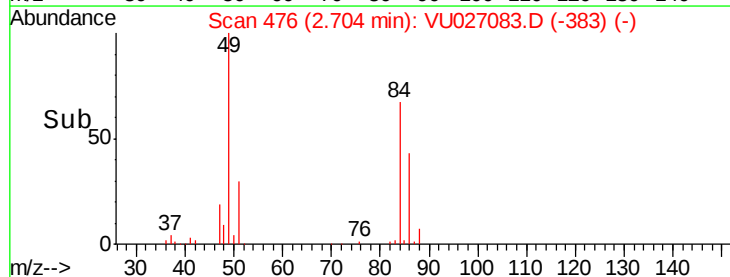
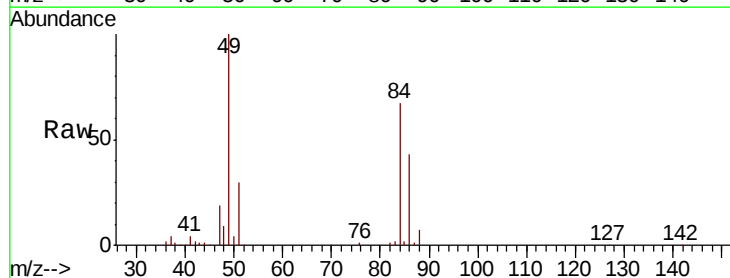
Manual Integrations
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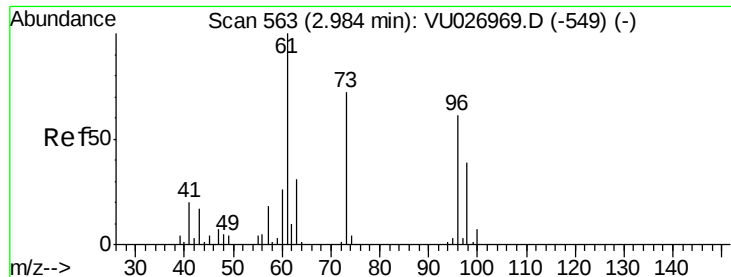
MMDadoda
9/24/2018 4:40:38 PM



#20
Methylene Chloride
Concen: 49.369 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion: 84 Resp: 68995
Ion Ratio Lower Upper
84 100
49 150.4 114.9 172.3
51 45.4 35.8 53.8
86 64.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 51.900 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 96 Resp: 59338

Ion Ratio Lower Upper

96 100

61 164.8 131.8 197.6

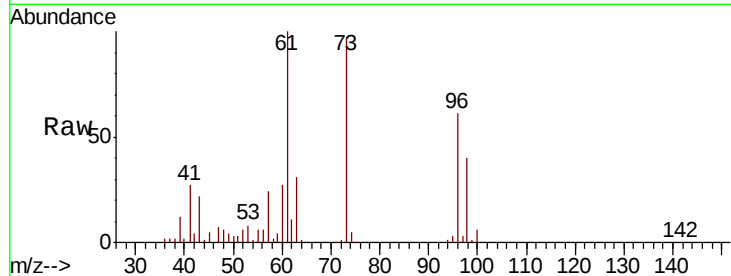
98 66.6 50.9 76.3

Manual Integrations

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MMDadoda

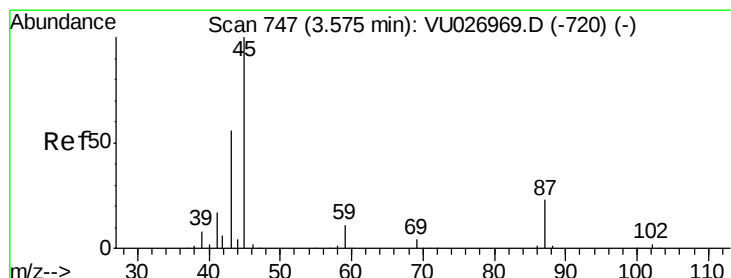
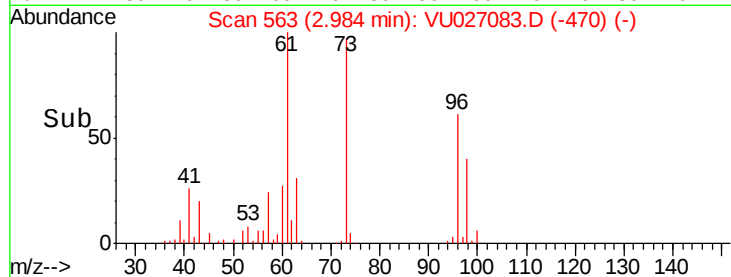
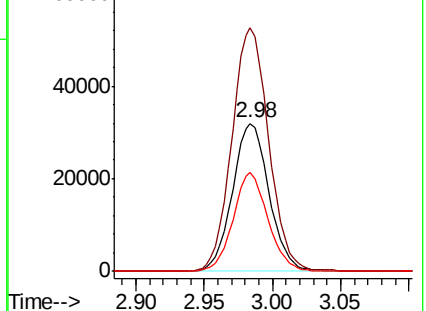
9/24/2018 4:40:38 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 58.435 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion: 45 Resp: 271464

Ion Ratio Lower Upper

45 100

43 55.9 45.8 68.6

87 22.1 18.6 28.0

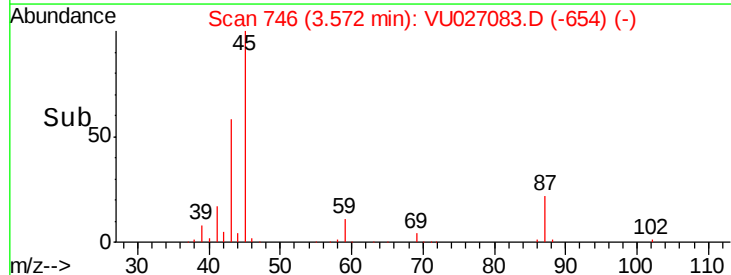
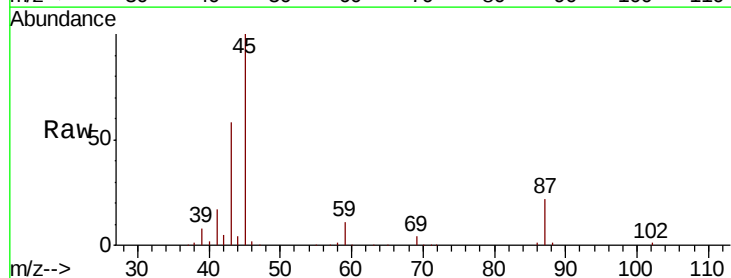
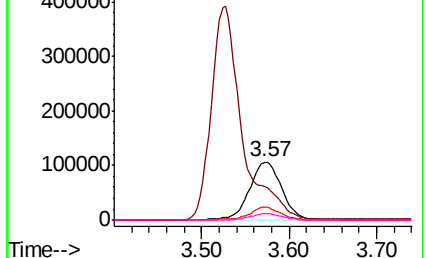
59 10.9 9.0 13.4

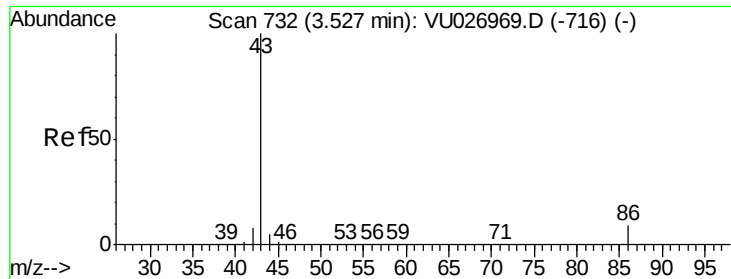
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 241.009 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 43 Resp: 954392

Ion Ratio Lower Upper

43 100

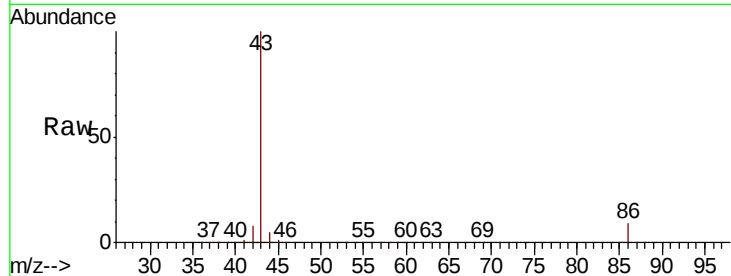
86 8.6 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-716) (-)

Ion 86.00 (85.70 to 86.70): VU026969.D (-716) (-)

3.53

400000

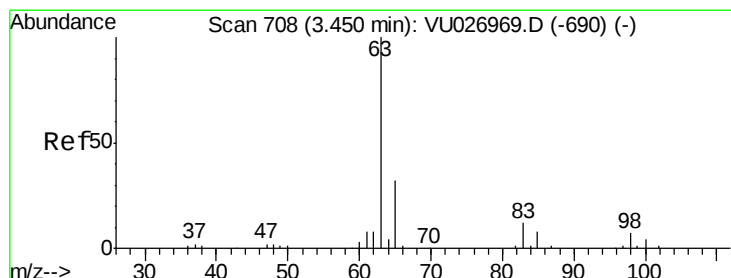
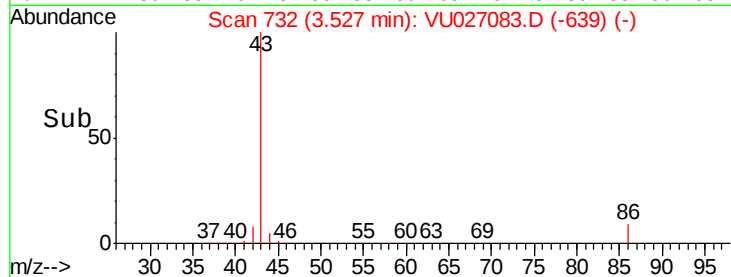
300000

200000

100000

0

Time--> 3.40 3.50 3.60



#24

1,1-Dichloroethane

Concen: 54.300 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

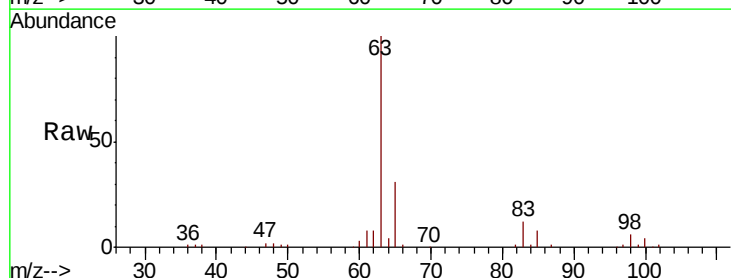
Tgt Ion: 63 Resp: 138931

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

3.45

80000

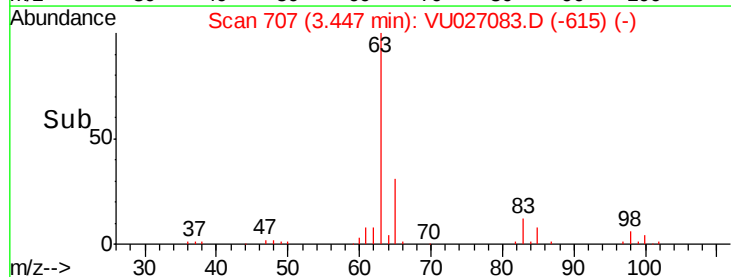
60000

40000

20000

0

Time--> 3.35 3.40 3.45 3.50 3.55





#25

2-Butanone

Concen: 274.975 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 43 Resp: 360604

Ion Ratio Lower Upper

43 100

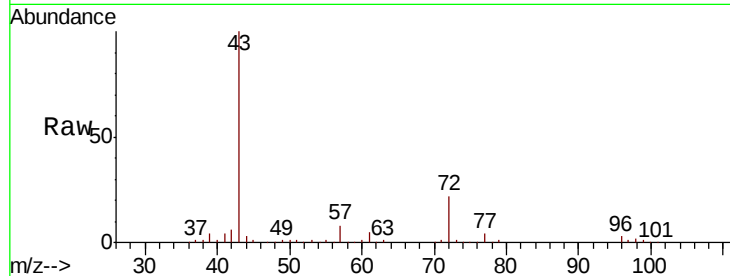
72 22.5 18.4 27.6

Manual Integrations

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9/24/2018 4:40:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

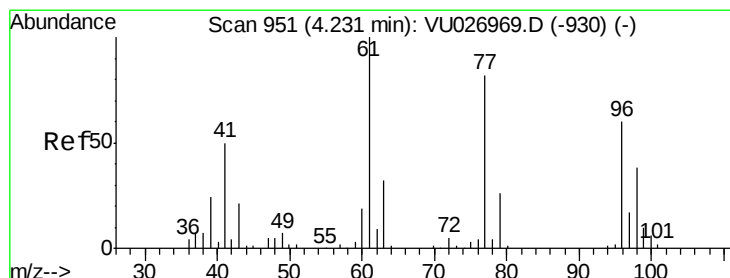
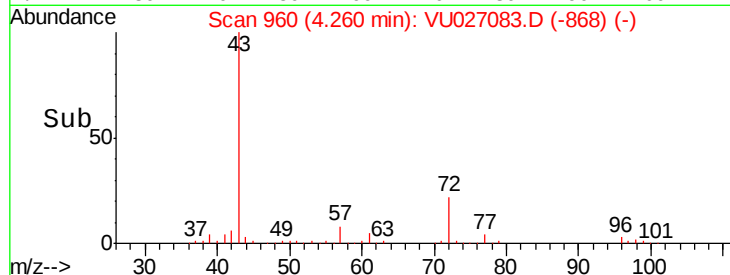
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 32.084 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027083.D

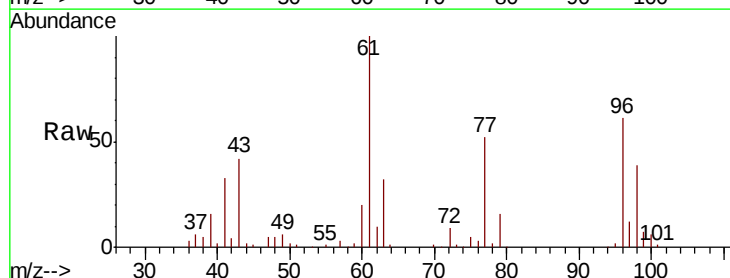
Acq: 23 Sep 2018 19:33

Tgt Ion: 77 Resp: 64021

Ion Ratio Lower Upper

77 100

97 21.7 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

25000

20000

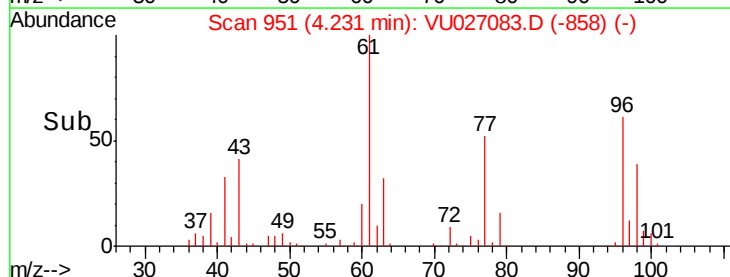
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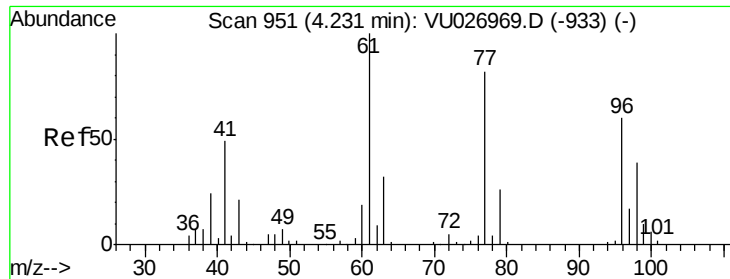
10000

5000

0

Time-->





#27

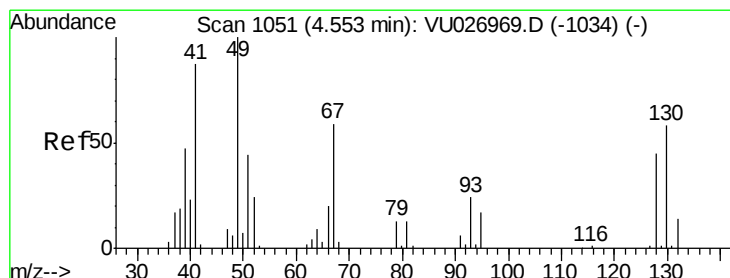
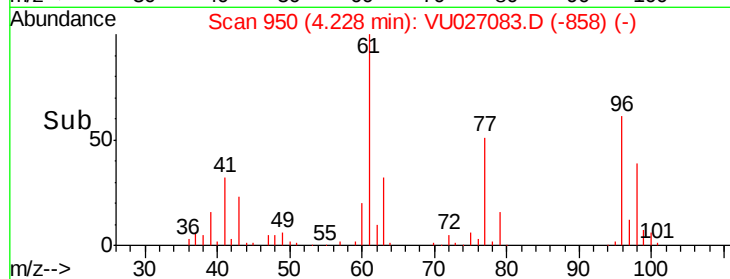
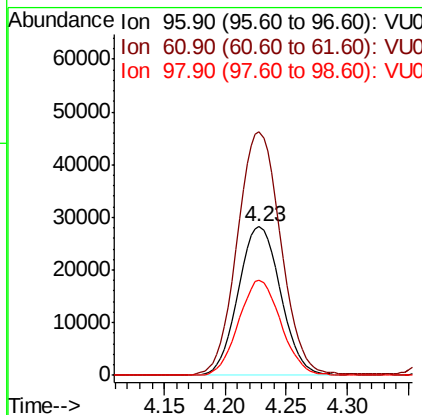
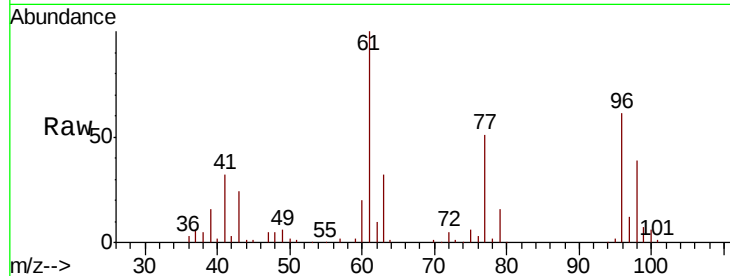
cis-1,2-Dichloroethene
Concen: 52.752 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.3	0.0	337.2
98	63.6	0.0	127.6

Manual Integrations
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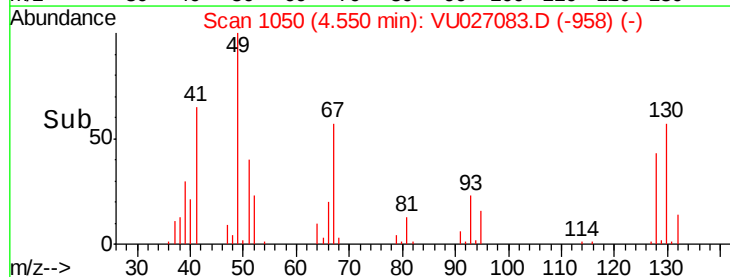
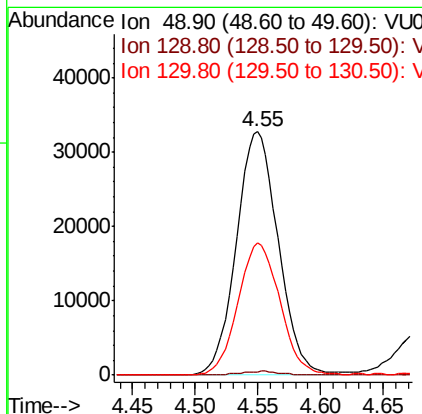
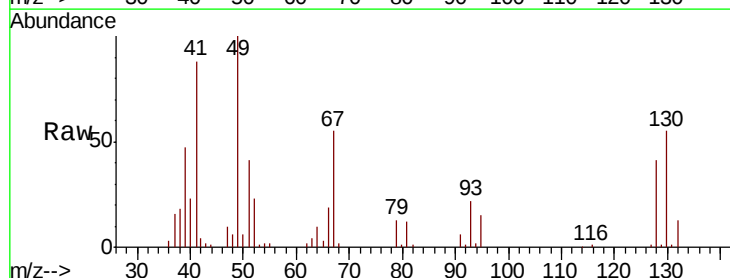
MMDadoda
9/24/2018 4:40:38 PM

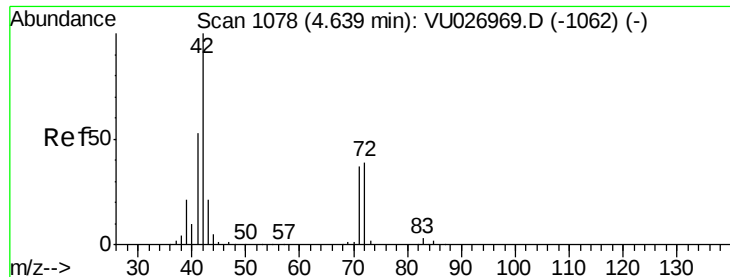


#28

Bromochloromethane
Concen: 61.675 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	54.4	47.8	71.8





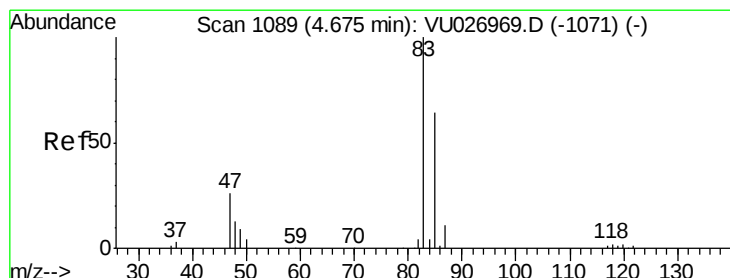
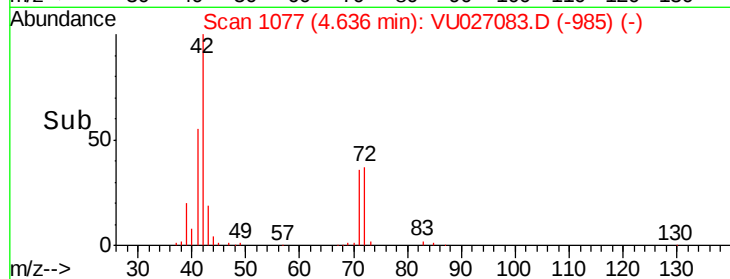
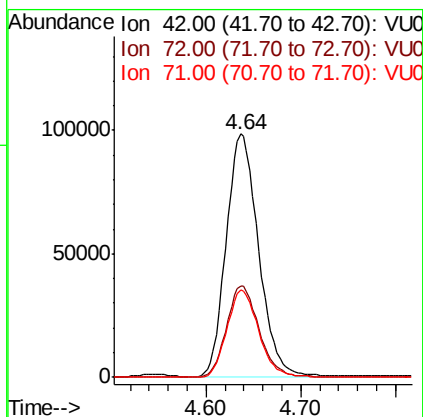
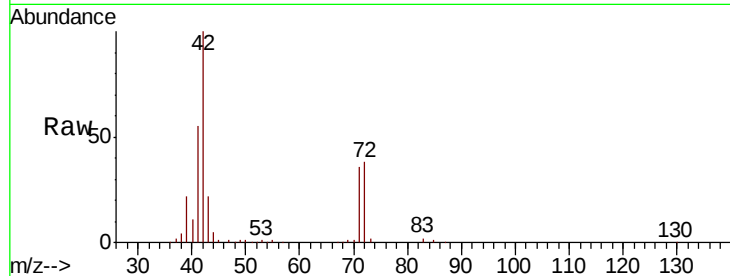
#29
Tetrahydrofuran
Concen: 295.343 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.7	47.5
71	35.3	29.6	44.4

