

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110618\
 Data File : VU027976.D
 Acq On : 06 Nov 2018 10:58
 Operator : MD/SY
 Sample : VU1106WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 11:21:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343627	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	320459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	145973	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	4.89	113	108813	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	7.57	98	415222	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	10.31	95	152576	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	40665	16.146	ug/l	96
3) Chloromethane	1.33	50	55054	18.074	ug/l	97
4) Vinyl Chloride	1.41	62	54818	18.133	ug/l	98
5) Bromomethane	1.63	94	26052	23.297	ug/l	99
6) Chloroethane	1.70	64	32798	18.826	ug/l	99
7) Trichlorofluoromethane	1.89	101	65354	18.708	ug/l	94
8) Diethyl Ether	2.11	74	29319	19.601	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40830	19.674	ug/l	98
10) Methyl Iodide	2.41	142	31113	21.551	ug/l	97
11) Tert butyl alcohol	2.83	59	71778	92.008	ug/l	99
12) 1,1-Dichloroethene	2.29	96	38546	18.556	ug/l	98
13) Acrolein	2.20	56	36410	123.441	ug/l	98
14) Allyl chloride	2.59	41	92416	18.203	ug/l	99
15) Acrylonitrile	2.94	53	187961	98.085	ug/l	99
16) Acetone	2.32	43	167410	91.564	ug/l	100
17) Carbon Disulfide	2.48	76	116856	17.210	ug/l	100
18) Methyl Acetate	2.62	43	93990	18.688	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	165794	19.791	ug/l	99
20) Methylene Chloride	2.70	84	49492	18.540	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	42992	17.933	ug/l	97
22) Diisopropyl ether	3.58	45	202625	19.331	ug/l	94
23) Vinyl Acetate	3.53	43	867531	96.304	ug/l	100
24) 1,1-Dichloroethane	3.45	63	97547	18.684	ug/l	99
25) 2-Butanone	4.26	43	274133	94.246	ug/l	99
26) 2,2-Dichloropropane	4.23	77	75115	19.171	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52037	19.357	ug/l	99
28) Bromochloromethane	4.55	49	49553	20.246	ug/l	98
29) Tetrahydrofuran	4.64	42	179329	92.330	ug/l	99
30) Chloroform	4.68	83	90200	18.842	ug/l	99
31) Cyclohexane	5.00	56	93766	17.193	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	73686	19.337	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66207	18.396	ug/l	99
37) Ethyl Acetate	4.39	43	100339	19.028	ug/l #	94
38) Carbon Tetrachloride	5.14	117	59129	18.539	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	80660	18.582	ug/l	100
40) Benzene	5.39	78	211778	19.247	ug/l	100
41) Methacrylonitrile	4.55	41	54738	19.451	ug/l	99
42) 1,2-Dichloroethane	5.41	62	73989	18.917	ug/l	100
43) Isopropyl Acetate	5.55	43	160528	19.431	ug/l	97
44) Trichloroethene	6.19	130	45174	19.099	ug/l	96
45) 1,2-Dichloropropane	6.44	63	61453	19.366	ug/l	96
46) Dibromomethane	6.56	93	35498	19.461	ug/l	98
47) Bromodichloromethane	6.76	83	69266	19.705	ug/l	99
48) Methyl methacrylate	6.62	41	79554	19.650	ug/l	100
49) 1,4-Dioxane	6.61	88	25114	380.216	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	519357	94.132	ug/l	100
52) Toluene	7.64	92	121415	18.769	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	77735	18.552	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	85215	19.665	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	53106	20.179	ug/l	97
56) Ethyl methacrylate	8.02	69	91402	19.694	ug/l	98
57) 1,3-Dichloropropane	8.24	76	92211	19.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	235690	94.819	ug/l	99
59) 2-Hexanone	8.36	43	405280	94.973	ug/l	100
60) Dibromochloromethane	8.48	129	47406	19.036	ug/l	97
61) 1,2-Dibromoethane	8.59	107	52314	18.707	ug/l	94
64) Tetrachloroethene	8.23	164	38362	18.462	ug/l	99
65) Chlorobenzene	9.12	112	127985	18.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	44715	19.336	ug/l	98
67) Ethyl Benzene	9.25	91	236575	18.983	ug/l	100
68) m/p-Xylenes	9.38	106	170078	37.613	ug/l	98
69) o-Xylene	9.78	106	84283	18.459	ug/l	97
70) Styrene	9.79	104	138249	18.949	ug/l	99
71) Bromoform	9.96	173	36116	18.635	ug/l #	97
73) Isopropylbenzene	10.17	105	230767	19.457	ug/l	100
74) N-amyl acetate	10.01	43	139356	19.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	91594	19.146	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	89881m	21.463	ug/l	
77) Bromobenzene	10.45	156	53274	19.589	ug/l	99
78) n-propylbenzene	10.59	91	274395	19.328	ug/l	99
79) 2-Chlorotoluene	10.66	91	160856	18.903	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	189942	19.333	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35033m	21.041	ug/l	
82) 4-Chlorotoluene	10.77	91	182378	18.879	ug/l	100
83) tert-Butylbenzene	11.10	119	187364	19.076	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	193233	19.532	ug/l	99
85) sec-Butylbenzene	11.32	105	234101	19.598	ug/l	100
86) p-Isopropyltoluene	11.48	119	196377	19.666	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	97089	19.326	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96608	18.762	ug/l	99
89) n-Butylbenzene	11.89	91	179989	18.966	ug/l	99
90) Hexachloroethane	12.15	117	33011	18.568	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	97492	19.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19702	19.544	ug/l	99

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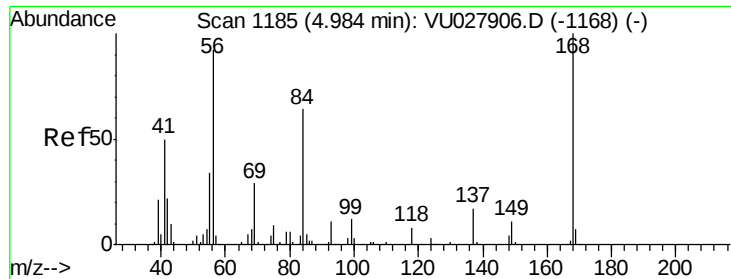
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	61887	17.912	ug/l	98
94) Hexachlorobutadiene	13.69	225	30731	19.139	ug/l	98
95) Naphthalene	13.74	128	228315	18.065	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67459	19.899	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion:168 Resp: 198207

Ion Ratio Lower Upper

168 100

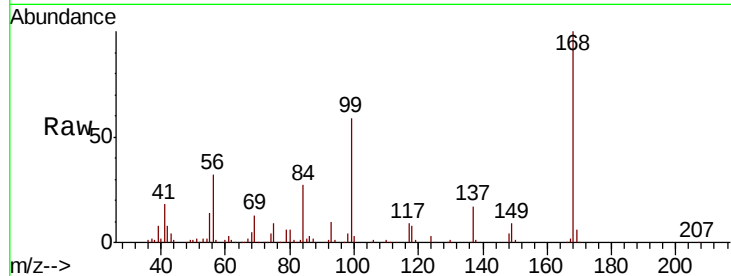
99 58.5 47.9 71.9

Manual Integrations

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11/6/2018 5:42:39 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027976.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU027976.D (-1092) (-)

4.99

80000

60000

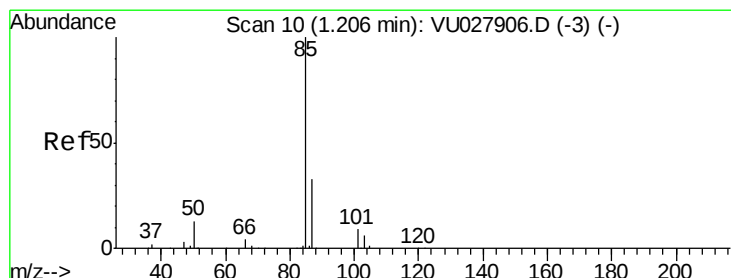
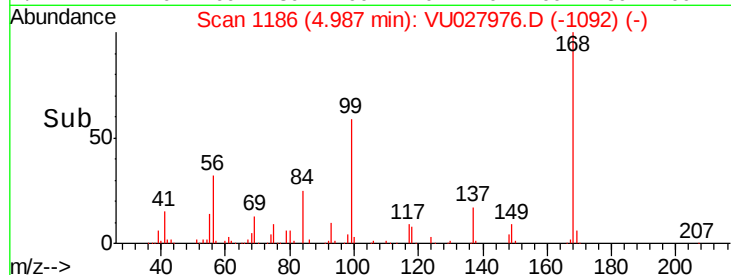
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.146 ug/l

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027976.D

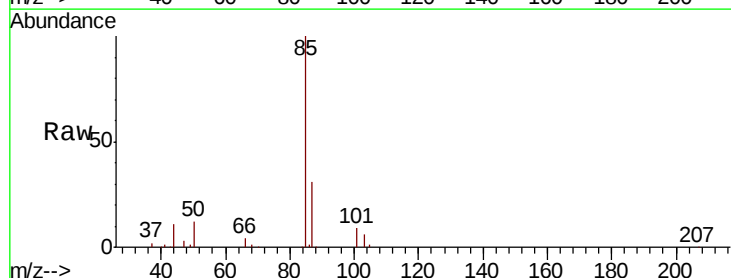
Acq: 06 Nov 2018 10:58

Tgt Ion: 85 Resp: 40665

Ion Ratio Lower Upper

85 100

87 30.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027976.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU027976.D (-1) (-)

1.21

40000

30000

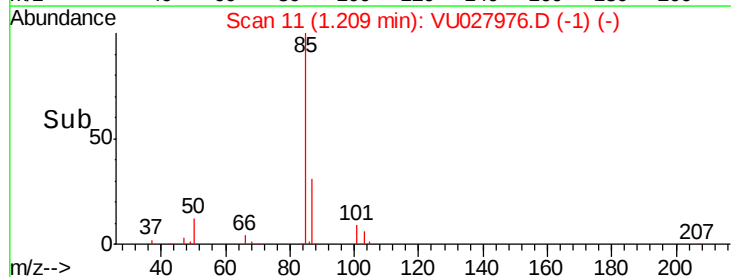
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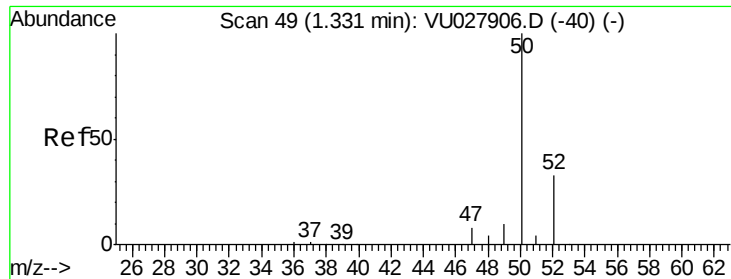
10000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.074 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 50 Resp: 55054

Ion Ratio Lower Upper

50 100

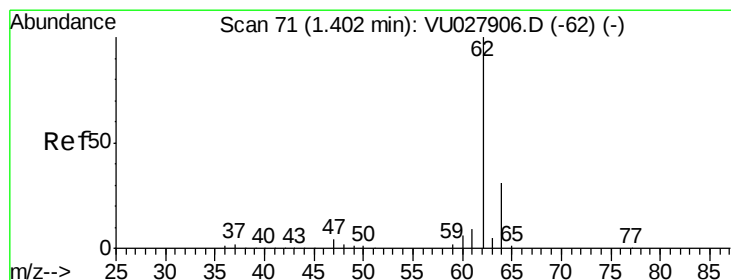
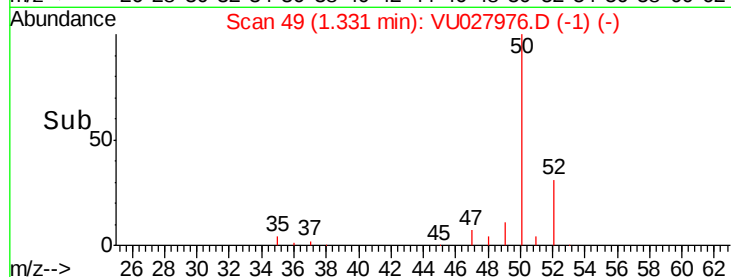
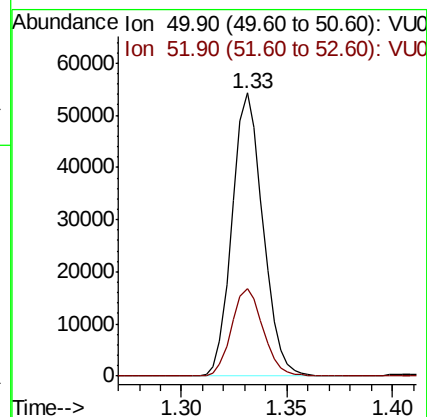
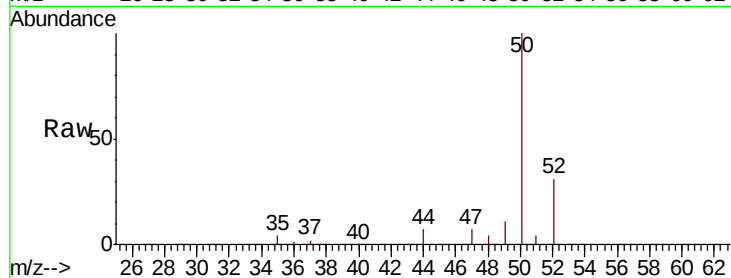
52 31.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.133 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027976.D

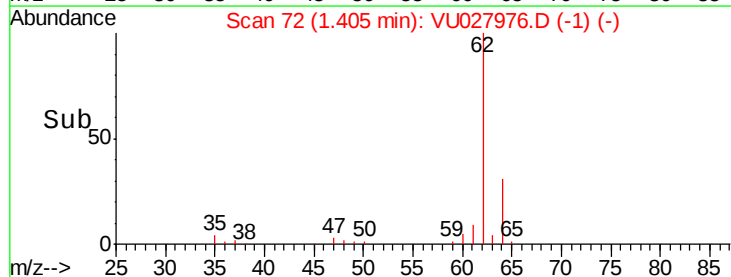
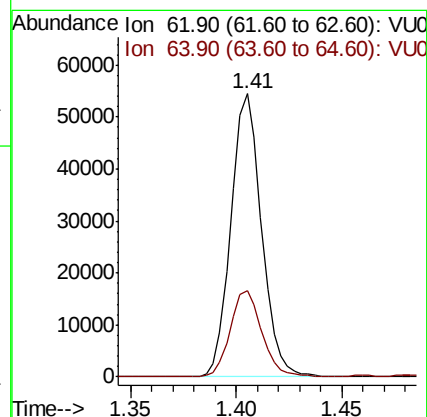
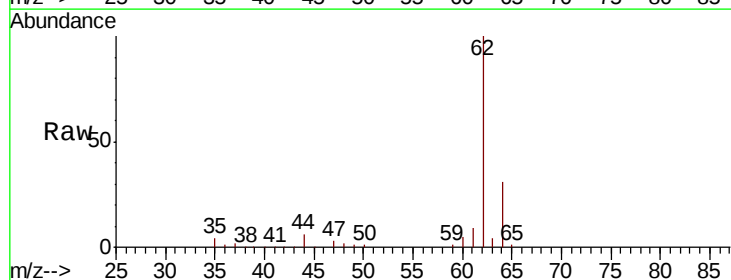
Acq: 06 Nov 2018 10:58

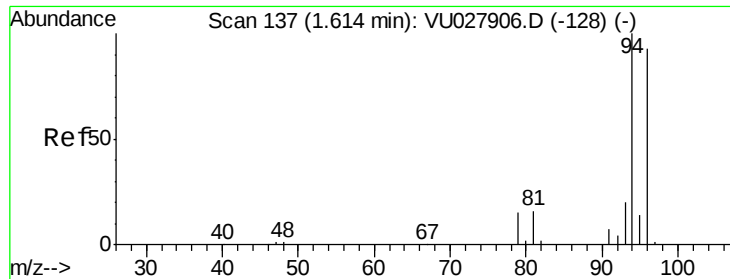
Tgt Ion: 62 Resp: 54818

Ion Ratio Lower Upper

62 100

64 30.6 25.2 37.8





#5

Bromomethane

Concen: 23.297 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 94 Resp: 26052

Ion Ratio Lower Upper

94 100

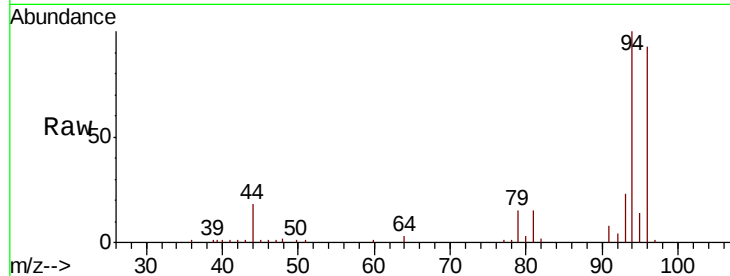
96 93.0 74.8 112.2

Manual Integrations

APPROVED

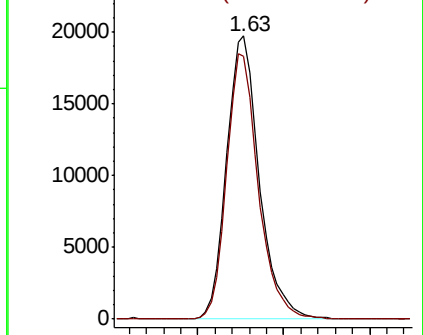
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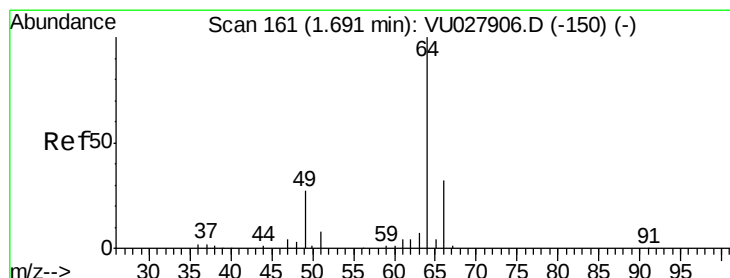
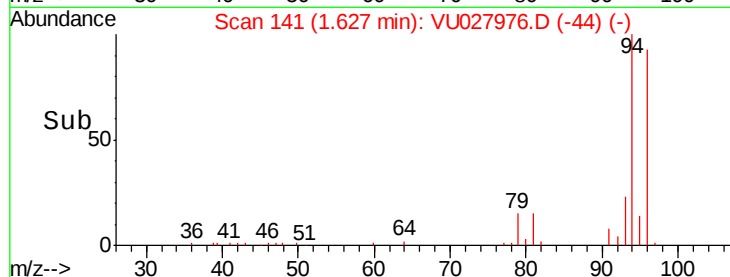


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 18.826 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027976.D

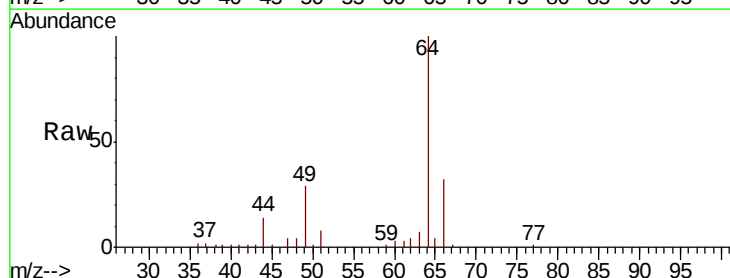
Acq: 06 Nov 2018 10:58

Tgt Ion: 64 Resp: 32798

Ion Ratio Lower Upper

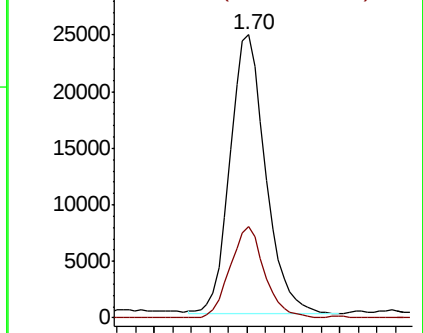
64 100

66 33.0 25.9 38.9

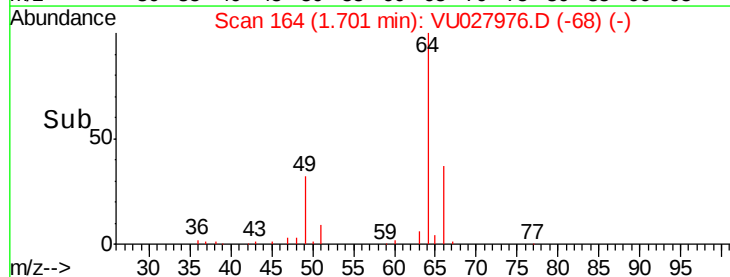


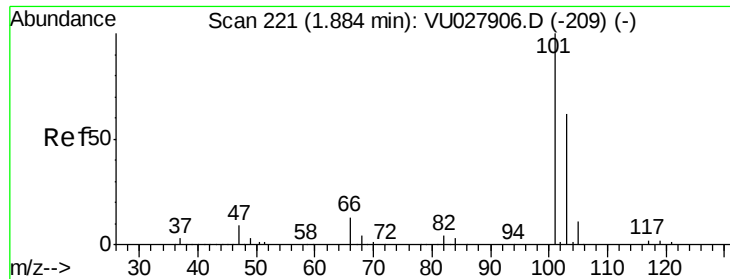
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

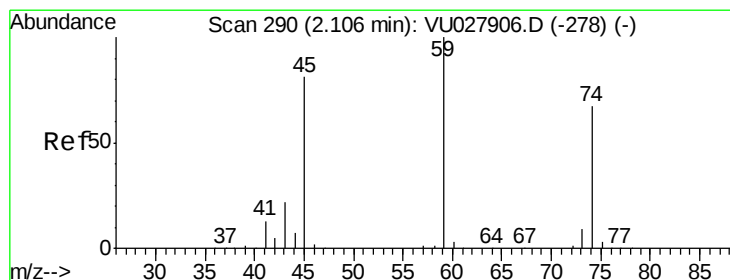
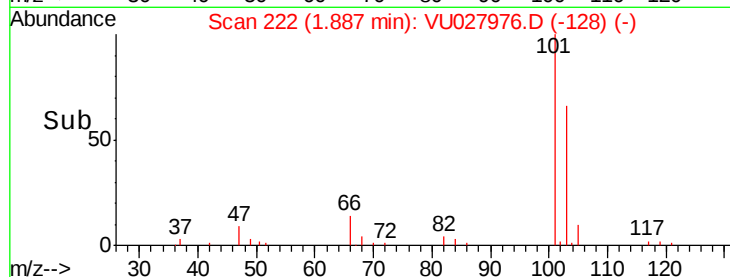
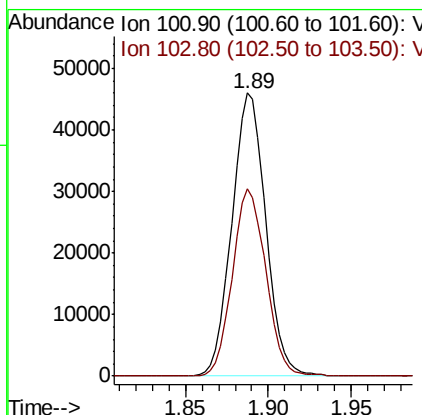
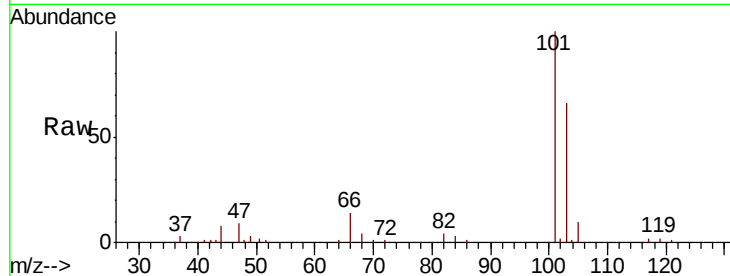
Trichlorofluoromethane
Concen: 18.708 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
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VU1106WBS01

Tot Ion:101 Resp: 65354
Ion Ratio Lower Upper
101 100
103 66.2 49.4 74.2

Manual Integrations
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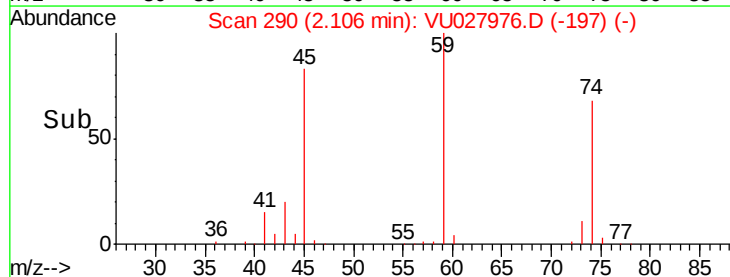
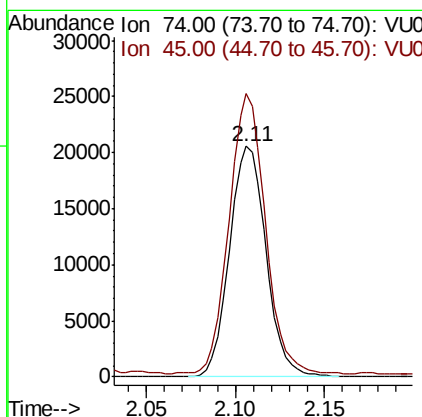
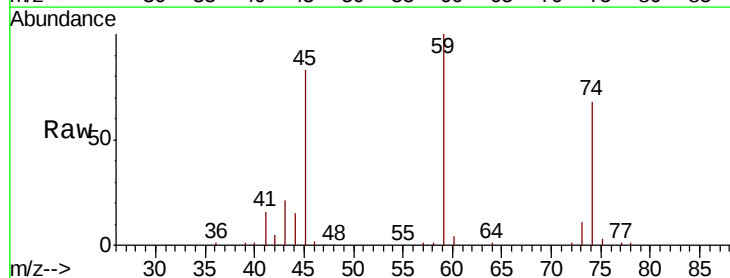
MMDadoda
11/6/2018 5:42:39 PM

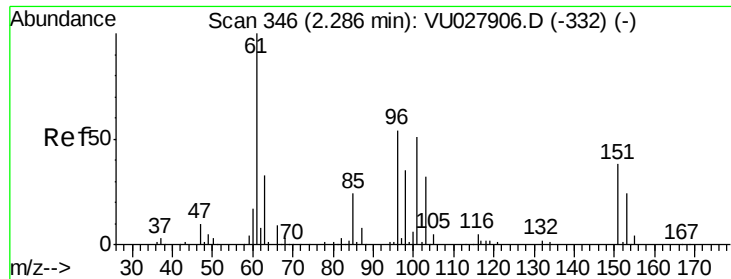


#8

Diethyl Ether
Concen: 19.601 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion: 74 Resp: 29319
Ion Ratio Lower Upper
74 100
45 120.9 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.674 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

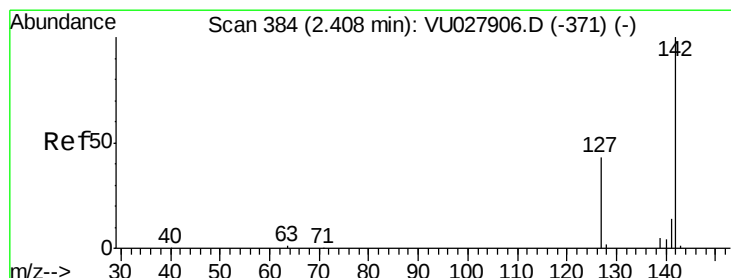
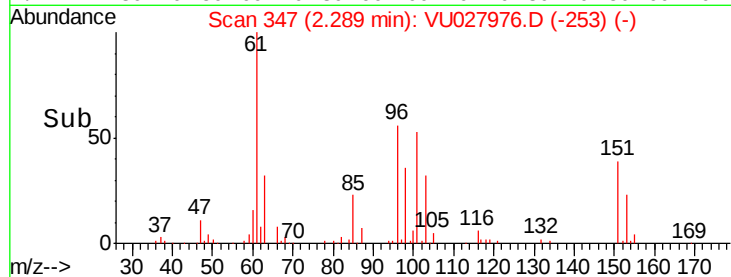
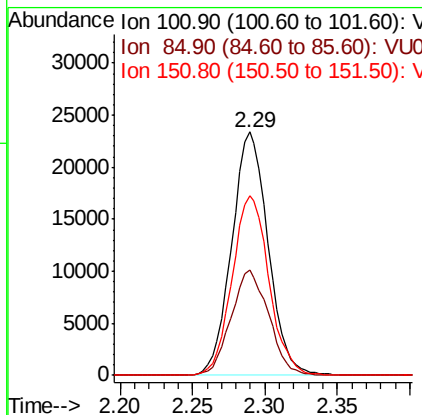
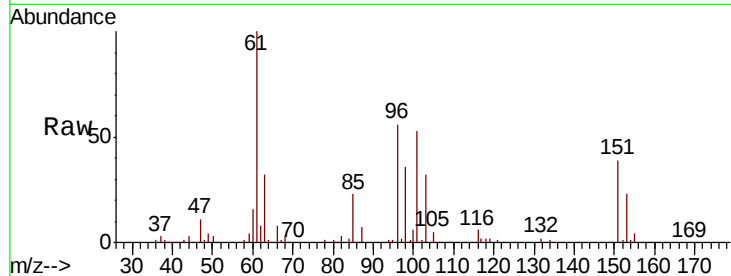
ClientSampleId :

VU1106WBS01

Tot Ion:	101	Resp:	40830
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.9	55.3
151	74.4	58.0	87.0

Manual Integrations
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11/6/2018 5:42:39 PM



#10

Methyl Iodide

Concen: 21.551 ug/l

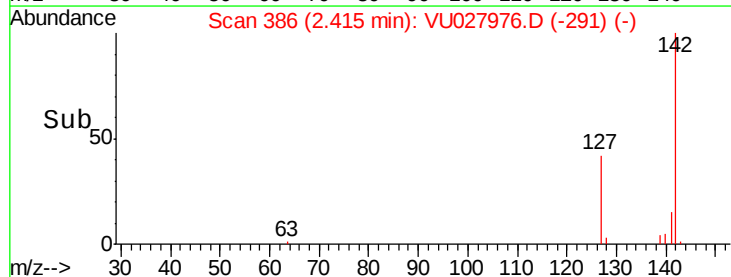
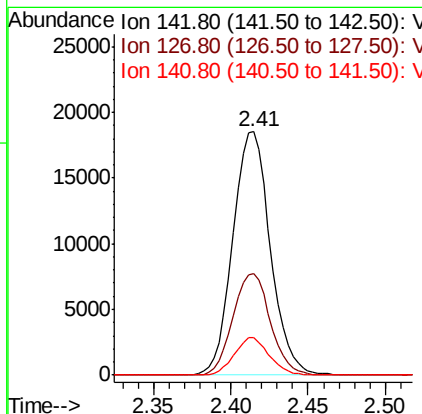
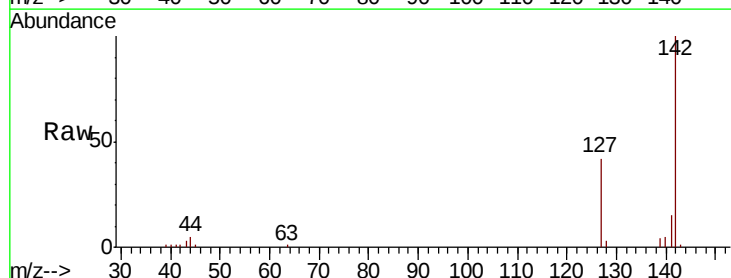
RT: 2.41 min Scan# 386