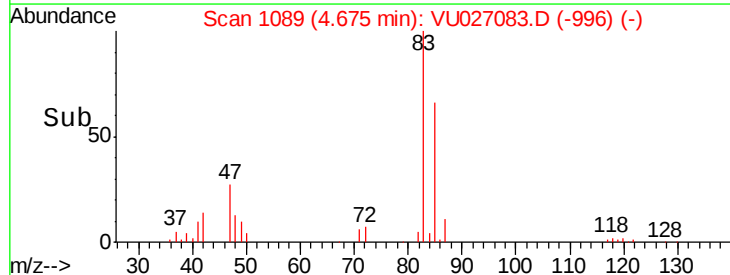
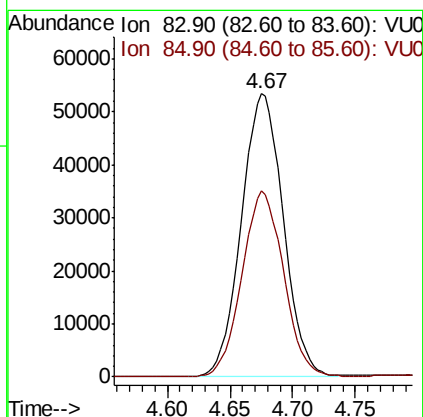
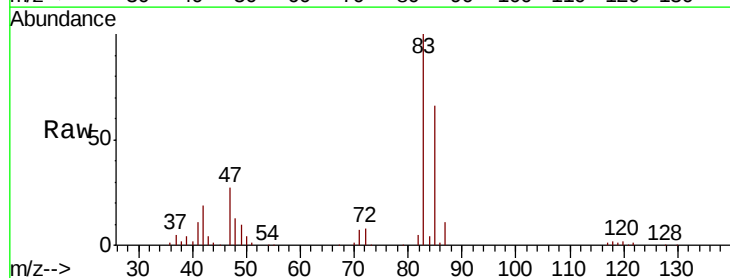
Manual Integrations
APPROVED

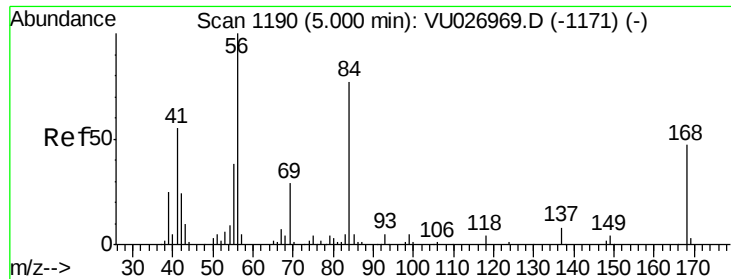
MMDadoda
9/24/2018 4:40:38 PM



#30
Chloroform
Concen: 52.148 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





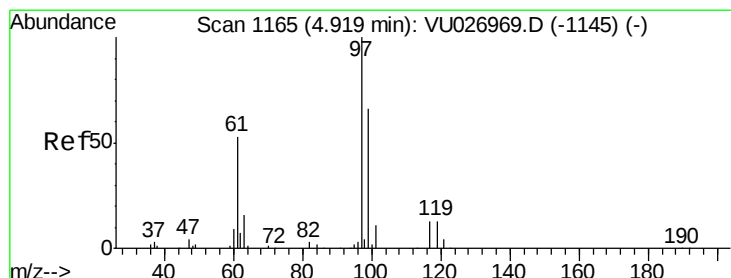
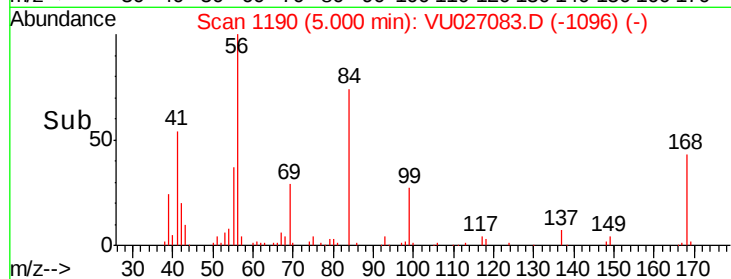
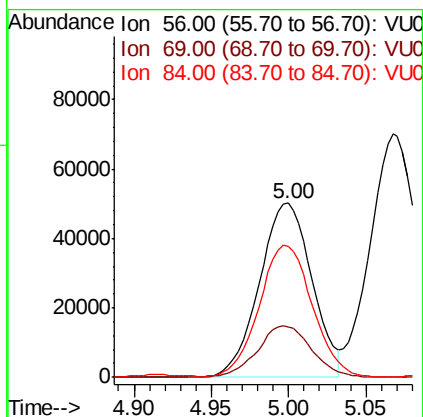
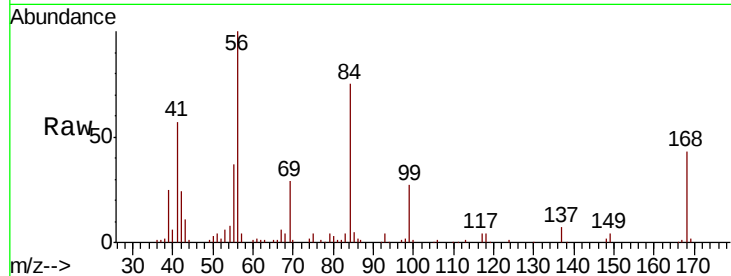
#31
Cyclohexane
Concen: 51.158 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.0	34.4
84	74.6	61.4	92.2

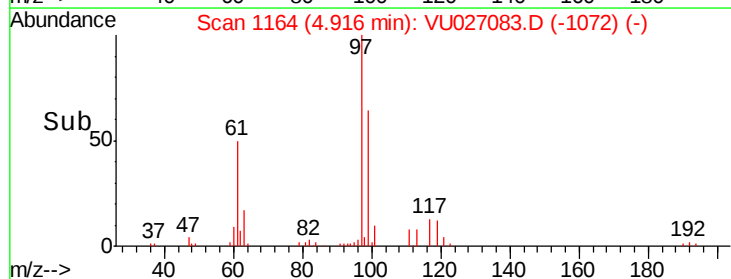
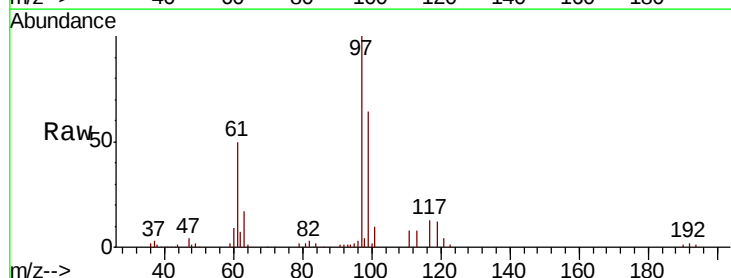
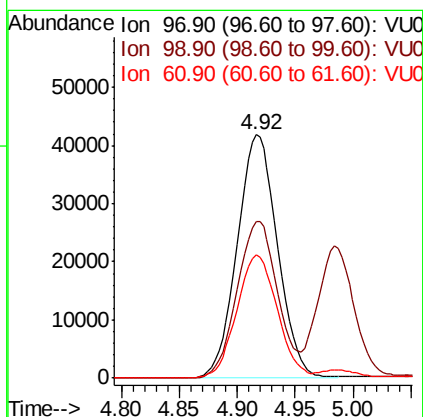
Manual Integrations
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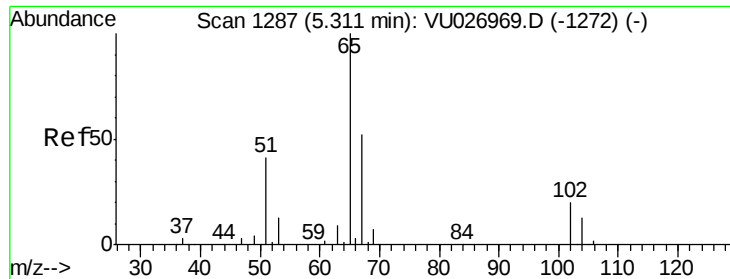
MMDadoda
9/24/2018 4:40:38 PM



#32
1,1,1-Trichloroethane
Concen: 53.428 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.8	77.6
61	50.8	41.1	61.7





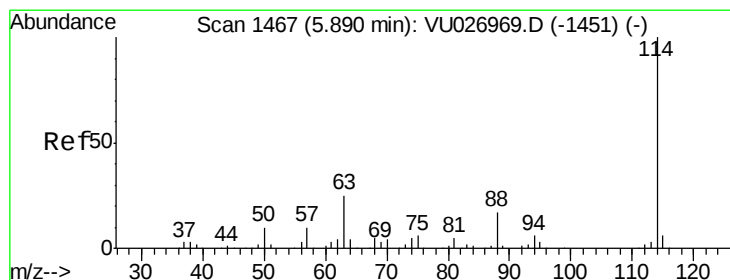
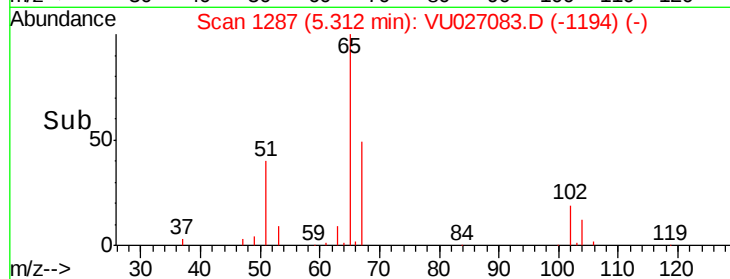
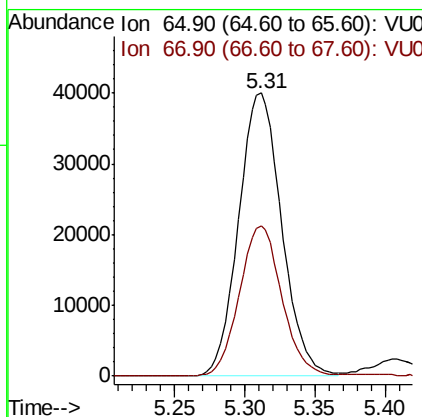
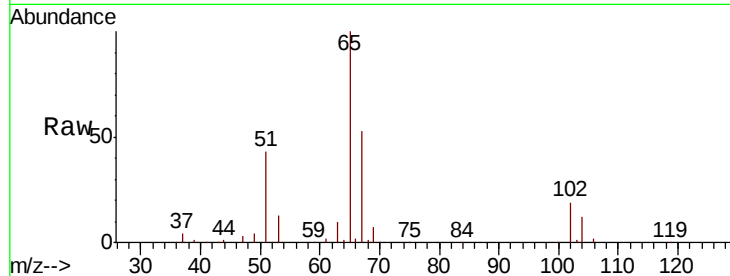
#33
 1,2-Dichloroethane-d4
 Concen: 54.728 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.6

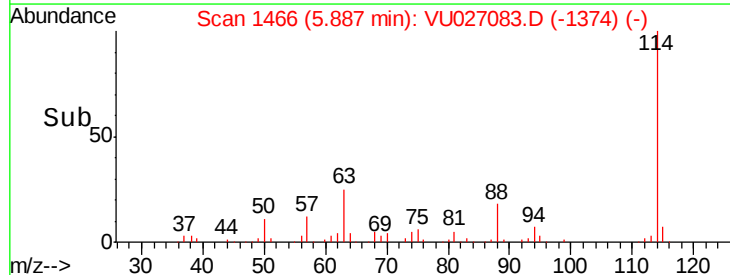
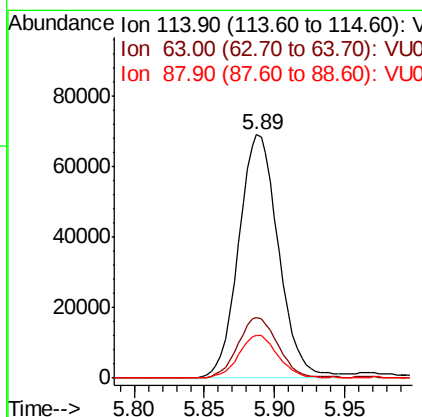
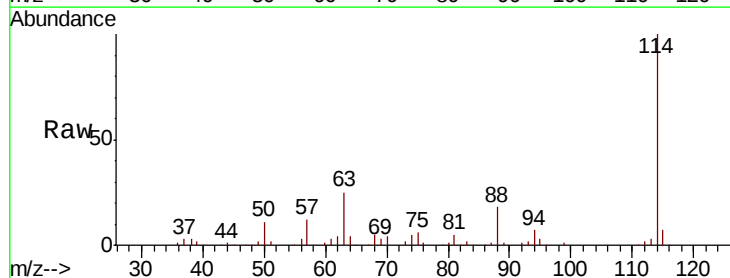
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	49.2
88	17.7	0.0	33.8





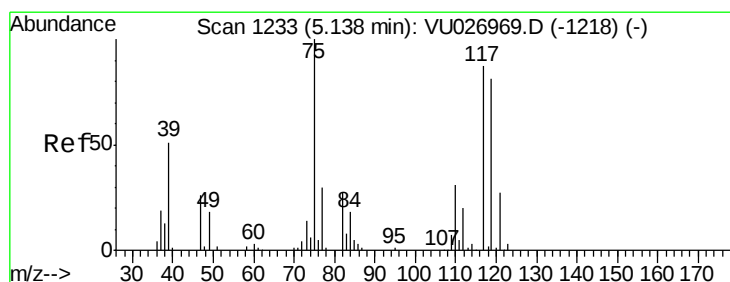
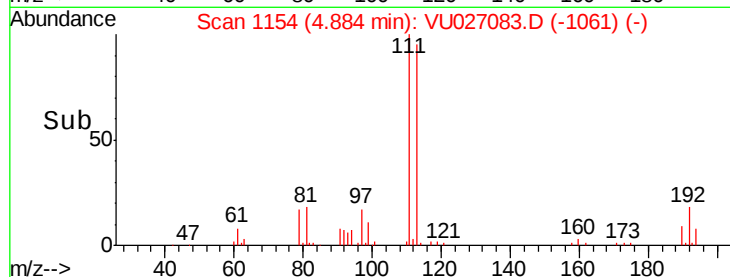
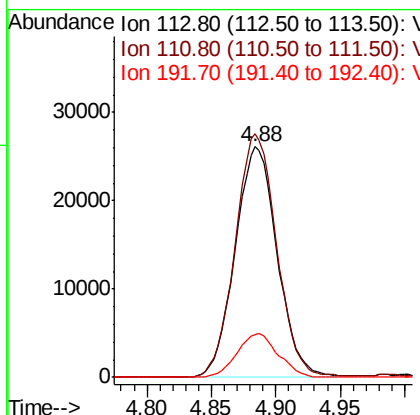
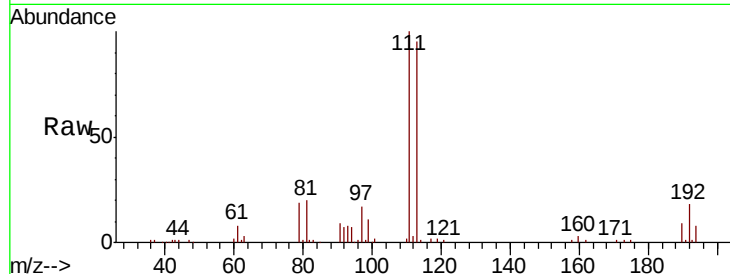
#35
 Dibromofluoromethane
 Concen: 50.134 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	59308		
111	104.5		82.2	123.4
192	18.5		15.2	22.8

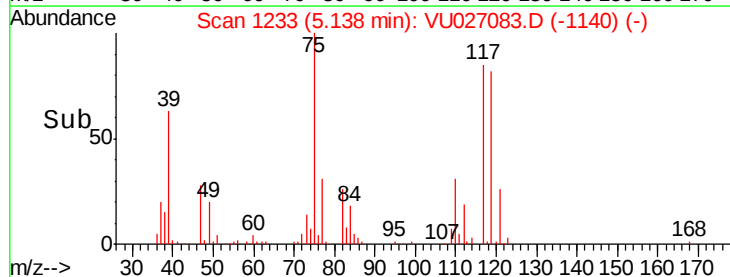
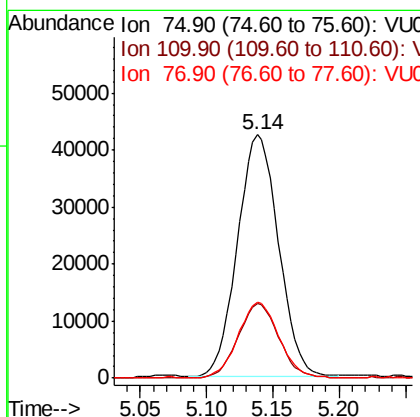
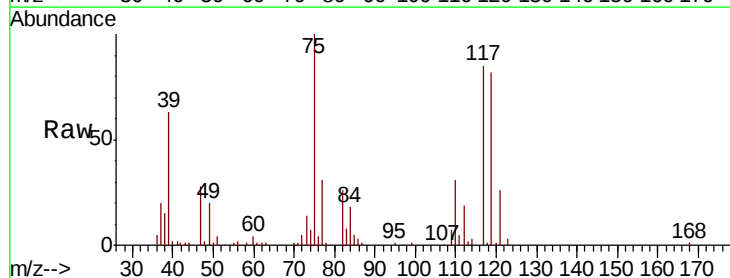
Manual Integrations
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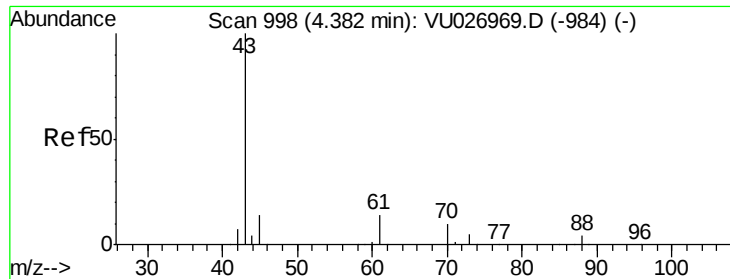
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 9/24/2018 4:40:38 PM



#36
 1,1-Dichloropropene
 Concen: 50.258 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91543		
110	30.5		16.1	48.2
77	31.4		24.6	36.8





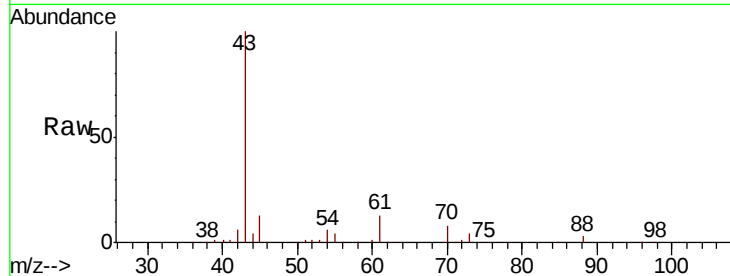
#37
Ethyl Acetate
Concen: 45.839 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	8.4	7.4	11.0

Manual Integrations
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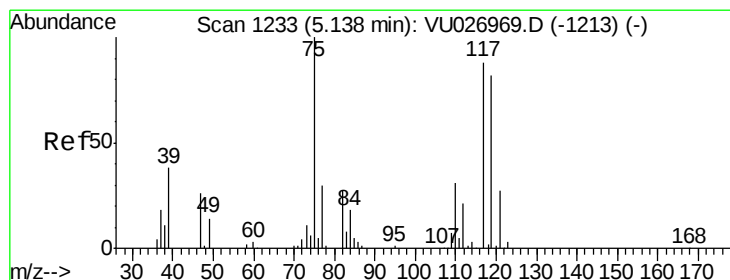
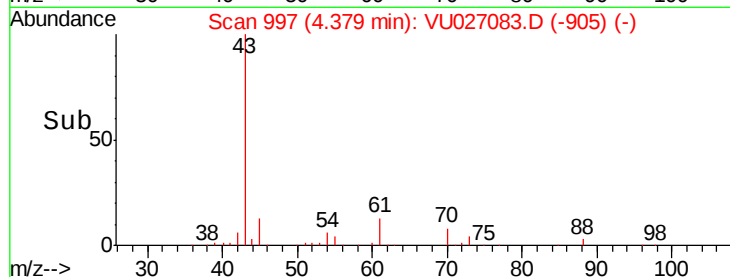
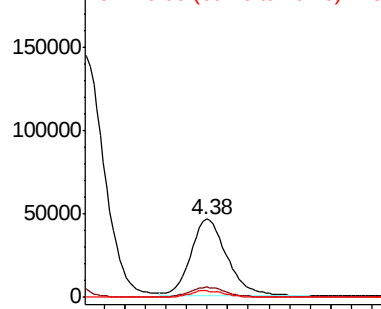


Abundance

Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

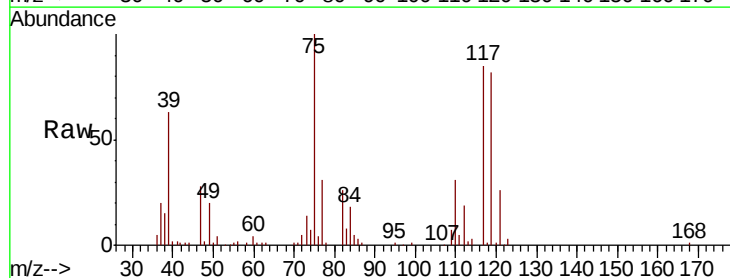
Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)



#38
Carbon Tetrachloride
Concen: 49.641 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	74.4	111.6
121	31.0	24.2	36.4

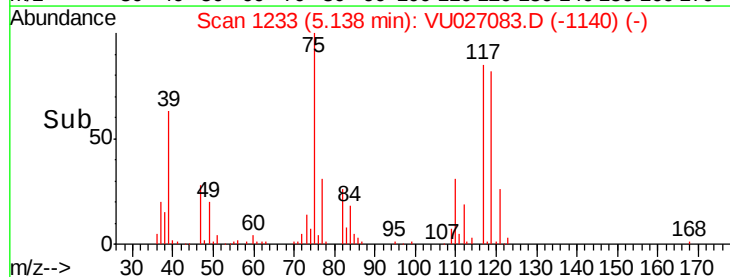
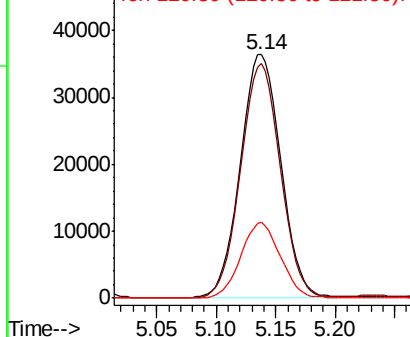


Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)