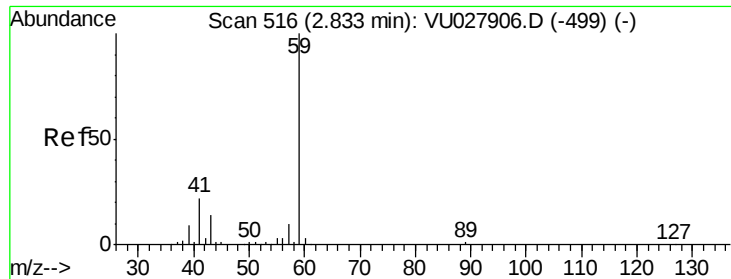
Delta R.T. 0.01 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	142	Resp:	31113
Ion Ratio	Lower	Upper	
142	100		
127	41.4	35.2	52.8
141	14.2	11.8	17.8





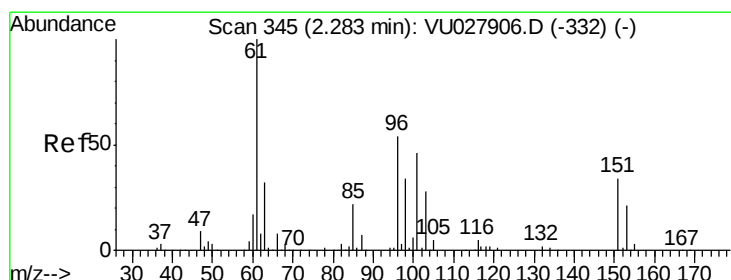
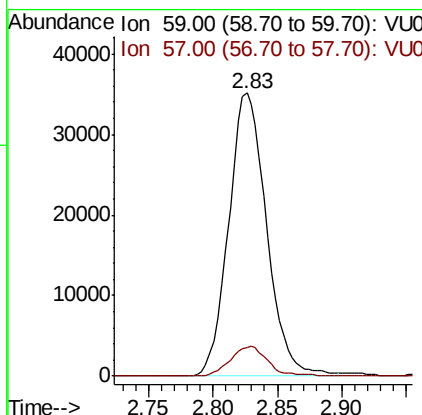
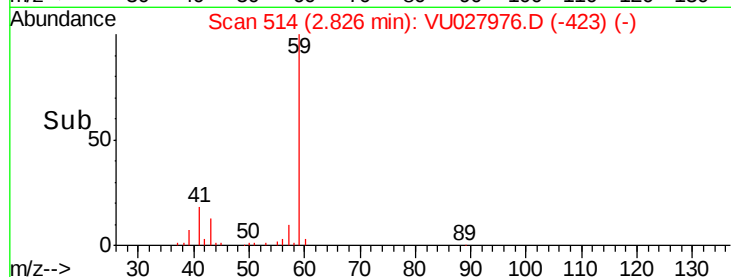
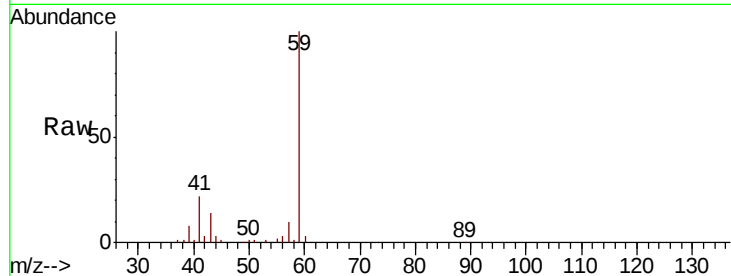
#11
Tert butyl alcohol
Concen: 92.008 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion: 59 Resp: 71778
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8

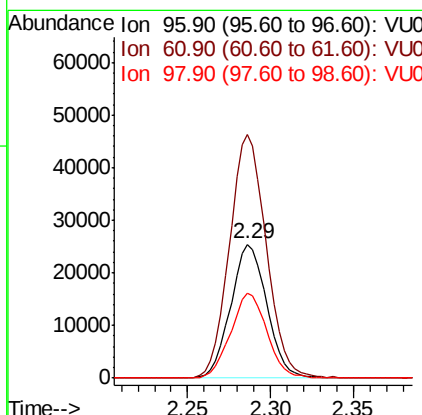
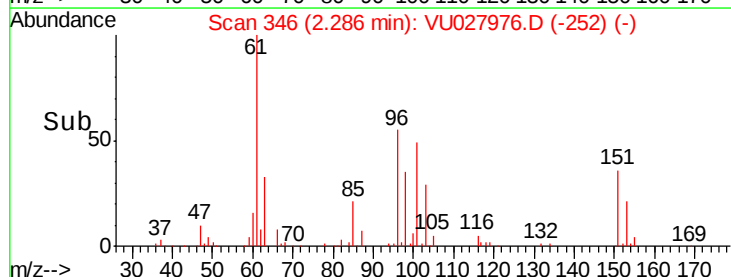
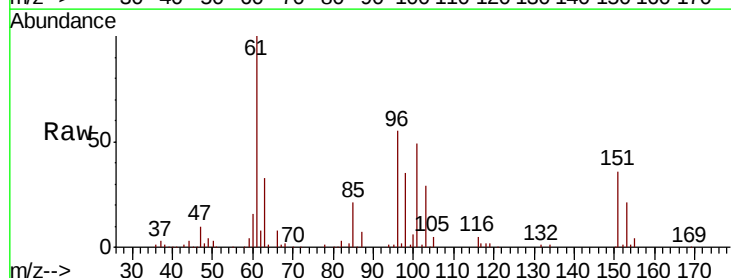
Manual Integrations
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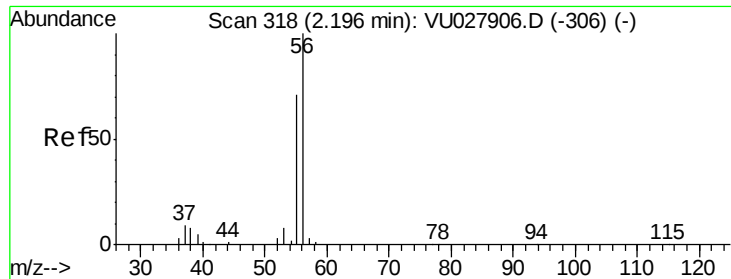
MMDadoda
11/6/2018 5:42:39 PM



#12
1,1-Dichloroethene
Concen: 18.556 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion: 96 Resp: 38546
Ion Ratio Lower Upper
96 100
61 182.3 149.3 223.9
98 63.9 50.6 75.8





#13

Acrolein

Concen: 123.441 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 56 Resp: 36410

Ion Ratio Lower Upper

56 100

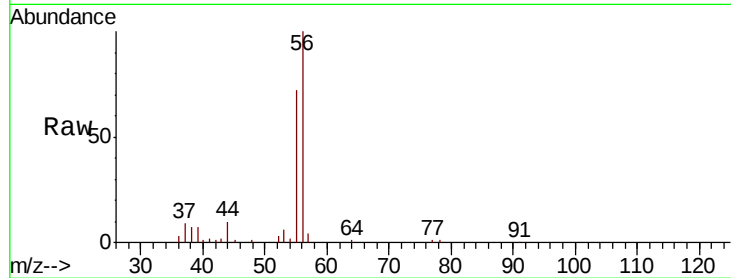
55 71.9 56.2 84.4

Manual Integrations

APPROVED

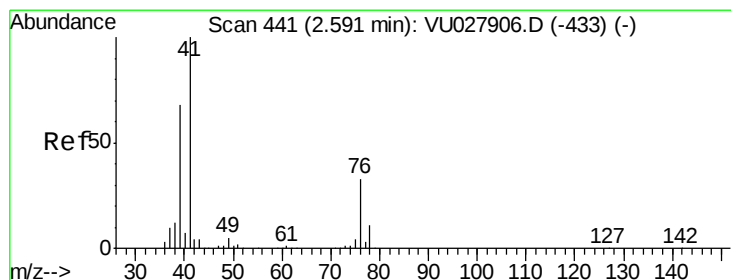
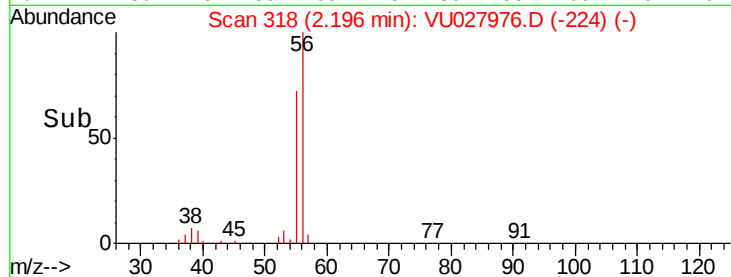
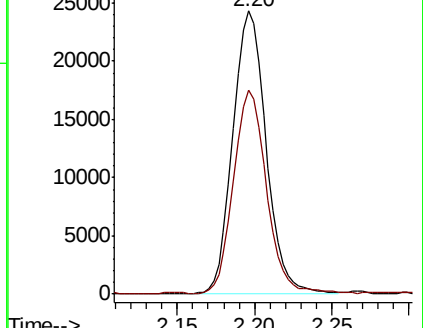
MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 56.00 (55.70 to 56.70): VU027976.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU027976.D (-306) (-)



#14

Allyl chloride

Concen: 18.203 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

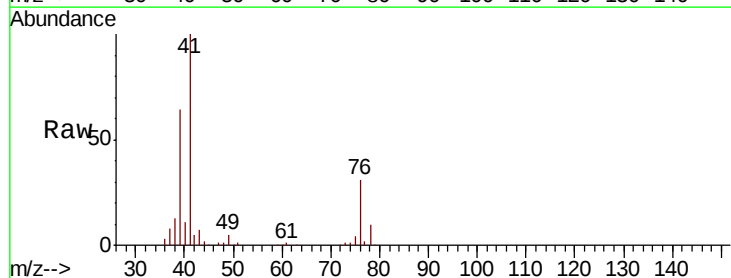
Tgt Ion: 41 Resp: 92416

Ion Ratio Lower Upper

41 100

39 63.8 51.9 77.9

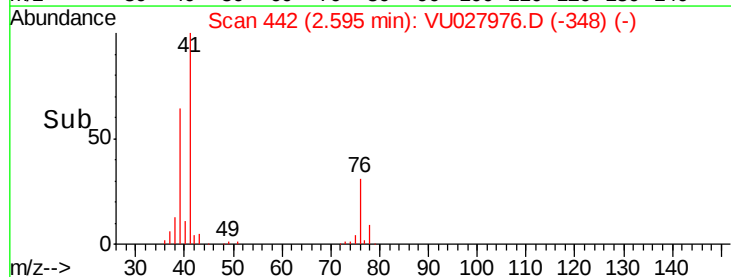
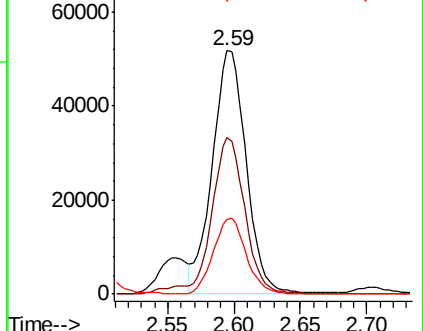
76 30.0 23.8 35.6

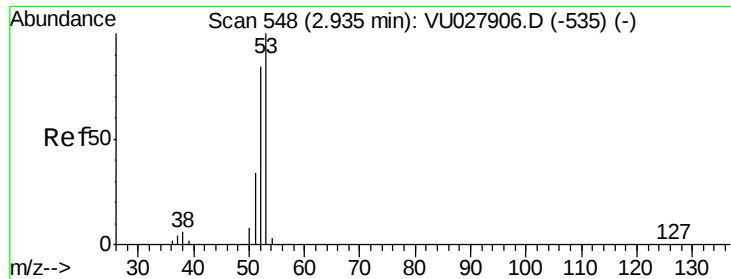


Abundance Ion 41.00 (40.70 to 41.70): VU027976.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU027976.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU027976.D (-433) (-)





#15

Acrylonitrile

Concen: 98.085 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

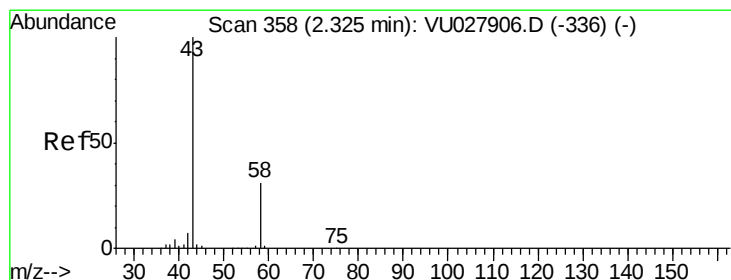
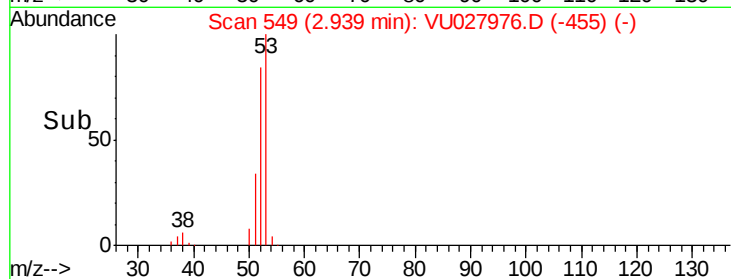
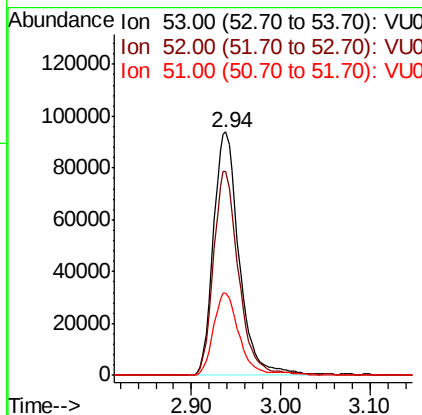
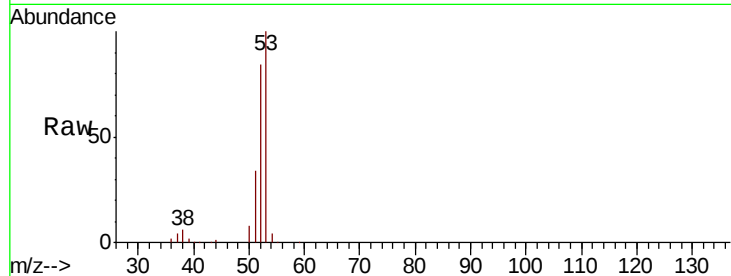
ClientSampleId :

VU1106WBS01

Tot Ion:	53	Resp:	187961
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	32.9	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 91.564 ug/l

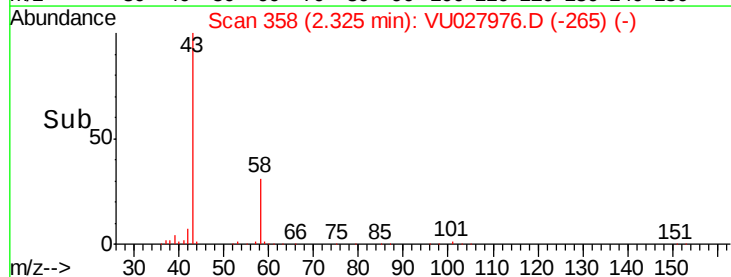
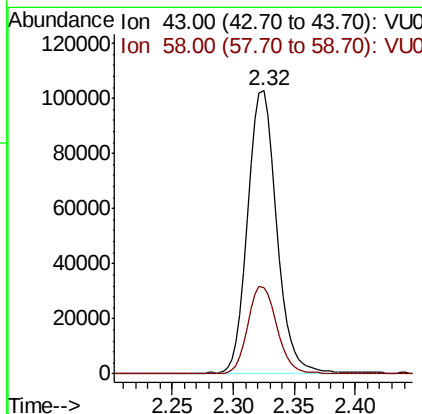
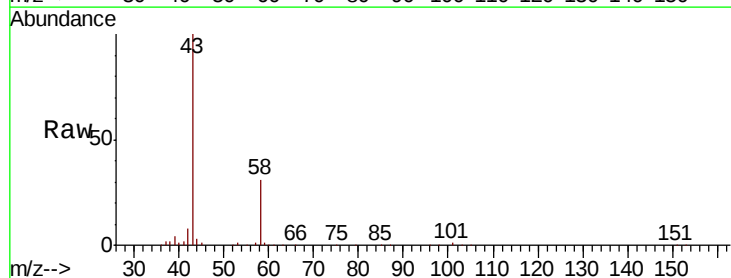
RT: 2.32 min Scan# 358

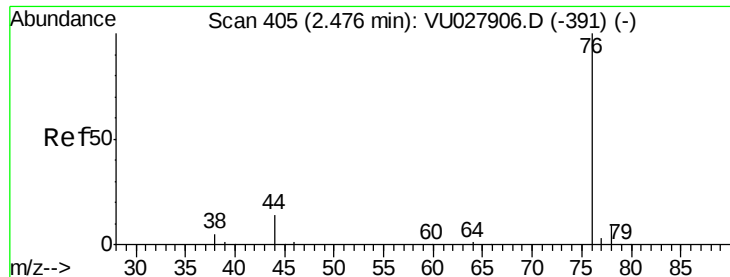
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	43	Resp:	167410
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.6	37.0





#17

Carbon Disulfide

Concen: 17.210 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 76 Resp: 116856

Ion Ratio Lower Upper

76 100

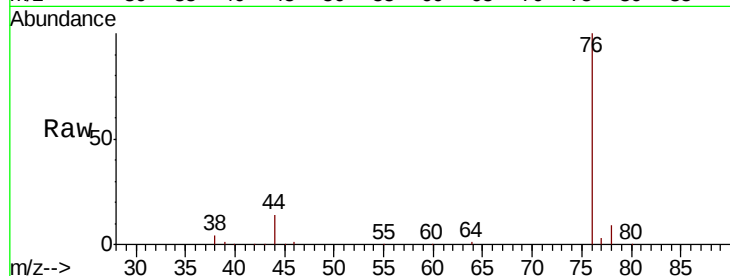
78 9.1 7.4 11.0

Manual Integrations

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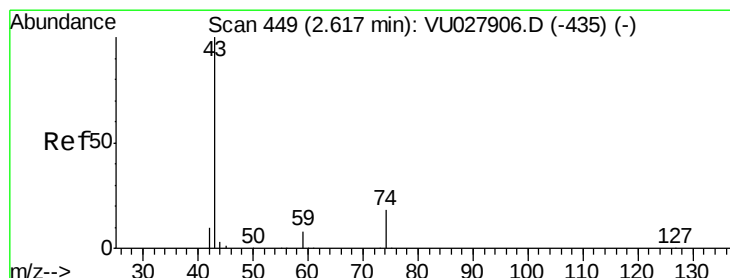
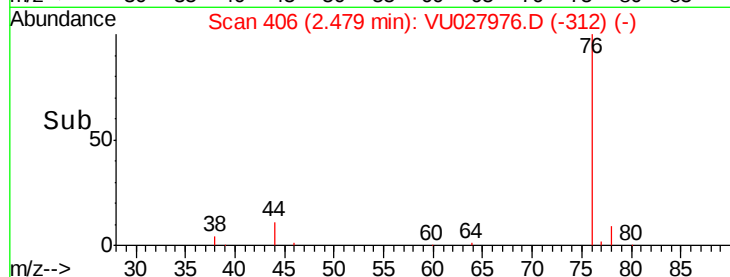
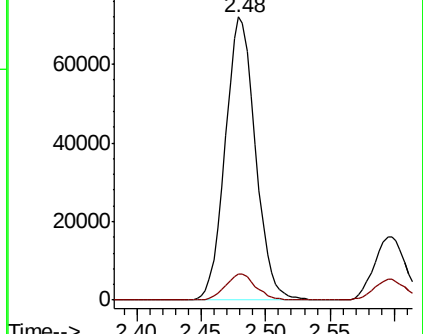
MMDadoda

11/6/2018 5:42:39 PM



Abundance Ion 75.90 (75.60 to 76.60): VU027976.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027976.D (-391) (-)



#18

Methyl Acetate

Concen: 18.688 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027976.D

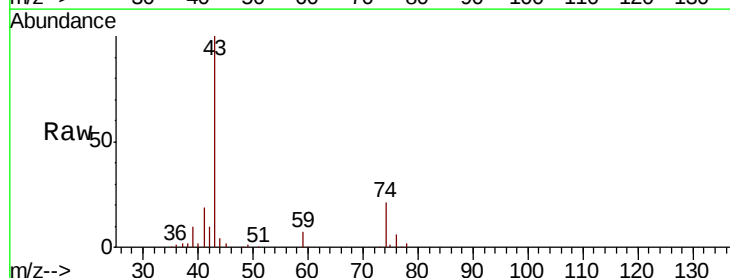
Acq: 06 Nov 2018 10:58

Tgt Ion: 43 Resp: 93990

Ion Ratio Lower Upper

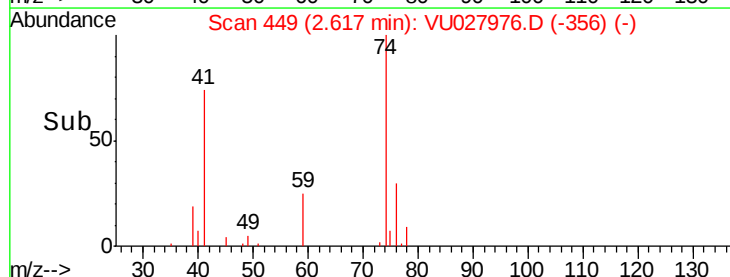
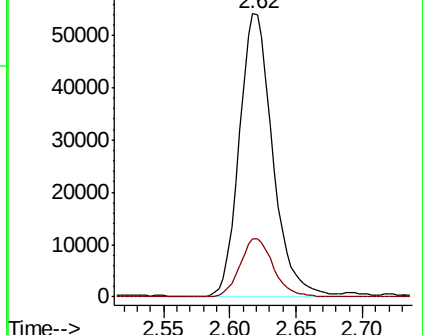
43 100

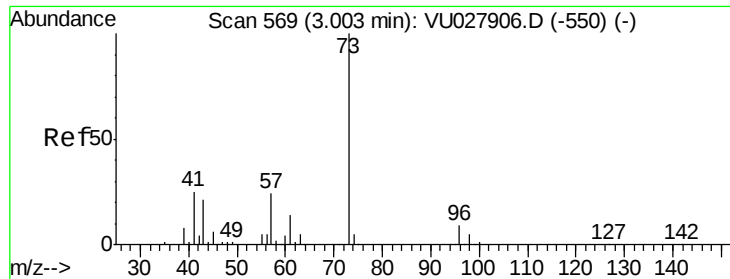
74 20.9 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027976.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027976.D (-356) (-)





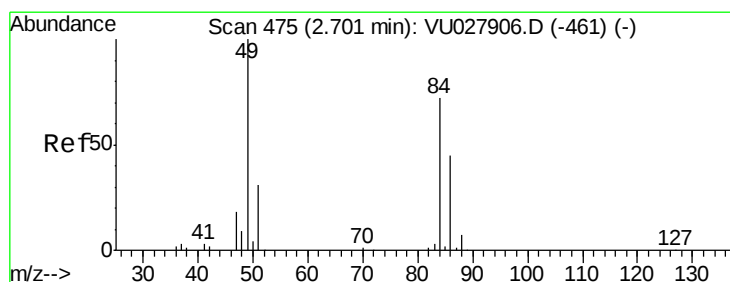
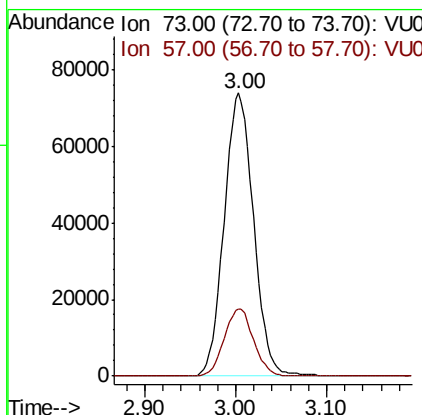
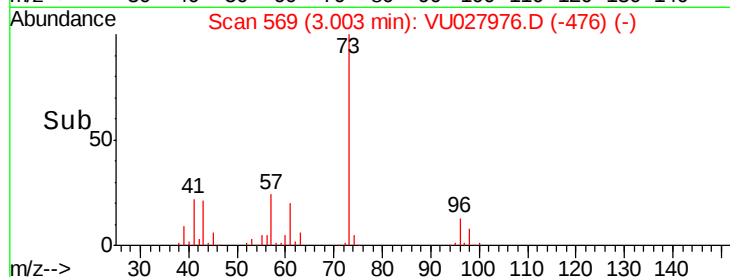
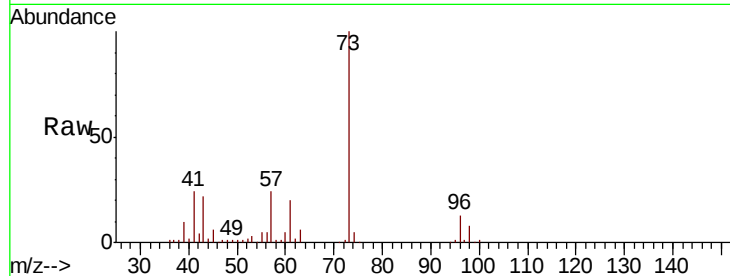
#19
Methvl tert-butvl Ether
Concen: 19.791 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	73	Resp	165794
Ion Ratio	100	Lower	Upper
73	100	19.3	28.9
57	23.8		

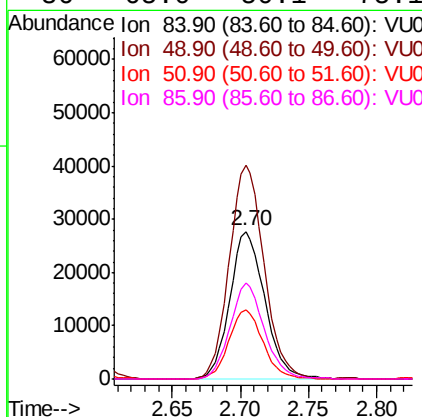
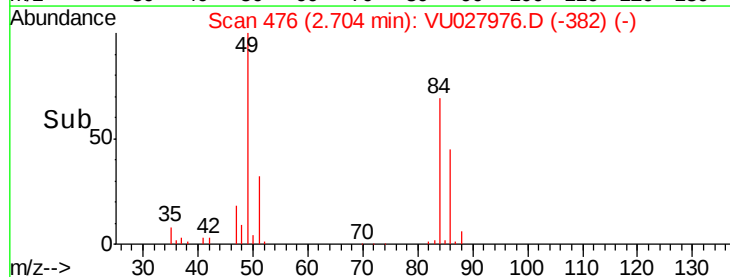
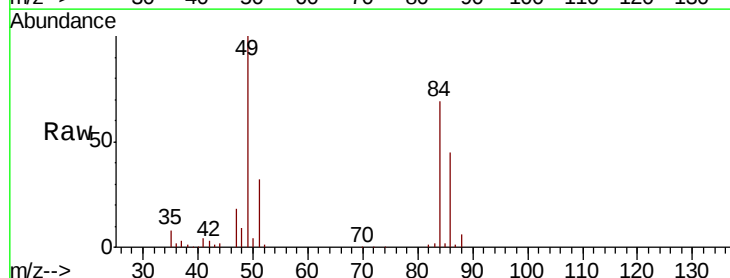
Manual Integrations
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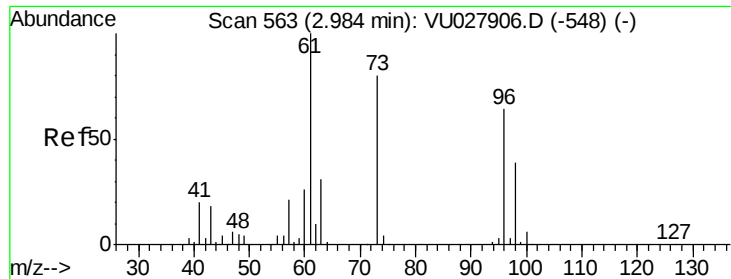
MMDadoda
11/6/2018 5:42:39 PM



#20
Methylene Chloride
Concen: 18.540 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	84	Resp	49492
Ion Ratio	100	Lower	Upper
84	100	111.6	167.4
49	145.1	34.8	52.2
51	46.6	50.1	75.1
86	65.0		





#21

trans-1,2-Dichloroethene

Concen: 17.933 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 96 Resp: 42992

Ion Ratio Lower Upper

96 100

61 157.8 125.0 187.6

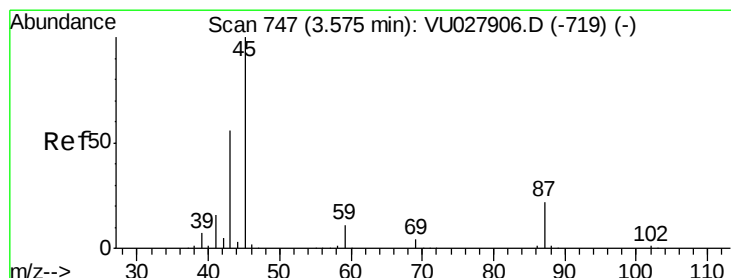
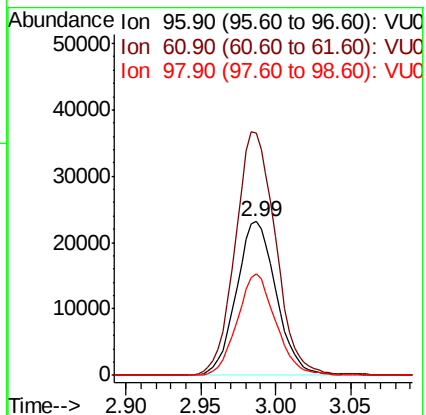
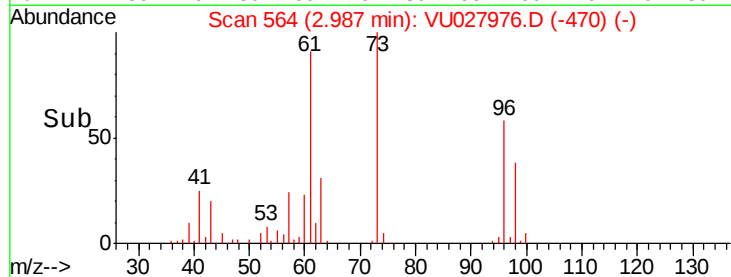
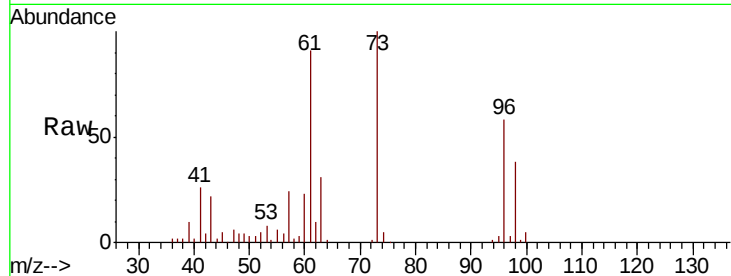
98 66.2 48.2 72.4

Manual Integrations

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MMDadoda

11/6/2018 5:42:39 PM



#22

Diisopropyl ether

Concen: 19.331 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion: 45 Resp: 202625