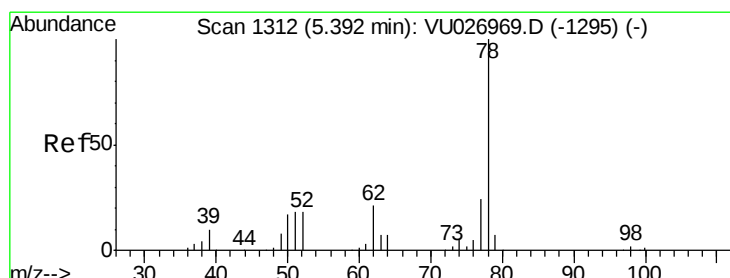
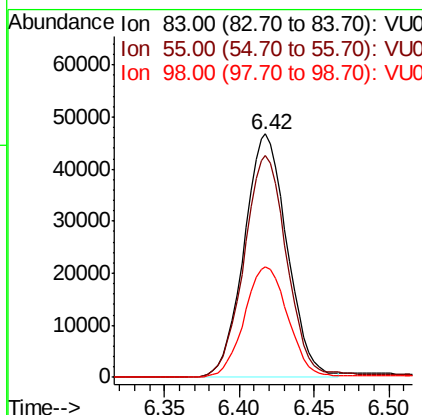
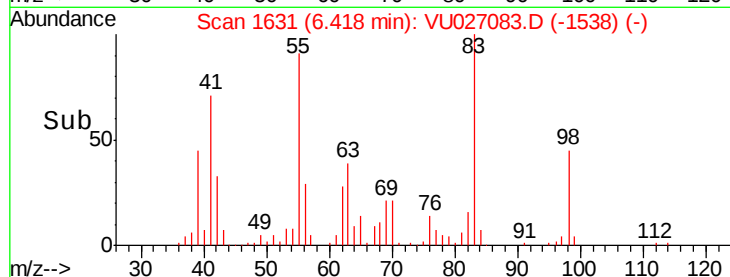
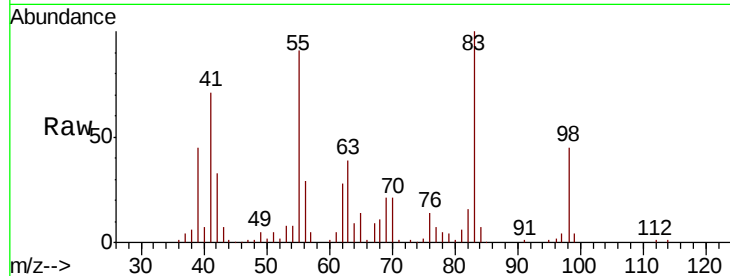
#39
Methvlcvclohexane
Concen: 47.193 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	83.00	Resp	93414
Ion Ratio	100	Lower	Upper
83	100		
55	91.2	69.9	104.9
98	45.2	37.5	56.3

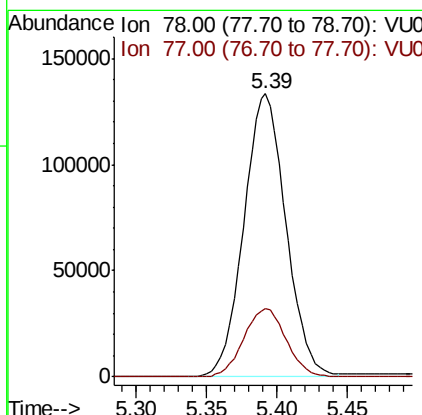
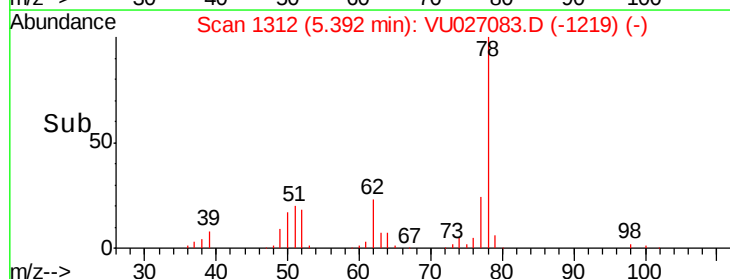
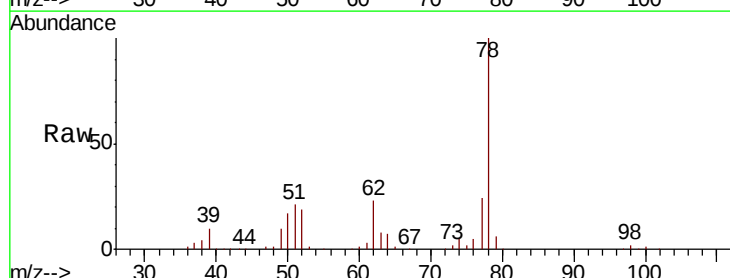
Manual Integrations
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#40
Benzene
Concen: 50.316 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	78.00	Resp	278607
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.4	29.0





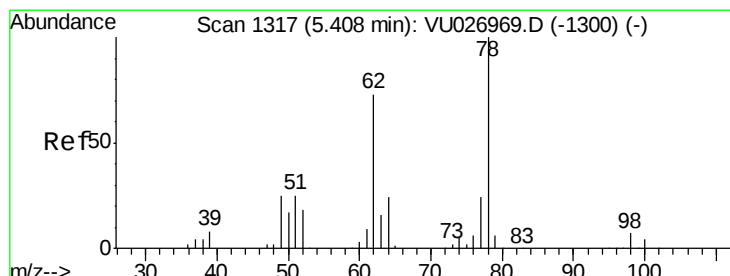
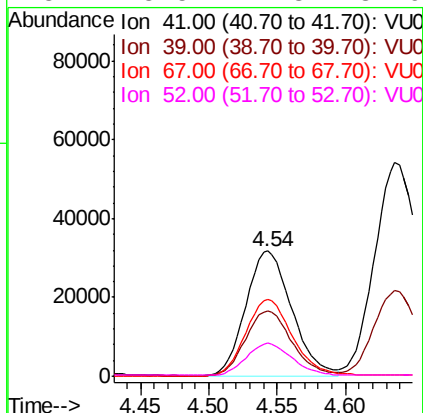
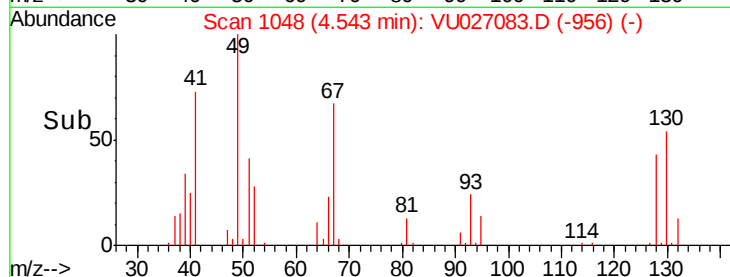
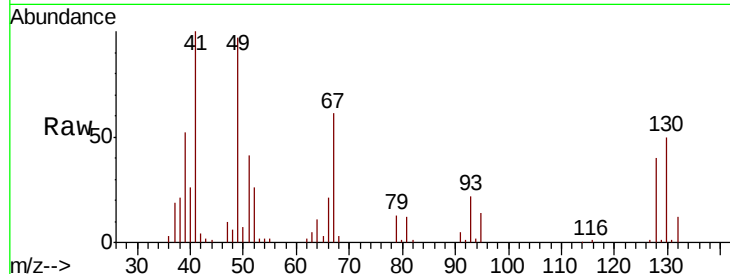
#41
Methacrylonitrile
Concen: 58.059 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.9	64.3	
67	63.5	52.4	78.6	
52	25.5	21.3	31.9	

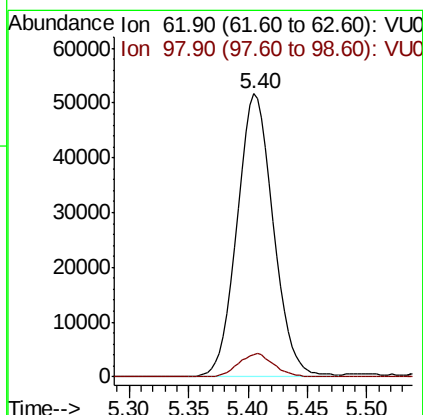
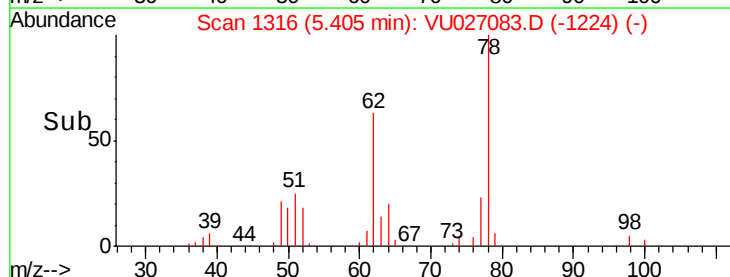
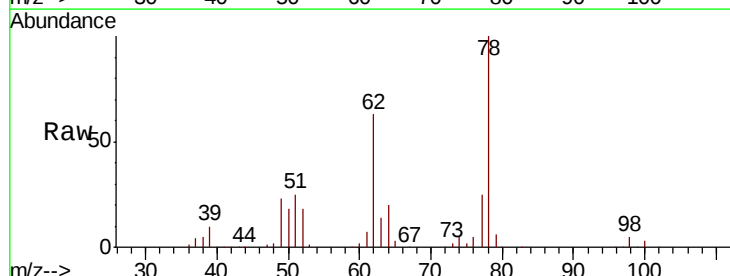
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 52.173 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.0	





#43

Isopropyl Acetate

Concen: 50.486 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

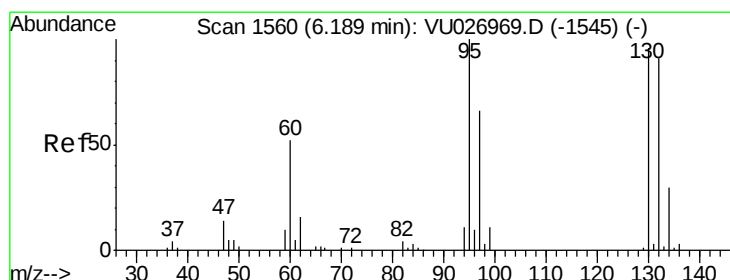
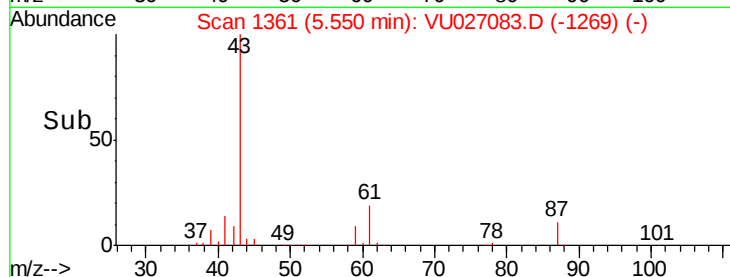
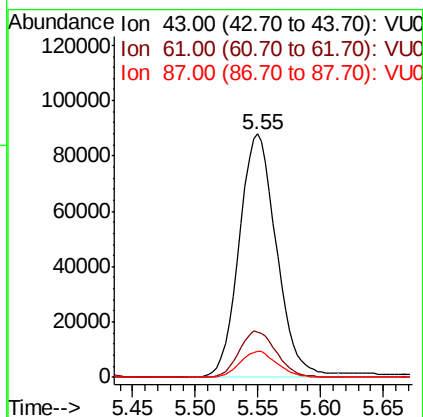
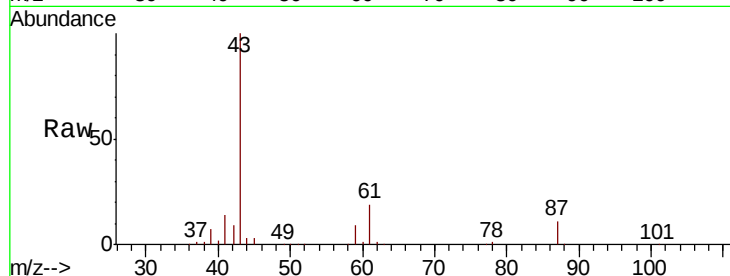
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	43	Resp:	181550
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.7	23.5
87	10.7	9.0	13.4

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#44

Trichloroethene

Concen: 49.847 ug/l

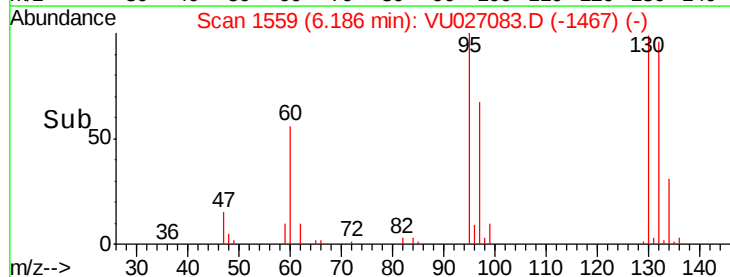
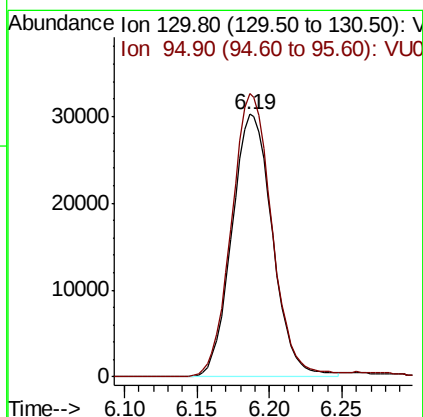
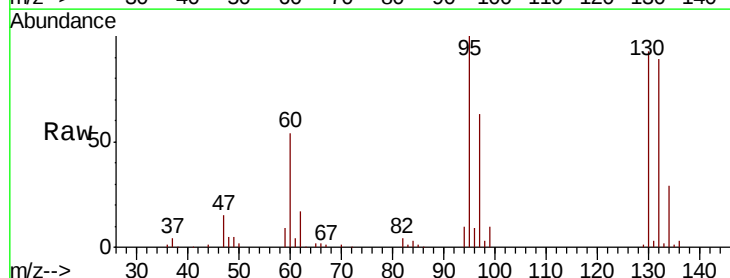
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	130	Resp:	58760
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	208.8





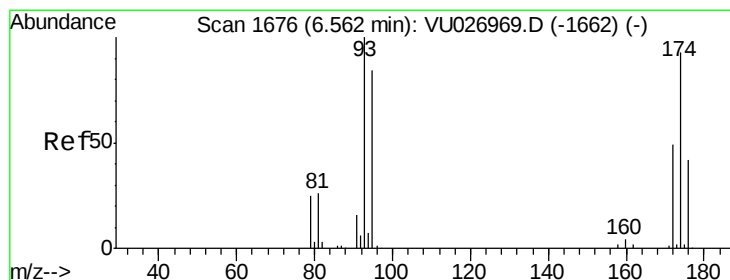
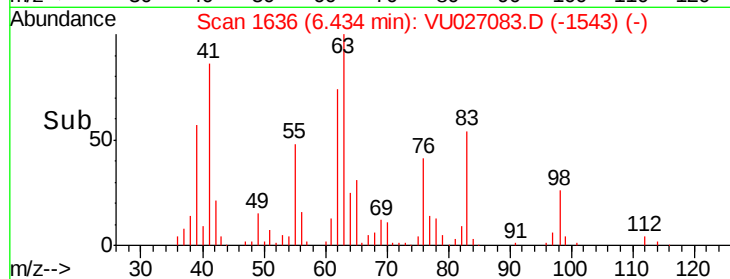
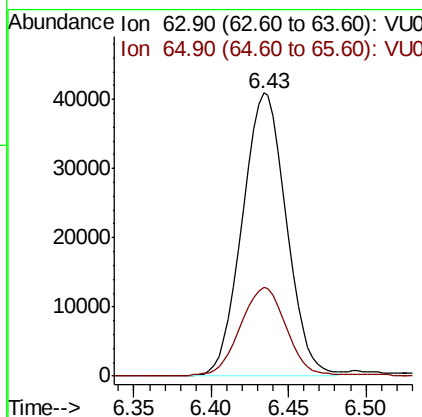
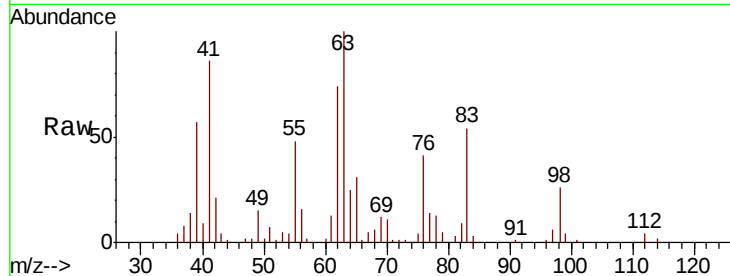
#45
 1,2-Dichloropropane
 Concen: 51.452 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion: 63 Resp: 81177
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.3 36.5

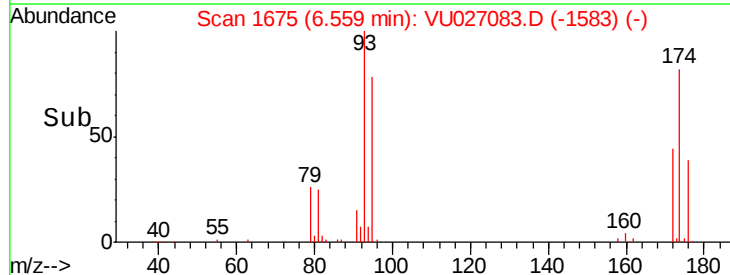
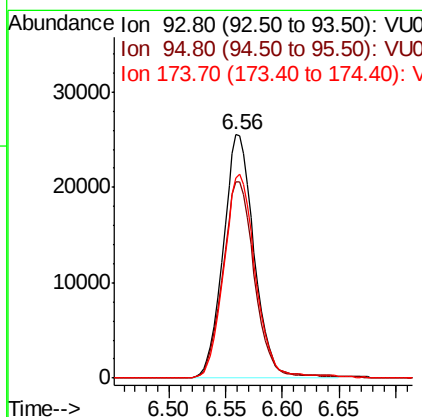
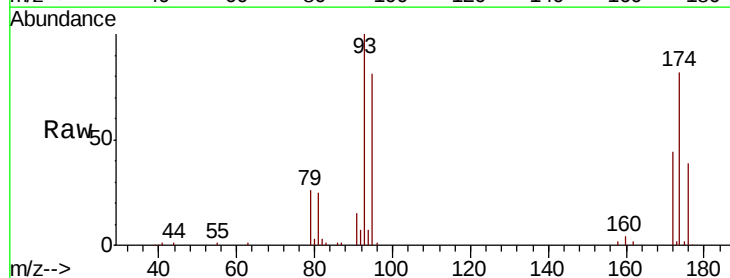
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#46
 Dibromomethane
 Concen: 51.116 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion: 93 Resp: 48707
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.4
 174 86.0 71.7 107.5





#47

Bromodichloromethane

Concen: 50.728 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

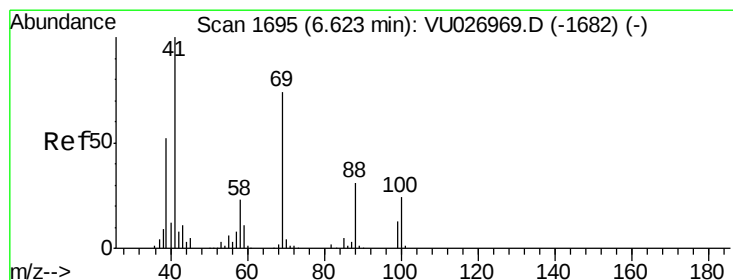
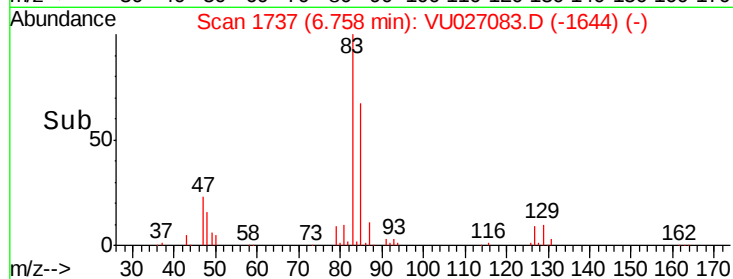
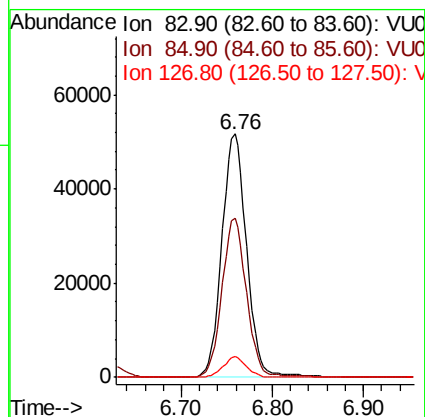
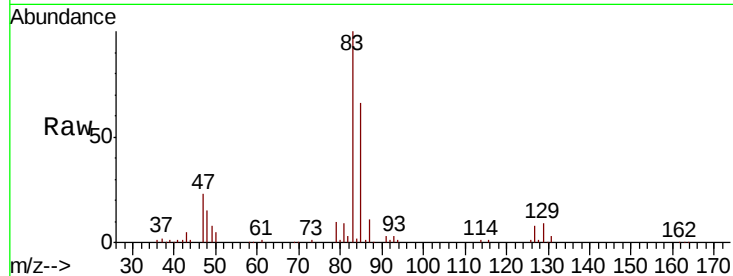
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	83	Resp:	97741
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.5	78.7
127	8.4	6.3	9.5

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#48

Methyl methacrylate

Concen: 53.273 ug/l

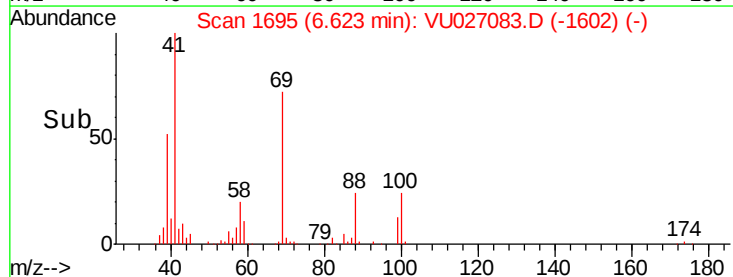
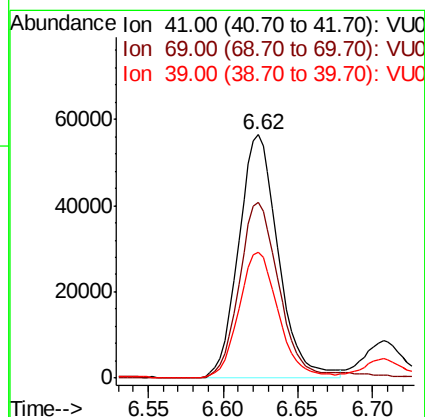
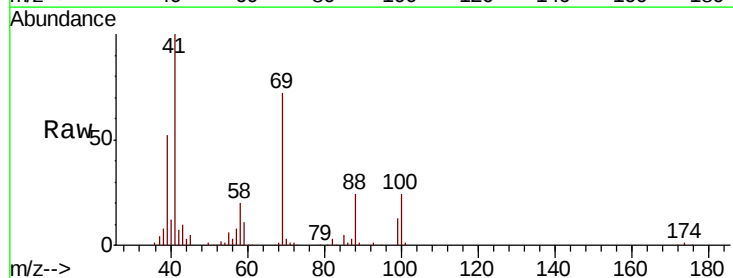
RT: 6.62 min Scan# 1695

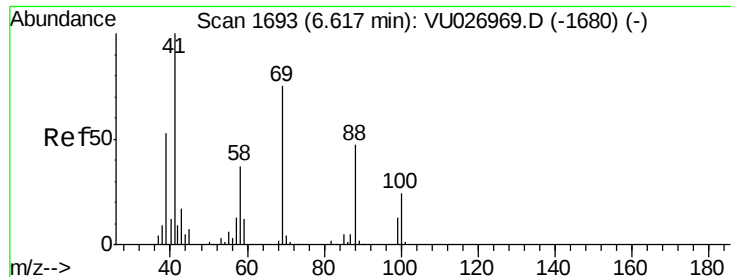
Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	41	Resp:	104401
Ion Ratio	Lower	Upper	
41	100		
69	74.6	60.6	90.8
39	51.5	42.8	64.2