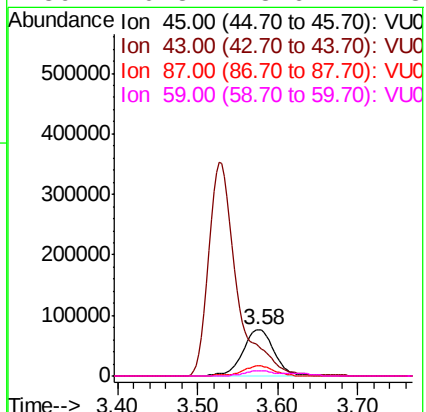
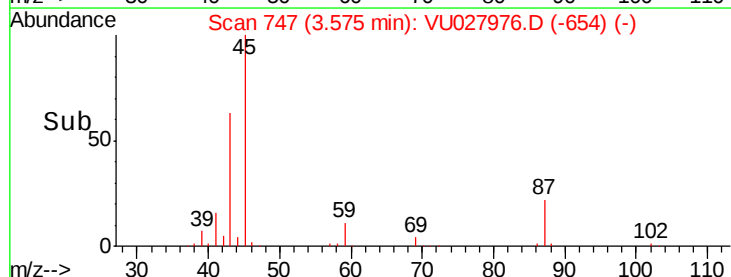
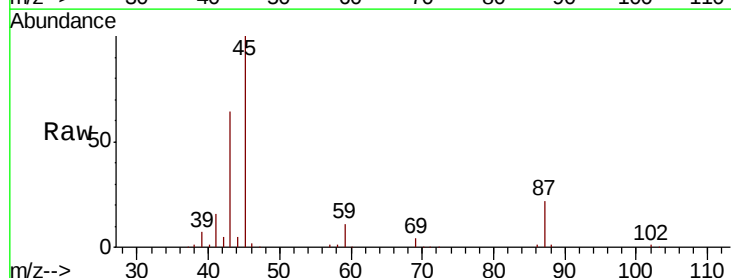
Ion Ratio Lower Upper

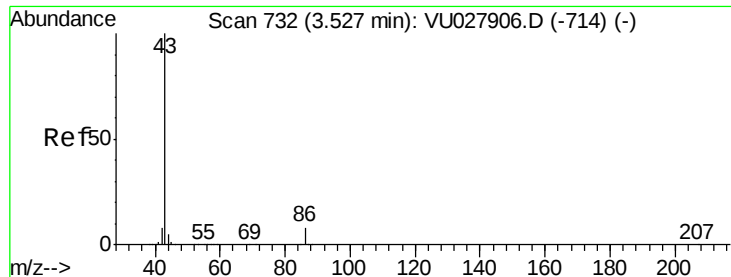
45 100

43 62.4 45.0 67.6

87 21.6 17.9 26.9

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 96.304 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 43 Resp: 867531

Ion Ratio Lower Upper

43 100

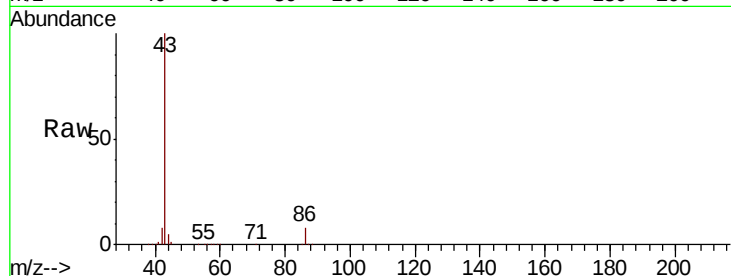
86 8.2 6.6 9.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

400000

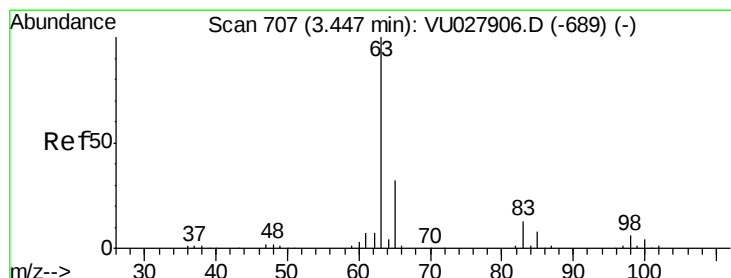
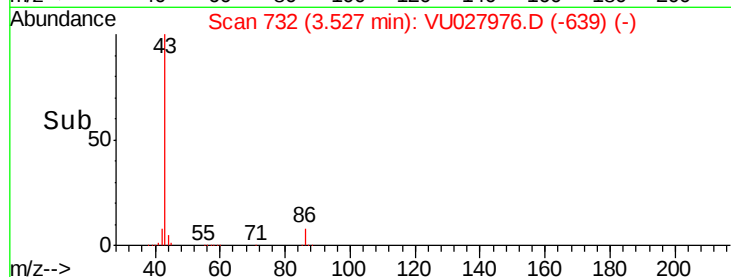
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.684 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

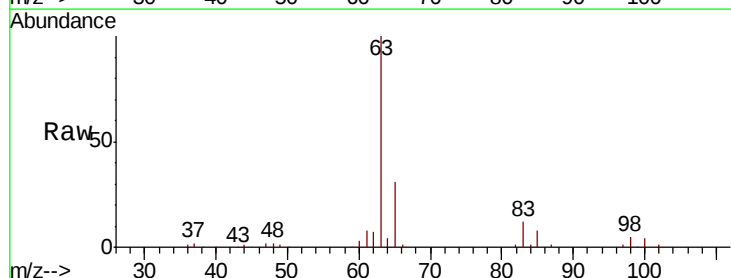
Tgt Ion: 63 Resp: 97547

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

60000

50000

40000

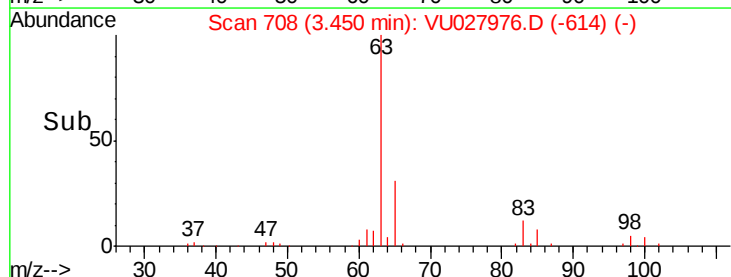
30000

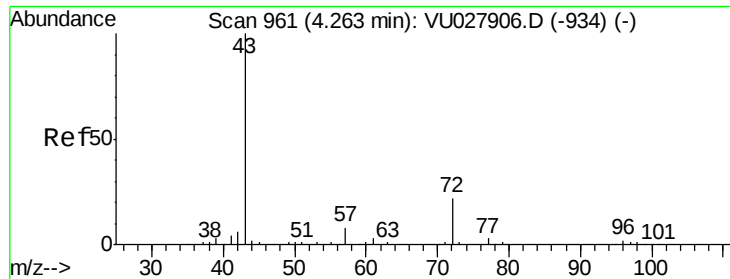
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.246 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 43 Resp: 274133

Ion Ratio Lower Upper

43 100

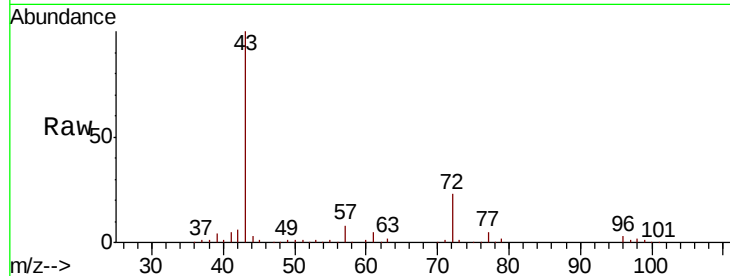
72 22.7 17.7 26.5

Manual Integrations

APPROVED

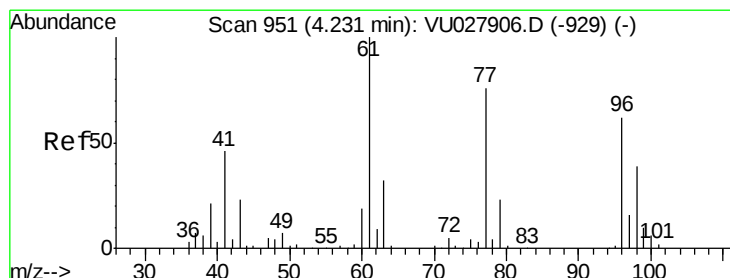
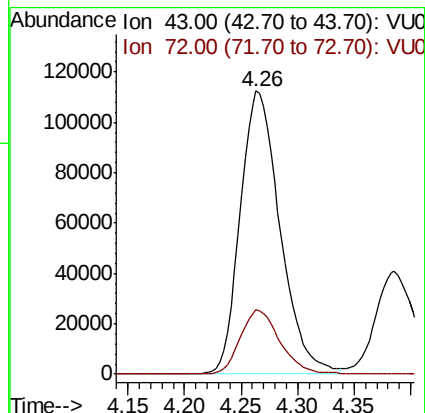
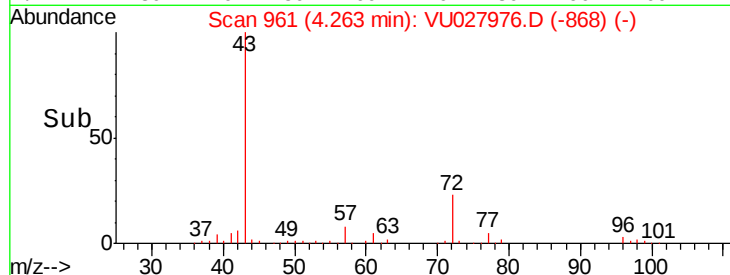
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU027976.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027976.D (-868) (-)



#26

2,2-Dichloropropane

Concen: 19.171 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027976.D

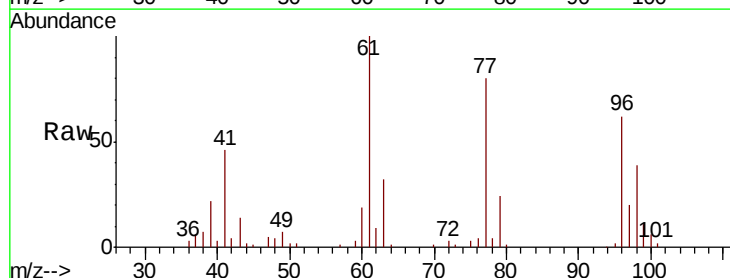
Acq: 06 Nov 2018 10:58

Tgt Ion: 77 Resp: 75115

Ion Ratio Lower Upper

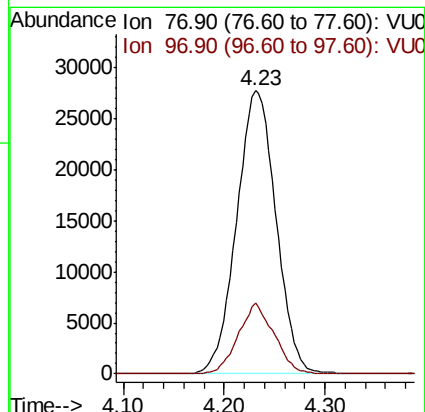
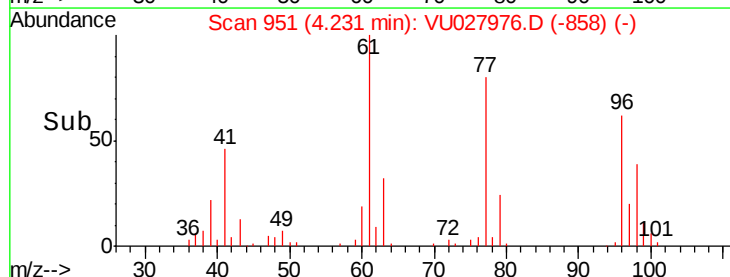
77 100

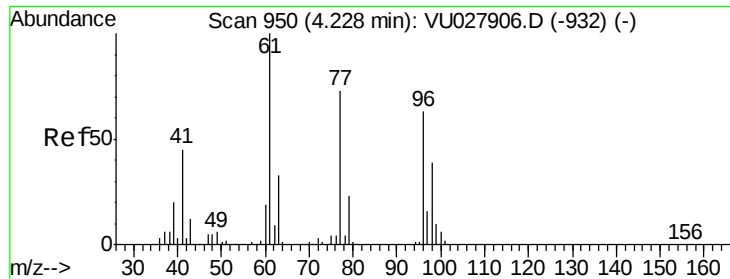
97 22.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027976.D (-858) (-)

Ion 96.90 (96.60 to 97.60): VU027976.D (-858) (-)





#27

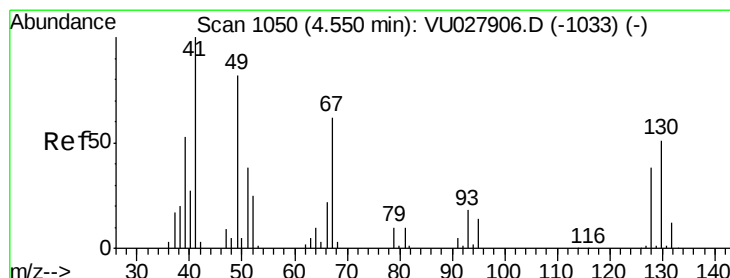
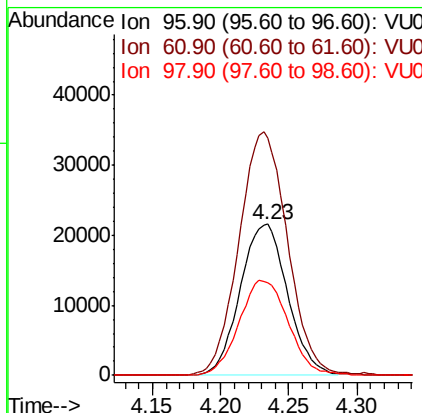
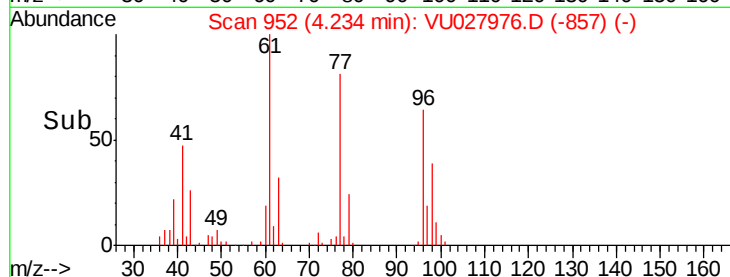
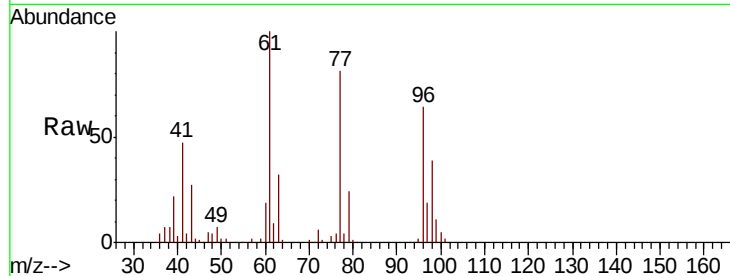
cis-1,2-Dichloroethene
Concen: 19.357 ug/l
RT: 4.23 min Scan# 952
Delta R.T. 0.01 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.4	0.0	329.6
98	65.4	0.0	127.2

Manual Integrations
APPROVED

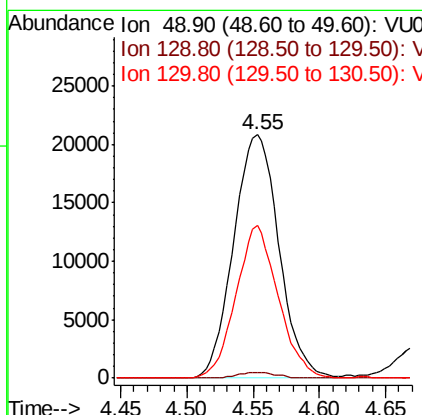
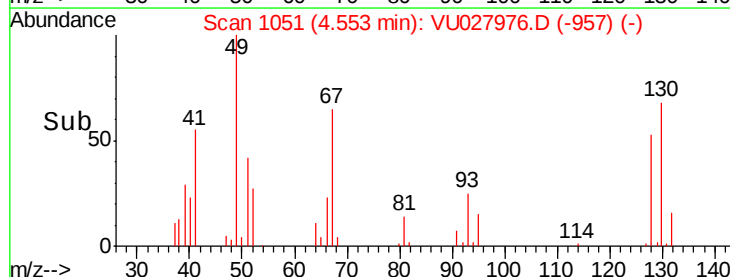
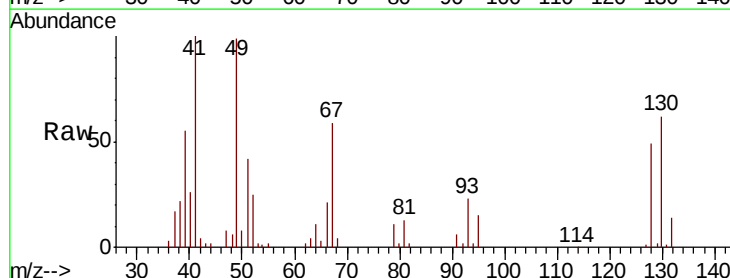
MMDadoda
11/6/2018 5:42:39 PM

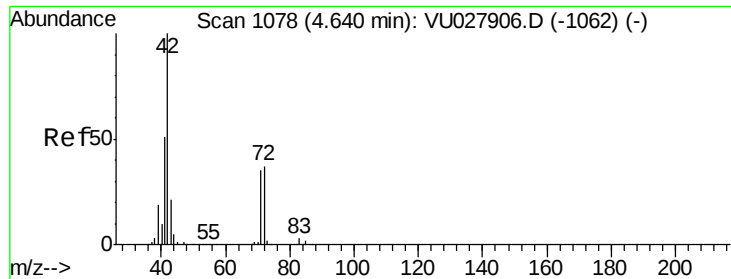


#28

Bromochloromethane
Concen: 20.246 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.0
130	58.2	47.8	71.6





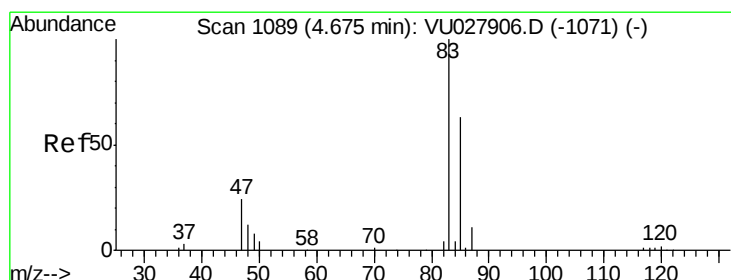
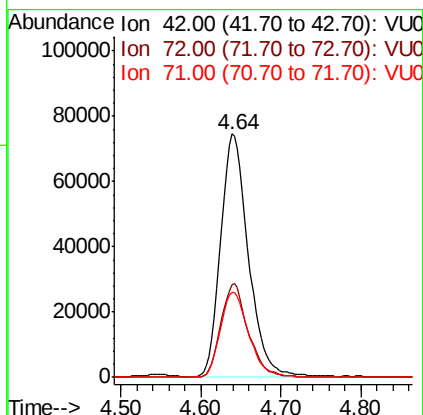
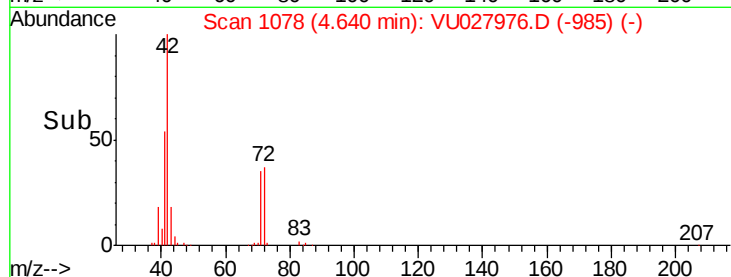
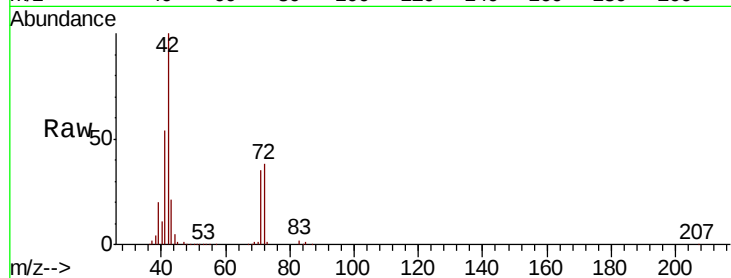
#29
Tetrahydrofuran
Concen: 92.330 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	29.4	44.0
71	35.4	27.9	41.9

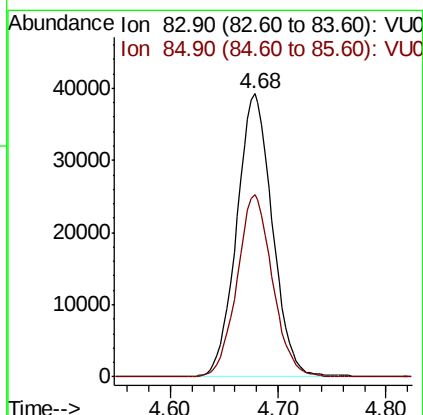
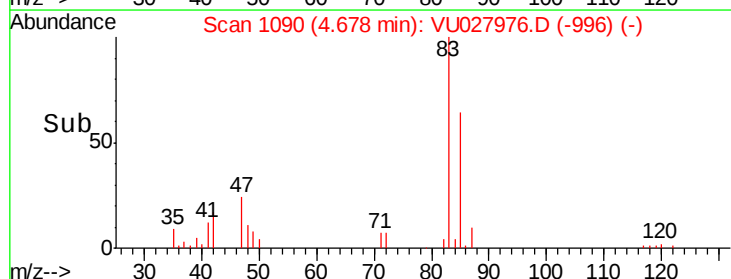
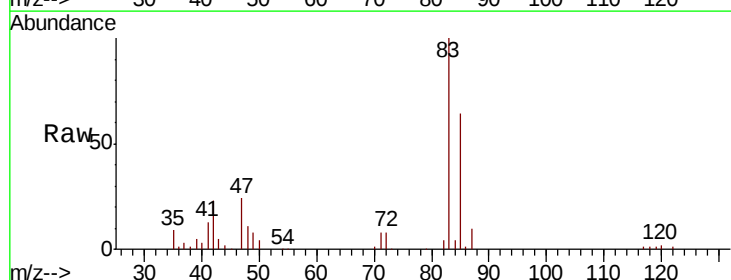
Manual Integrations
APPROVED

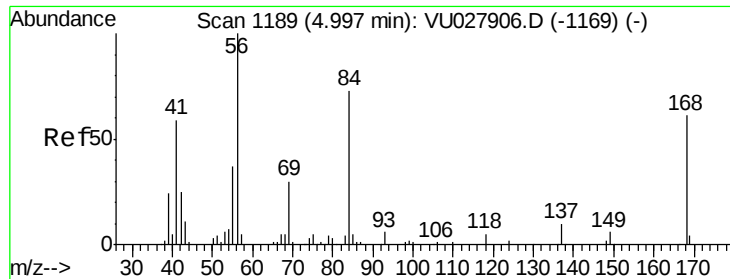
MMDadoda
11/6/2018 5:42:39 PM



#30
Chloroform
Concen: 18.842 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0





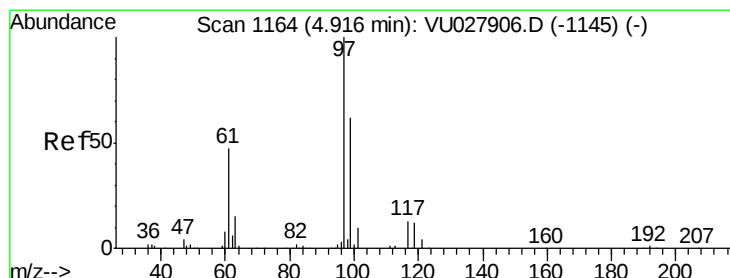
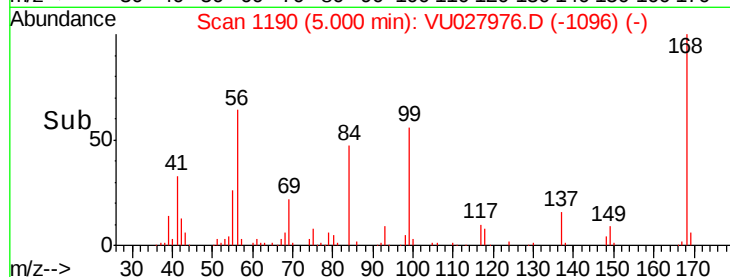
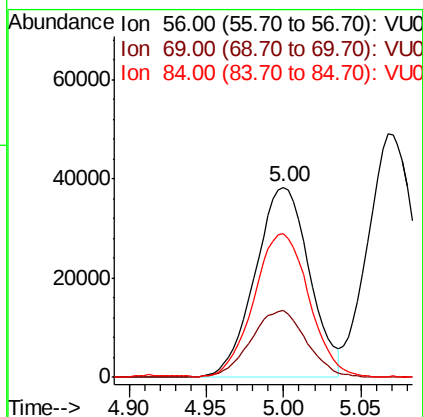
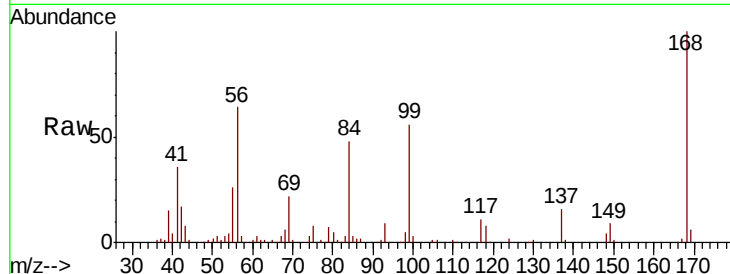
#31
Cyclohexane
Concen: 17.193 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	23.7	35.5
84	75.0	58.2	87.4

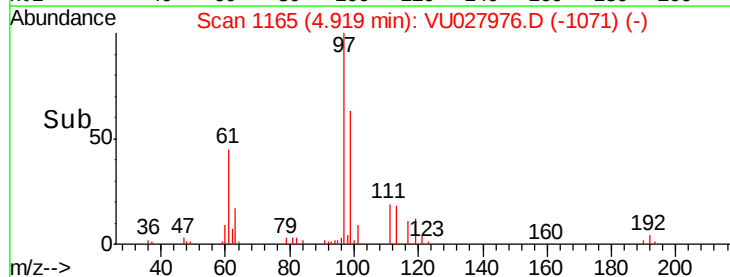
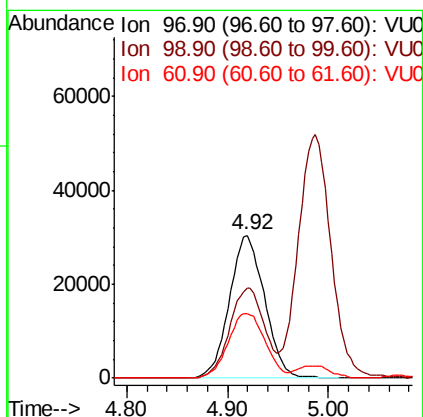
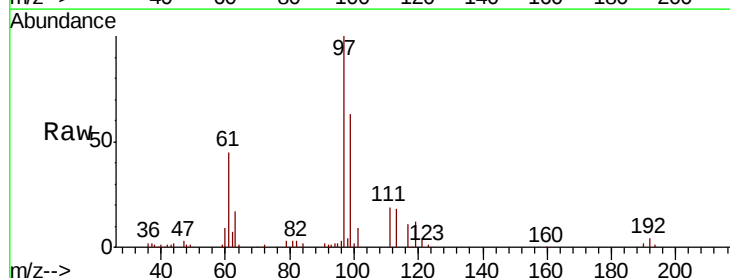
Manual Integrations
APPROVED

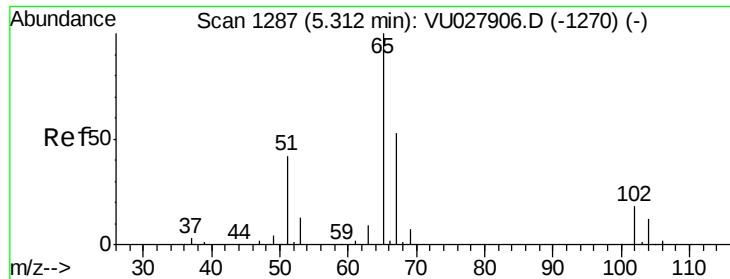
MMDadoda
11/6/2018 5:42:39 PM



#32
1,1,1-Trichloroethane
Concen: 19.337 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
97	100		
61	61.9	50.5	75.7
111	47.9	38.3	57.5





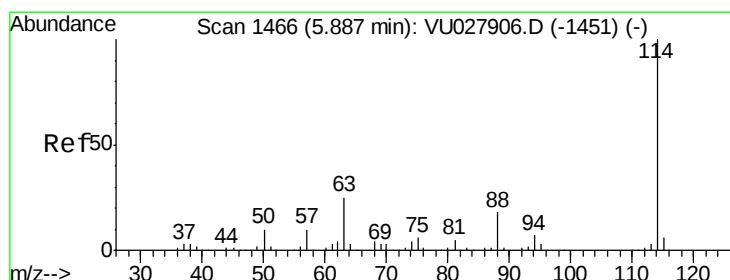
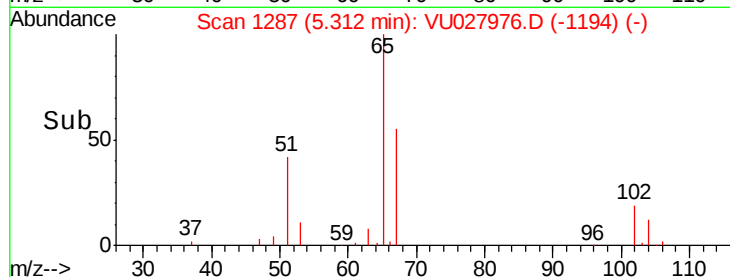
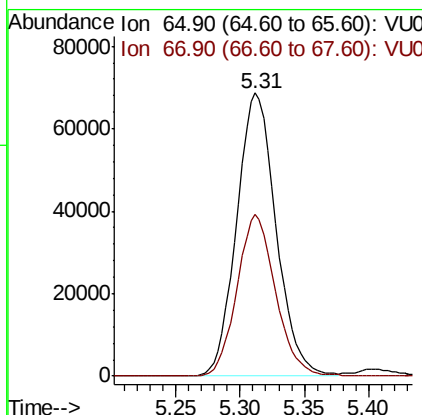
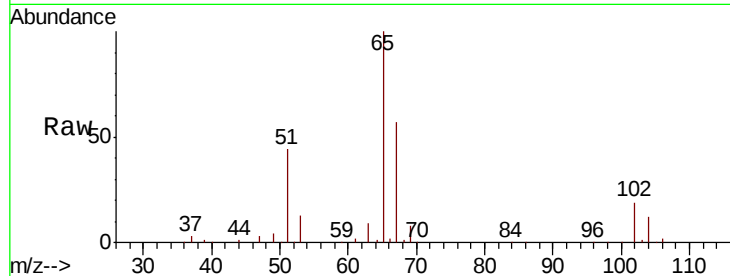
#33
 1,2-Dichloroethane-d4
 Concen: 49.535 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145973		
67	55.8	0.0	109.0	

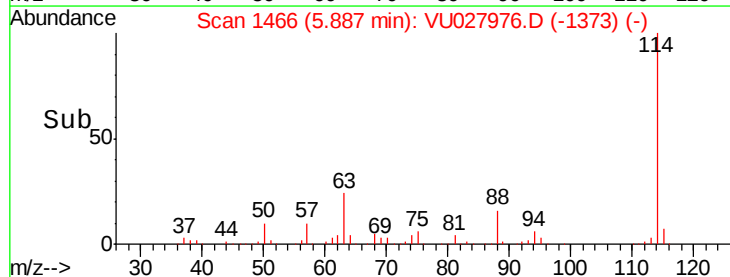
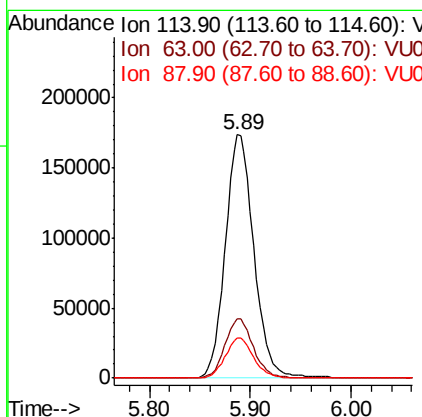
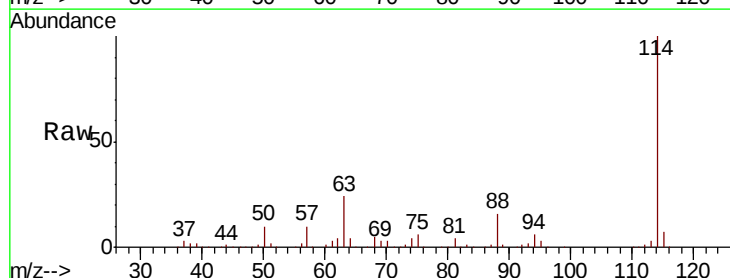
Manual Integrations
 APPROVED

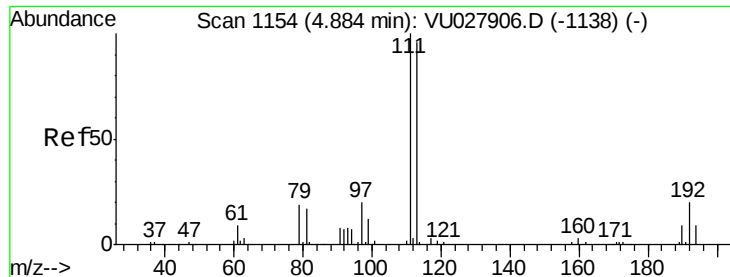
MMDadoda
 11/6/2018 5:42:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	343627		
63	24.3	0.0	50.8	
88	16.3	0.0	35.8	





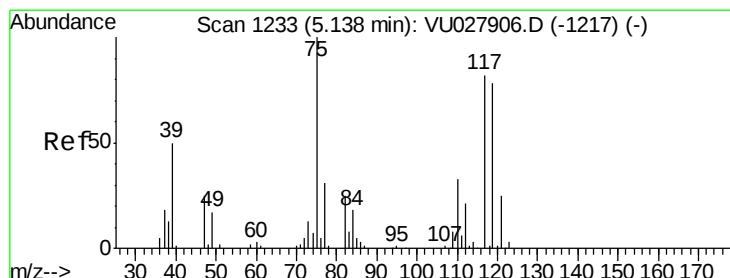
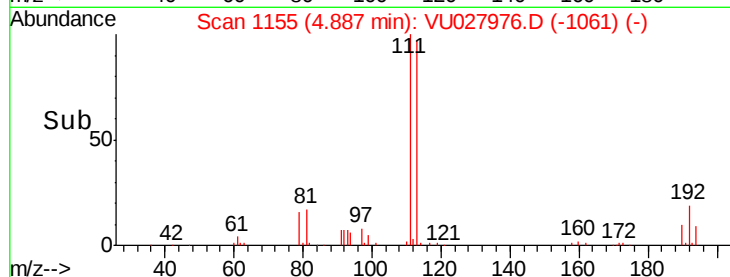
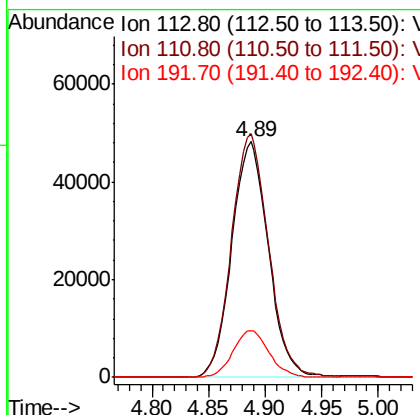
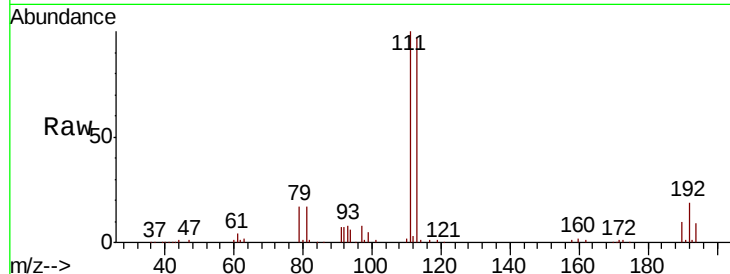
#35
 Dibromofluoromethane
 Concen: 50.222 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.3	83.0	124.6	
192	19.5	15.6	23.4	

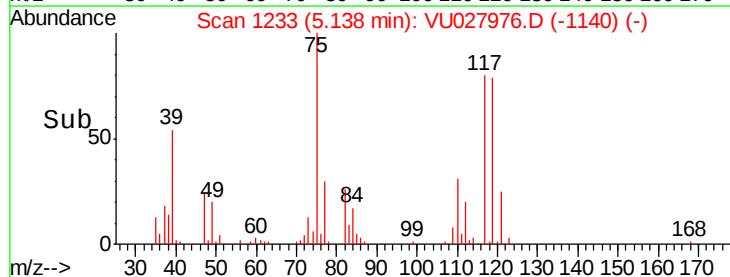
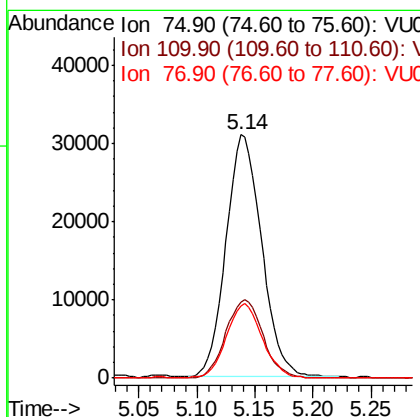
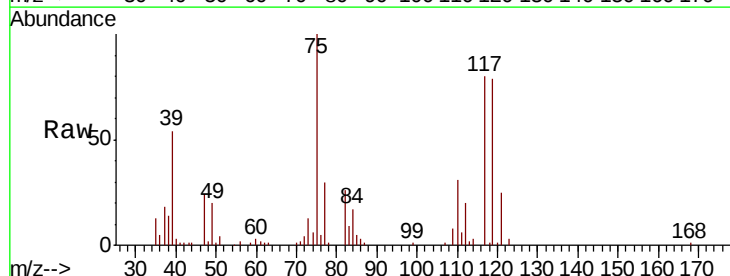
Manual Integrations
 APPROVED

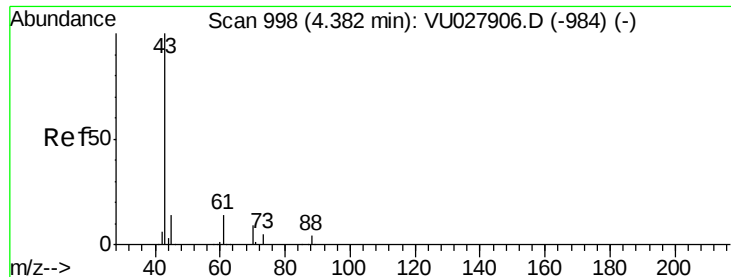
MMDadoda
 11/6/2018 5:42:39 PM



#36
 1,1-Dichloropropene
 Concen: 18.396 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.6	16.5	49.5	
77	30.8	24.9	37.3	





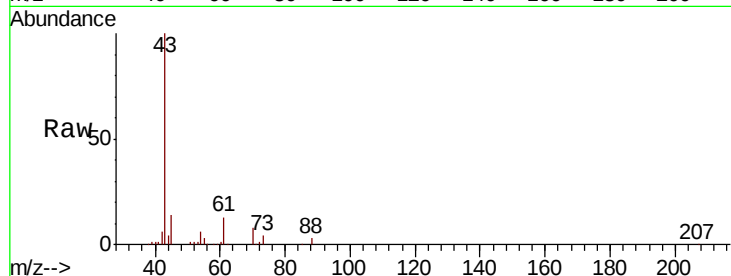
#37
Ethyl Acetate
Concen: 19.028 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	4.4	7.0	10.6

Manual Integrations
APPROVED

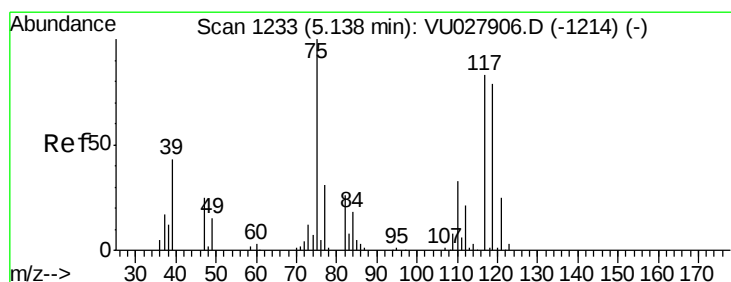
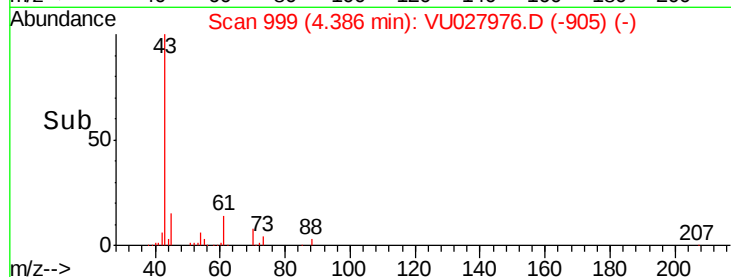
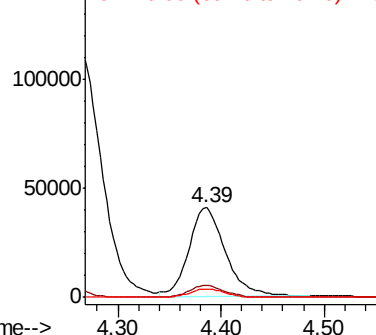
MMDadoda
11/6/2018 5:42:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027976.D (-905) (-)

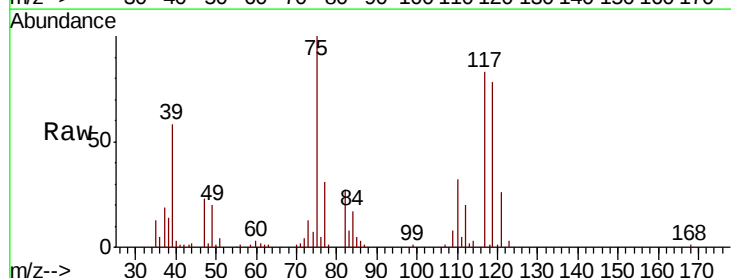
Ion 60.90 (60.60 to 61.60): VU027976.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027976.D (-905) (-)



#38
Carbon Tetrachloride
Concen: 18.539 ug/l
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

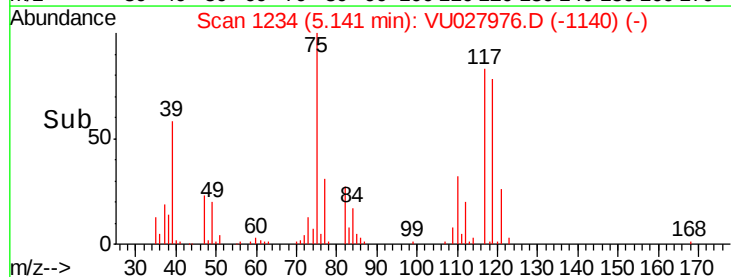
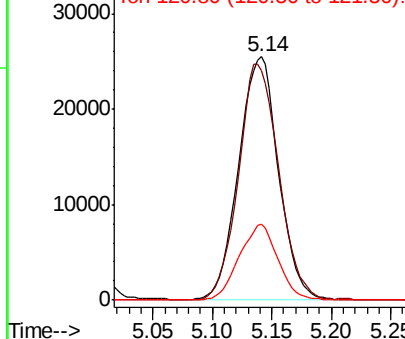
Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.0	114.0
121	31.2	24.5	36.7

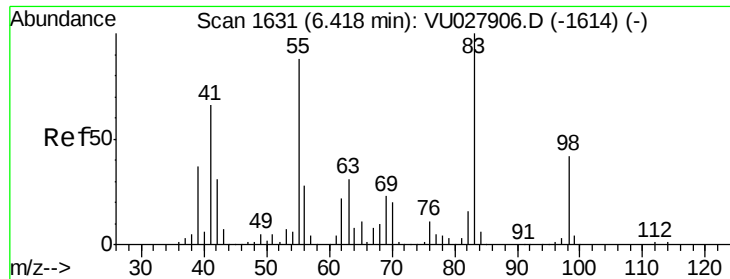


Abundance Ion 116.80 (116.50 to 117.50): VU027976.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027976.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027976.D (-1140) (-)





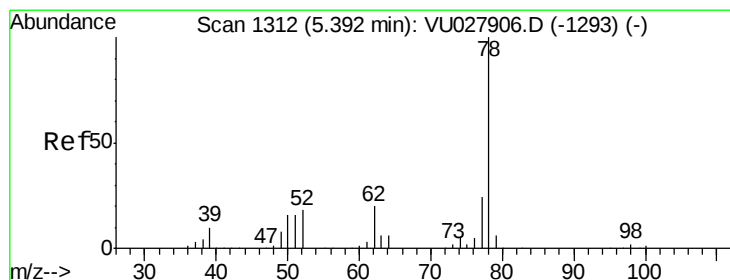
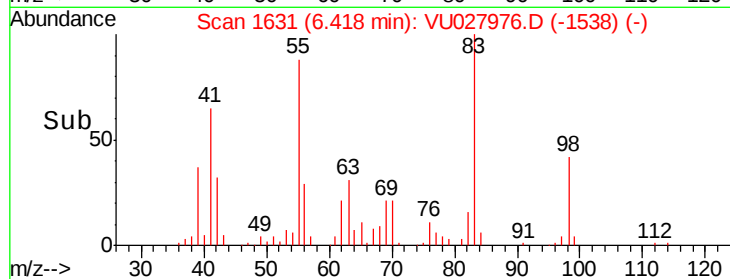
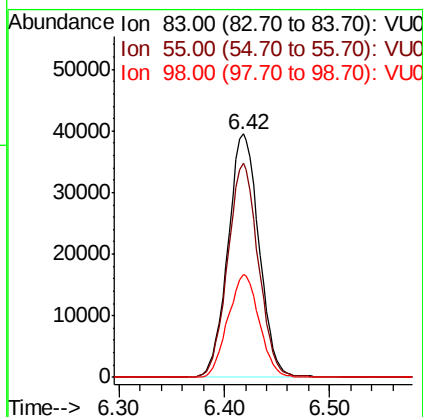
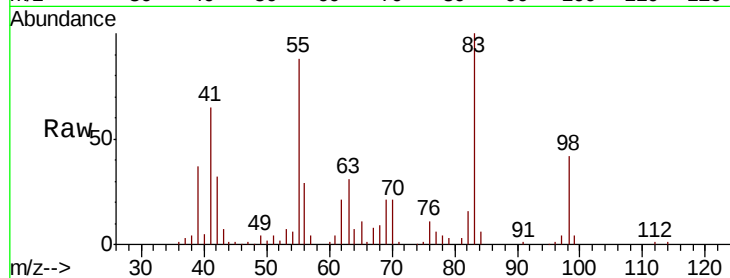
#39
Methylvlcvclohexane
Concen: 18.582 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	70.3	105.5
98	42.1	34.0	51.0

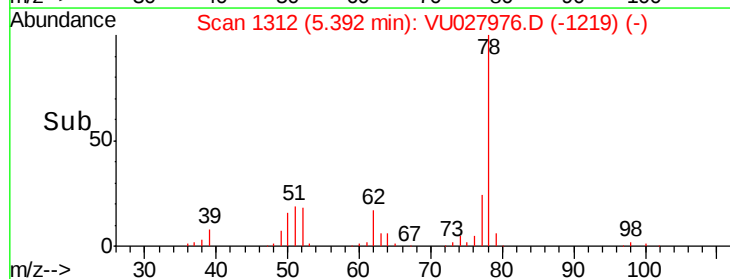
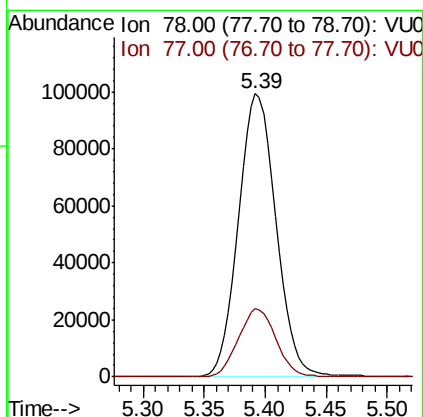
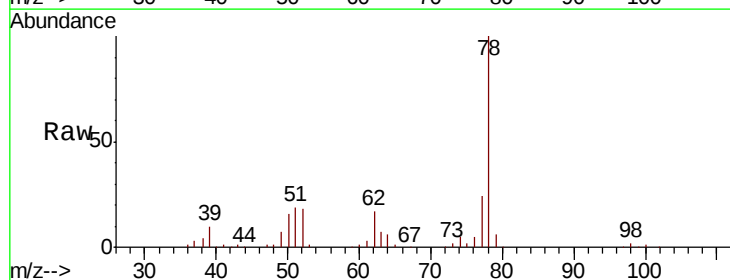
Manual Integrations
APPROVED

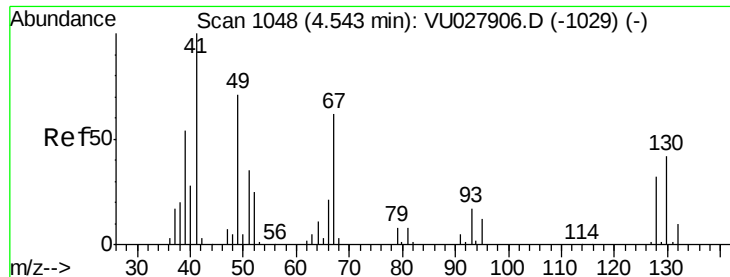
MMDadoda
11/6/2018 5:42:39 PM



#40
Benzene
Concen: 19.247 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





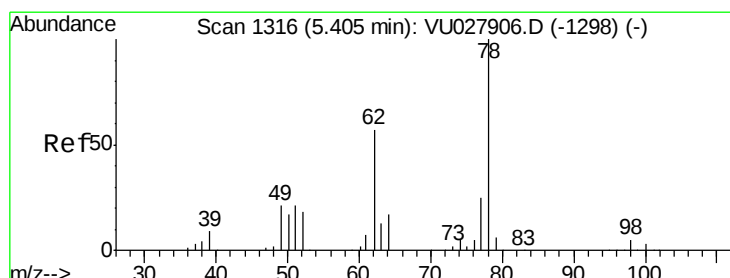
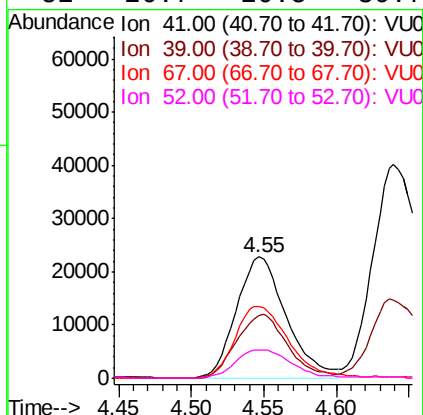
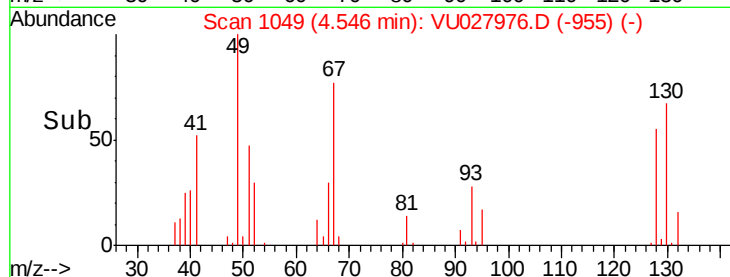
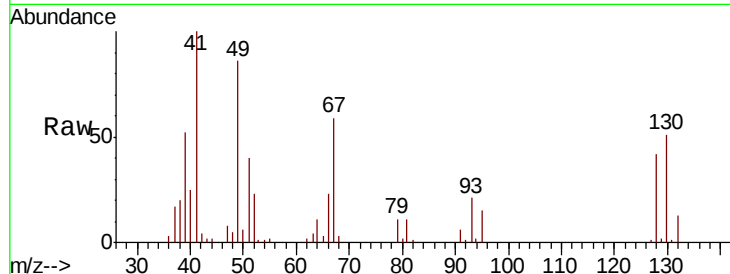
#41
Methacrylonitrile
Concen: 19.451 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.2	63.4	
67	63.2	49.5	74.3	
52	26.7	20.5	30.7	

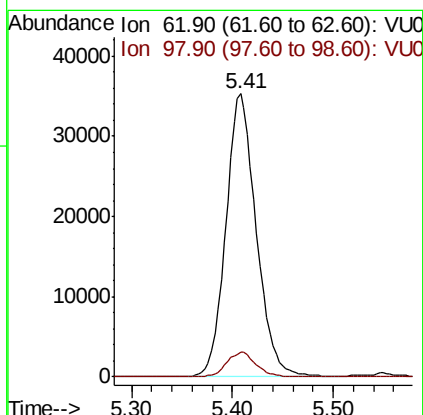
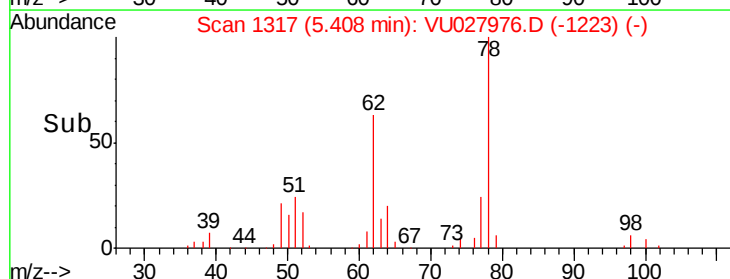
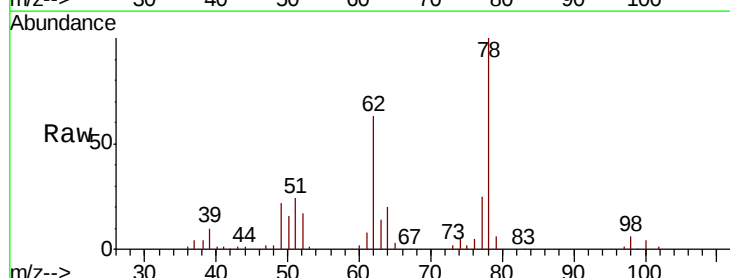
Manual Integrations
APPROVED

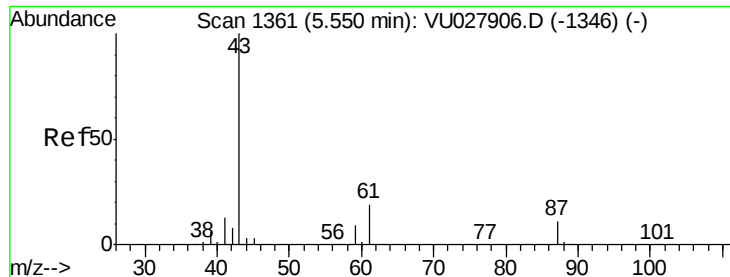
MMDadoda
11/6/2018 5:42:39 PM



#42
1,2-Dichloroethane
Concen: 18.917 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





#43

Isopropyl Acetate

Concen: 19.431 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

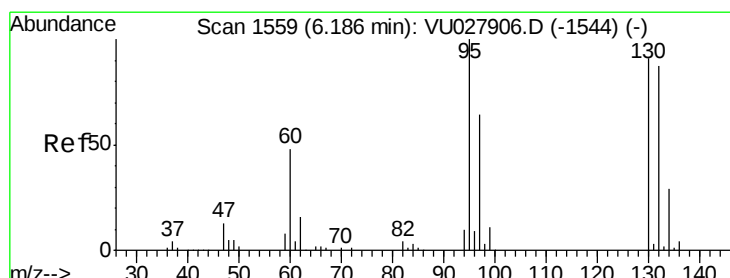
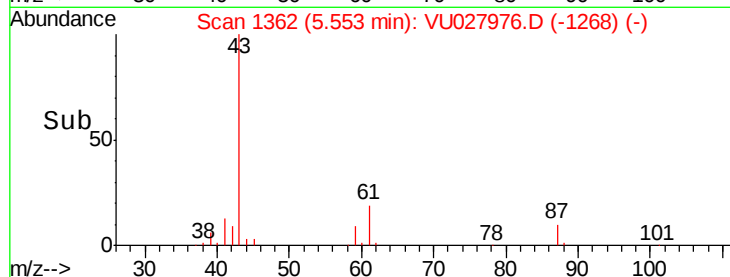
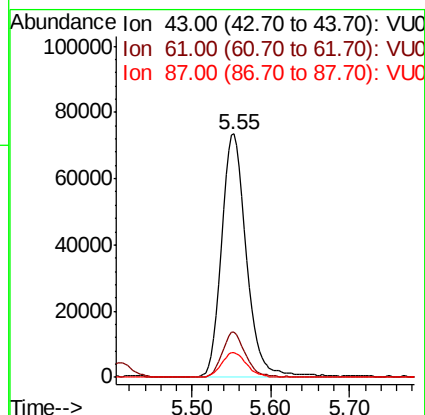
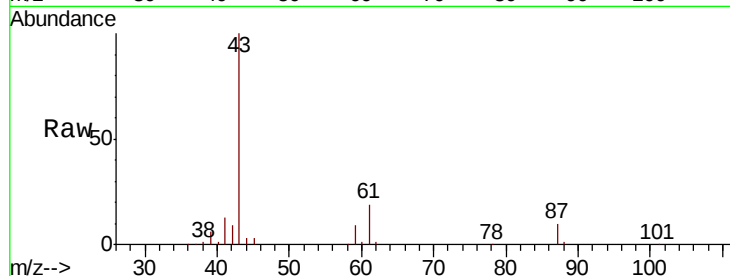
ClientSampleId :

VU1106WBS01

Tot Ion:	43	Resp:	160528
Ion	Ratio	Lower	Upper
43	100		
61	17.2	15.0	22.4
87	10.2	8.6	12.8

Manual Integrations
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MMDadoda
11/6/2018 5:42:39 PM



#44

Trichloroethene

Concen: 19.099 ug/l

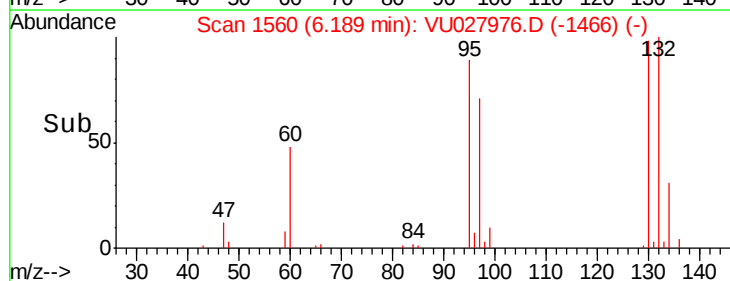
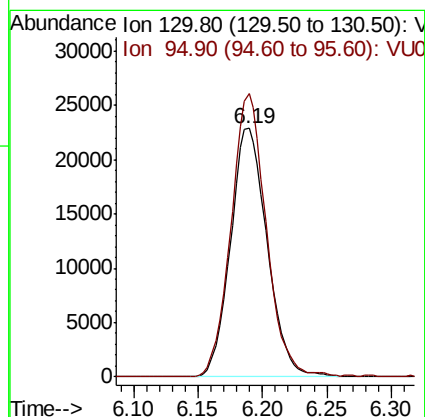
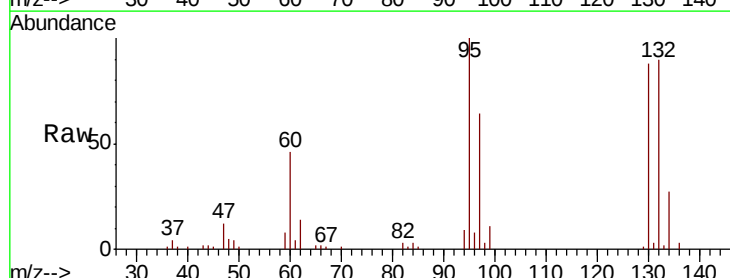
RT: 6.19 min Scan# 1560

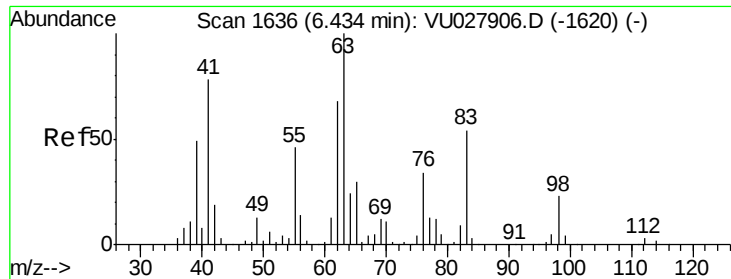
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	130	Resp:	45174
Ion	Ratio	Lower	Upper
130	100		
95	114.0	0.0	219.2





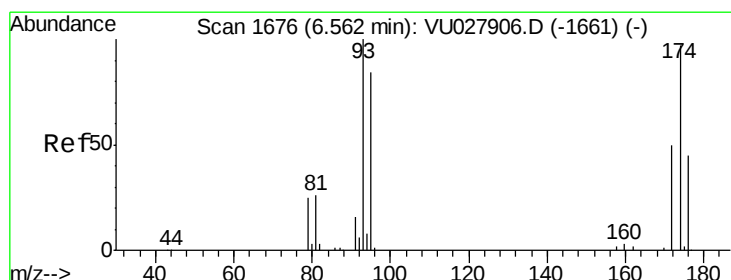
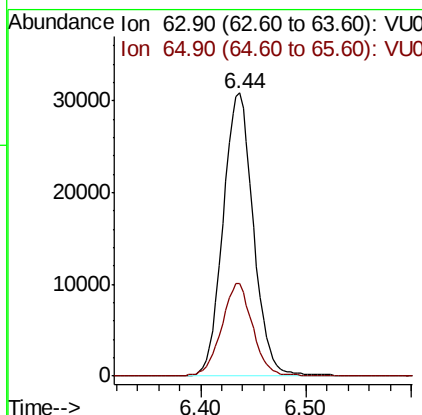
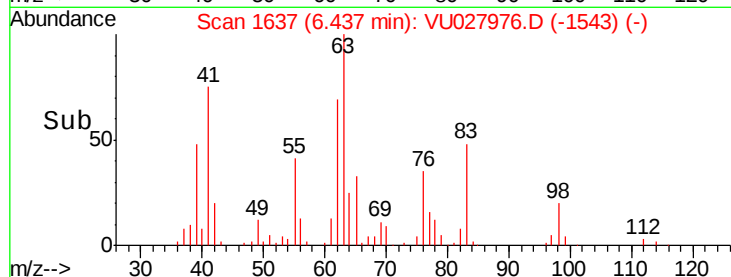
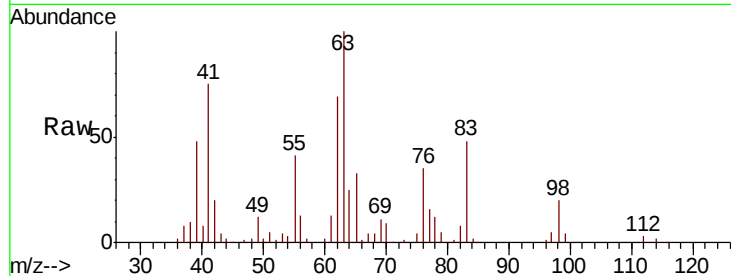
#45
 1,2-Dichloropropane
 Concen: 19.366 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion: 63 Resp: 61453
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.4 36.6