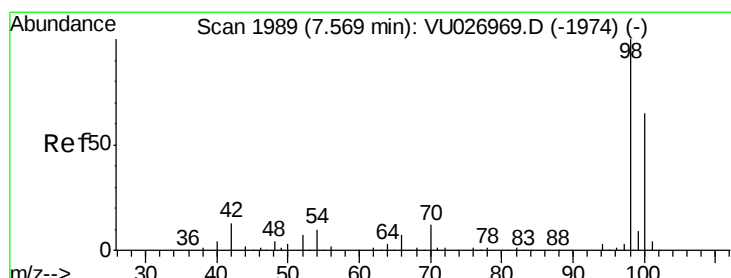
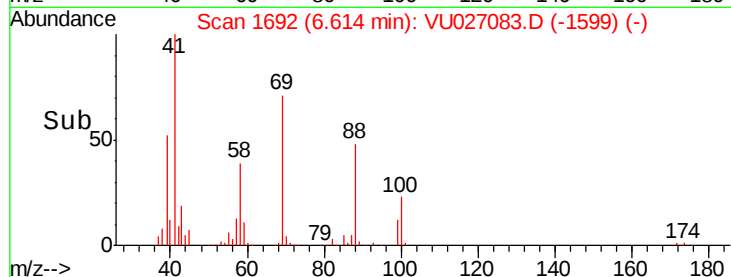
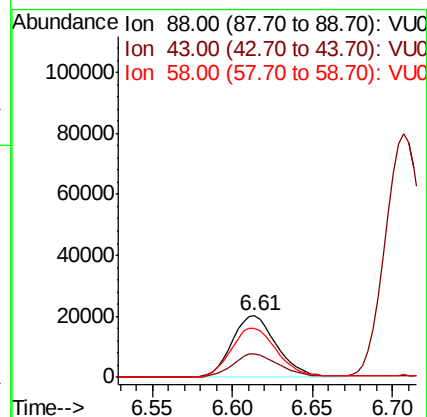
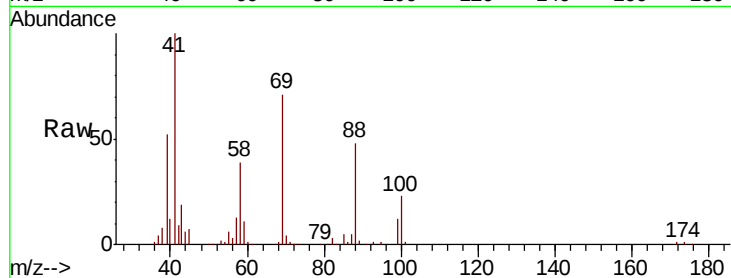
#49
1,4-Dioxane
Concen: 982.474 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.0	29.8	44.8	
58	84.9	63.9	95.9	

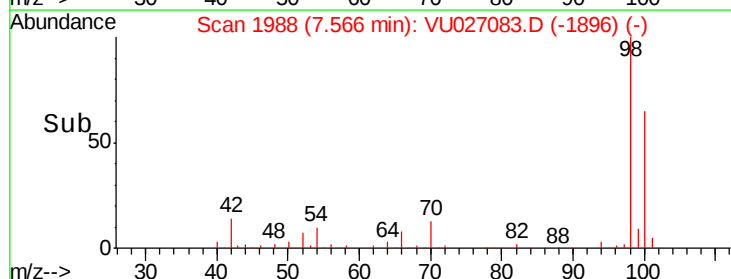
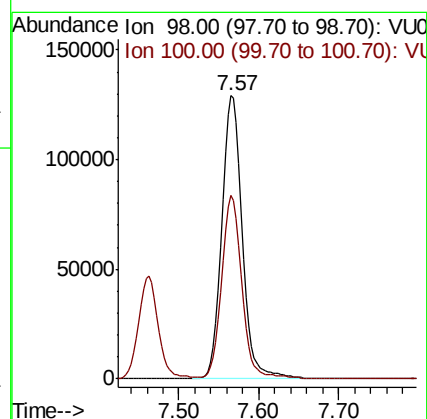
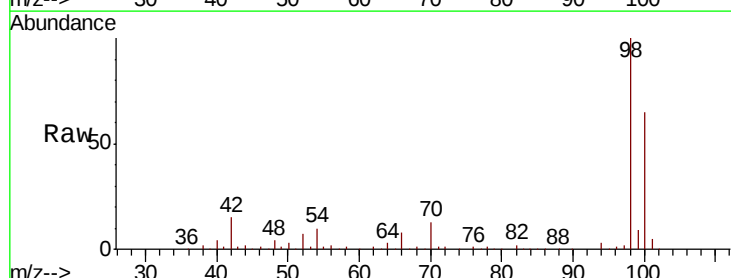
Manual Integrations
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#50
Toluene-d8
Concen: 51.081 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4	52.1	78.1	





#51

4-Methyl-2-Pentanone

Concen: 284.953 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 43 Resp: 689170

Ion Ratio Lower Upper

43 100

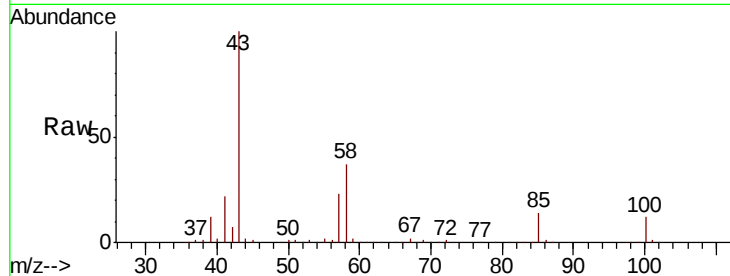
58 36.7 29.8 44.6

Manual Integrations

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

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

7.46

400000

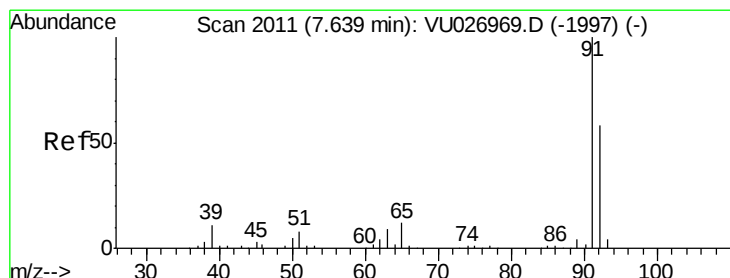
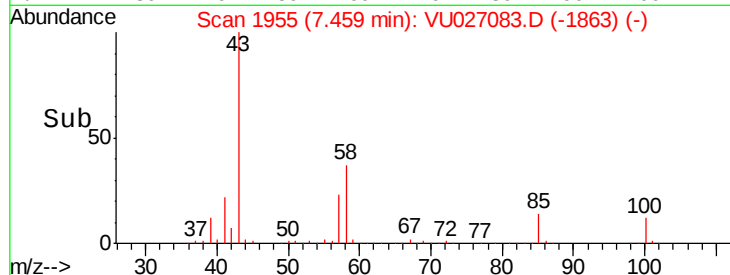
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.226 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027083.D

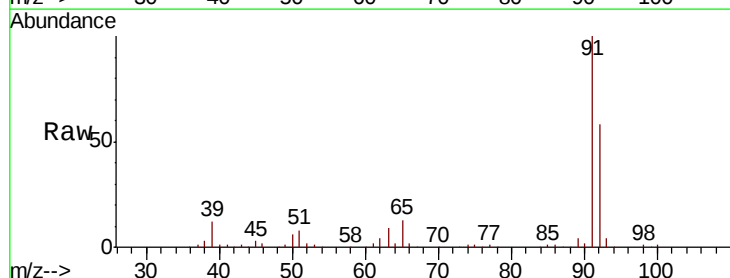
Acq: 23 Sep 2018 19:33

Tgt Ion: 92 Resp: 168936

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6



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

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

7.64

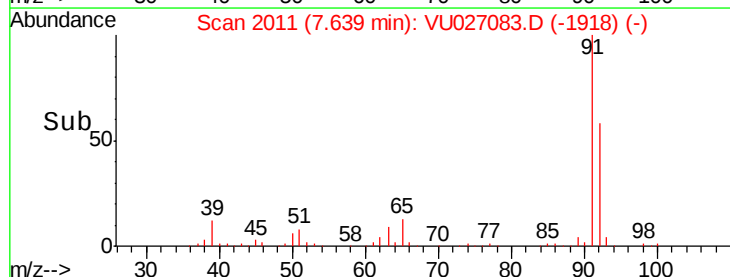
150000

100000

50000

0

Time-->





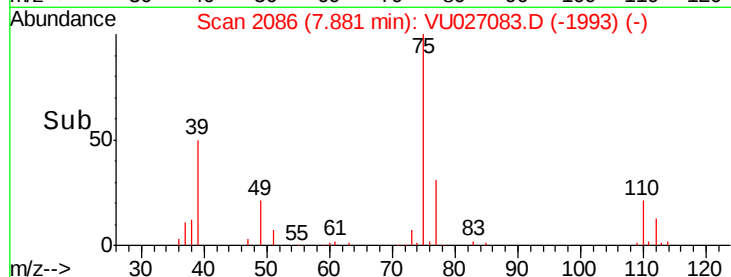
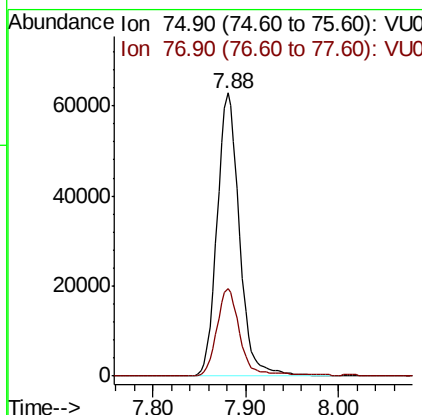
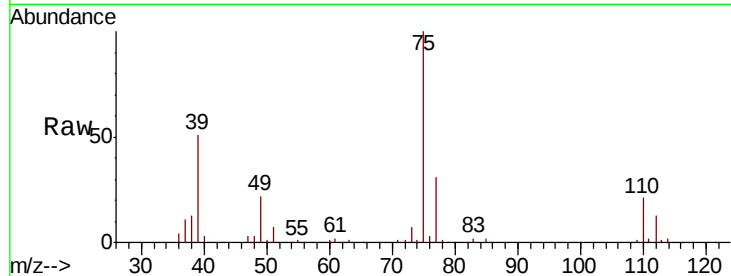
#53
t-1,3-Dichloropropene
Concen: 50.829 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion: 75 Resp: 105222
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9

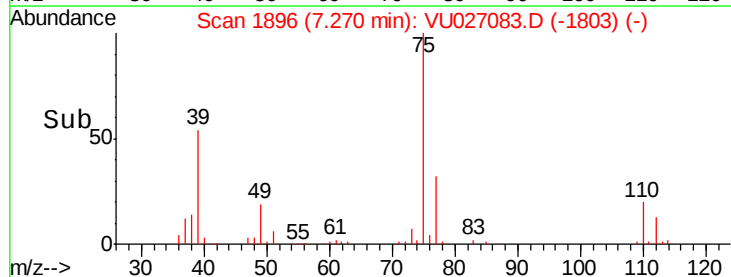
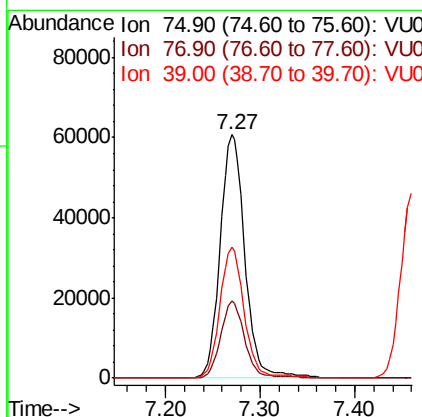
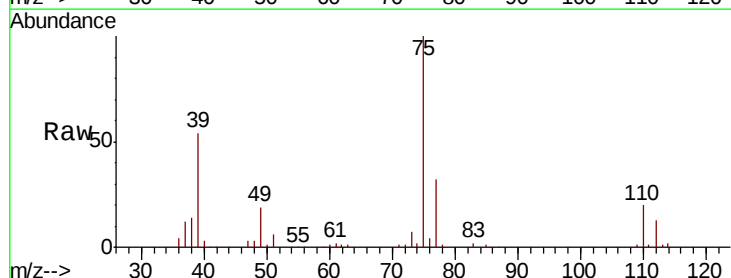
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#54
cis-1,3-Dichloropropene
Concen: 48.318 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion: 75 Resp: 109981
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 53.7 41.6 62.4





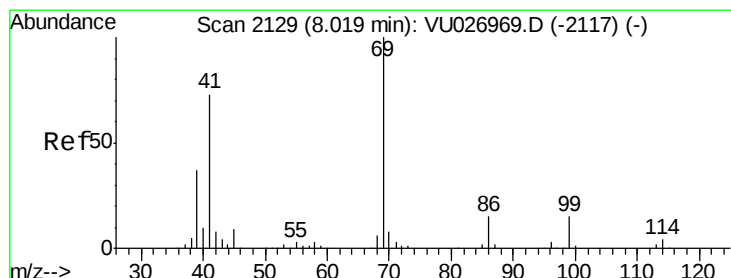
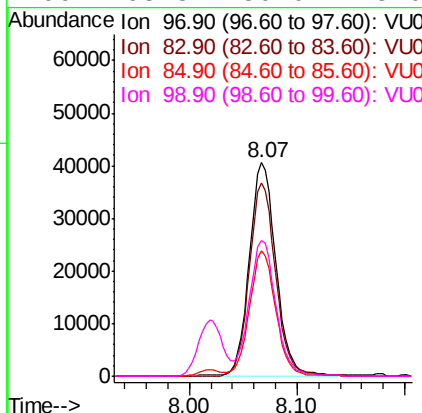
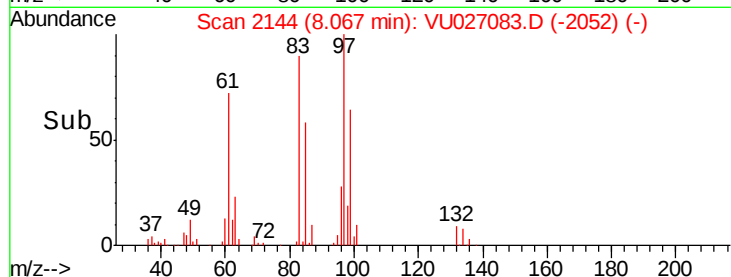
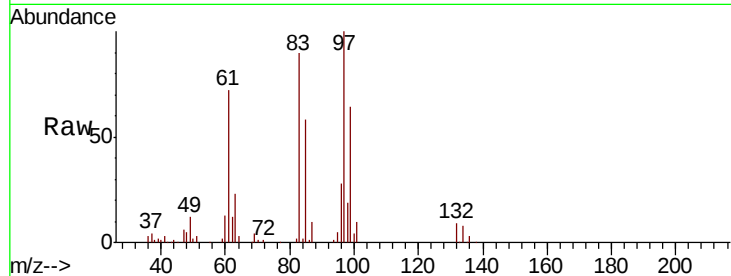
#55
 1,1,2-Trichloroethane
 Concen: 51.888 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion:	97	Resp:	69783
Ion	Ratio	Lower	Upper
97	100		
83	90.4	73.1	109.7
85	58.1	46.7	70.1
99	63.3	50.0	75.0

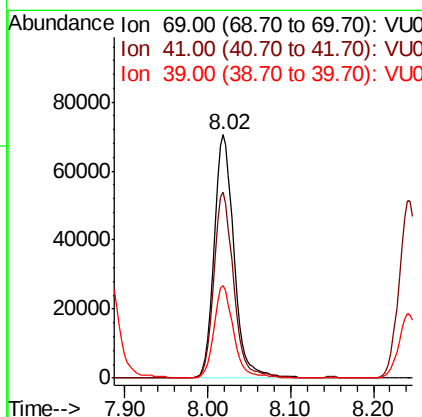
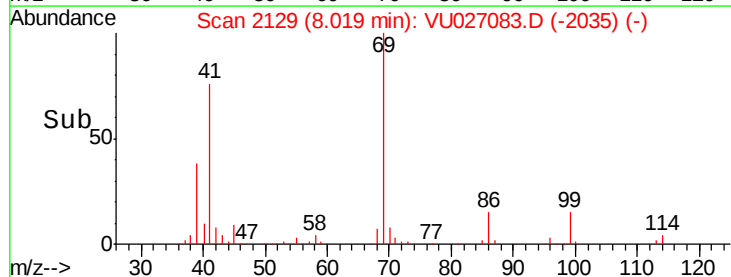
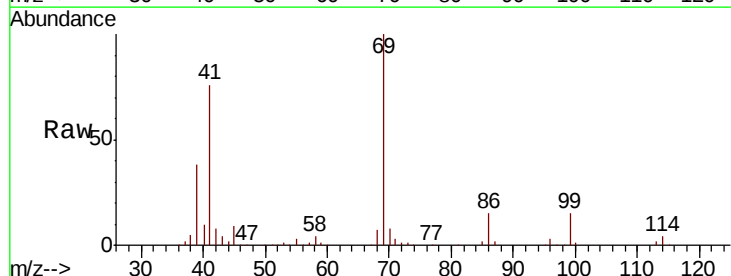
Manual Integrations
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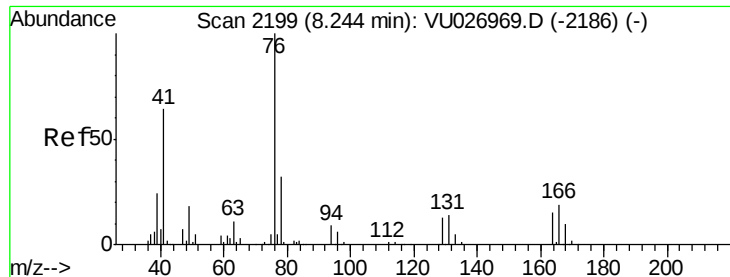
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#56
 Ethyl methacrylate
 Concen: 50.279 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion:	69	Resp:	117355
Ion	Ratio	Lower	Upper
69	100		
41	76.5	59.0	88.4
39	36.9	30.2	45.4





#57

1,3-Dichloropropane

Concen: 53.081 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 76 Resp: 132773

Ion Ratio Lower Upper

76 100

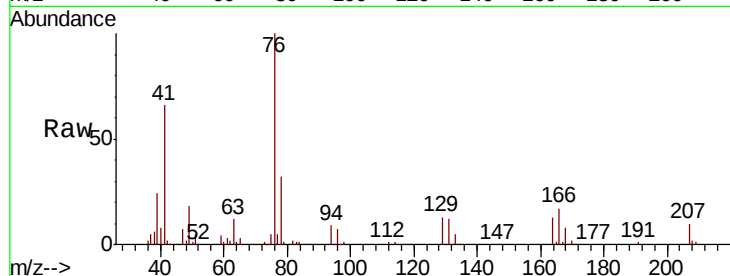
78 32.1 25.5 38.3

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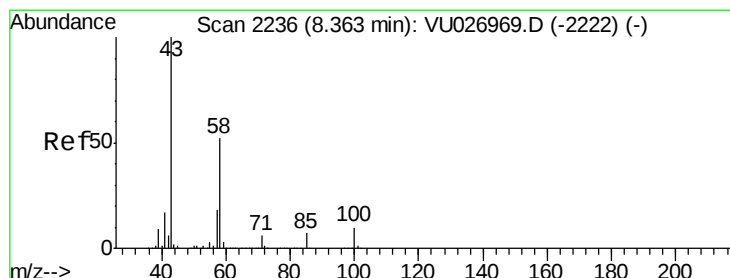
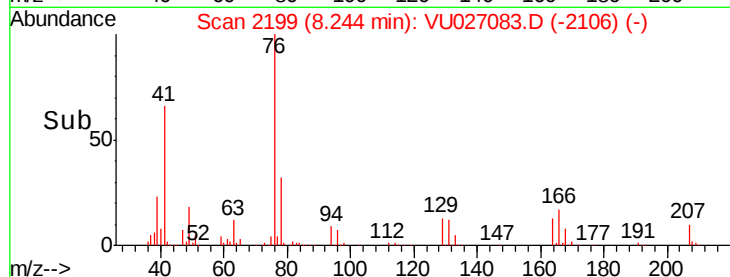
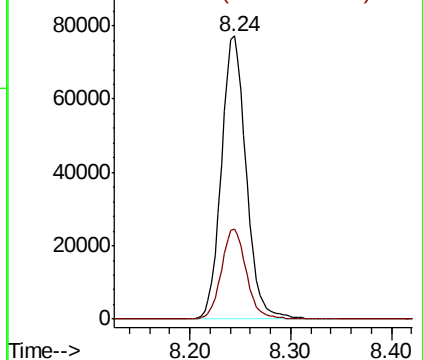
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#59

2-Hexanone

Concen: 279.968 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU027083.D

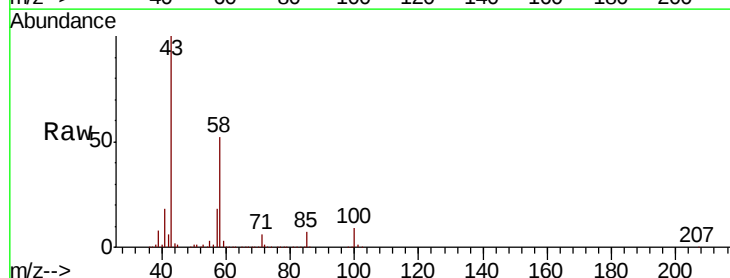
Acq: 23 Sep 2018 19:33

Tgt Ion: 43 Resp: 530031

Ion Ratio Lower Upper

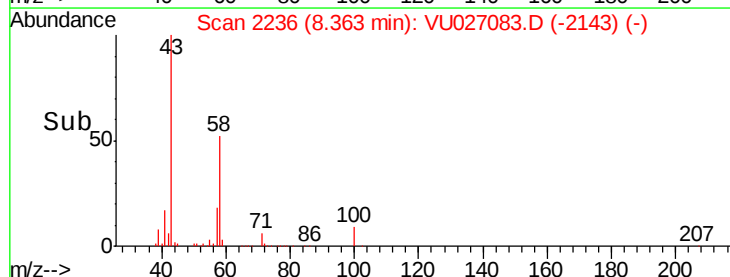
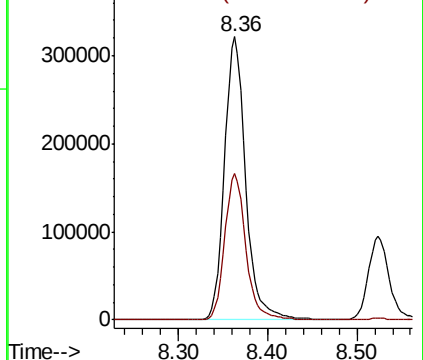
43 100

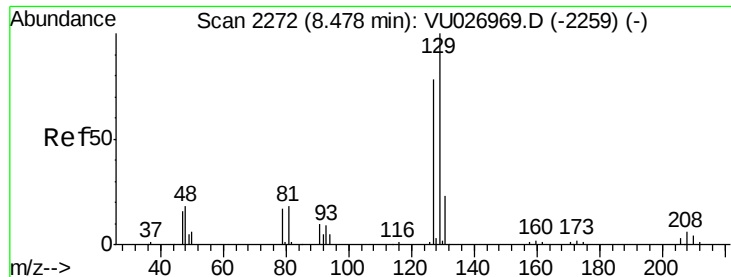
58 51.6 26.1 78.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 52.078 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:129 Resp: 68700

Ion Ratio Lower Upper

129 100

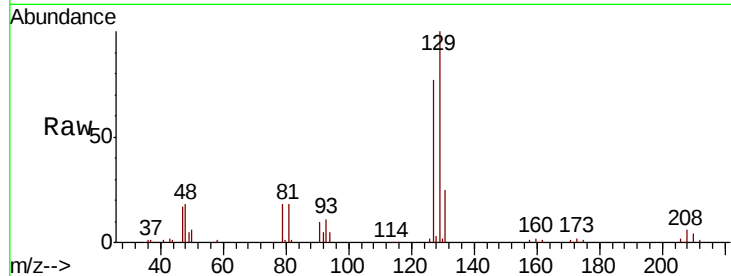
127 77.0 38.1 114.5

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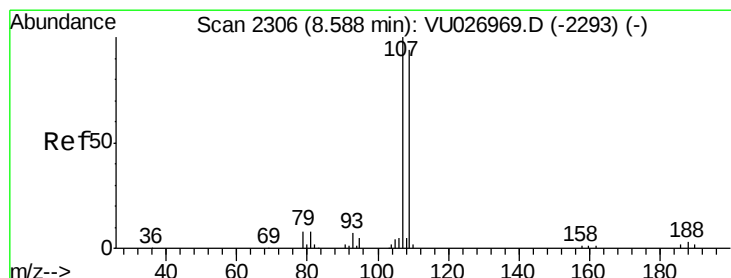
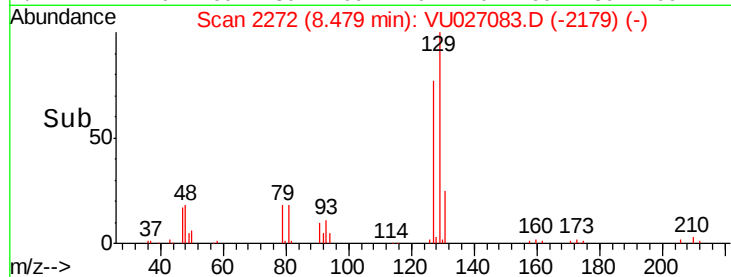
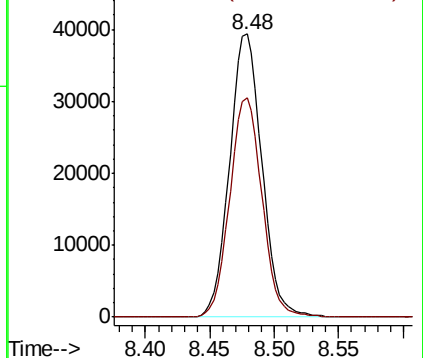
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.816 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027083.D

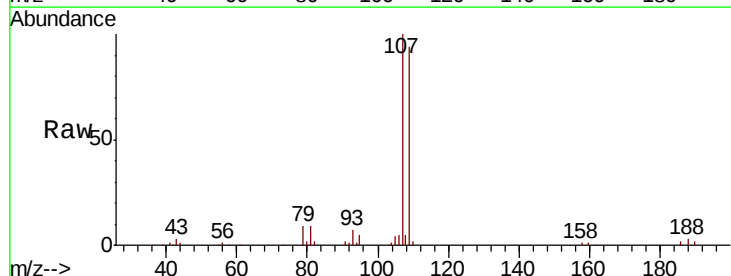
Acq: 23 Sep 2018 19:33

Tgt Ion:107 Resp: 71107

Ion Ratio Lower Upper

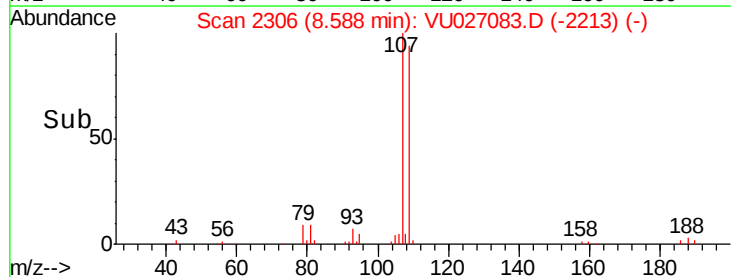
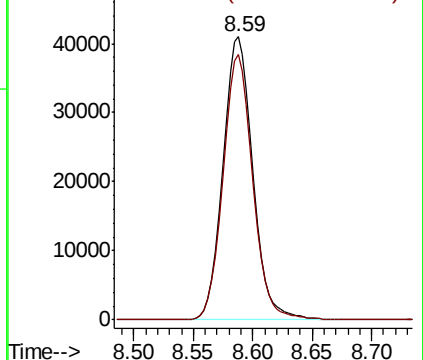
107 100

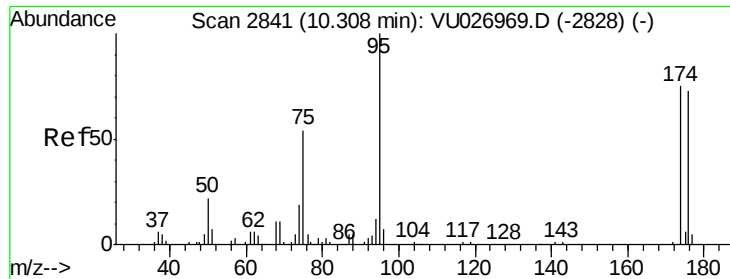
109 93.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





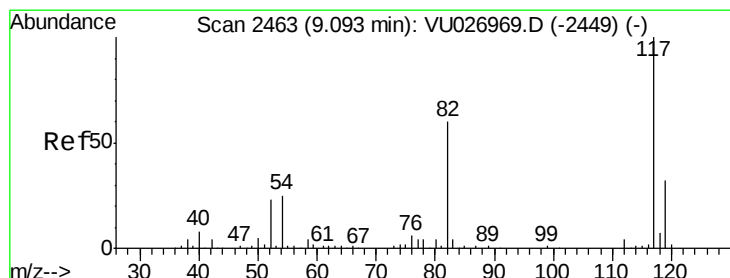
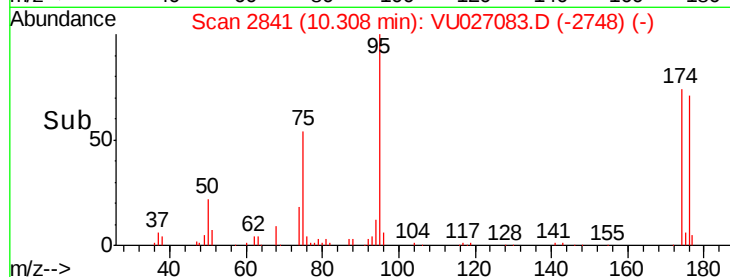
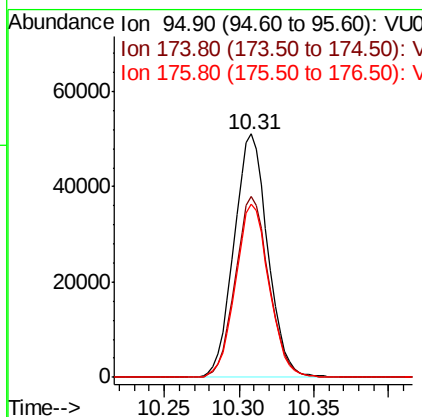
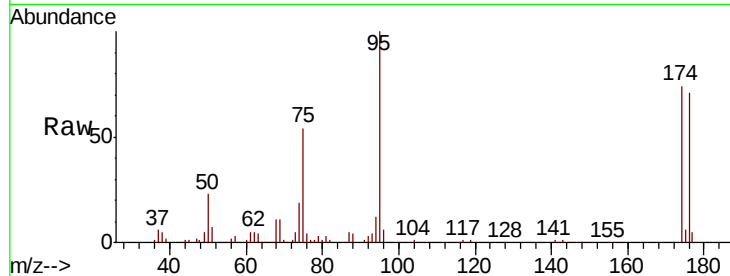
#62
 4-Bromofluorobenzene
 Concen: 51.845 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	80204		
174	74.1	0.0	150.2	
176	70.9	0.0	145.2	

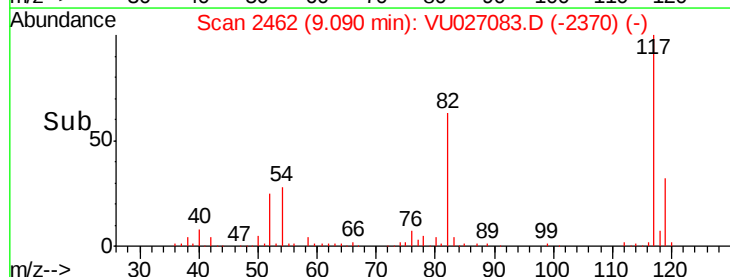
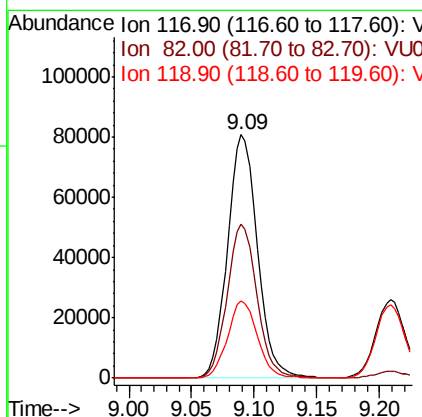
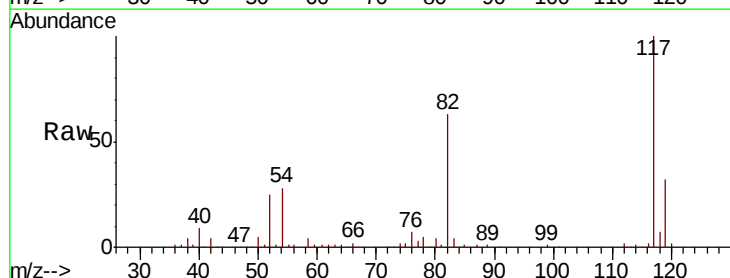
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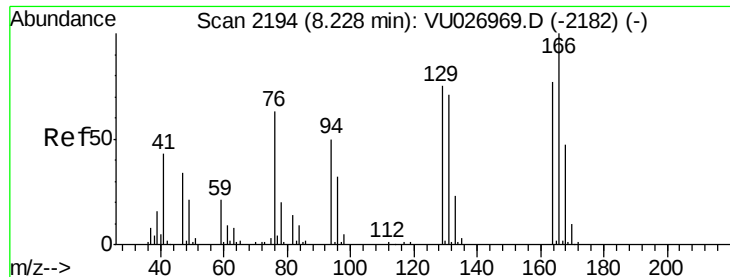
MMDadoda
 9/24/2018 4:40:38 PM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	134001		
82	63.4	48.0	72.0	
119	31.9	25.8	38.8	





#64

Tetrachloroethene

Concen: 45.319 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:164 Resp: 46795

Ion Ratio Lower Upper

164 100

166 128.1 104.4 156.6

129 97.8 78.7 118.1

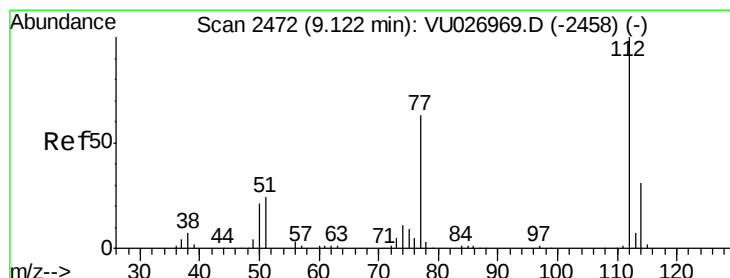
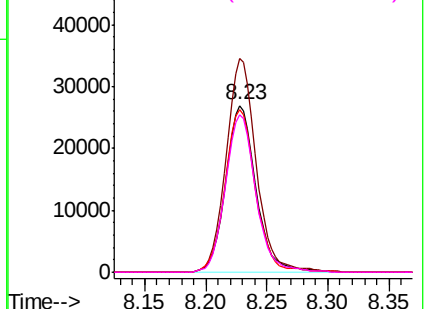
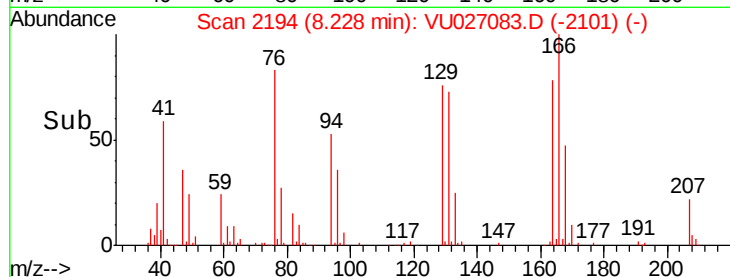
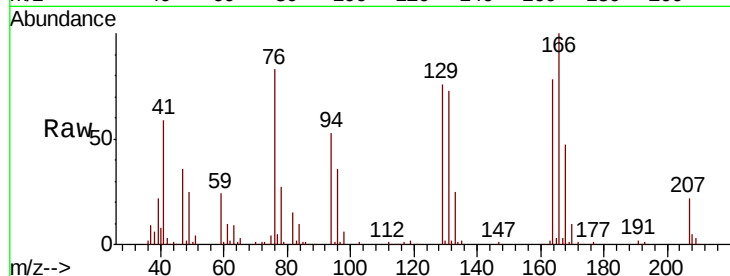
131 94.1 73.9 110.9

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#65

Chlorobenzene

Concen: 48.137 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027083.D

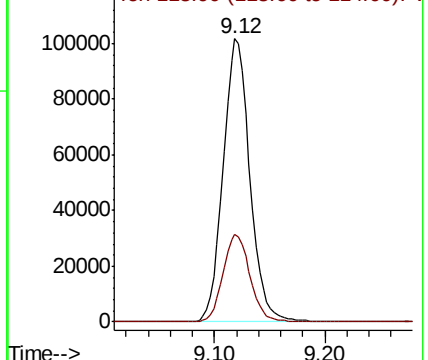
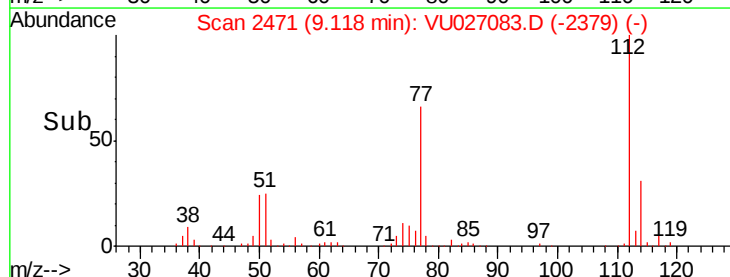
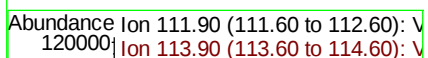
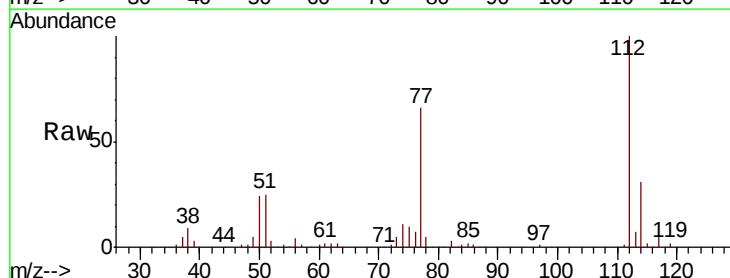
Acq: 23 Sep 2018 19:33

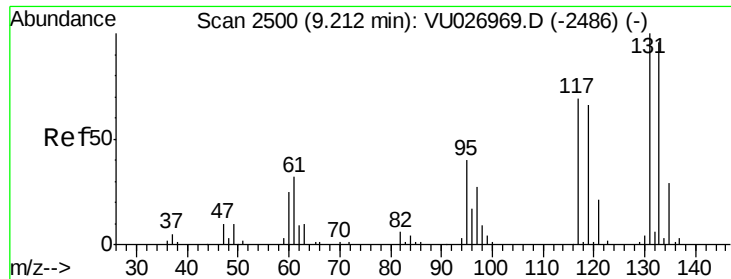
Tgt Ion:112 Resp: 171032

Ion Ratio Lower Upper

112 100

114 30.8 25.0 37.6





#66

1,1,1,2-Tetrachloroethane

Concen: 51.097 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

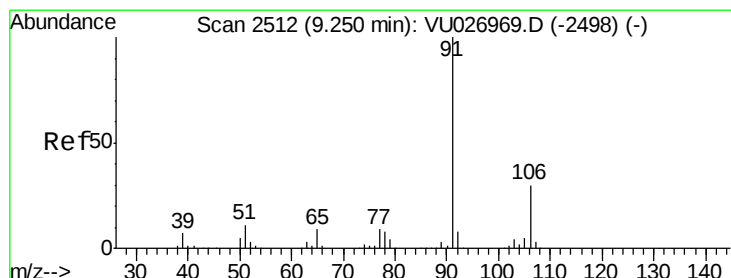
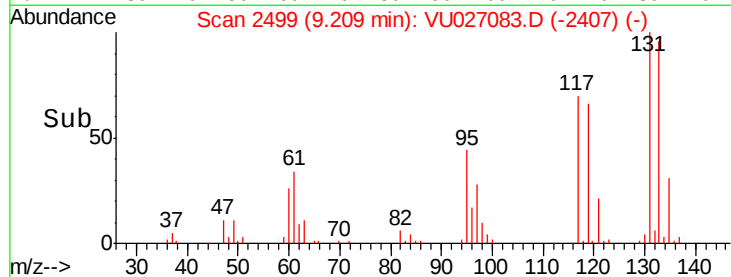
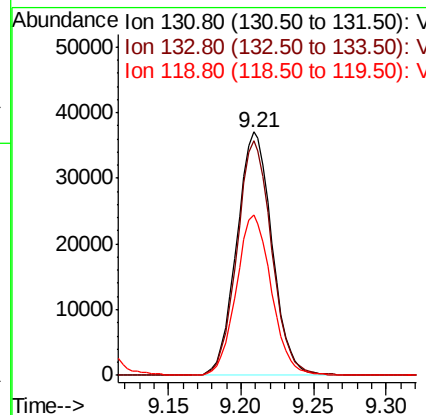
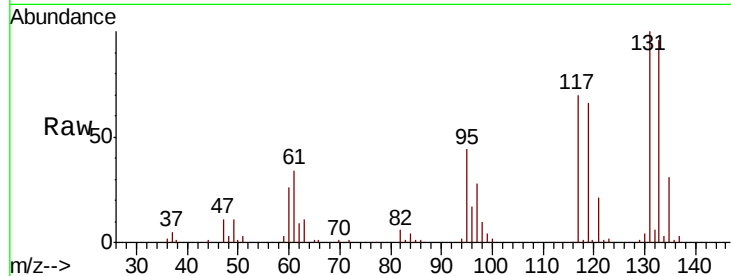
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	131	Resp:	62532
Ion Ratio	Lower	Upper	
131	100		
133	94.9	48.0	144.2
119	65.5	33.4	100.1

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#67

Ethyl Benzene

Concen: 52.990 ug/l

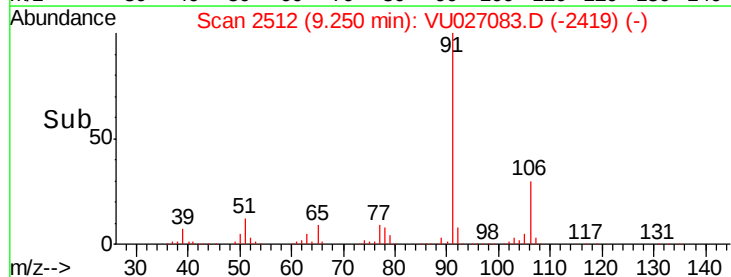
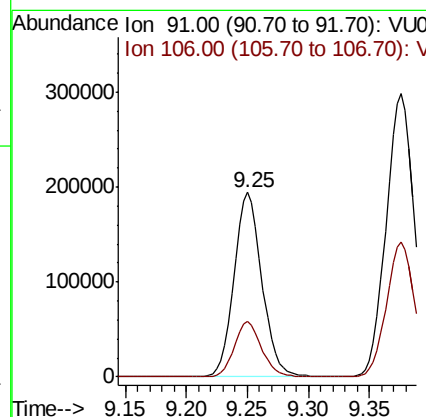
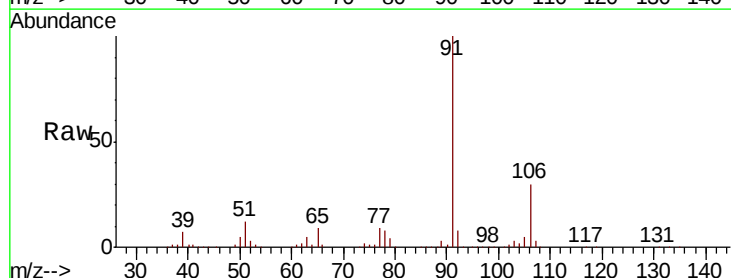
RT: 9.25 min Scan# 2512

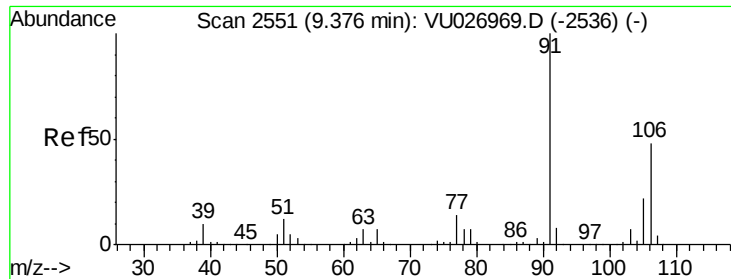
Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	91	Resp:	309600
Ion Ratio	Lower	Upper	
91	100		
106	30.0	23.8	35.8





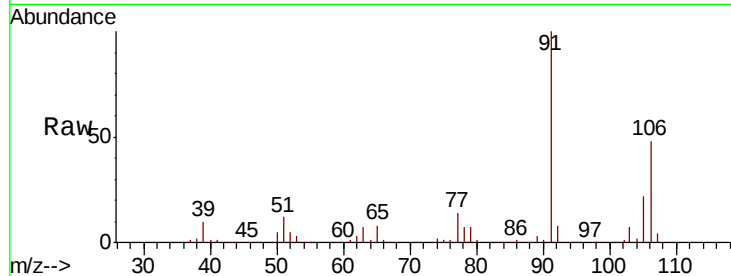
#68
m/p-Xylenes
Concen: 97.639 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

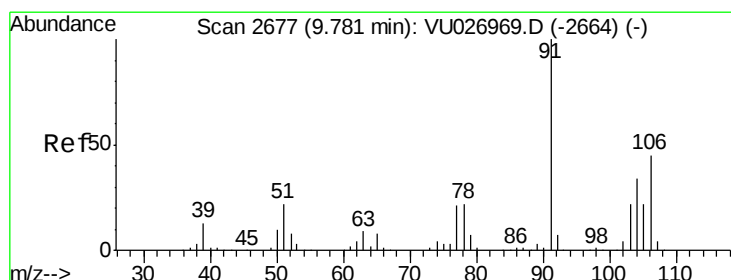
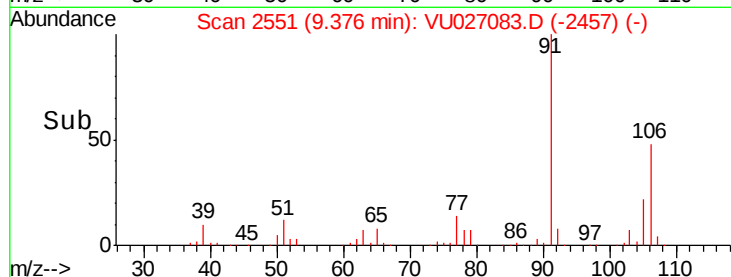
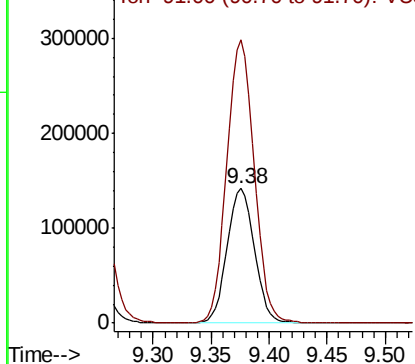
Tot Ion:106 Resp: 230944
Ion Ratio Lower Upper
106 100
91 210.5 166.5 249.7