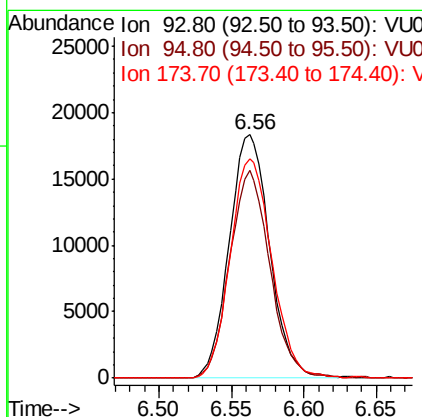
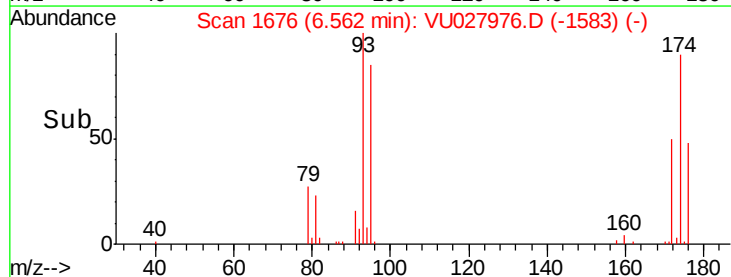
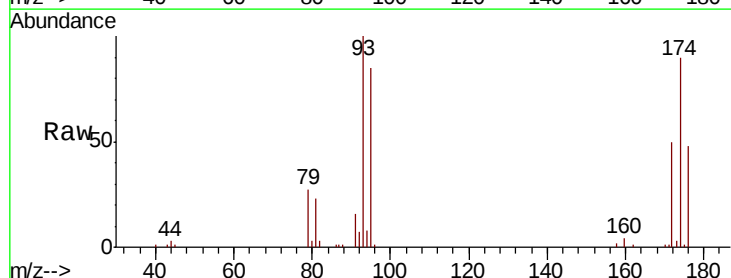
Manual Integrations
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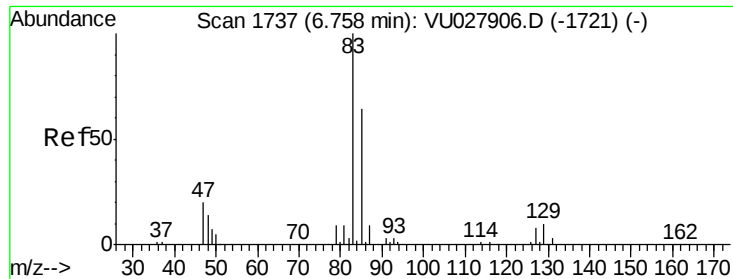
MMDadoda
 11/6/2018 5:42:39 PM



#46
 Dibromomethane
 Concen: 19.461 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion: 93 Resp: 35498
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.5 102.7
 174 92.6 76.1 114.1





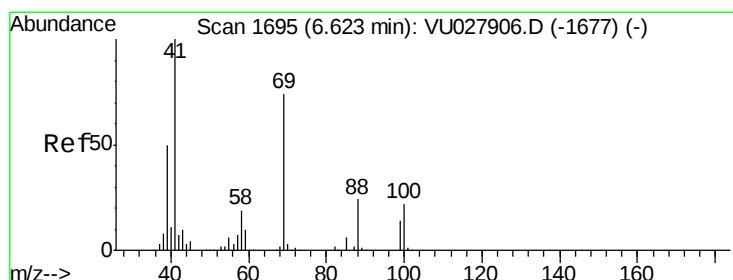
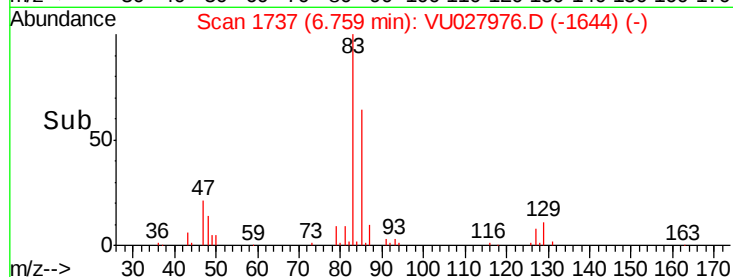
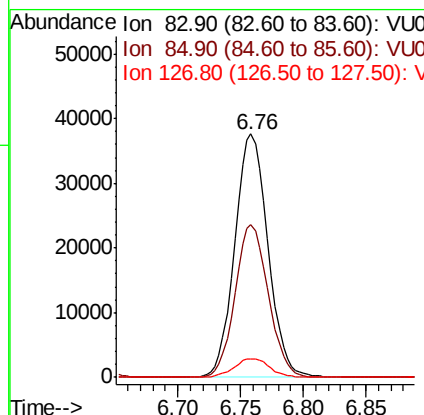
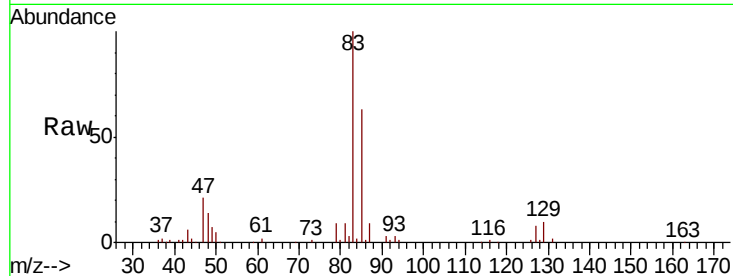
#47
Bromodichloromethane
Concen: 19.705 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	83	Resp	69266
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	51.0	76.6
127	7.7	6.2	9.4

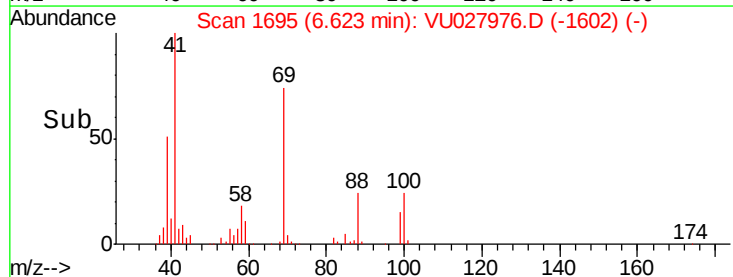
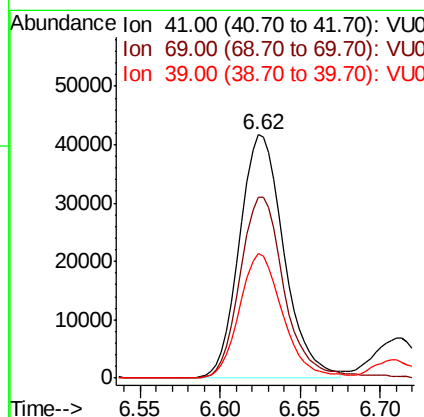
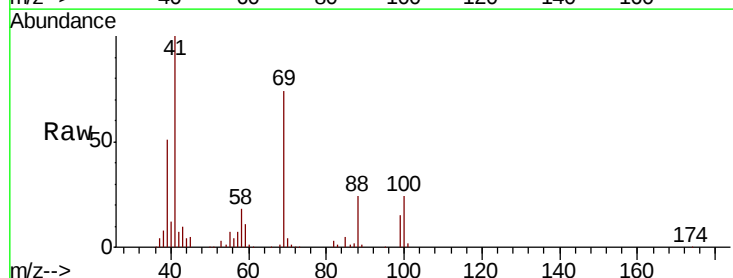
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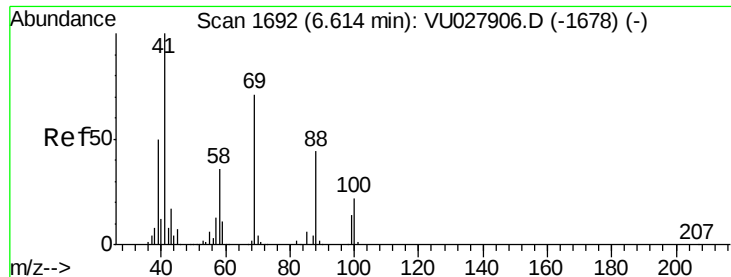
MMDadoda
11/6/2018 5:42:39 PM



#48
Methyl methacrylate
Concen: 19.650 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	41	Resp	79554
Ion Ratio	100	Lower	Upper
41	100		
69	74.7	59.8	89.8
39	49.8	40.0	60.0





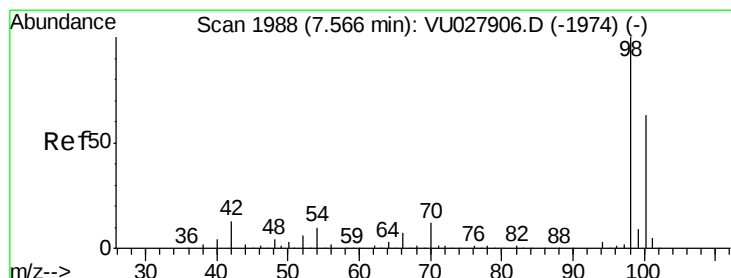
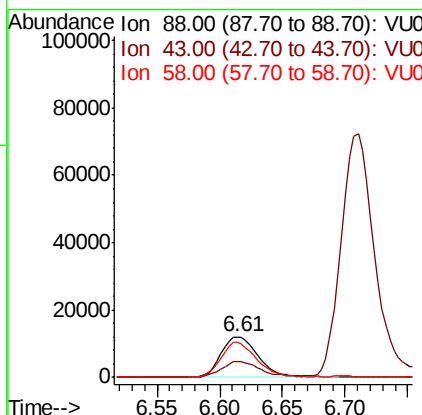
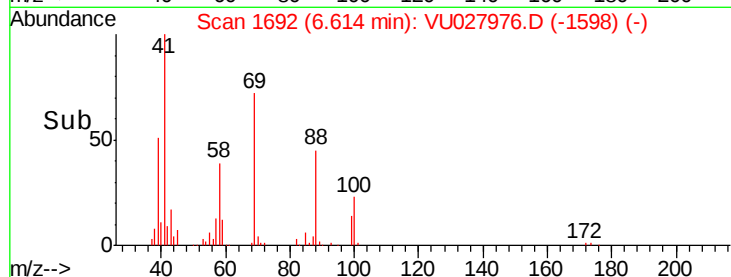
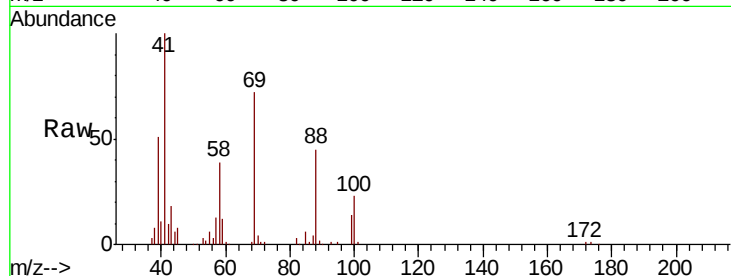
#49
1,4-Dioxane
Concen: 380.216 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.5	45.7
58	81.4	67.1	100.7

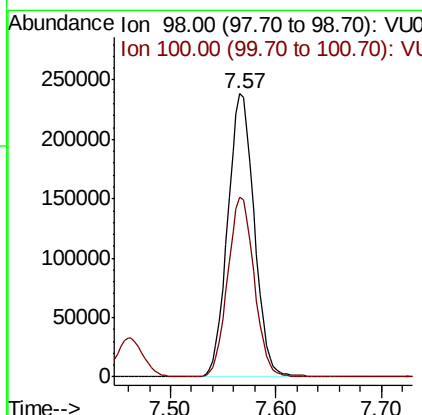
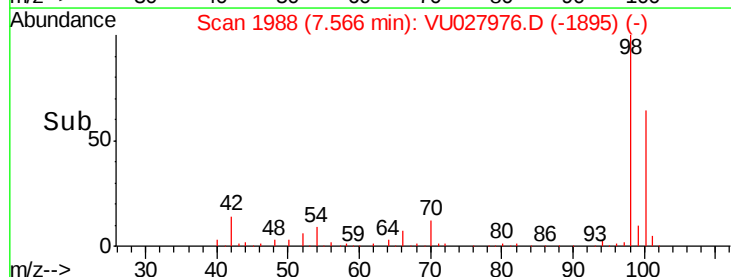
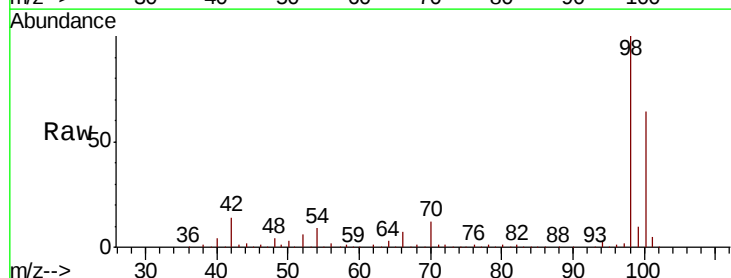
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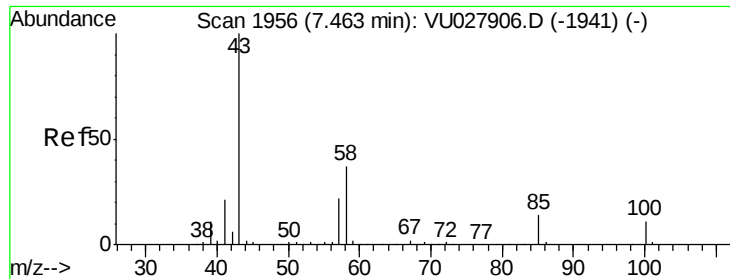
MMDadoda
11/6/2018 5:42:39 PM



#50
Toluene-d8
Concen: 49.611 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 94.132 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 43 Resp: 519357

Ion Ratio Lower Upper

43 100

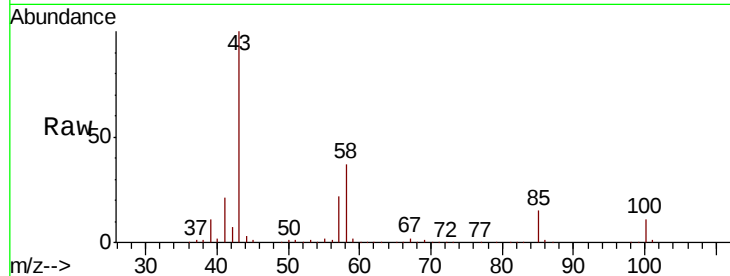
58 37.0 29.5 44.3

Manual Integrations

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MMDadoda

11/6/2018 5:42:39 PM



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

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

7.46

300000

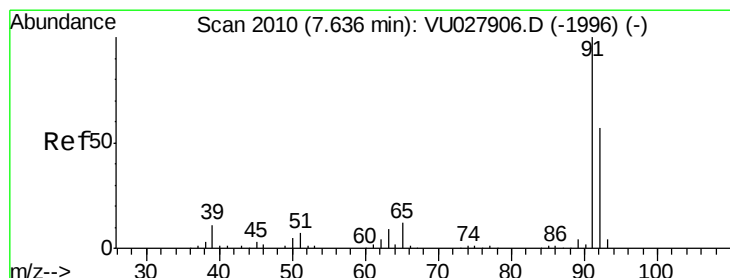
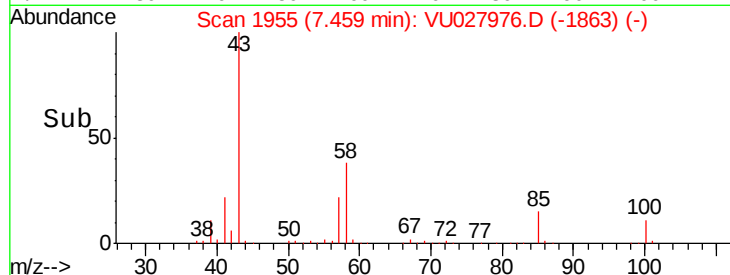
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 18.769 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027976.D

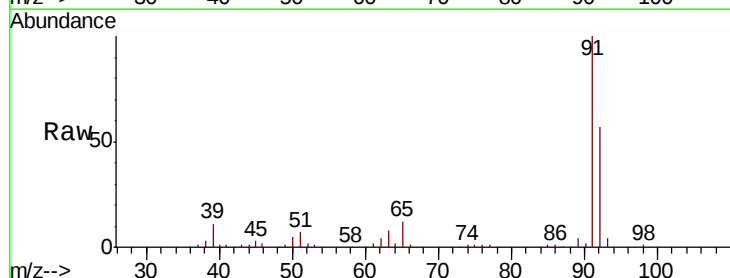
Acq: 06 Nov 2018 10:58

Tgt Ion: 92 Resp: 121415

Ion Ratio Lower Upper

92 100

91 178.2 141.2 211.8



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

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

7.64

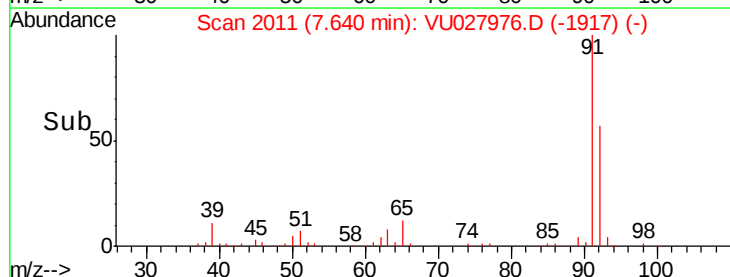
100000

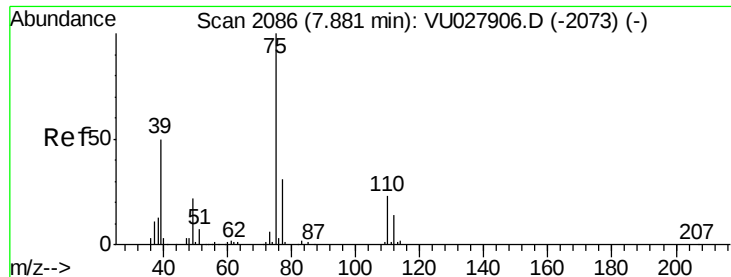
50000

0

7.55 7.60 7.65 7.70

Time-->





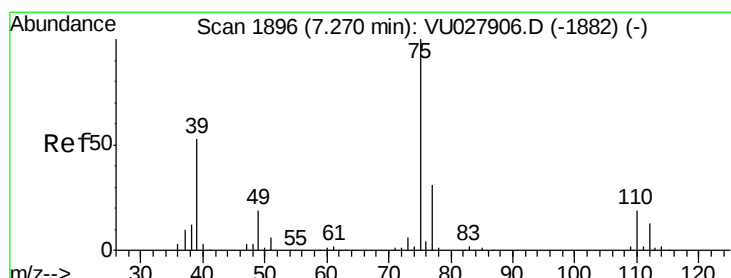
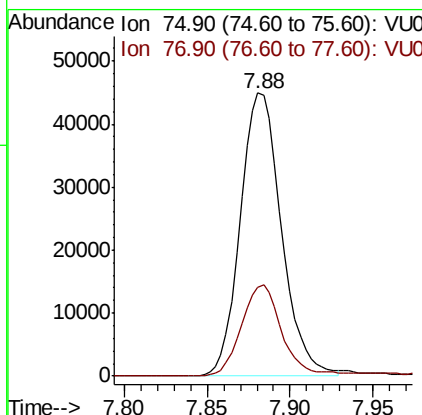
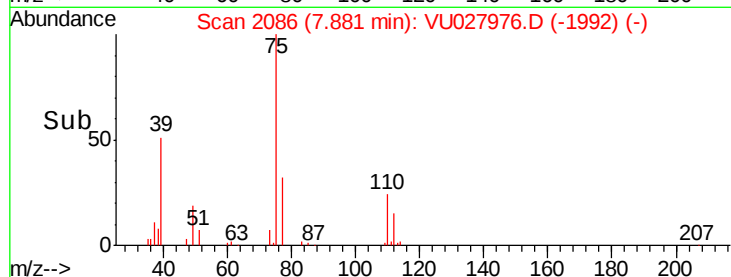
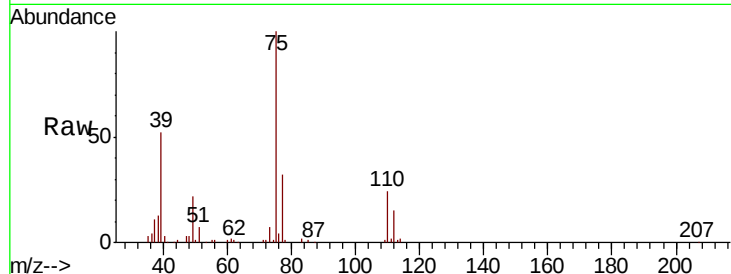
#53
 t-1,3-Dichloropropene
 Concen: 18.552 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion: 75 Resp: 77735
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.1 37.7

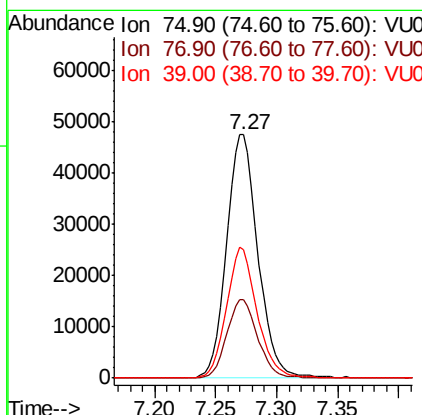
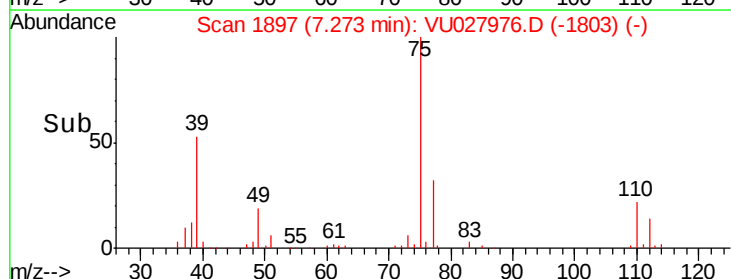
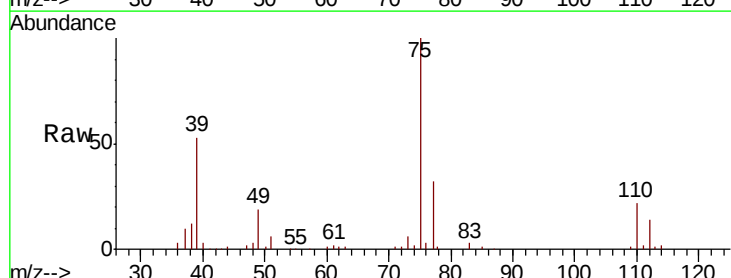
Manual Integrations
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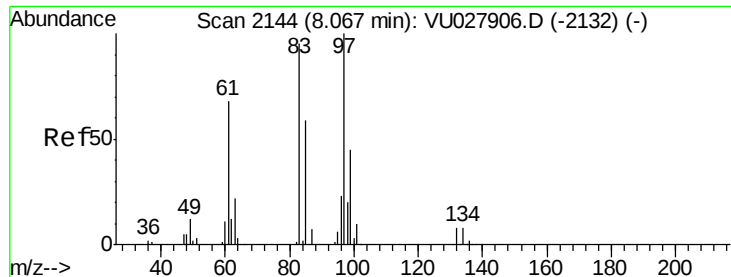
MMDadoda
 11/6/2018 5:42:39 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.665 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion: 75 Resp: 85215
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.6 37.0
 39 52.6 42.6 64.0





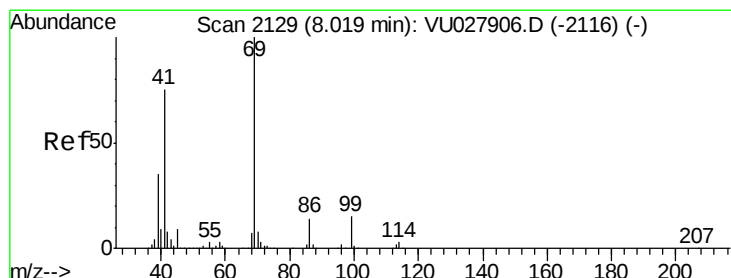
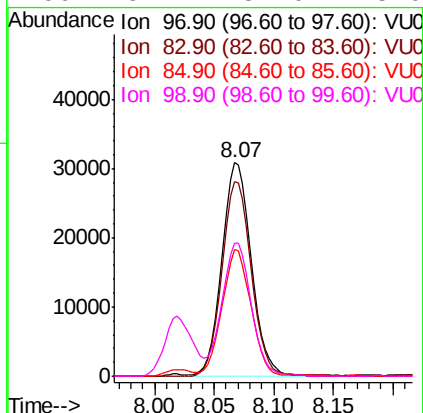
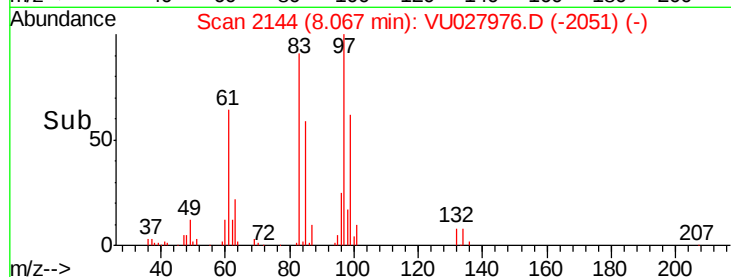
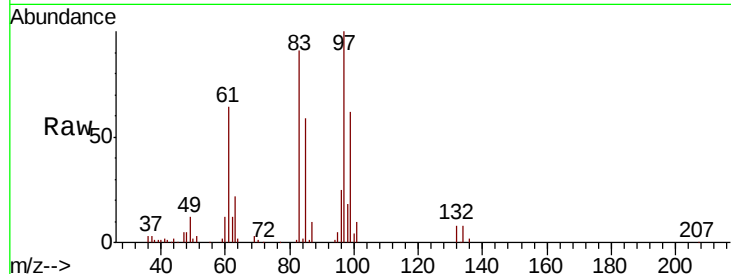
#55
 1,1,2-Trichloroethane
 Concen: 20.179 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion:	97	Resp:	53106
Ion	Ratio	Lower	Upper
97	100		
83	91.2	76.1	114.1
85	59.3	48.9	73.3
99	62.4	52.0	78.0

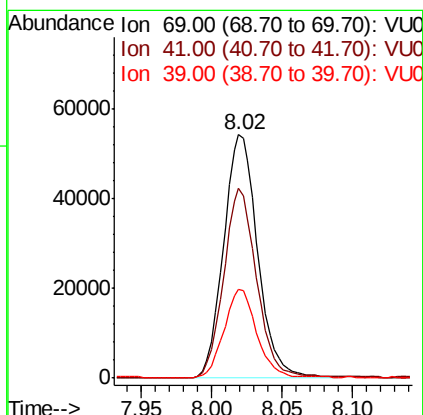
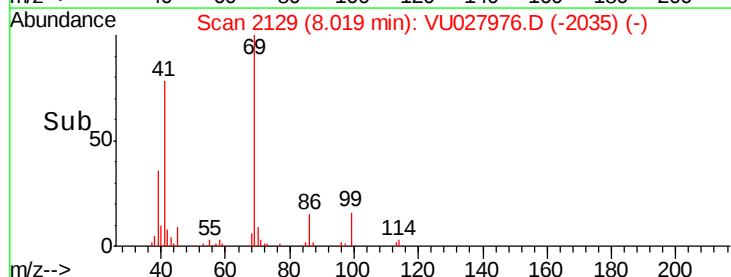
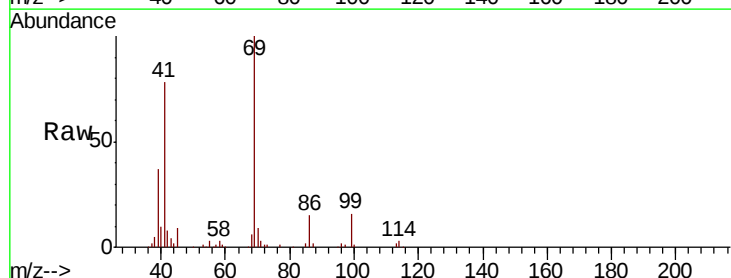
Manual Integrations
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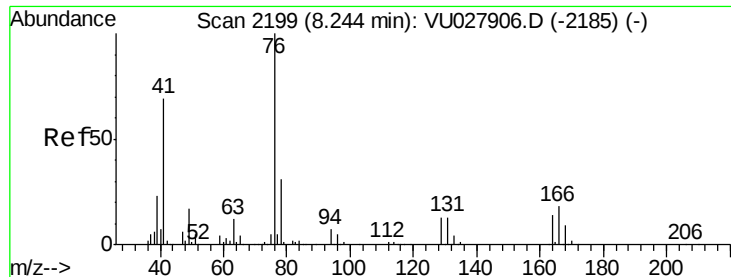
MMDadoda
 11/6/2018 5:42:39 PM



#56
 Ethyl methacrylate
 Concen: 19.694 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion:	69	Resp:	91402
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.8	89.6
39	34.4	28.6	42.8





#57

1,3-Dichloropropane

Concen: 19.235 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 76 Resp: 92211

Ion Ratio Lower Upper

76 100

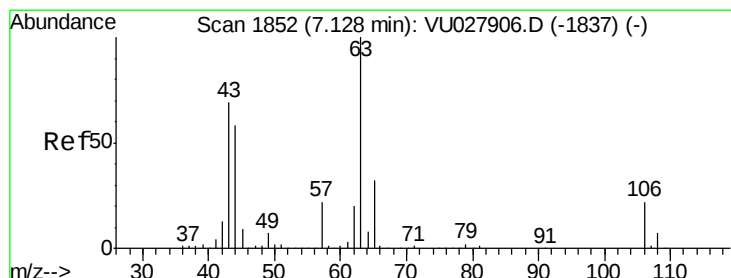
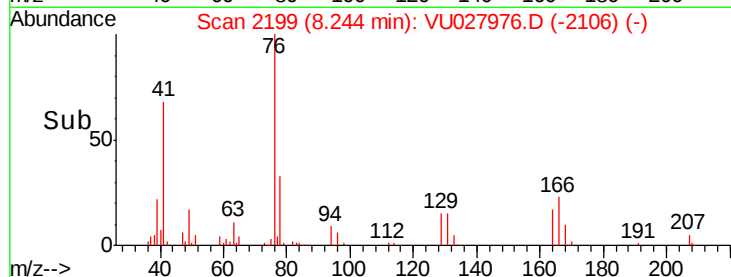
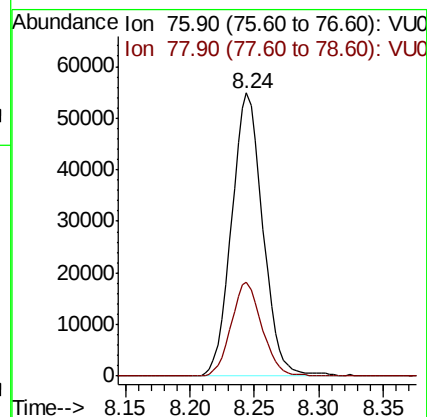
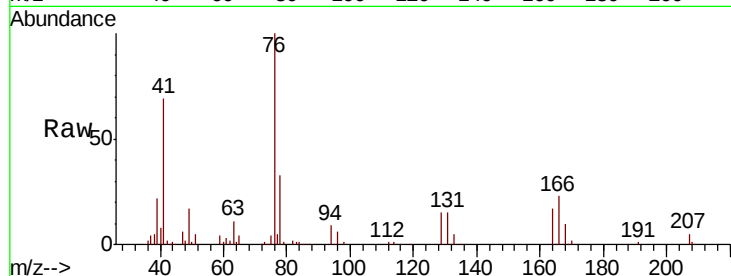
78 32.7 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 94.819 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027976.D