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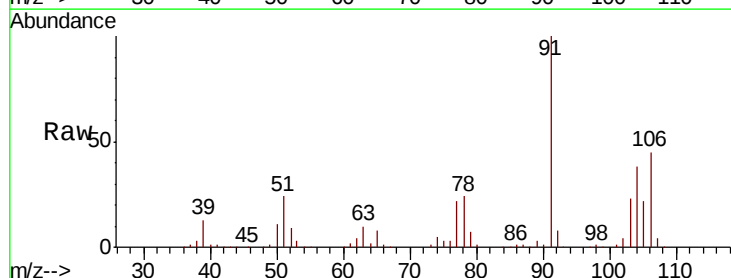


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

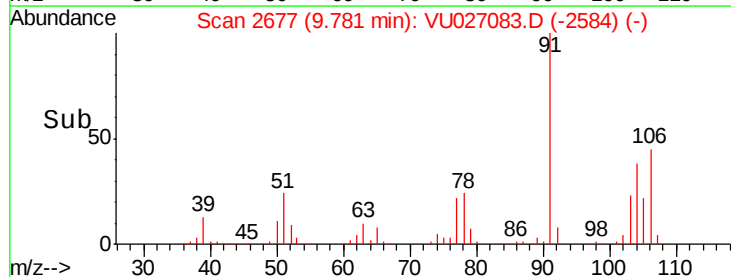
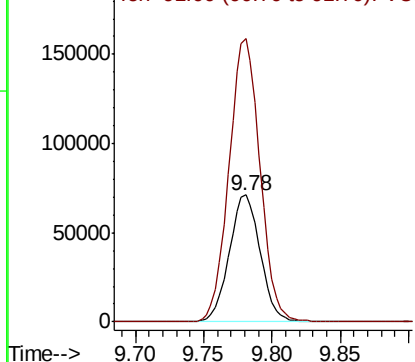


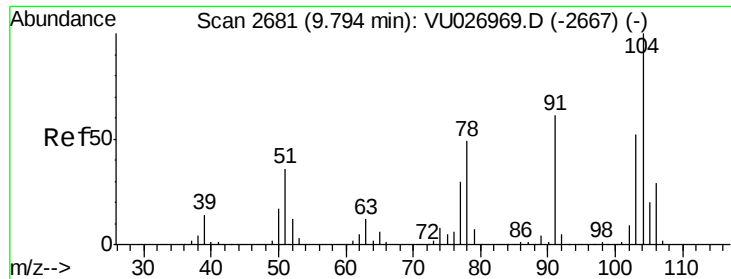
#69
o-Xylene
Concen: 54.252 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion:106 Resp: 112308
Ion Ratio Lower Upper
106 100
91 223.5 110.2 330.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





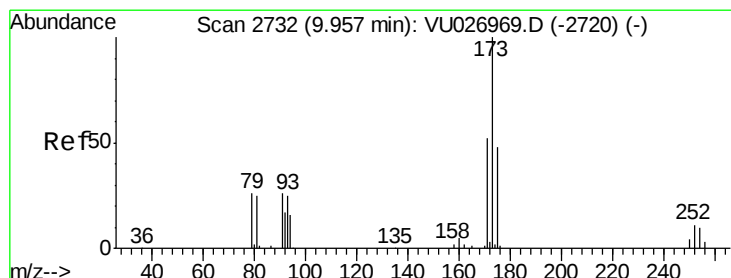
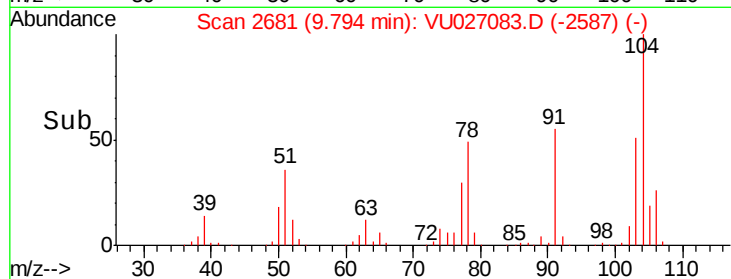
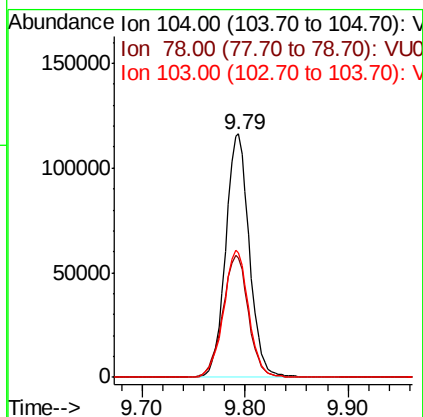
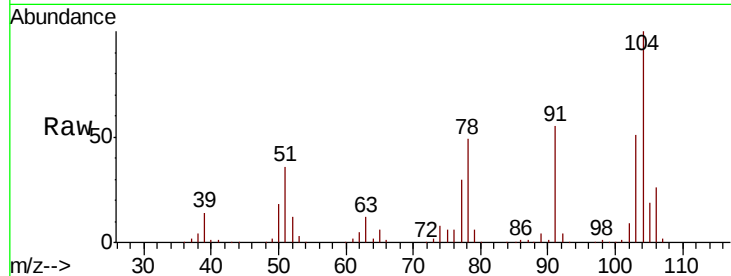
#70
Stvrene
Concen: 48.188 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	185996		
78	54.2	43.0	64.4	
103	55.0	44.1	66.1	

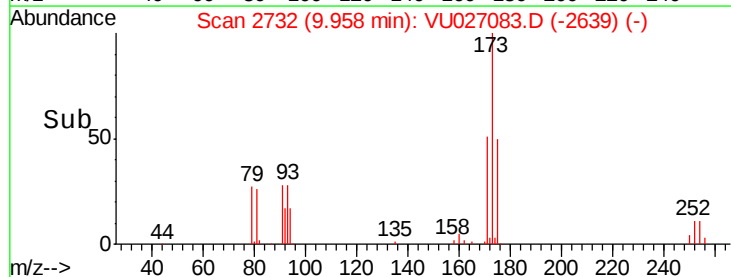
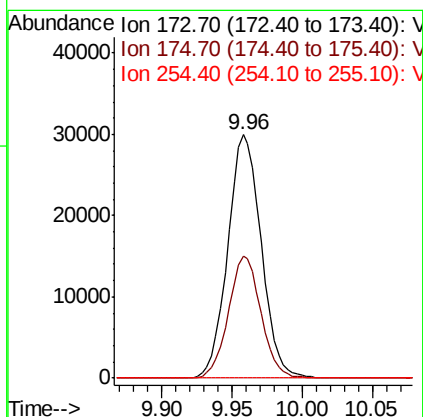
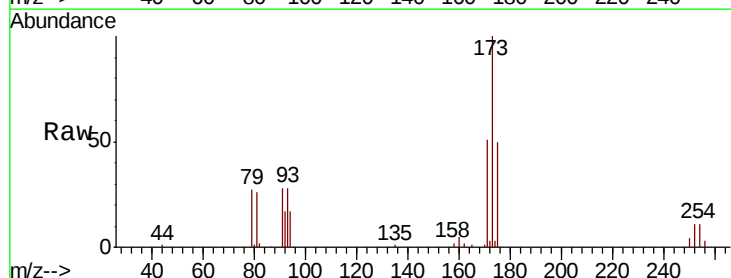
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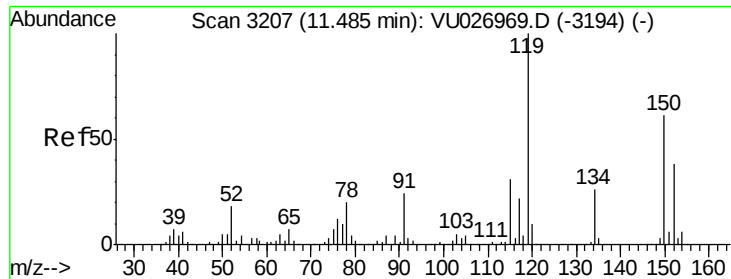
MMDadoda
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#71
Bromoform
Concen: 52.469 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	49655		
175	48.7	23.9	71.8	
254	0.0	0.0	0.0	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:152 Resp: 71659

Ion Ratio Lower Upper

152 100

115 89.9 44.9 134.5

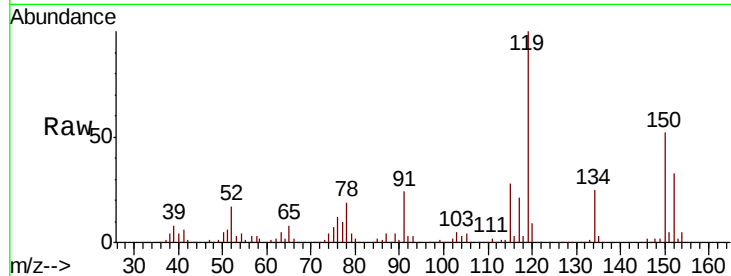
150 174.0 0.0 355.8

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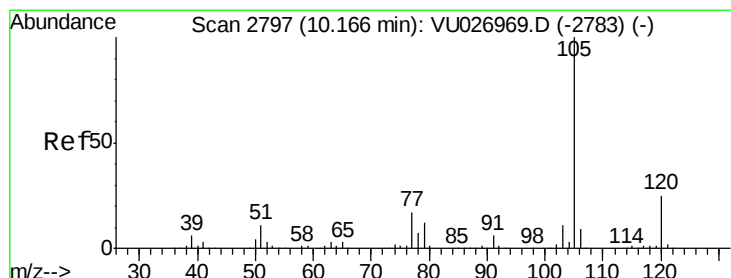
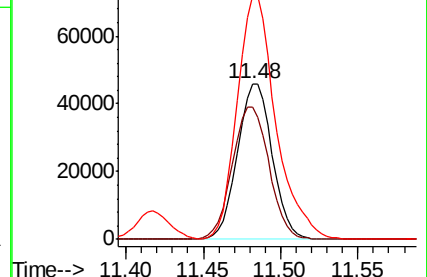
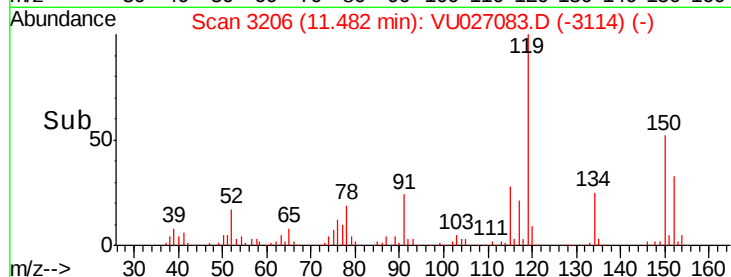
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.988 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027083.D

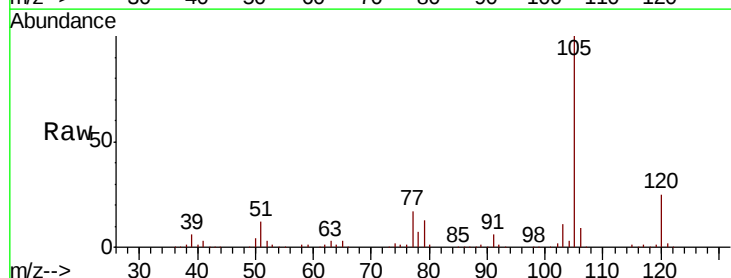
Acq: 23 Sep 2018 19:33

Tgt Ion:105 Resp: 299738

Ion Ratio Lower Upper

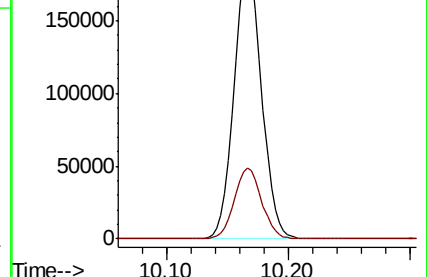
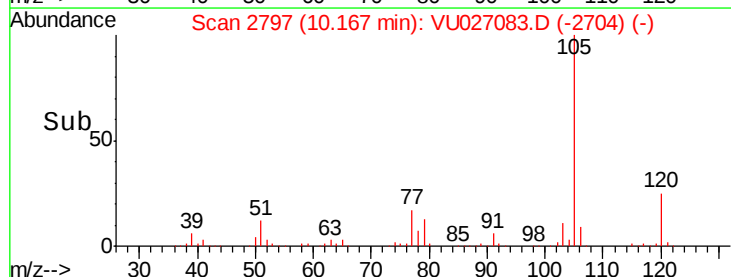
105 100

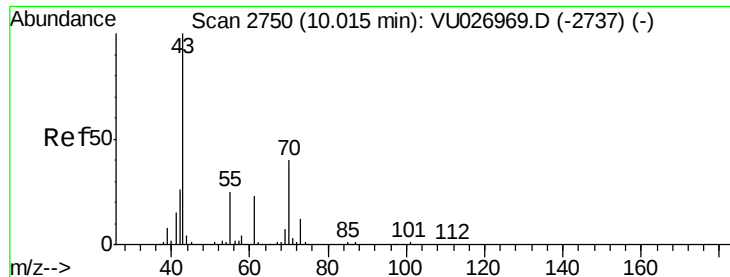
120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.860 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

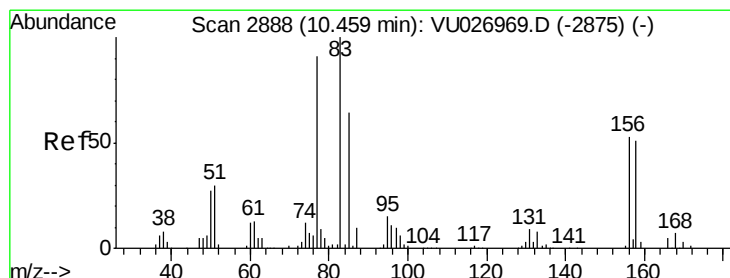
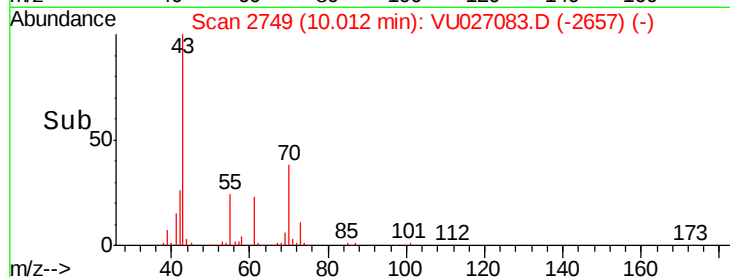
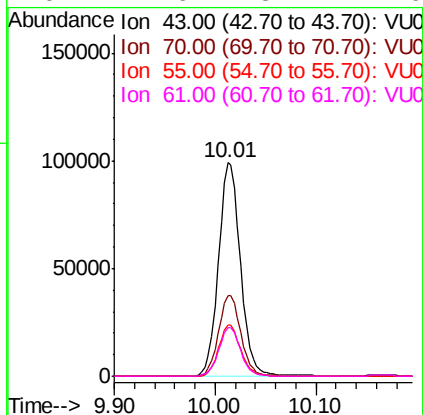
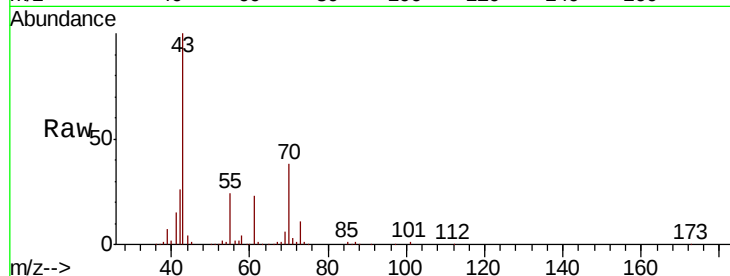
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion	43	Resp	151011
Ion	Ratio	Lower	Upper
43	100		
70	38.4	31.8	47.8
55	24.0	19.9	29.9
61	22.6	18.4	27.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.820 ug/l

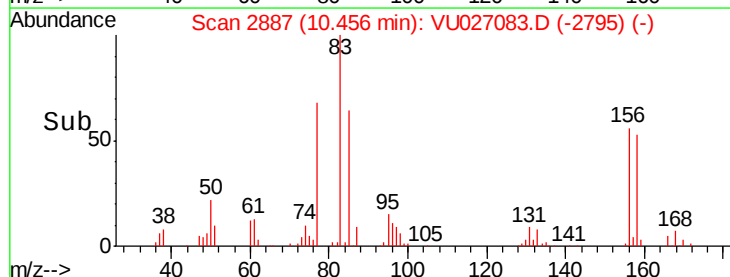
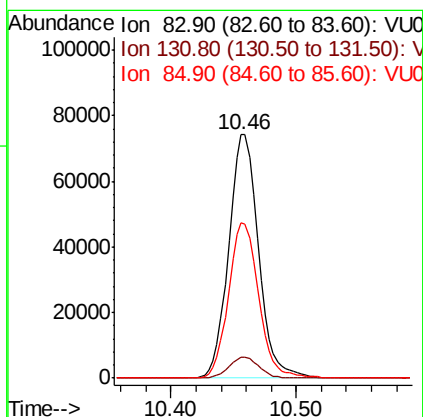
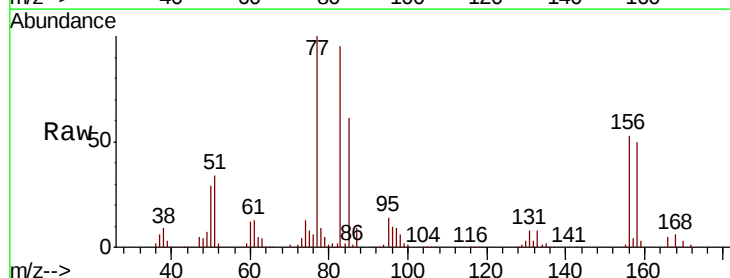
RT: 10.46 min Scan# 2887

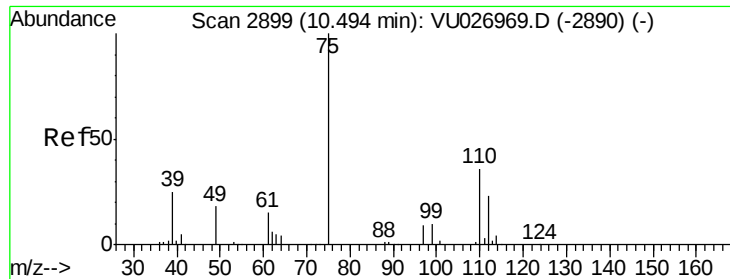
Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion	83	Resp	122354
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.4	31.9	95.7





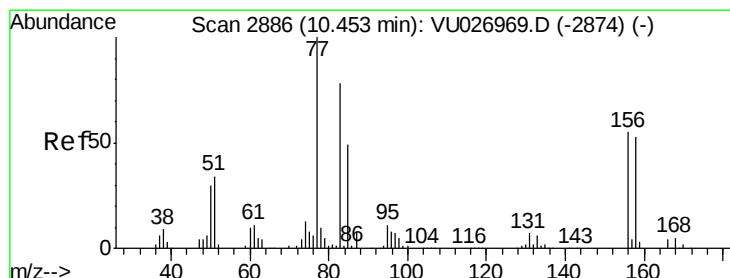
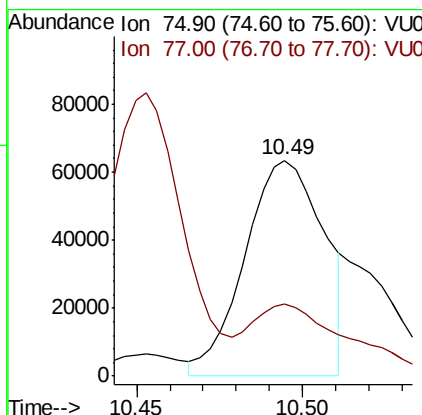
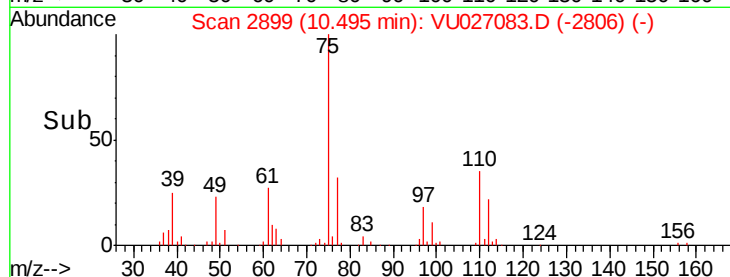
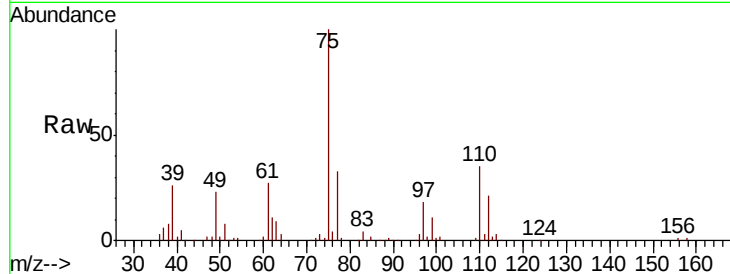
#76
 1,2,3-Trichloropropane
 Concen: 48.207 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion: 75 Resp: 104945
 Ion Ratio Lower Upper
 75 100
 77 42.2 20.9 62.8

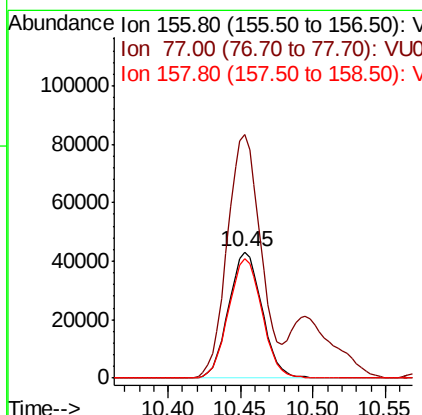
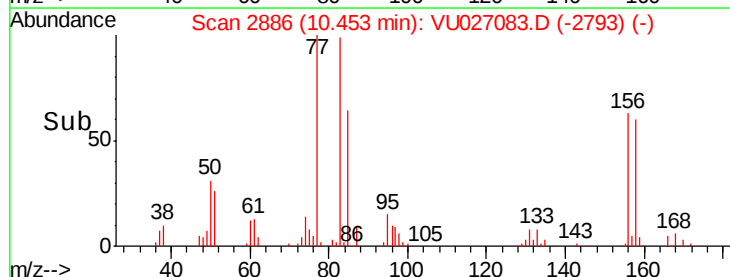
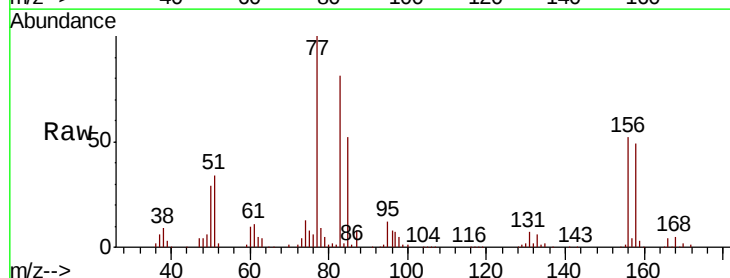
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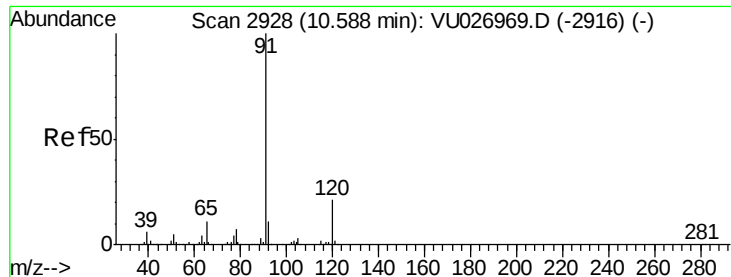
MMDadoda
 9/24/2018 4:40:38 PM



#77
 Bromobenzene
 Concen: 51.810 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion: 156 Resp: 69014
 Ion Ratio Lower Upper
 156 100
 77 194.4 92.3 276.9
 158 95.2 48.1 144.3





#78

n-propylbenzene

Concen: 56.147 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 91 Resp: 362141

Ion Ratio Lower Upper

91 100

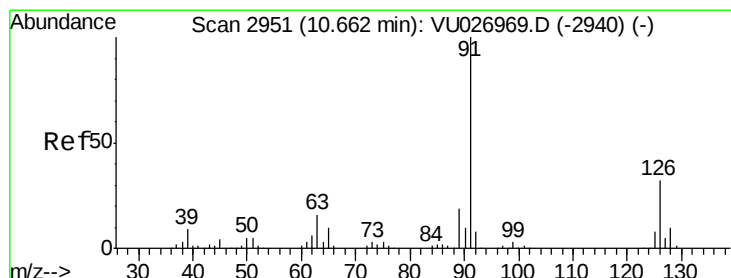
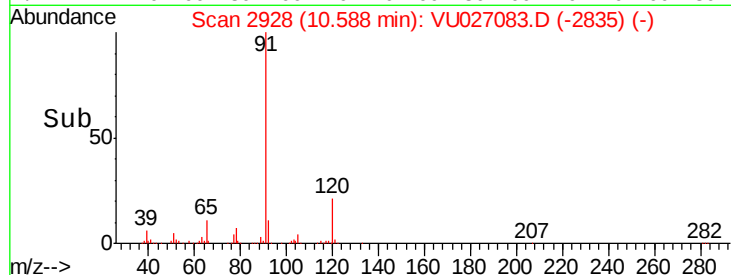
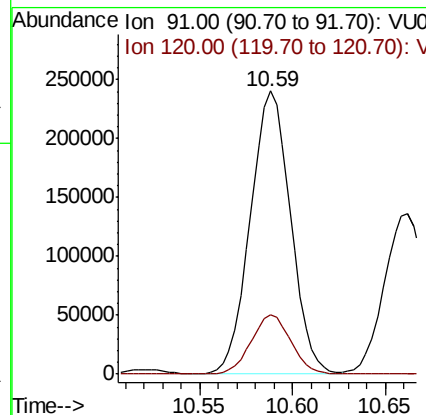
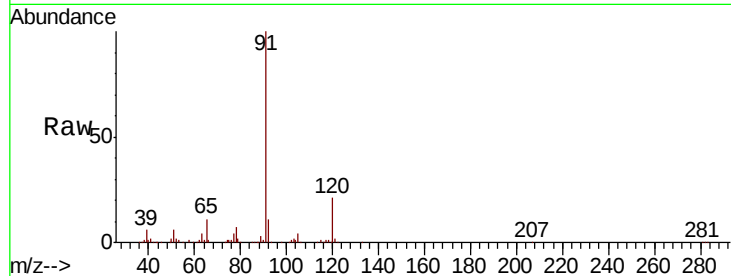
120 20.7 10.6 31.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 53.251 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027083.D

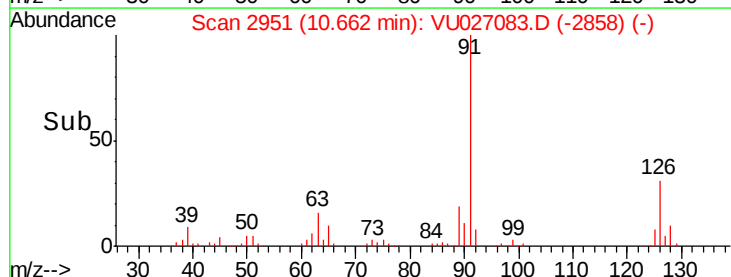
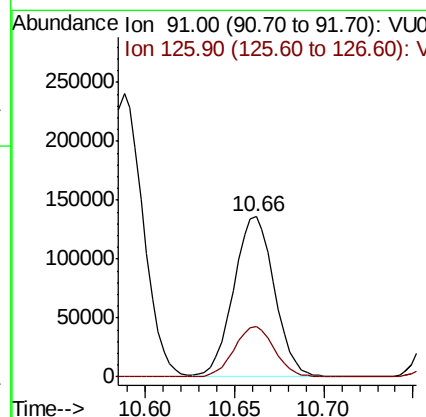
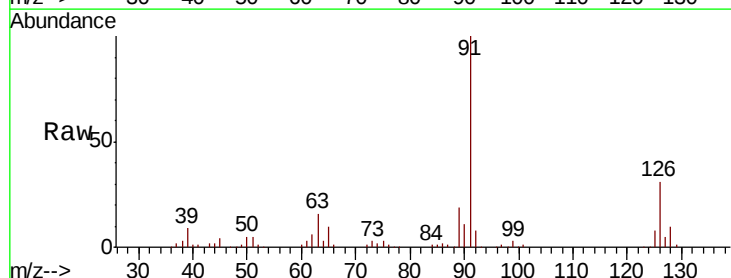
Acq: 23 Sep 2018 19:33

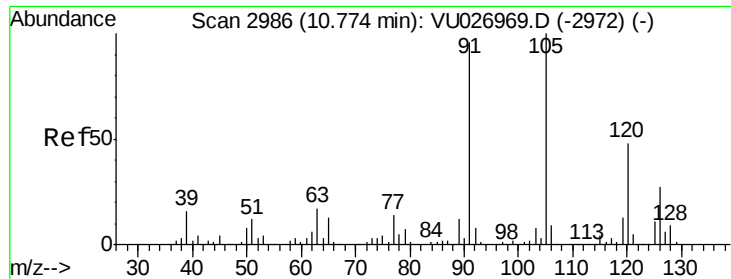
Tgt Ion: 91 Resp: 215735

Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3





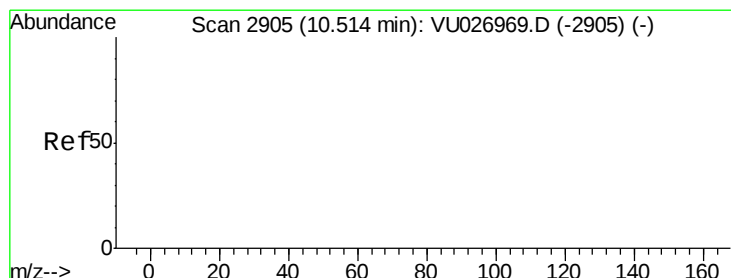
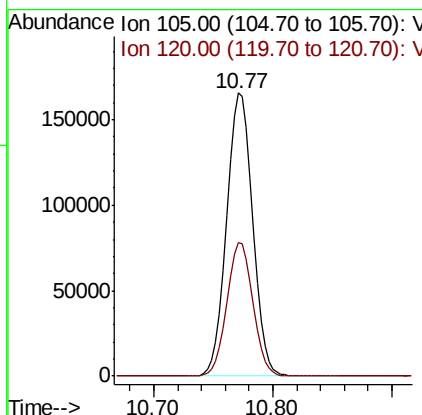
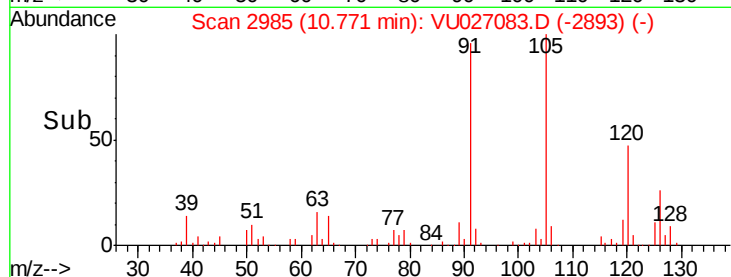
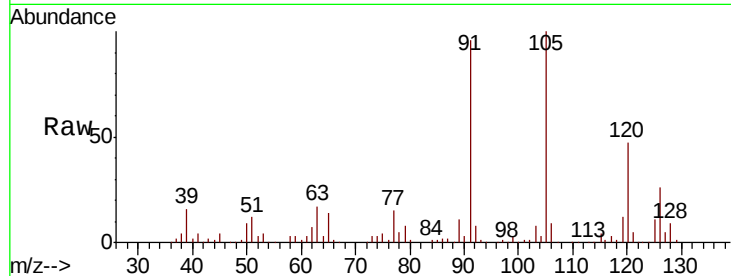
#80
 1,3,5-Trimethylbenzene
 Concen: 55.884 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion: 105 Resp: 251462
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.9 71.7

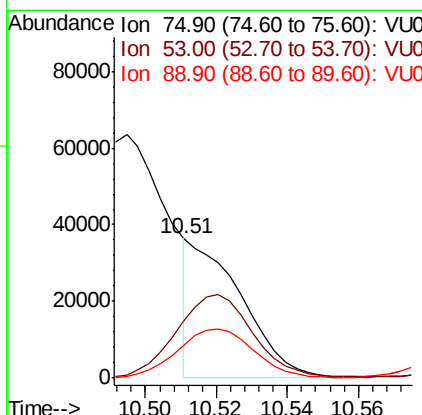
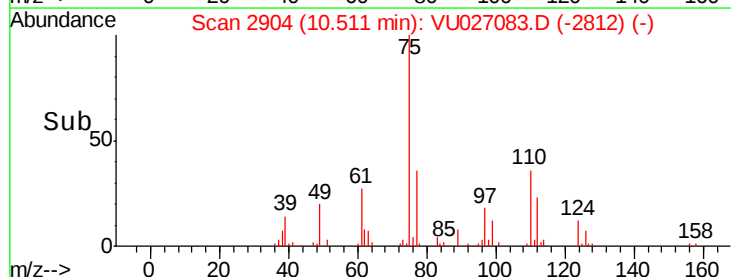
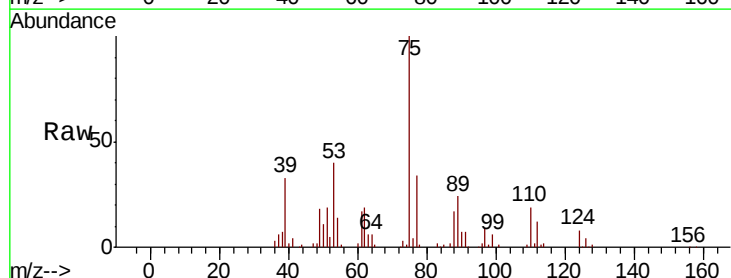
Manual Integrations
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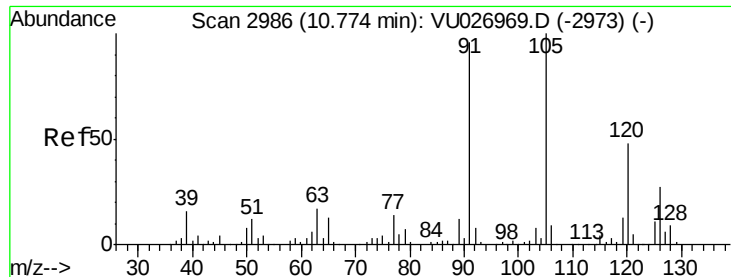
MMDadoda
 9/24/2018 4:40:38 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.686 ug/l m
 RT: 10.51 min Scan# 2904
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion: 75 Resp: 36521
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 54.160 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 91 Resp: 246032

Ion Ratio Lower Upper

91 100

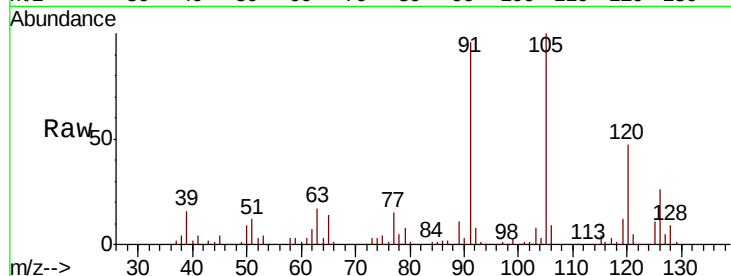
126 27.6 14.1 42.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2973) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2973) (-)

10.77

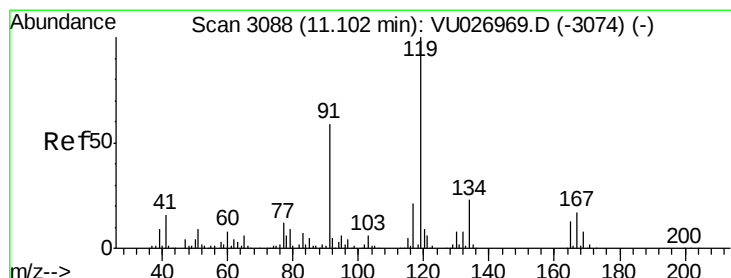
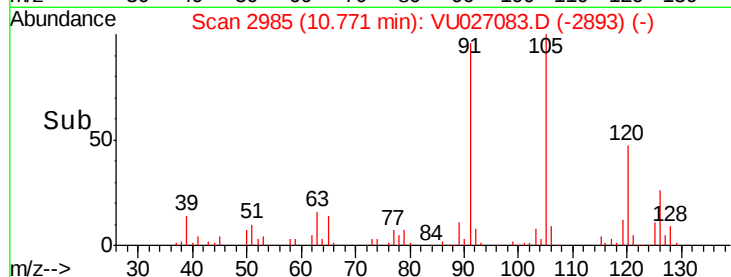
150000

100000

50000

0

Time-->



#83

tert-Butylbenzene

Concen: 54.149 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

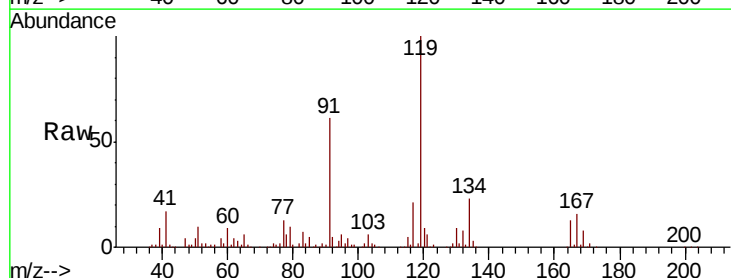
Tgt Ion: 119 Resp: 240889

Ion Ratio Lower Upper

119 100

91 60.4 29.8 89.4

134 22.6 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): VU026969.D (-3074) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-3074) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3074) (-)

11.10

200000

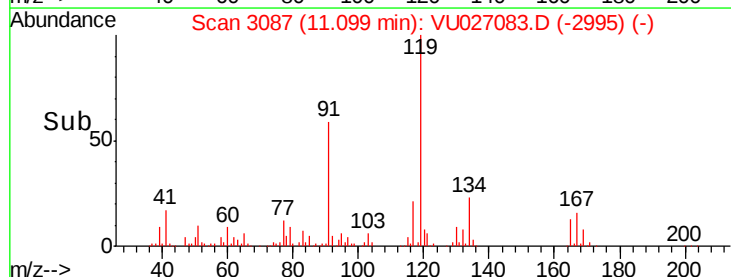
150000

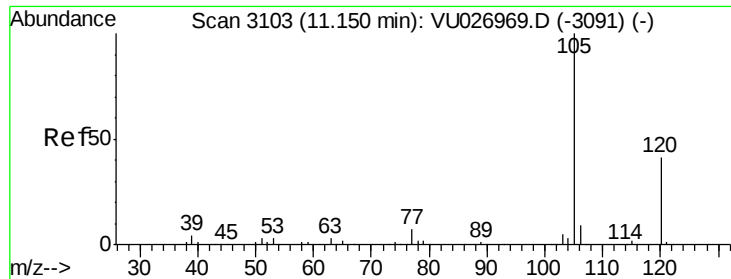
100000

50000

0

Time-->





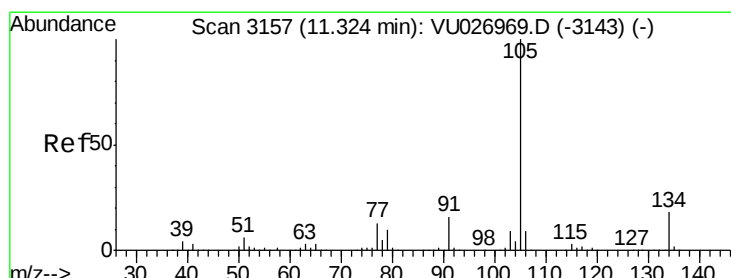
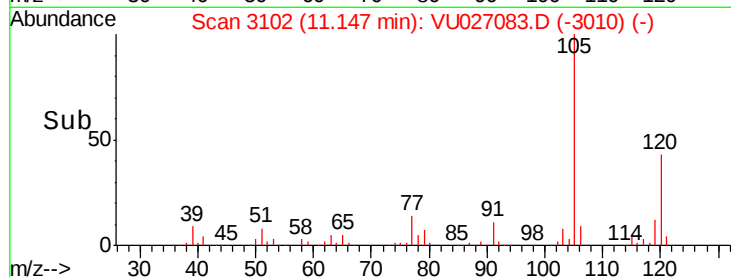
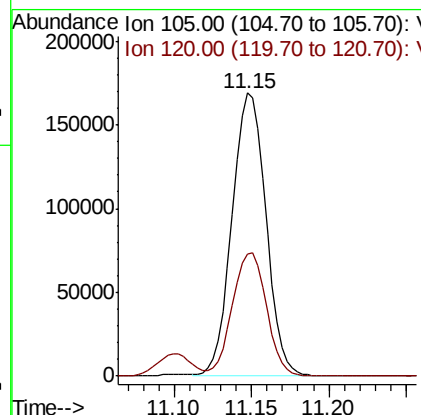
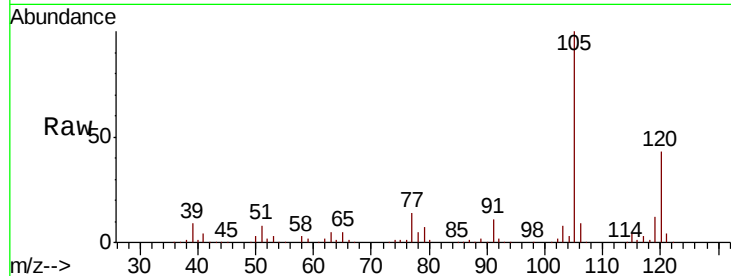
#84
 1,2,4-Trimethylbenzene
 Concen: 55.892 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	255944		
120	44.1	22.4	67.2	

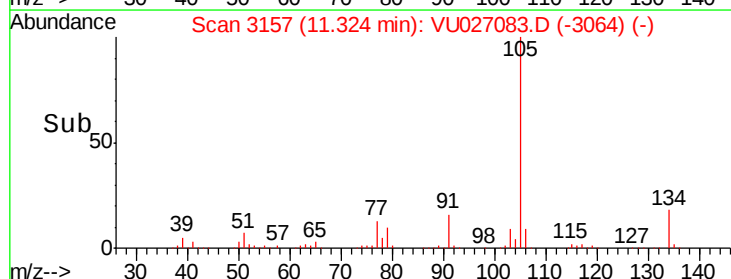
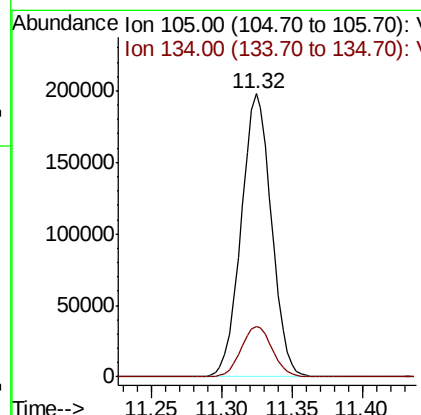
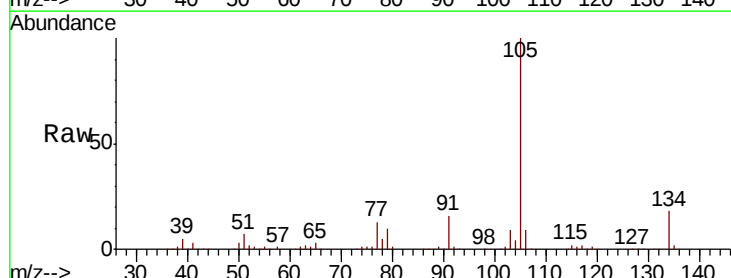
Manual Integrations
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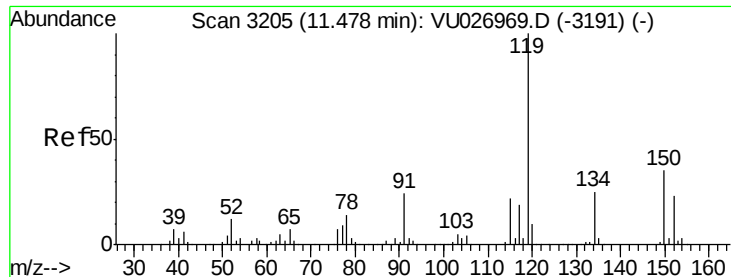
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 9/24/2018 4:40:38 PM



#85
 sec-Butylbenzene
 Concen: 54.800 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297592		
134	18.4	9.4	28.2	





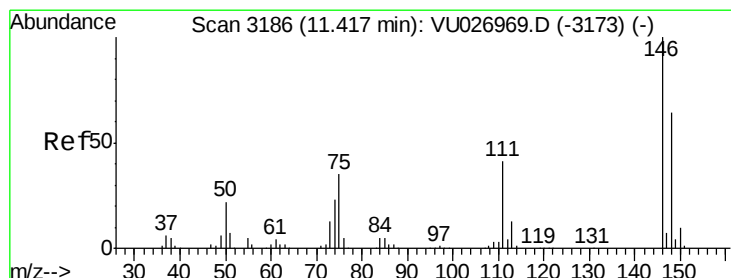
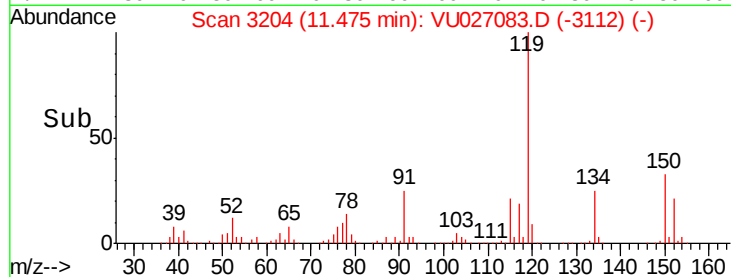
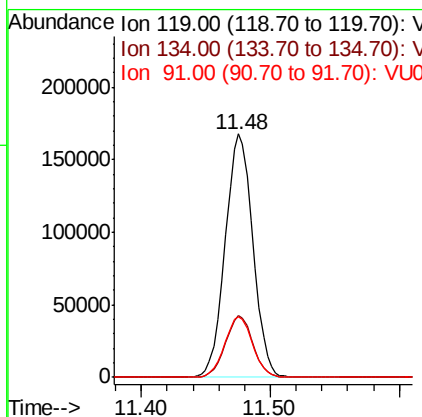
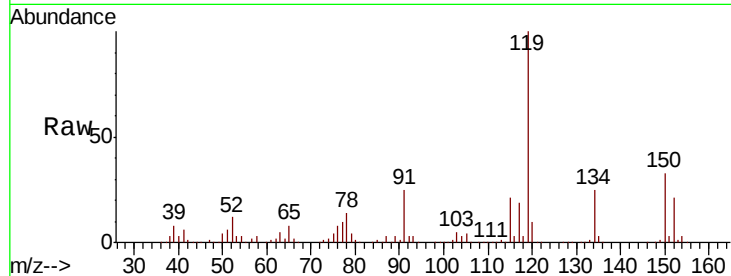
#86
 p-Isopropyltoluene
 Concen: 48.859 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	248855		
134	25.0	12.8	38.3	
91	25.1	12.3	36.8	