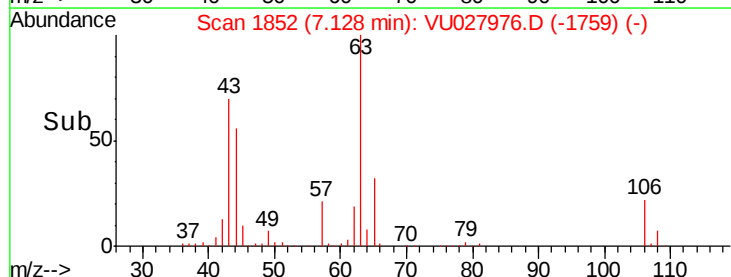
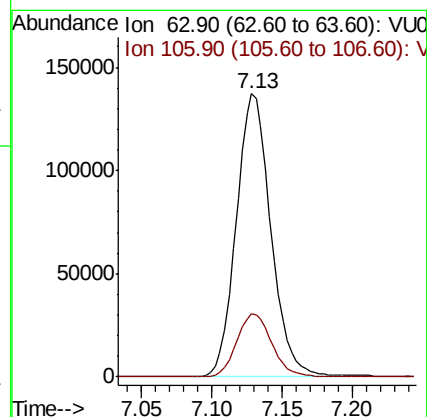
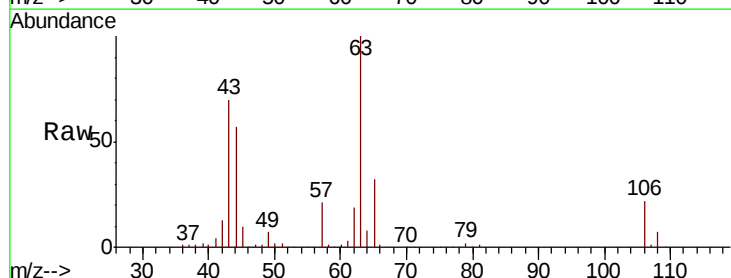
Acq: 06 Nov 2018 10:58

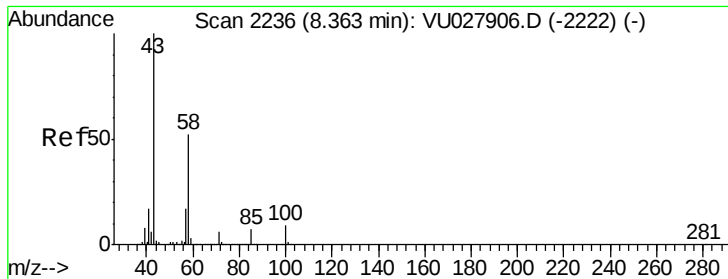
Tgt Ion: 63 Resp: 235690

Ion Ratio Lower Upper

63 100

106 22.6 17.8 26.6





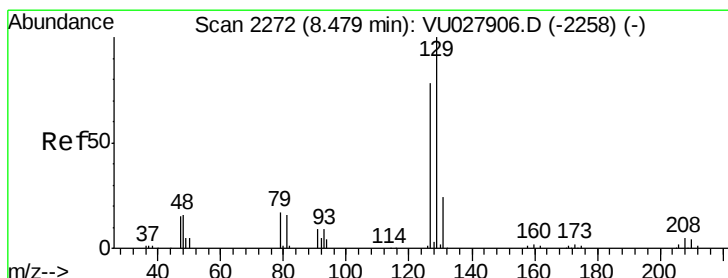
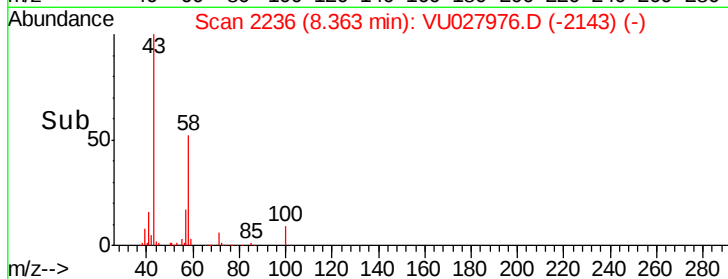
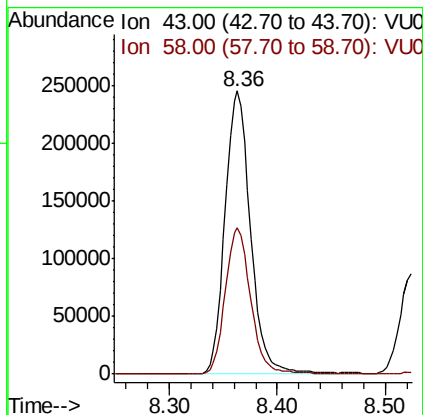
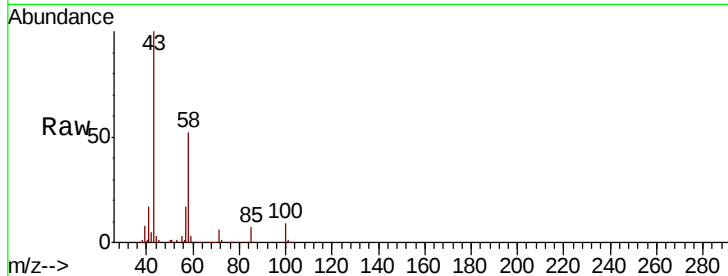
#59
2-Hexanone
Concen: 94.973 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion: 43 Resp: 405280
Ion Ratio Lower Upper
43 100
58 51.6 25.8 77.3

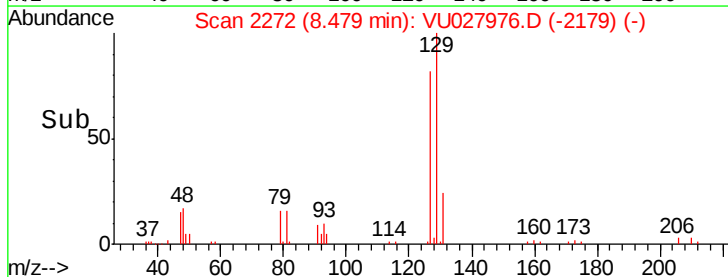
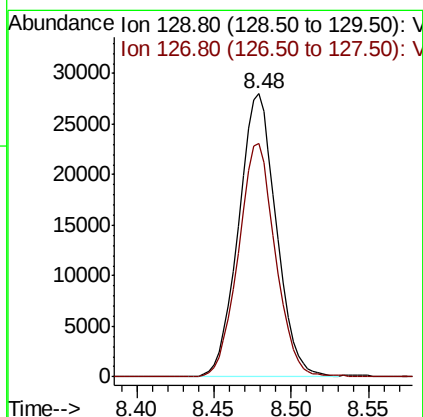
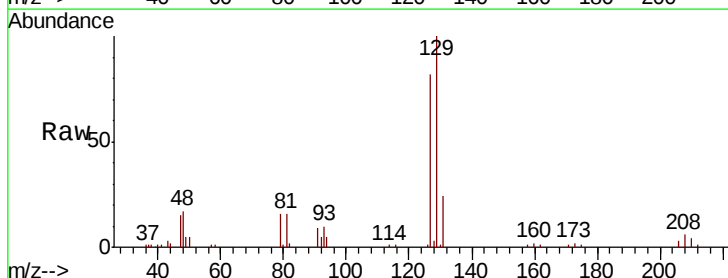
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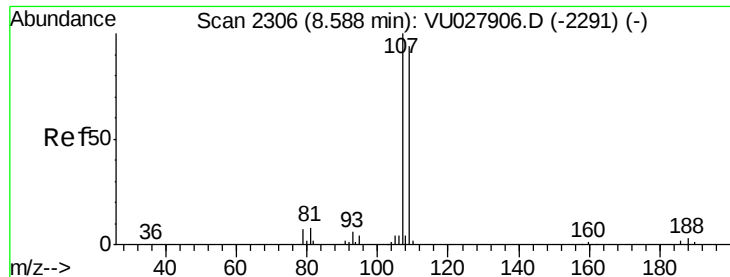
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#60
Dibromochloromethane
Concen: 19.036 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion: 129 Resp: 47406
Ion Ratio Lower Upper
129 100
127 80.8 39.2 117.6





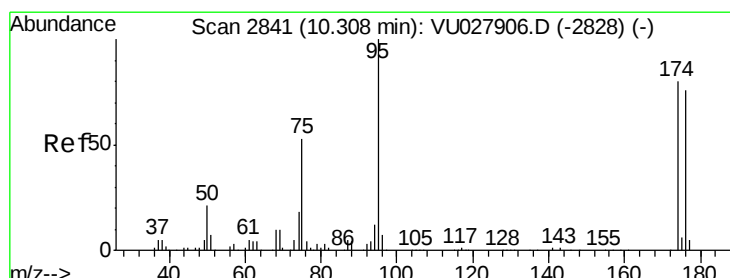
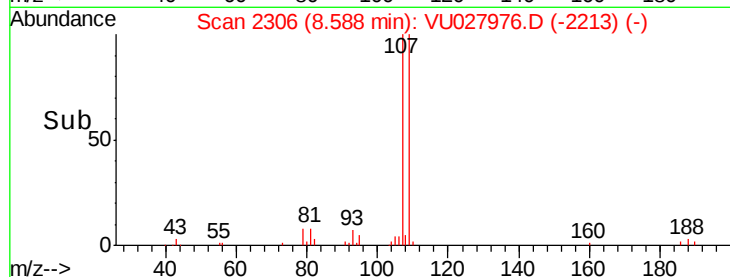
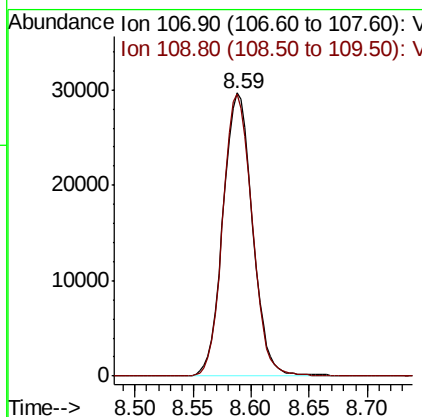
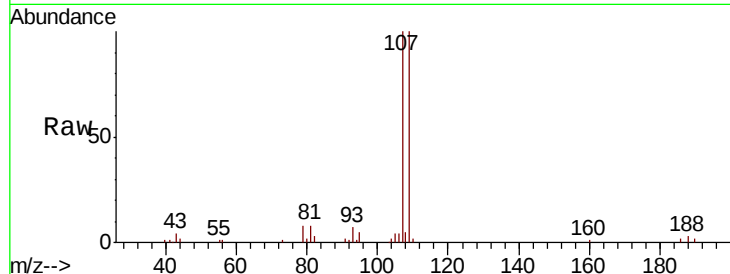
#61
 1,2-Dibromoethane
 Concen: 18.707 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion:107 Resp: 52314
 Ion Ratio Lower Upper
 107 100
 109 98.5 73.8 110.8

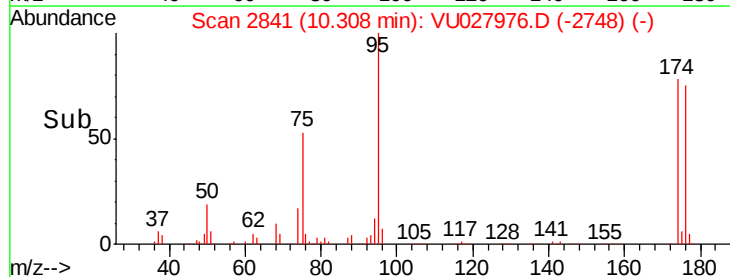
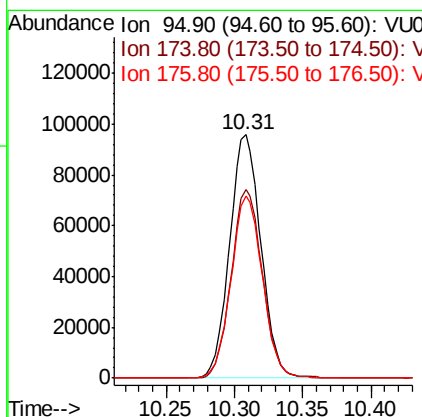
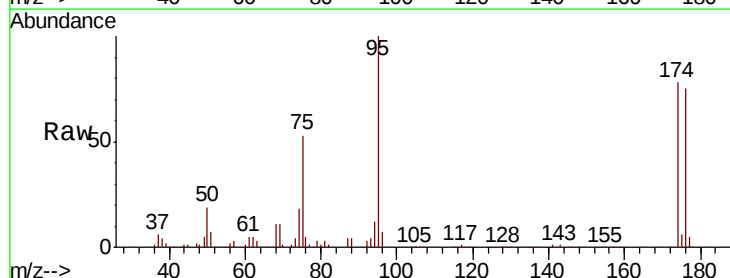
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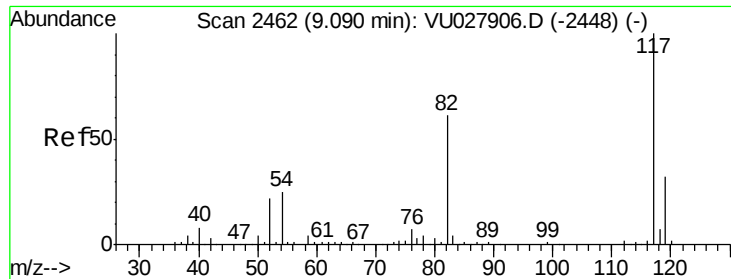
MMDadoda
 11/6/2018 5:42:39 PM



#62
 4-Bromofluorobenzene
 Concen: 49.425 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion: 95 Resp: 152576
 Ion Ratio Lower Upper
 95 100
 174 77.2 0.0 156.4
 176 75.0 0.0 150.8





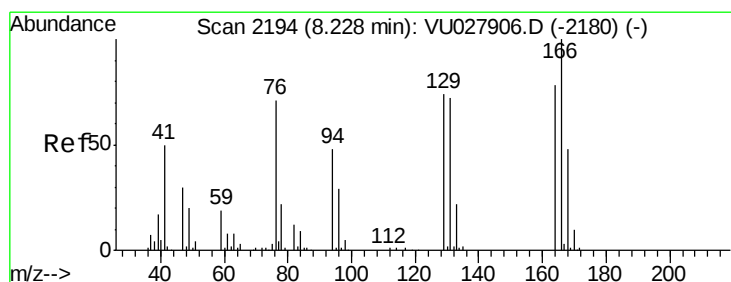
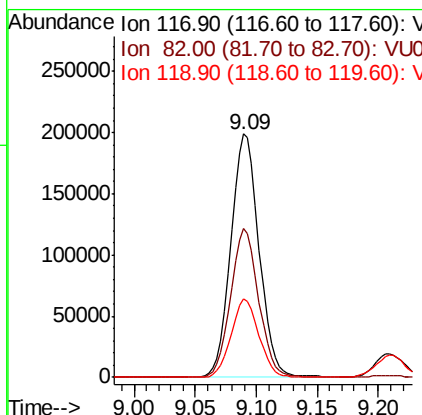
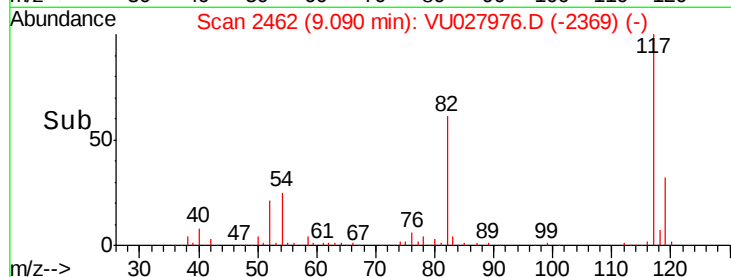
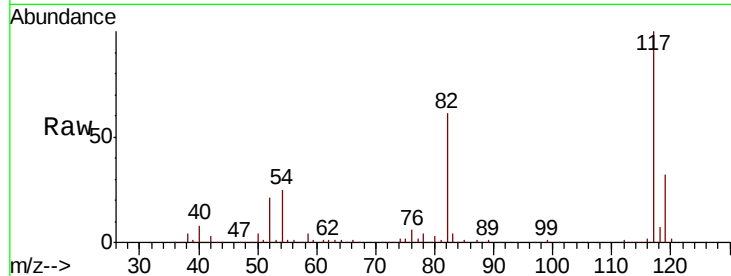
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.6	73.0
119	32.1	25.8	38.8

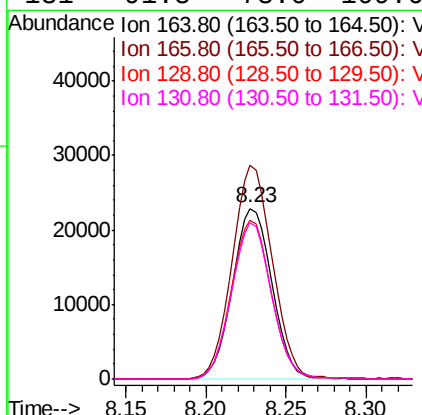
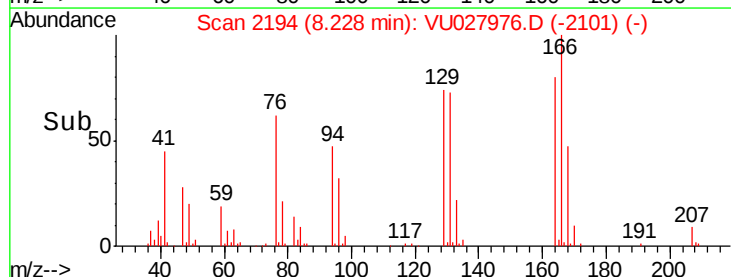
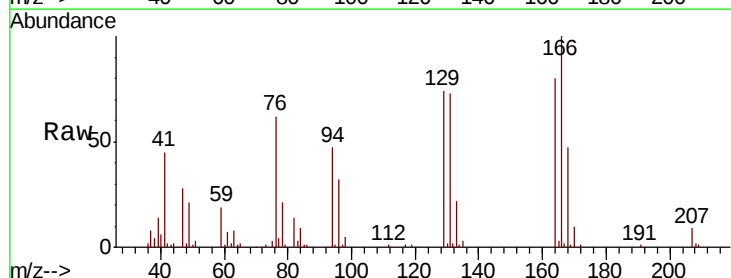
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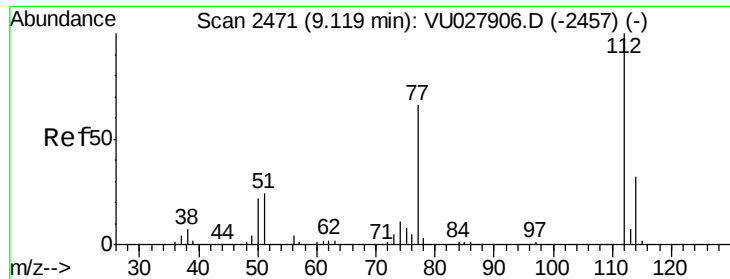
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#64
Tetrachloroethene
Concen: 18.462 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.1	153.1
129	93.2	75.9	113.9
131	91.8	73.0	109.6





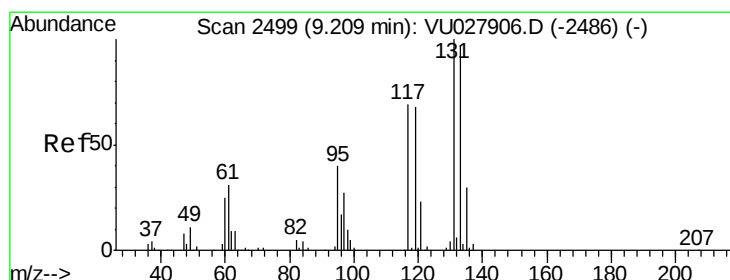
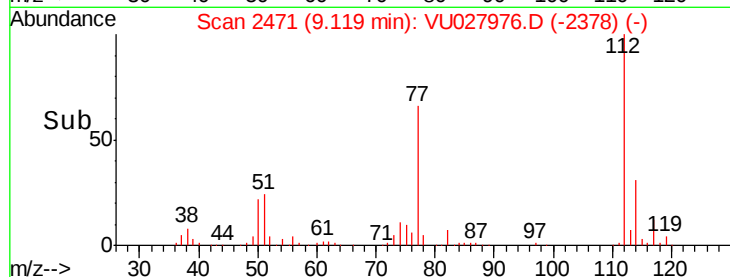
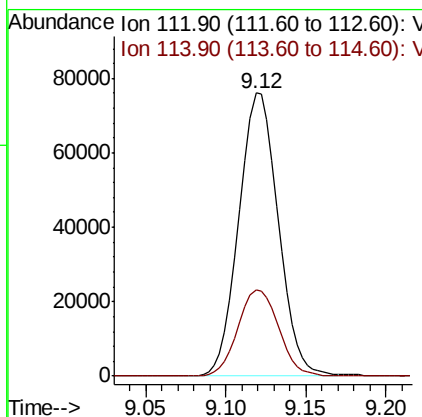
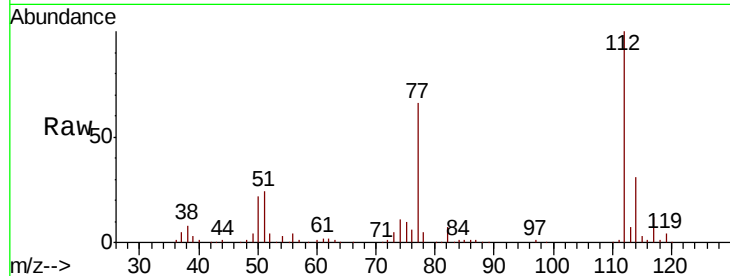
#65
Chlorobenzene
Concen: 18.903 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion:112 Resp: 127985
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8

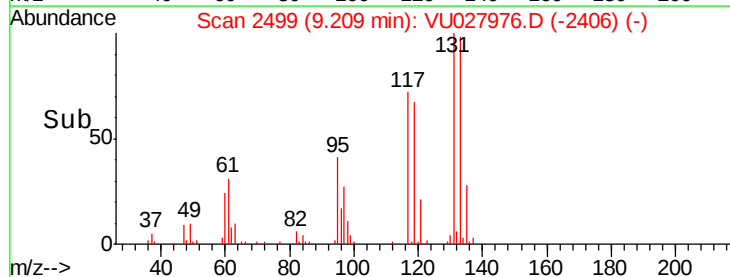
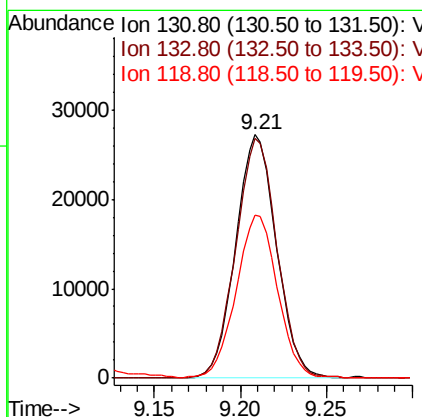
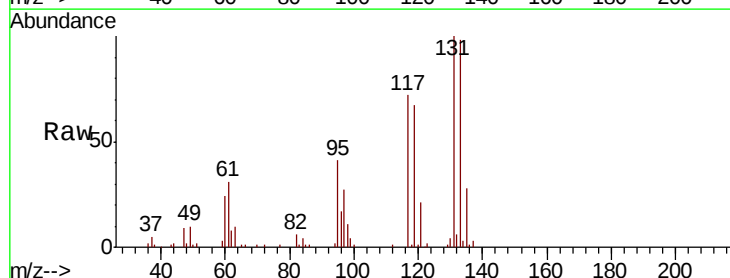
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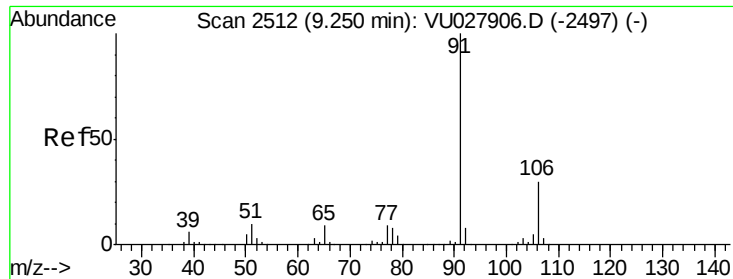
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.336 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion:131 Resp: 44715
Ion Ratio Lower Upper
131 100
133 99.6 48.1 144.4
119 68.3 34.0 101.8





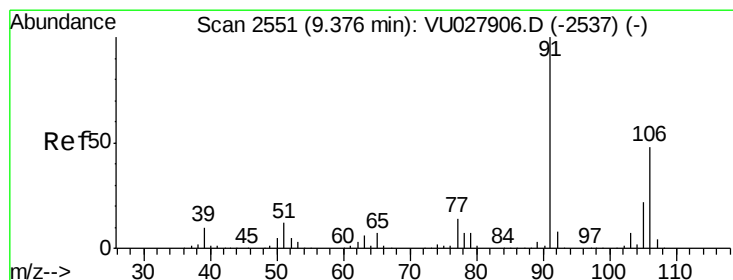
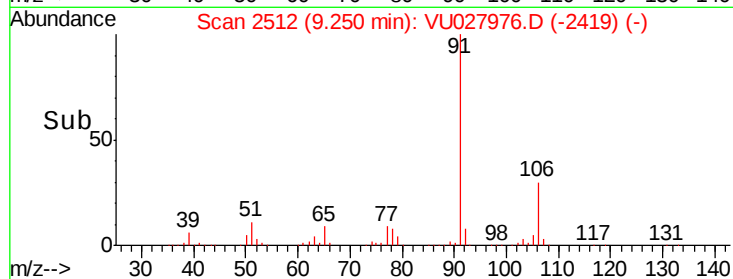
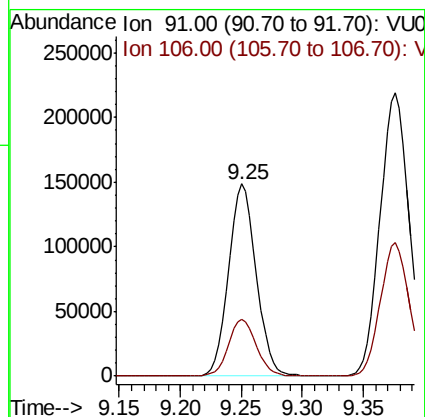
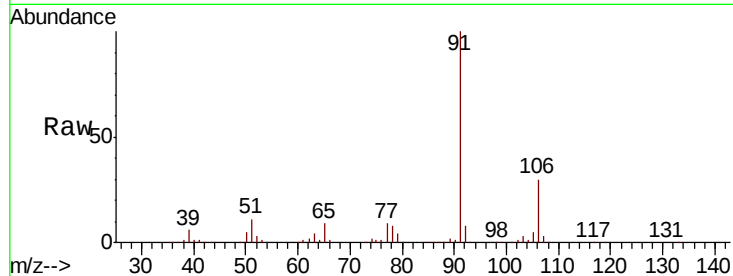
#67
Ethyl Benzene
Concen: 18.983 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion: 91 Resp: 236575
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

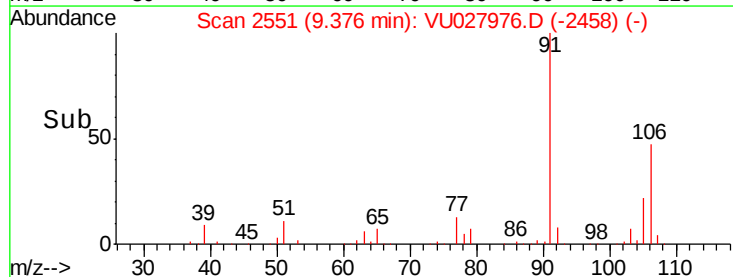
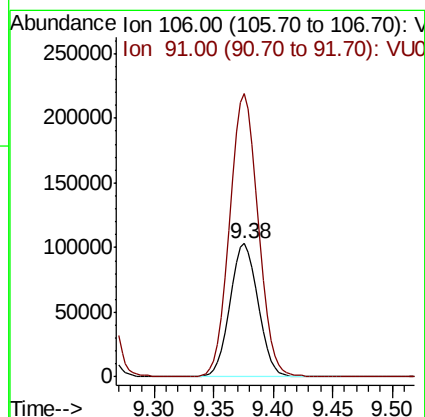
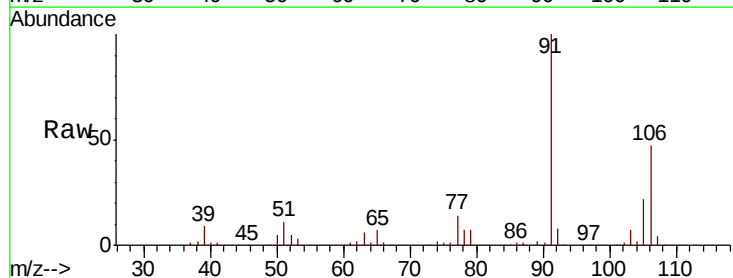
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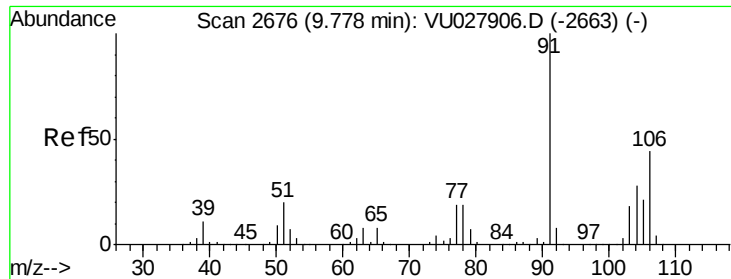
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#68
m/p-Xylenes
Concen: 37.613 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion: 106 Resp: 170078
Ion Ratio Lower Upper
106 100
91 214.2 168.2 252.4





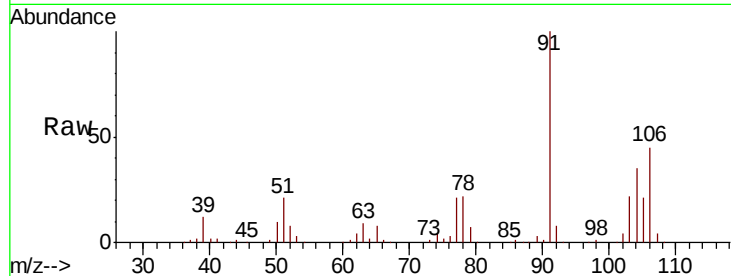
#69
o-Xylene
Concen: 18.459 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

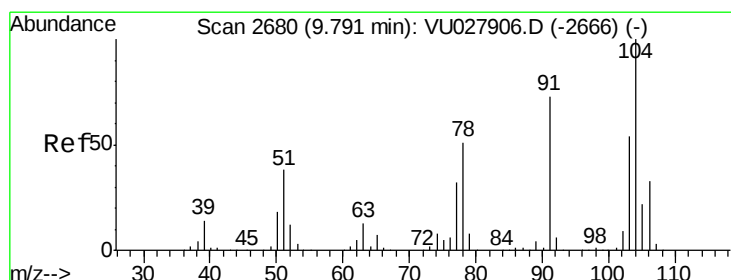
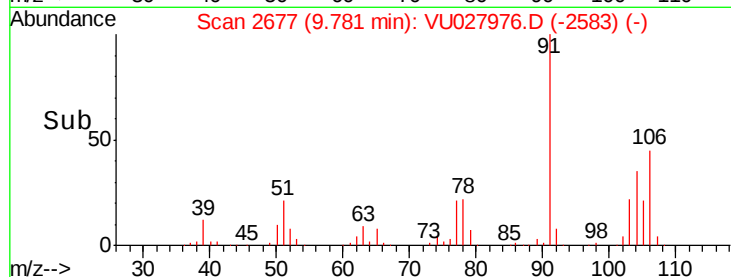
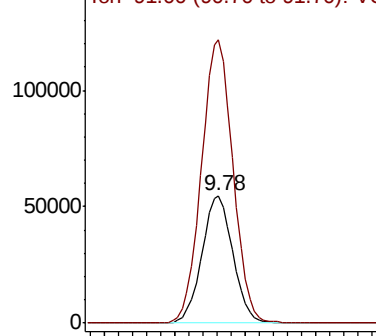
Tot Ion:106 Resp: 84283
Ion Ratio Lower Upper
106 100
91 226.4 111.1 333.4

Manual Integrations
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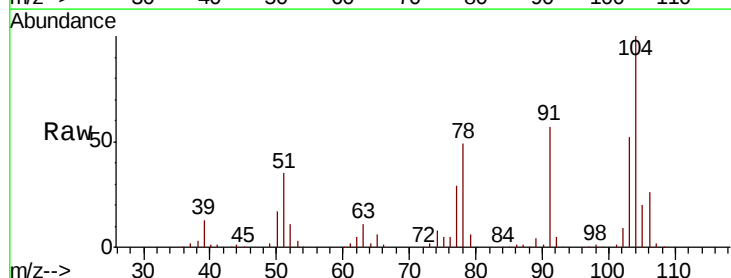


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

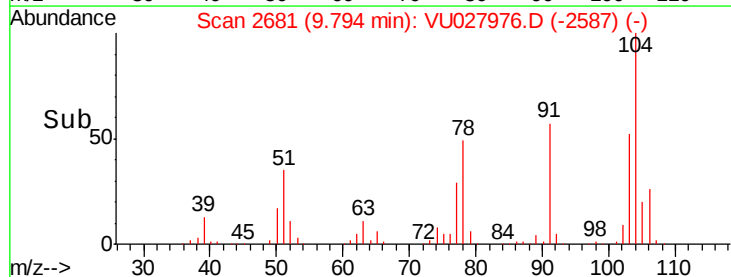
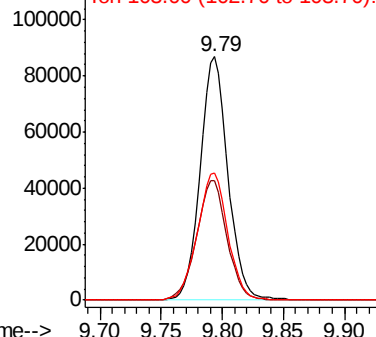


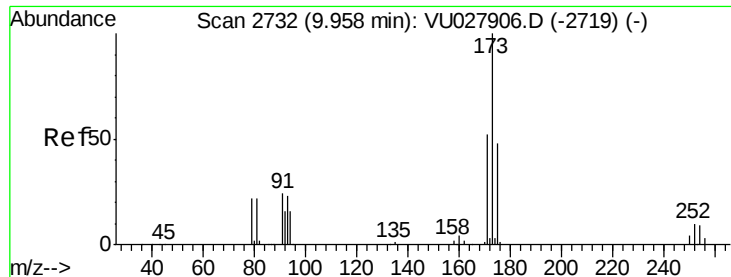
#70
Styrene
Concen: 18.949 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion:104 Resp: 138249
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 57.3 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.635 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

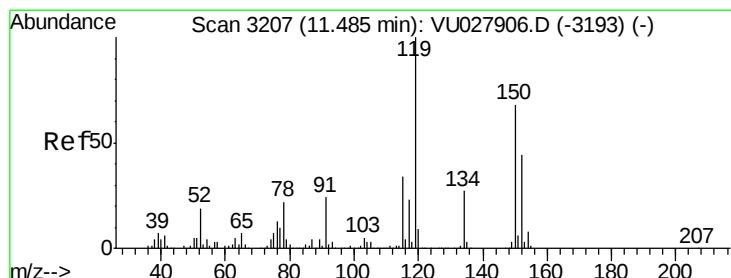
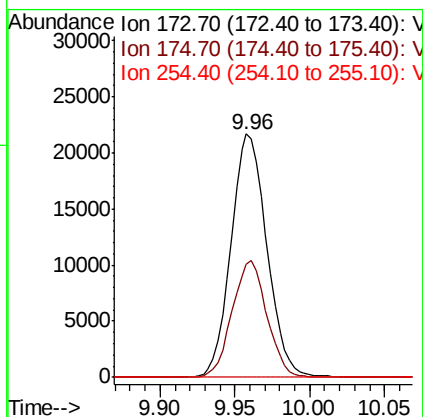
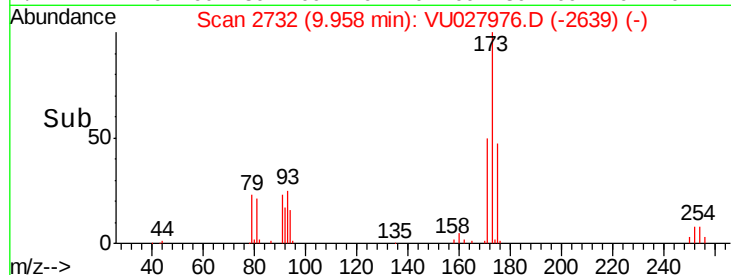
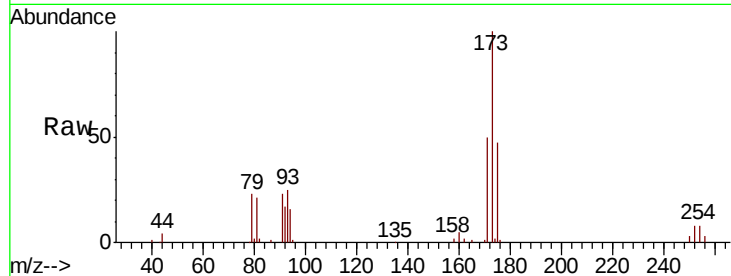
ClientSampleId :

VU1106WBS01

Tot Ion:	173	Resp:	36116
Ion Ratio	Lower	Upper	
173	100		
175	46.4	24.3	72.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

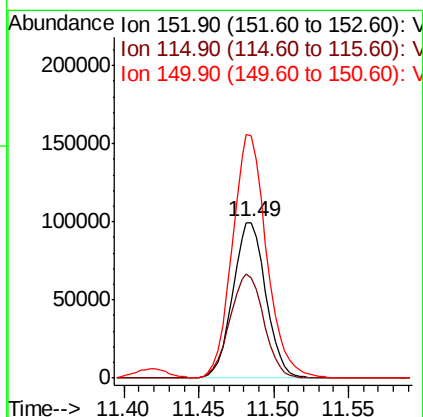
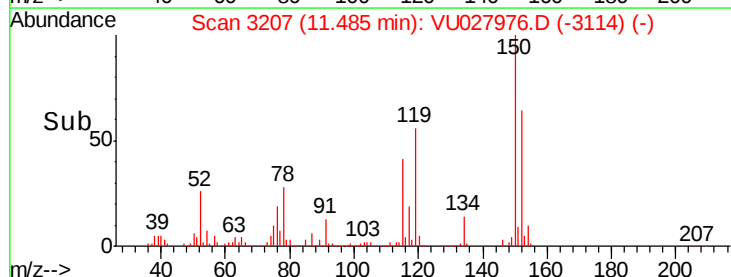
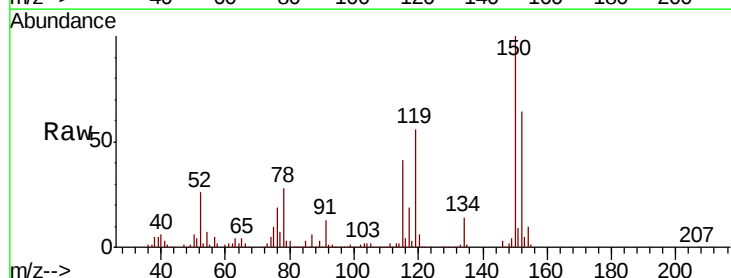
RT: 11.49 min Scan# 3207

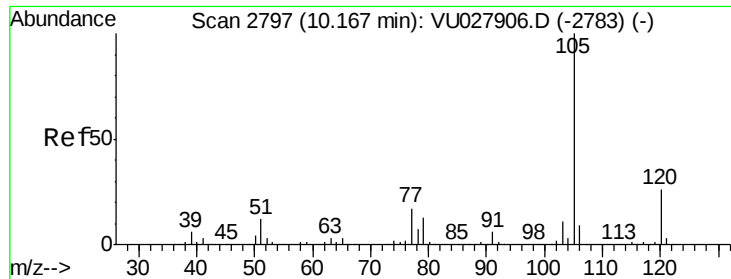
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	152	Resp:	153096
Ion Ratio	Lower	Upper	
152	100		
115	69.1	43.0	129.0
150	162.0	0.0	349.4





#73

Isopropylbenzene

Concen: 19.457 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion: 105 Resp: 230767

Ion Ratio Lower Upper

105 100

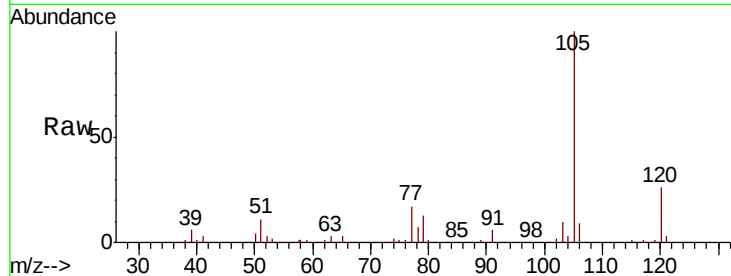
120 25.2 12.7 38.0

Manual Integrations

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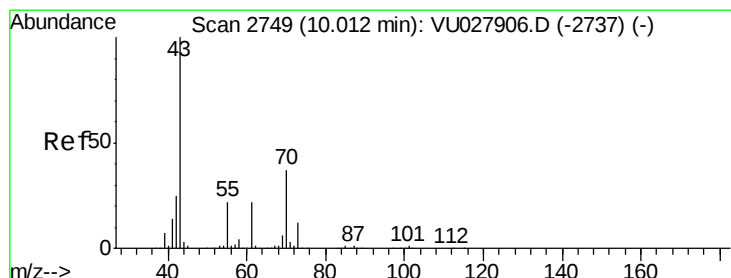
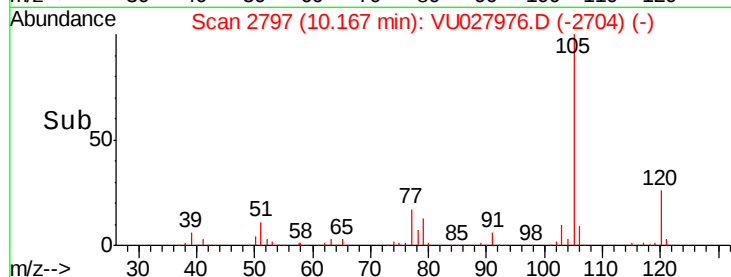
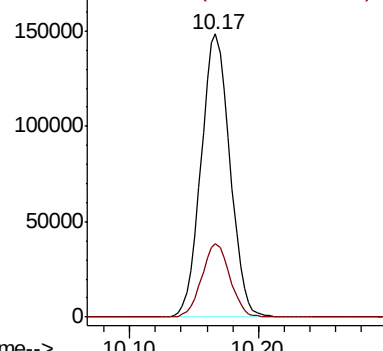
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11/6/2018 5:42:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.432 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion: 43 Resp: 139356

Ion Ratio Lower Upper

43 100

70 37.1 29.2 43.8

55 21.6 17.8 26.6

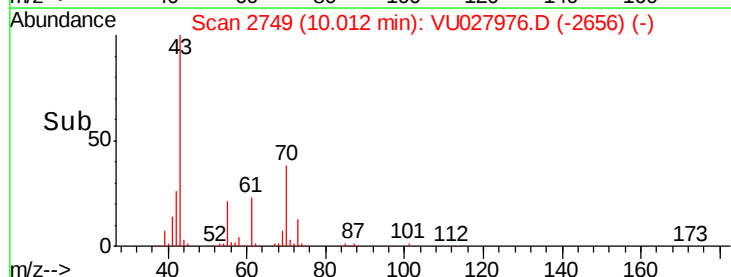
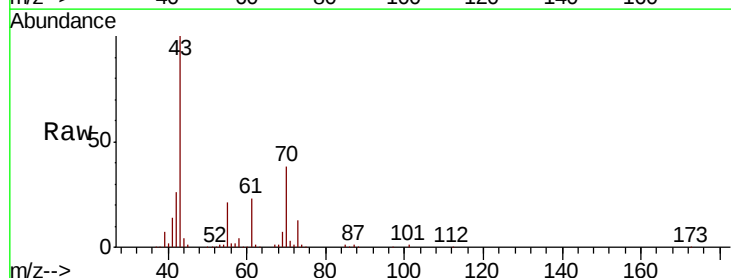
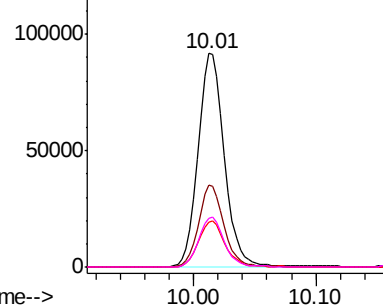
61 22.7 17.8 26.8

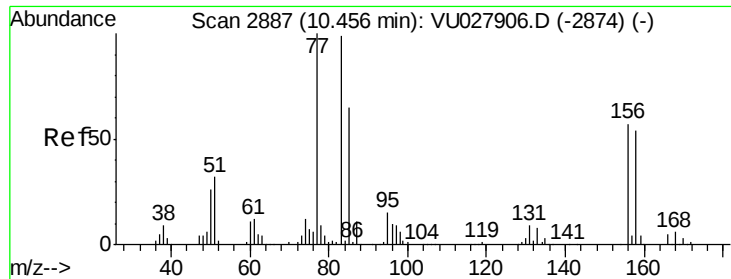
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

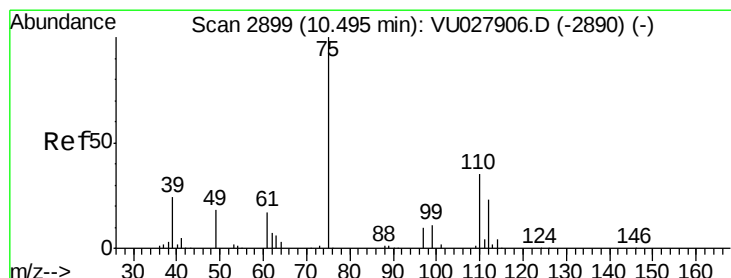
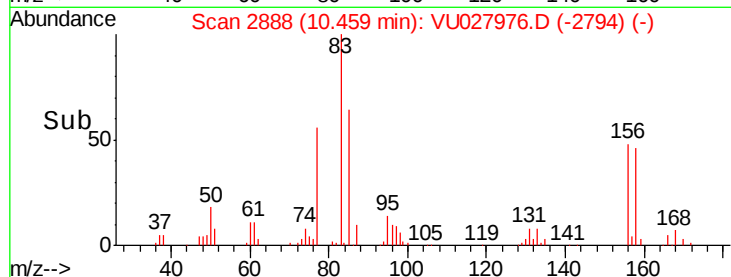
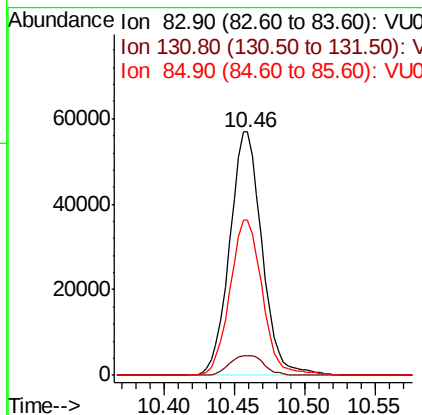
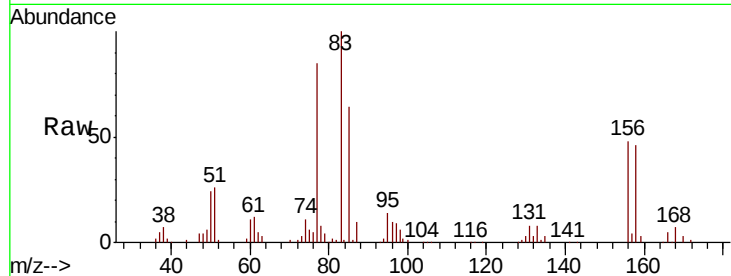
ClientSampleId :

VU1106WBS01

Tot Ion:	83	Resp:	91594
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	13.1
85	64.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.463 ug/l m

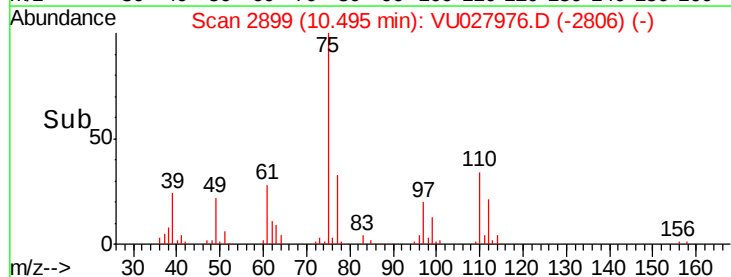
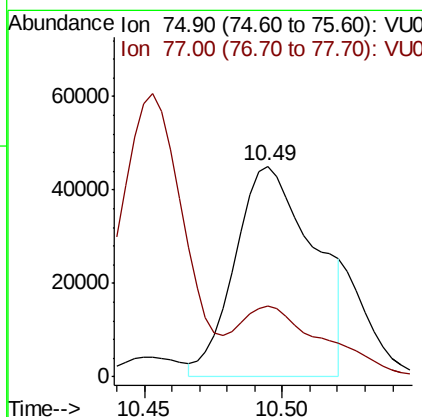
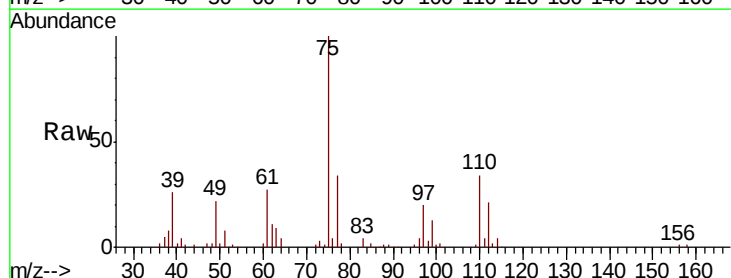
RT: 10.49 min Scan# 2899

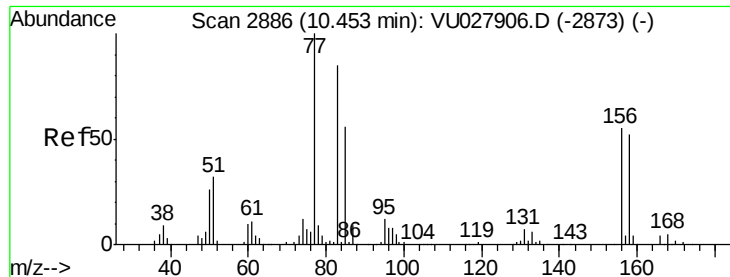
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	75	Resp:	89881
Ion Ratio	Lower	Upper	
75	100		
77	36.7	21.6	64.6





#77

Bromobenzene

Concen: 19.589 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

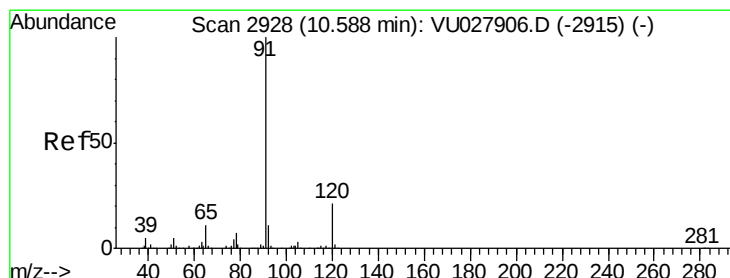
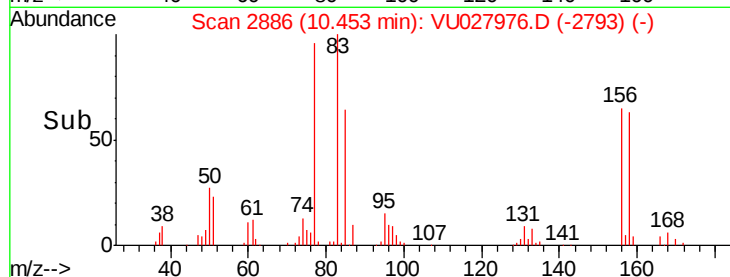
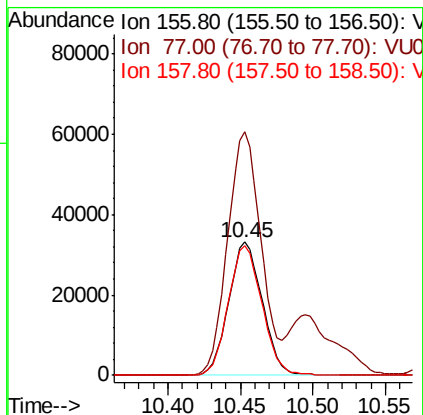
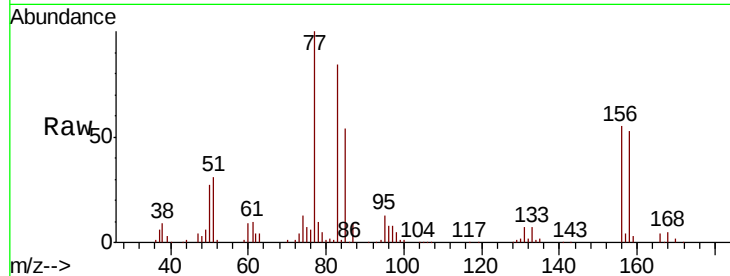
ClientSampleId :

VU1106WBS01

Tot Ion:	156	Resp:	53274
Ion	Ratio	Lower	Upper
156	100		
77	183.2	91.8	275.6
158	97.9	48.4	145.2

Manual Integrations
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11/6/2018 5:42:39 PM



#78

n-propylbenzene

Concen: 19.328 ug/l

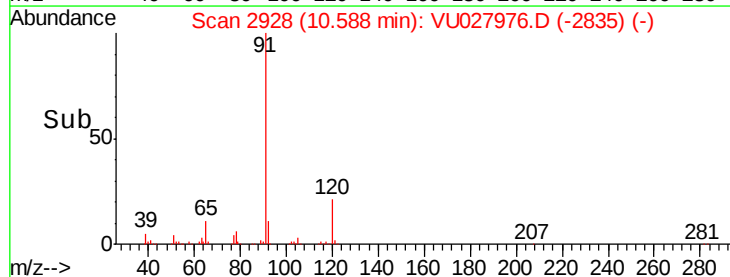
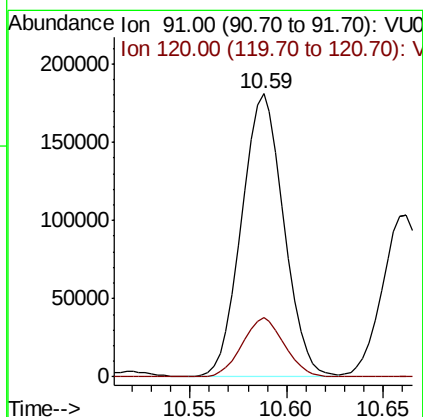
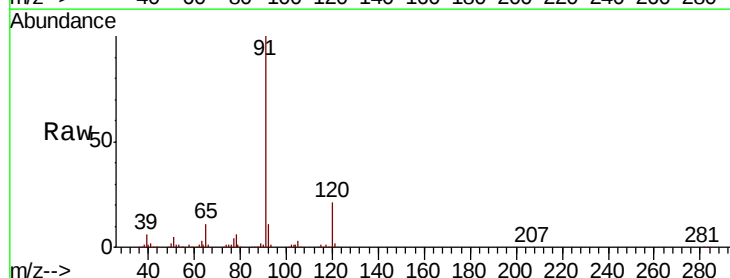
RT: 10.59 min Scan# 2928

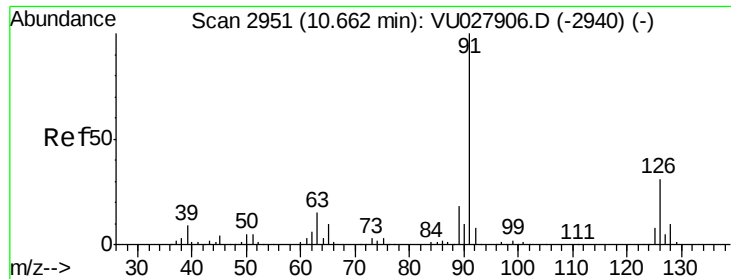
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	91	Resp:	274395
Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.6	31.8





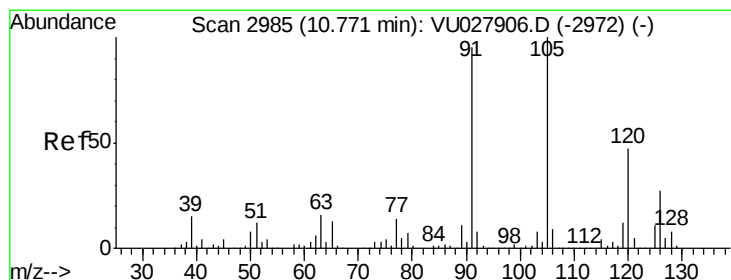
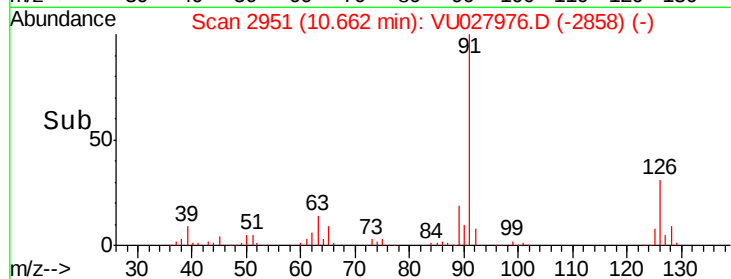
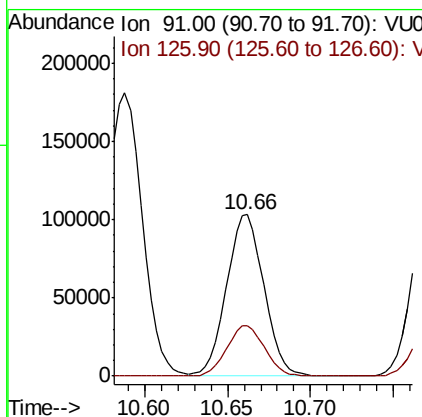
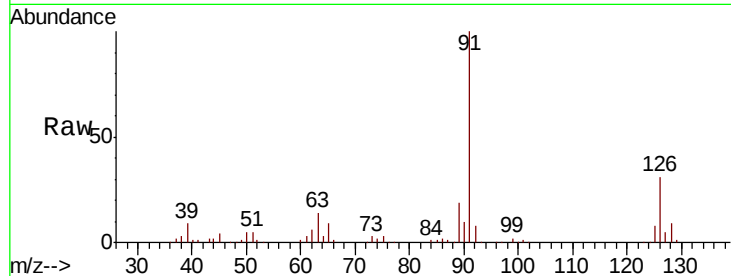
#79
2-Chlorotoluene
Concen: 18.903 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion: 91 Resp: 160856
Ion Ratio Lower Upper
91 100
126 31.7 16.0 47.9

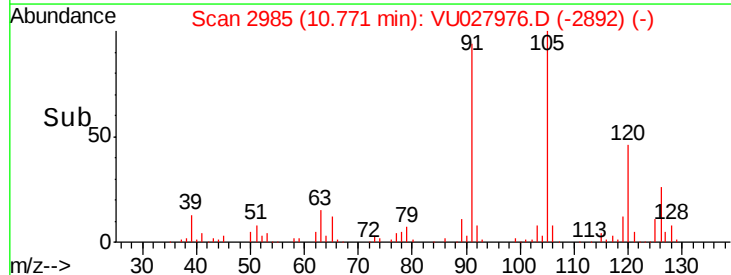
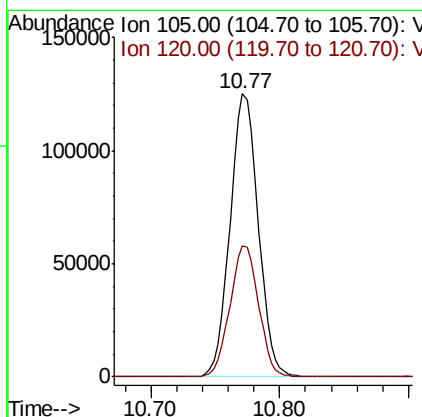
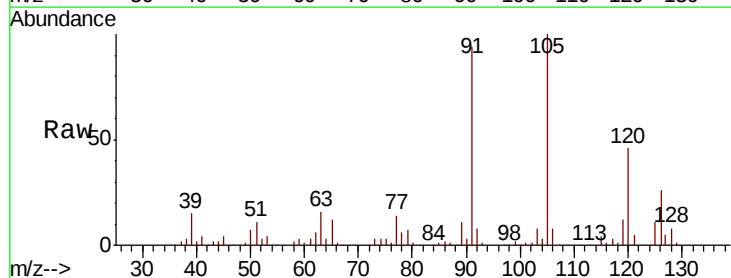
Manual Integrations
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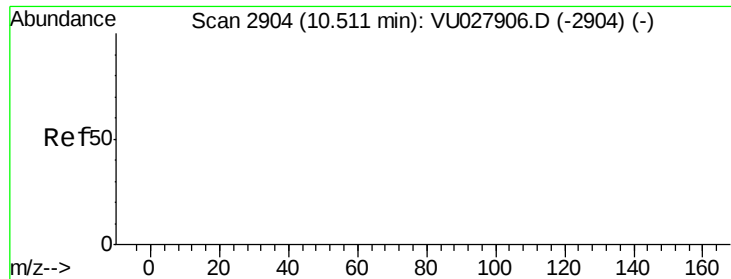
MMDadoda
11/6/2018 5:42:39 PM



#80
1,3,5-Trimethylbenzene
Concen: 19.333 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion: 105 Resp: 189942
Ion Ratio Lower Upper
105 100
120 46.9 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.041 ug/l

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

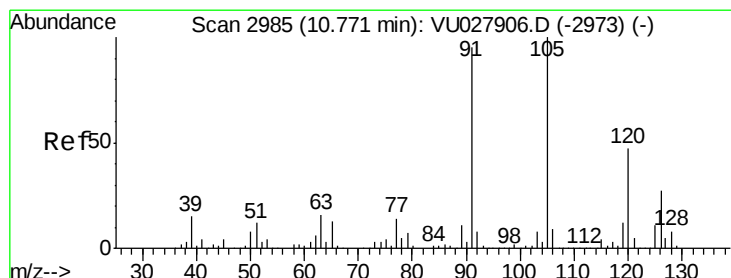
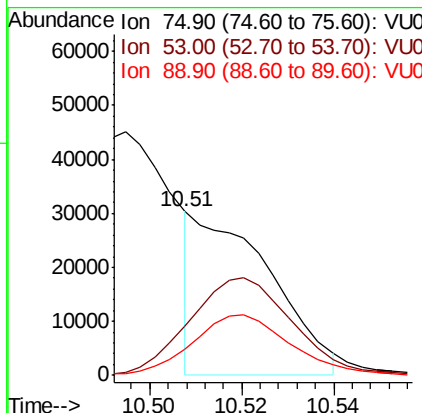
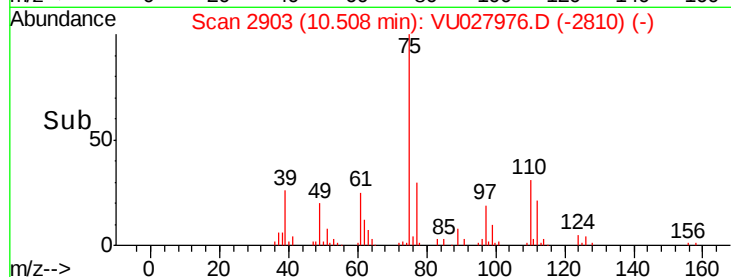
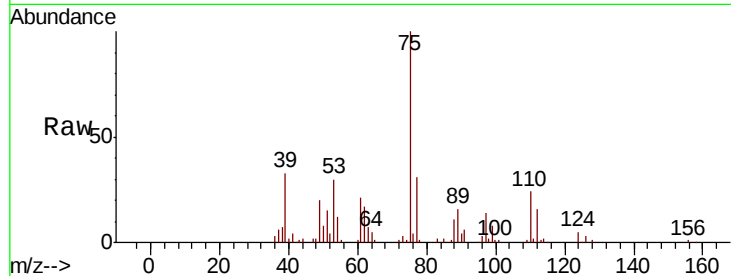
Instrument :
MSVOA_U