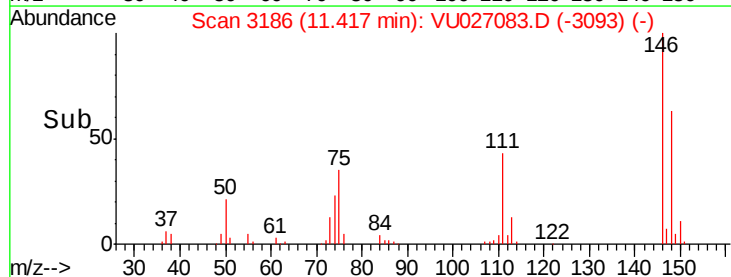
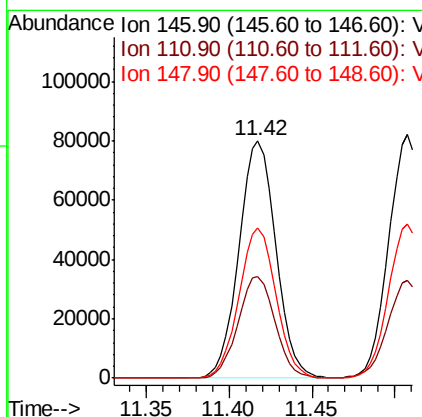
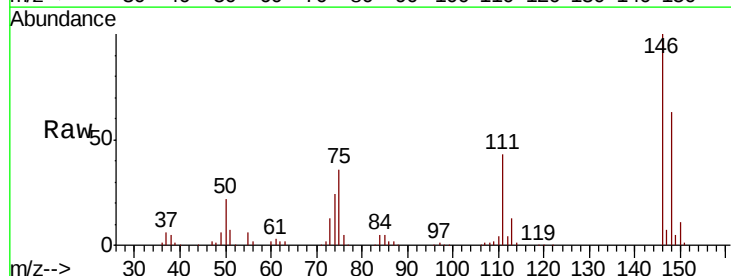
Manual Integrations
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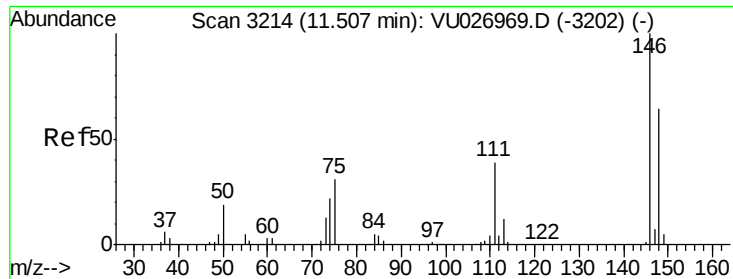
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#87
 1,3-Dichlorobenzene
 Concen: 50.137 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124280		
111	42.8	20.8	62.2	
148	63.3	32.0	96.2	





#88

1,4-Dichlorobenzene

Concen: 46.623 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

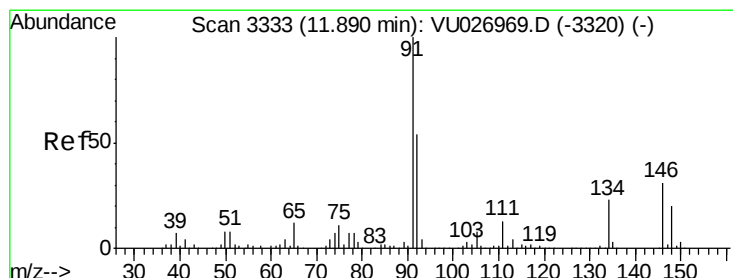
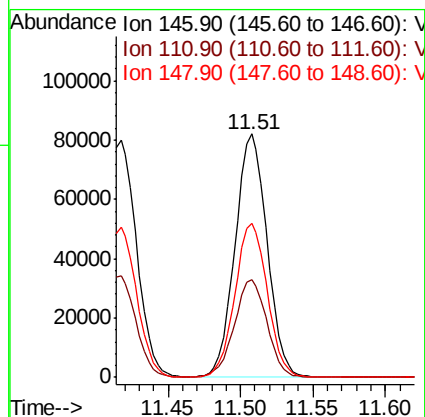
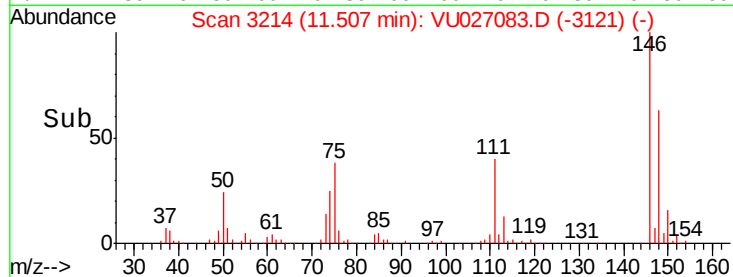
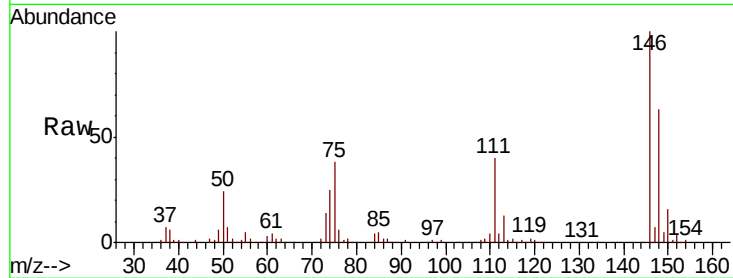
ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion:	146	Resp:	125957
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.3	60.9
148	63.9	31.9	95.9

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#89

n-Butylbenzene

Concen: 46.102 ug/l

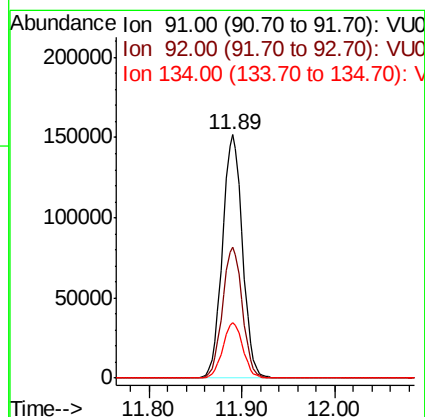
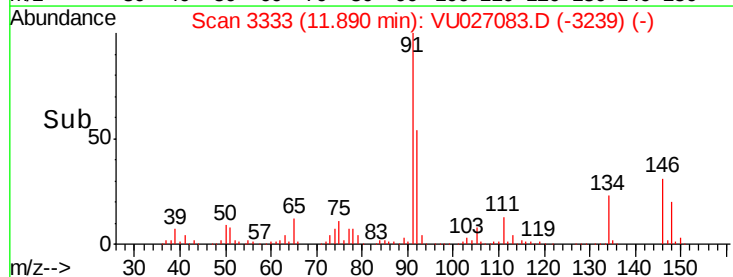
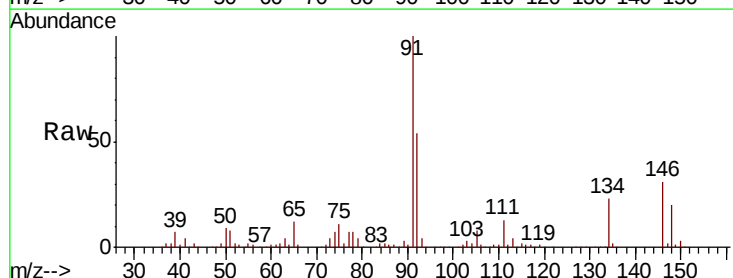
RT: 11.89 min Scan# 3333

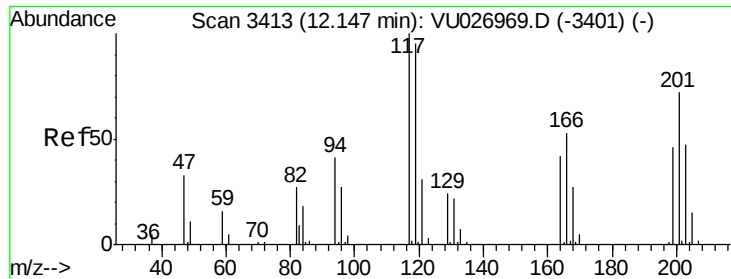
Delta R.T. 0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Tgt Ion:	91	Resp:	226755
Ion Ratio	Lower	Upper	
91	100		
92	53.5	27.1	81.2
134	22.8	11.7	35.0





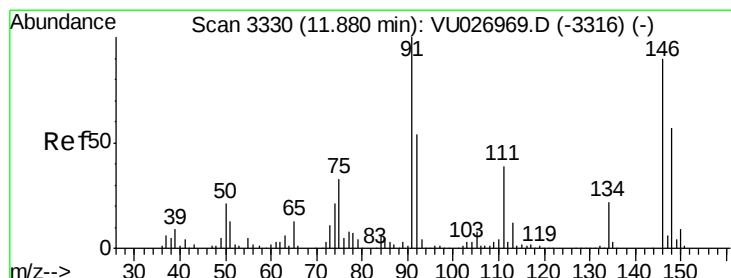
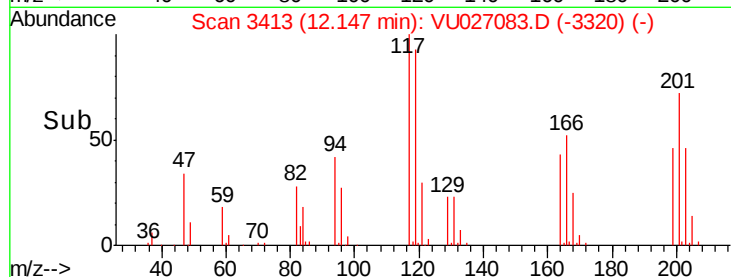
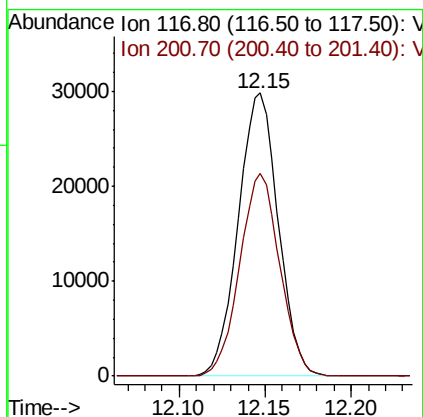
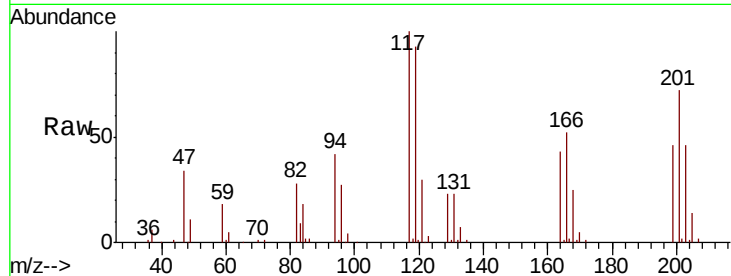
#90
Hexachloroethane
Concen: 48.781 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-SW4002-20180915MSD

Tot Ion:117 Resp: 48172
Ion Ratio Lower Upper
117 100
201 71.8 36.8 110.3

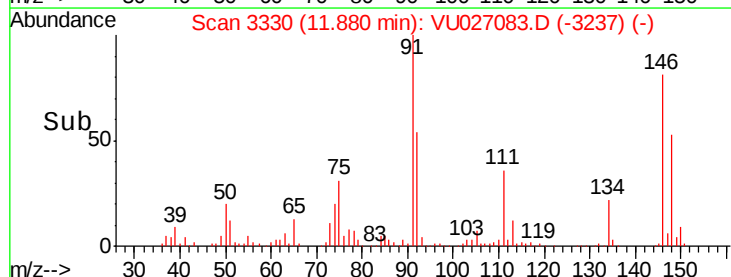
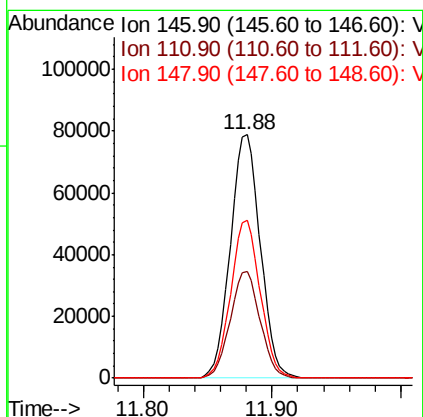
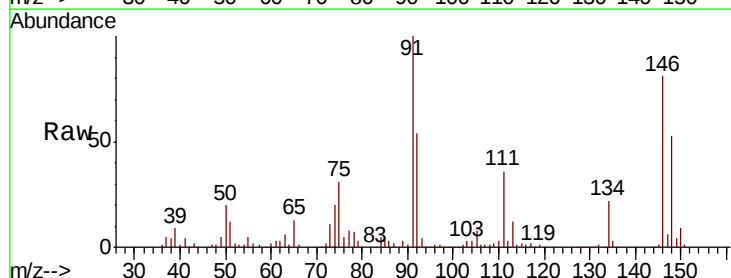
Manual Integrations
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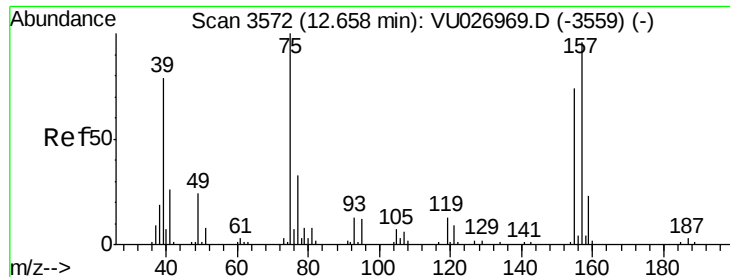
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#91
1,2-Dichlorobenzene
Concen: 48.250 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027083.D
Acq: 23 Sep 2018 19:33

Tgt Ion:146 Resp: 127048
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.3
148 63.8 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.712 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-SW4002-20180915MSD

Tot Ion: 75 Resp: 27973

Ion Ratio Lower Upper

75 100

155 70.0 36.6 109.8

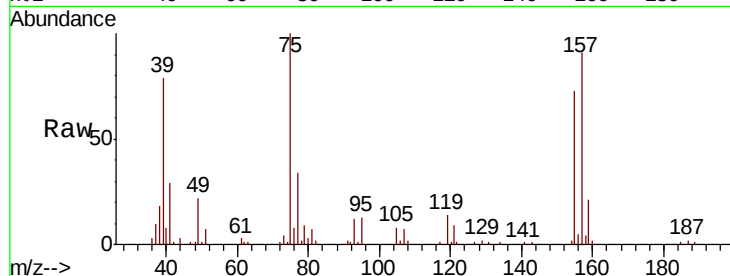
157 90.4 47.4 142.2

Manual Integrations

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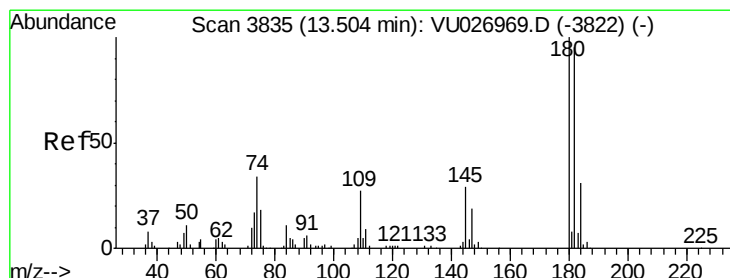
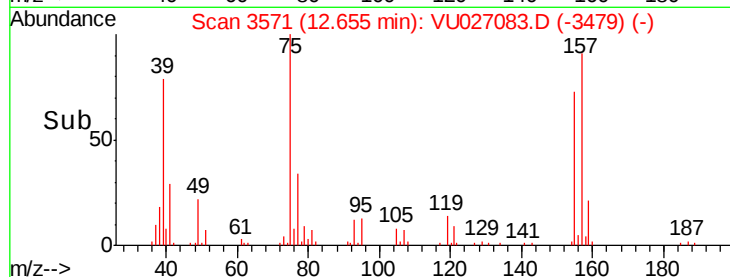
Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU026969.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU026969.D (-3559) (-)

12.66

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 52.333 ug/l

RT: 13.50 min Scan# 3834

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

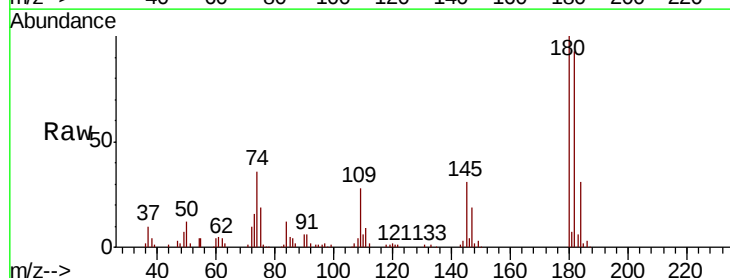
Tgt Ion: 180 Resp: 79408

Ion Ratio Lower Upper

180 100

182 95.2 47.4 142.2

145 30.3 14.9 44.5



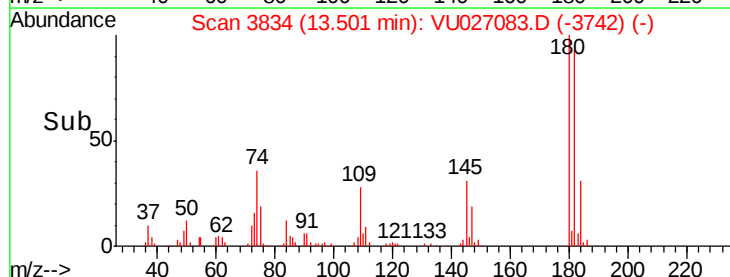
Abundance Ion 179.80 (179.50 to 180.50): VU026969.D (-3822) (-)

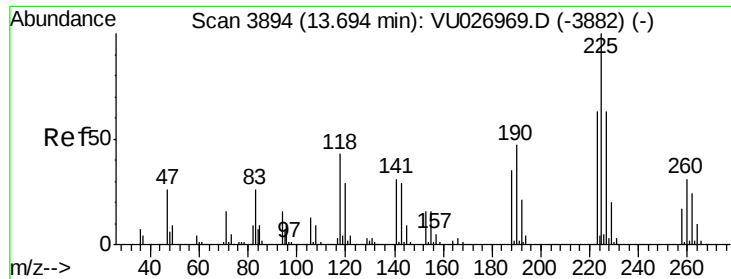
Ion 181.80 (181.50 to 182.50): VU026969.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU026969.D (-3822) (-)

13.50

Time-->





#94

Hexachlorobutadiene

Concen: 45.253 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027083.D

Acq: 23 Sep 2018 19:33

Instrument :

MSVOA_U

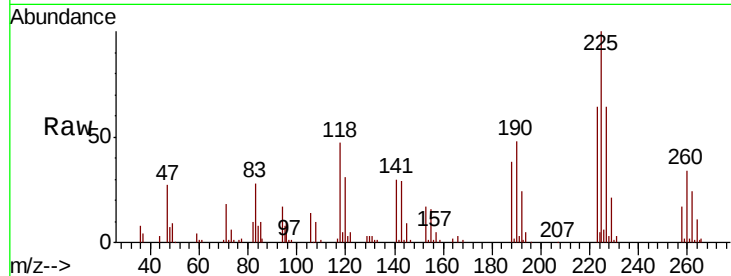
ClientSampleId :

BP-TT-SW4002-20180915MSD

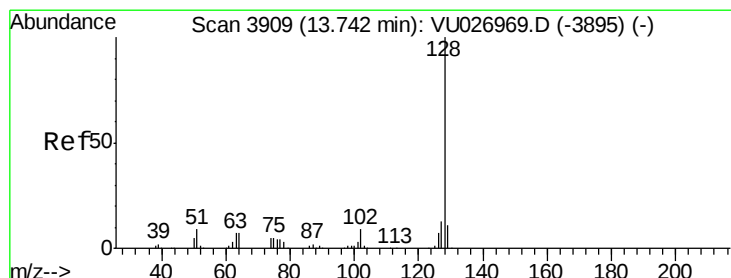
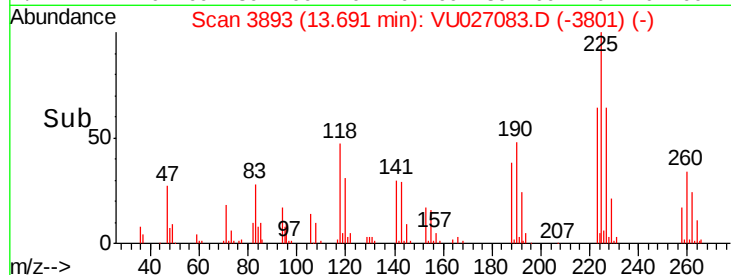
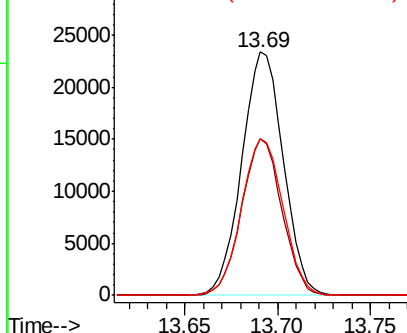
Tot Ion:	225	Resp:	36332
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.9	95.7
227	64.4	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:38 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 50.718 ug/l

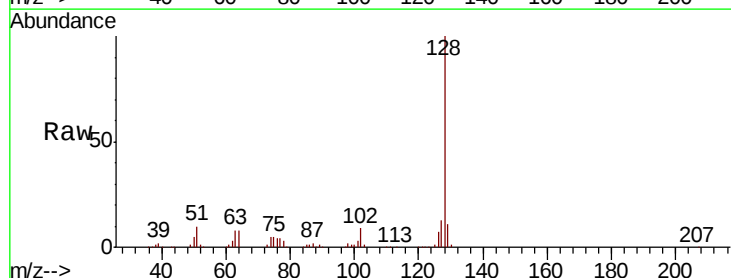
RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

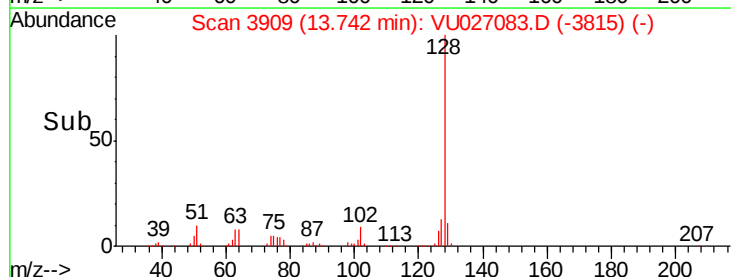
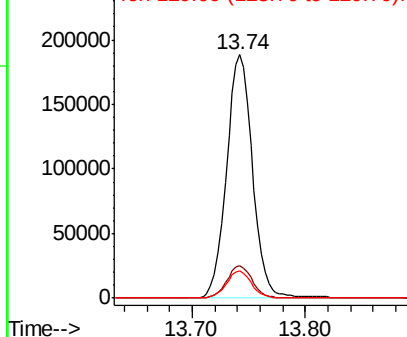
Lab File: VU027083.D

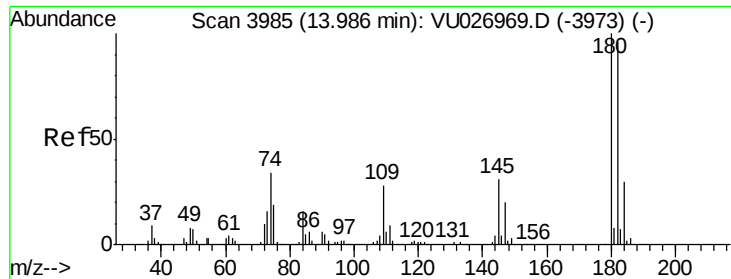
Acq: 23 Sep 2018 19:33

Tgt Ion:	128	Resp:	301039
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 52.193 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027083.D
 Acq: 23 Sep 2018 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-SW4002-20180915MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.5
145	32.3	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:38 PM