ClientSampleId :
VU1106WBS01

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

Manual Integrations
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11/6/2018 5:42:39 PM



#82

4-Chlorotoluene

Concen: 18.879 ug/l

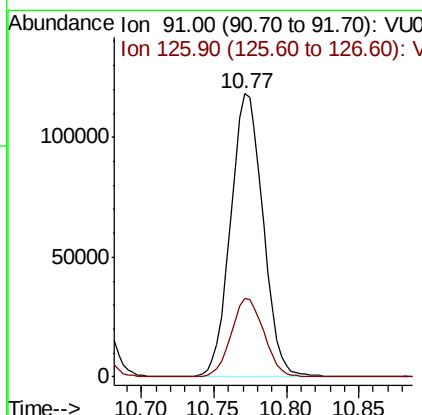
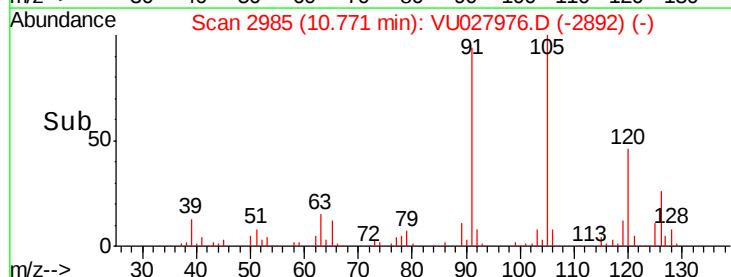
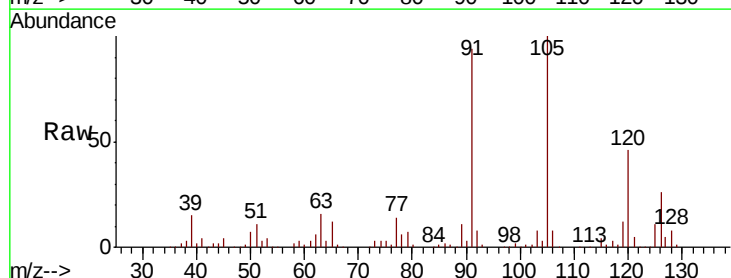
RT: 10.77 min Scan# 2985

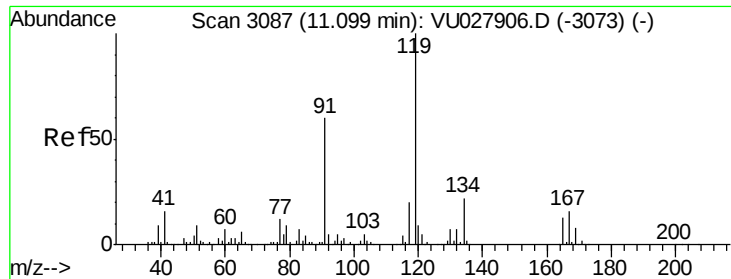
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6





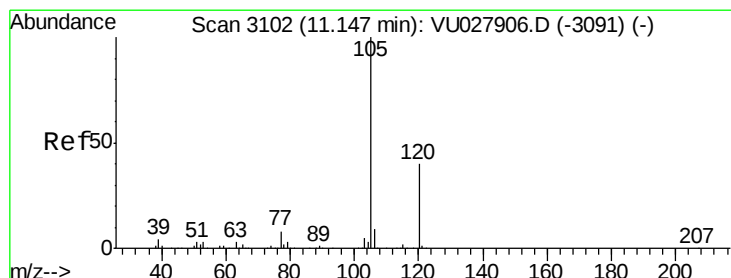
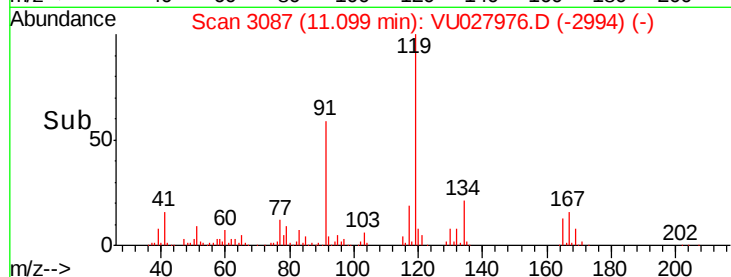
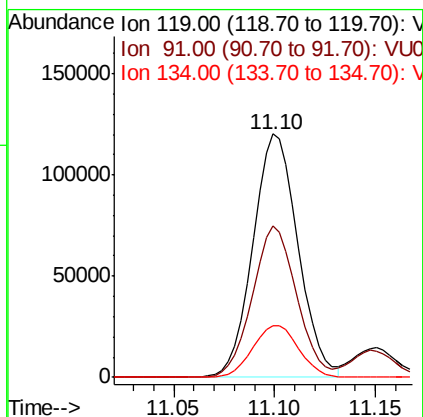
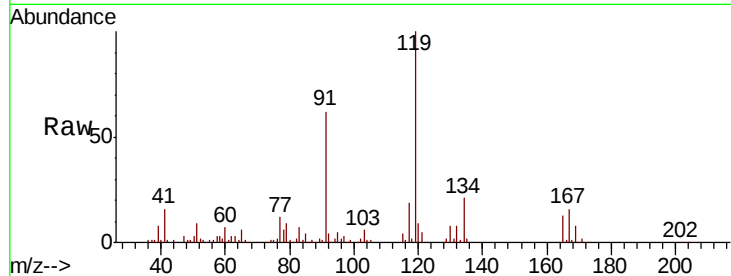
#83
tert-Butylbenzene
Concen: 19.076 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187364		
91	61.1	29.8	89.3	
134	21.8	11.1	33.1	

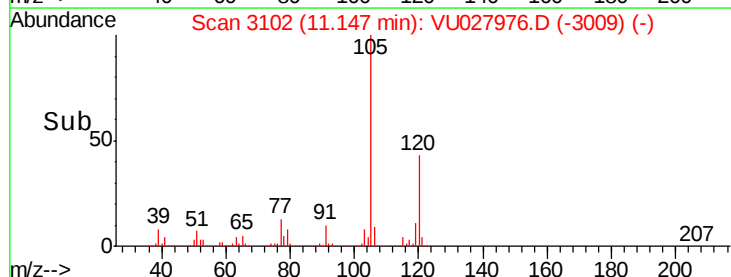
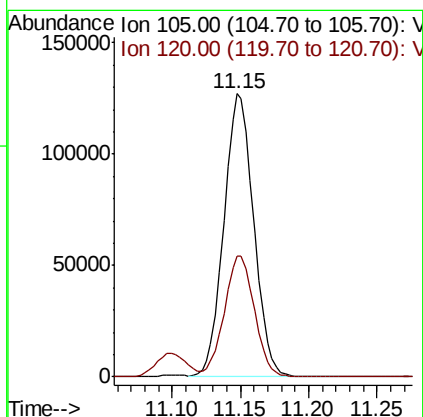
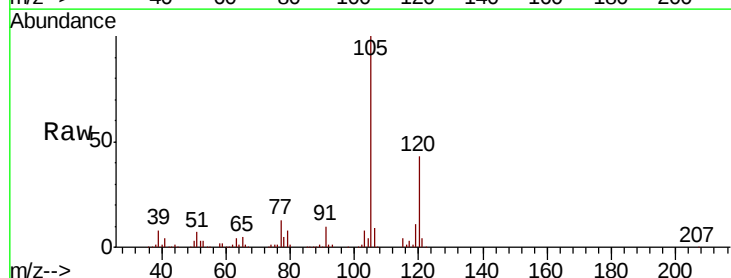
Manual Integrations
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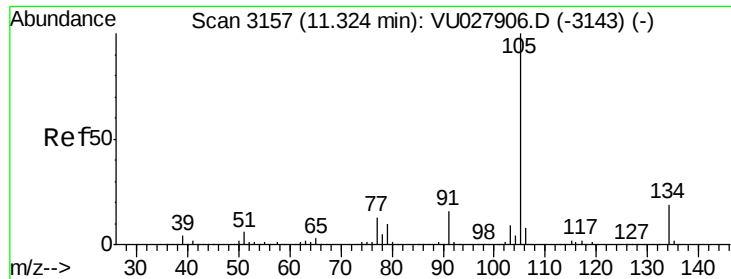
MMDadoda
11/6/2018 5:42:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.532 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193233		
120	43.4	22.1	66.1	





#85

sec-Butylbenzene

Concen: 19.598 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

ClientSampleId :

VU1106WBS01

Tot Ion:105 Resp: 234101

Ion Ratio Lower Upper

105 100

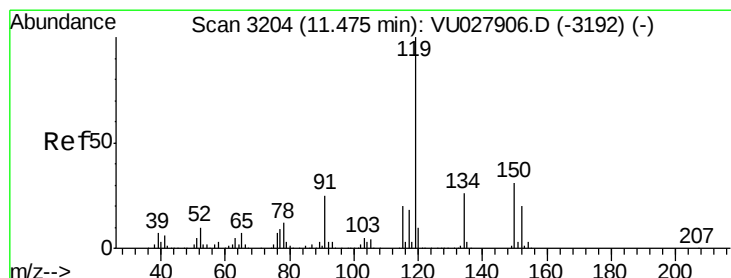
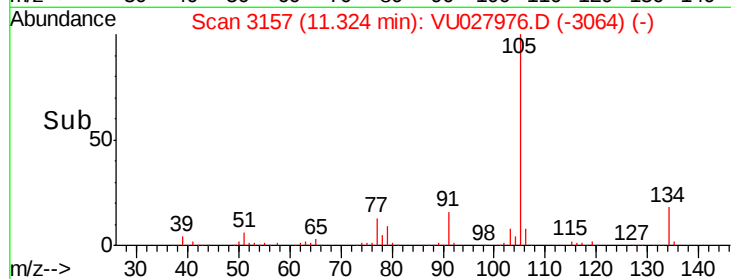
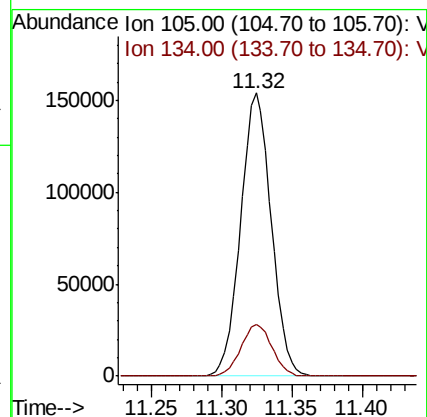
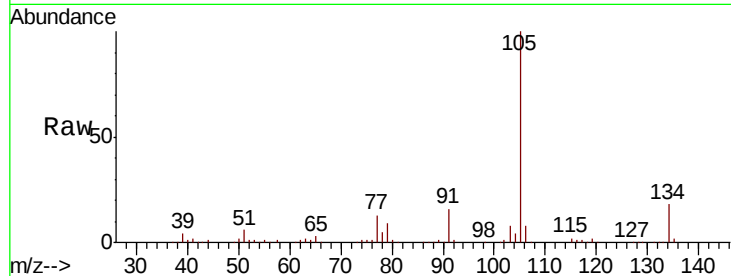
134 18.5 9.2 27.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.666 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

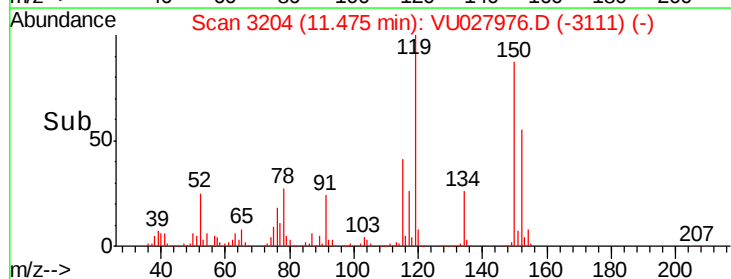
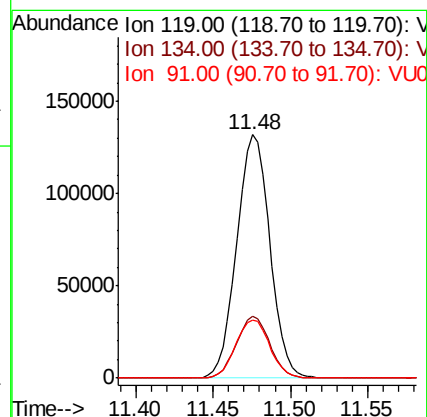
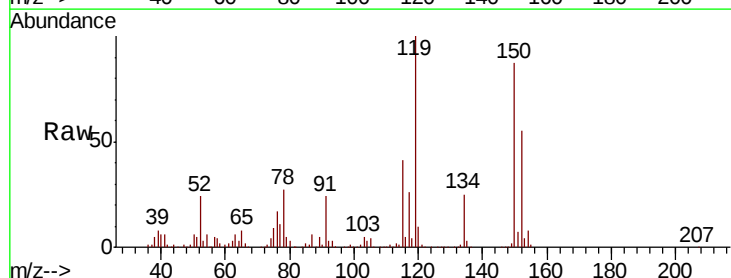
Tgt Ion:119 Resp: 196377

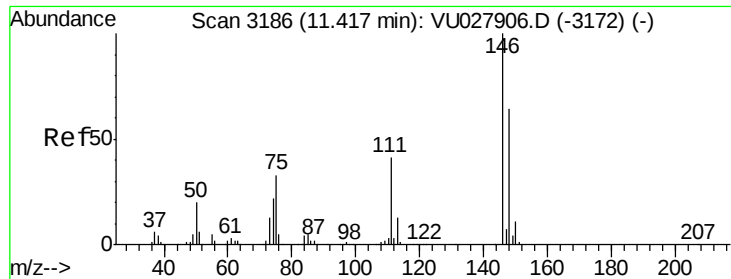
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 19.326 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Instrument :

MSVOA_U

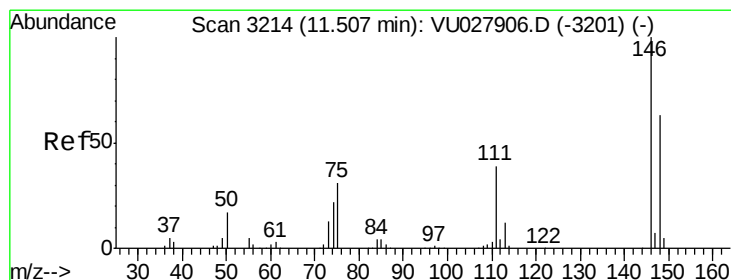
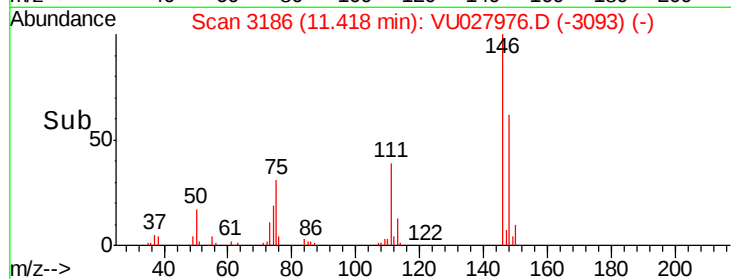
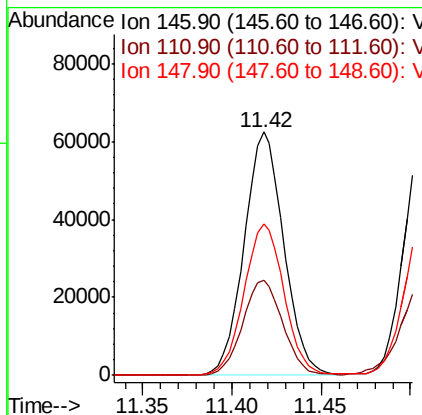
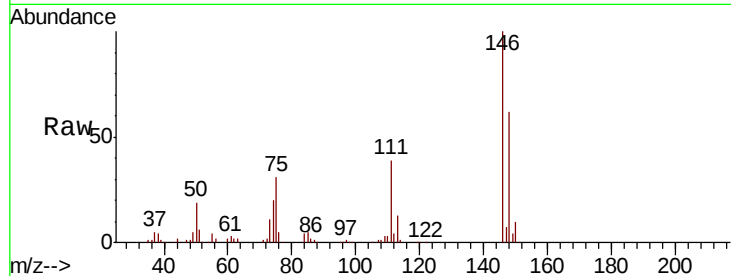
ClientSampleId :

VU1106WBS01

Tot Ion:	146	Resp:	97089
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	61.0
148	62.9	31.8	95.4

Manual Integrations
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11/6/2018 5:42:39 PM



#88

1,4-Dichlorobenzene

Concen: 18.762 ug/l

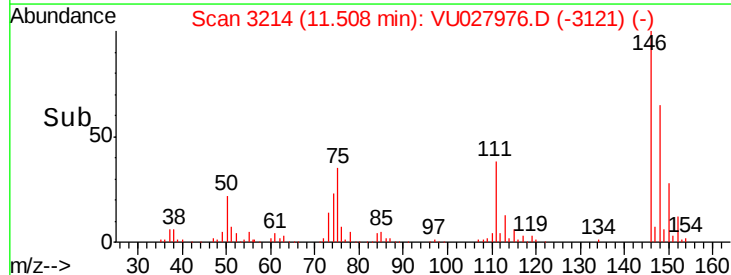
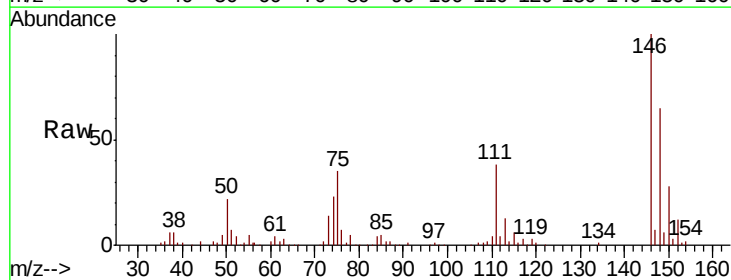
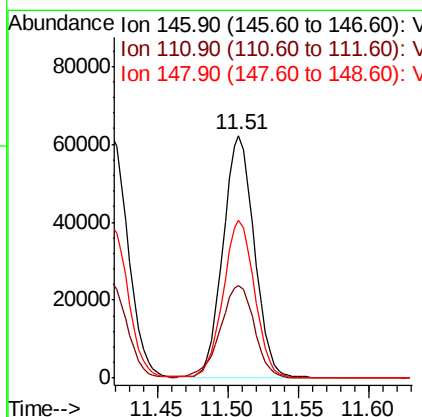
RT: 11.51 min Scan# 3214

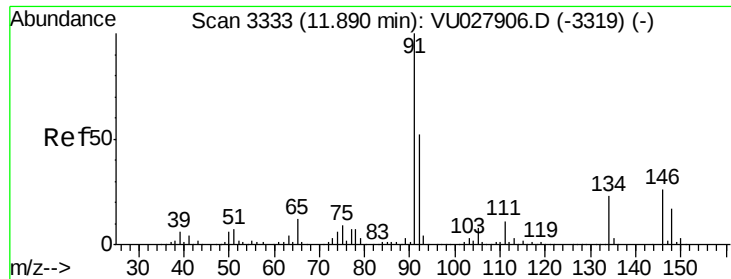
Delta R.T. 0.00 min

Lab File: VU027976.D

Acq: 06 Nov 2018 10:58

Tgt Ion:	146	Resp:	96608
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	60.9
148	64.9	32.0	96.2





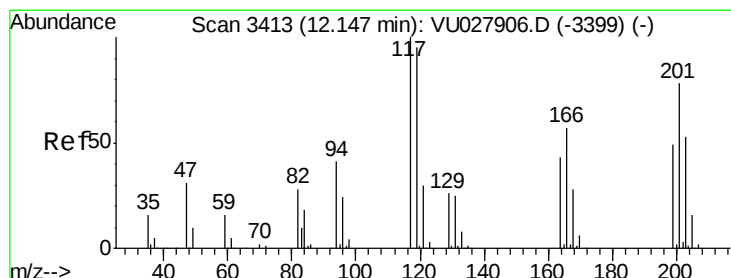
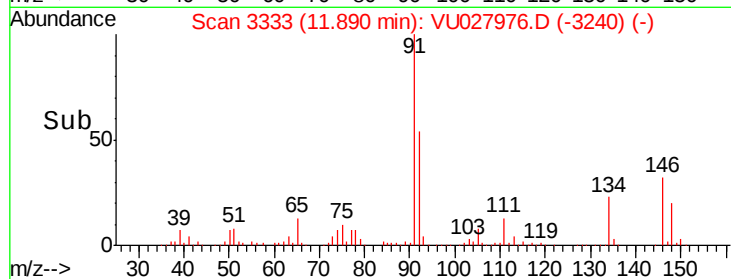
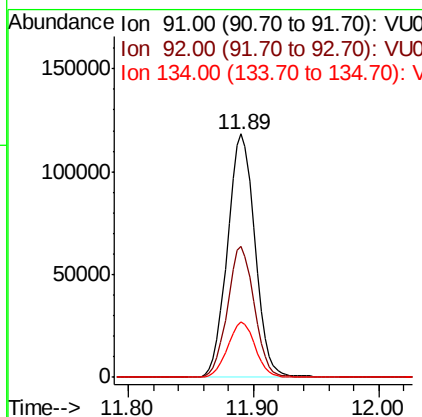
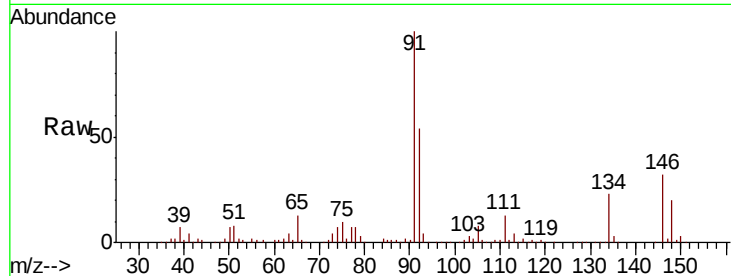
#89
n-Butylbenzene
Concen: 18.966 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	22.8	11.5	34.5

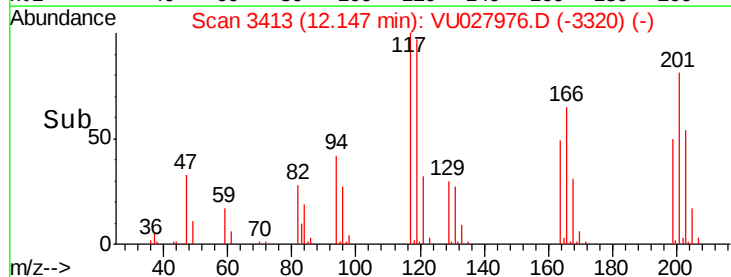
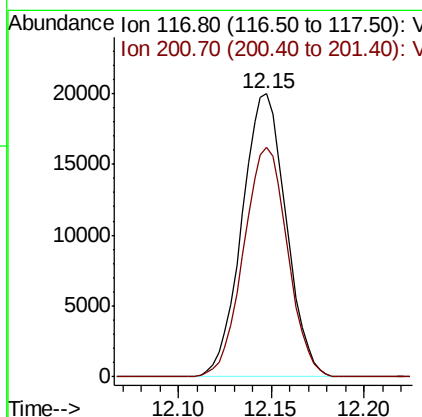
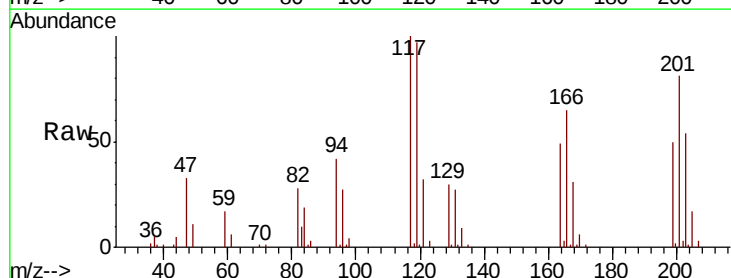
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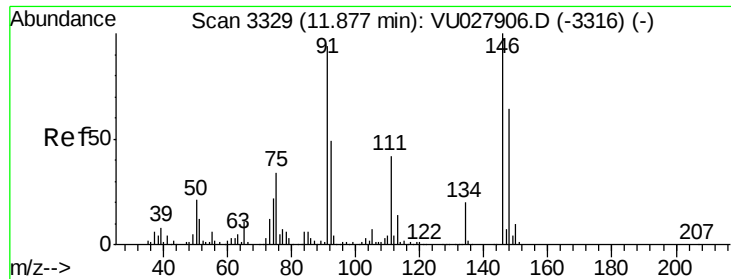
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#90
Hexachloroethane
Concen: 18.568 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	38.5	115.5





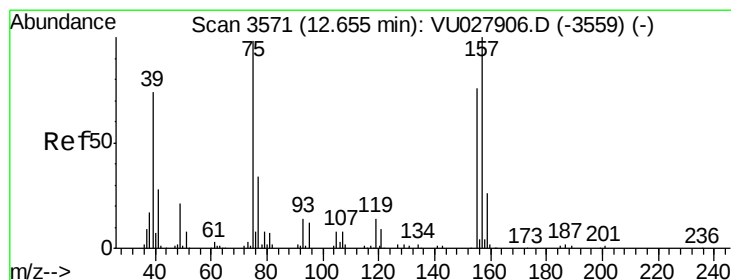
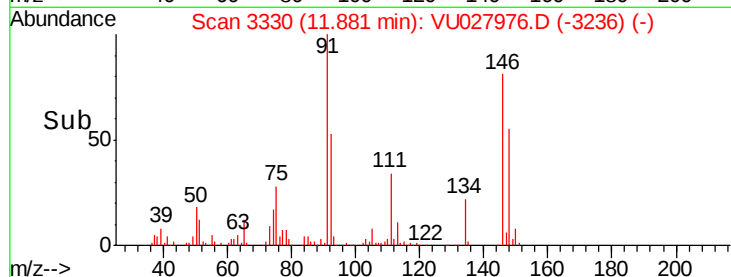
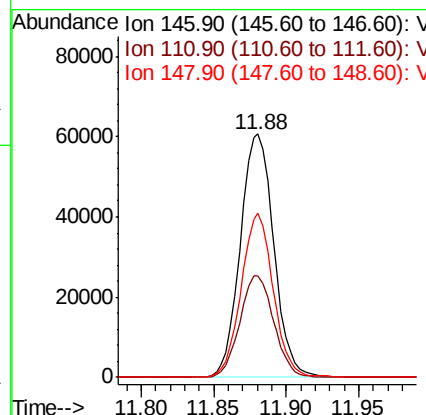
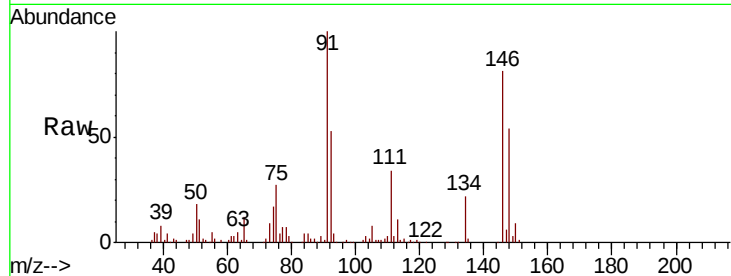
#91
 1,2-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	64.0
148	64.9	31.8	95.3

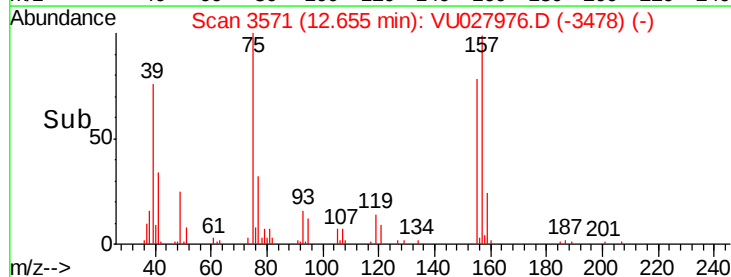
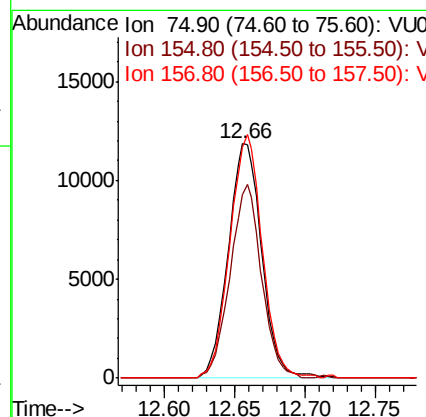
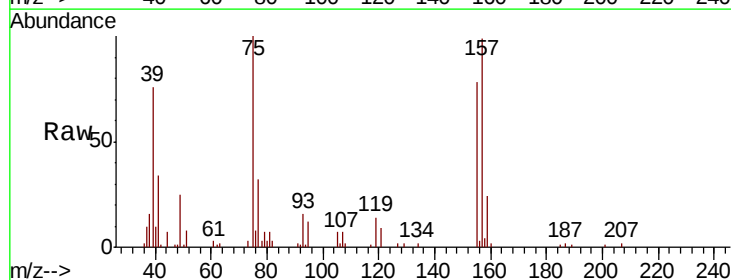
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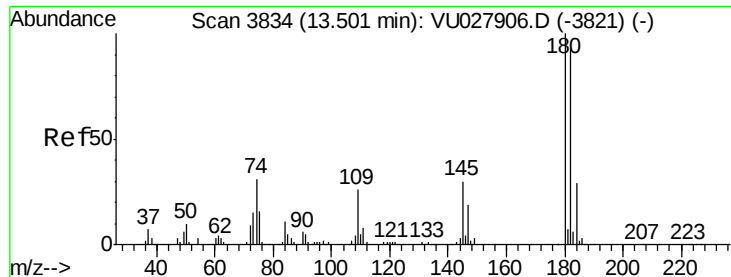
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.544 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.5	39.8	119.3
157	100.4	50.6	151.9





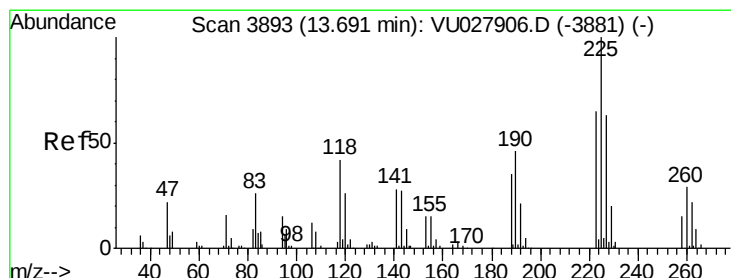
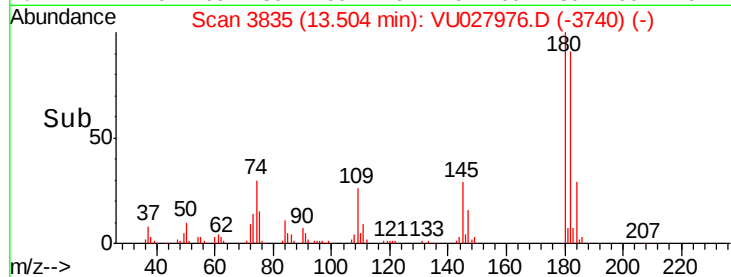
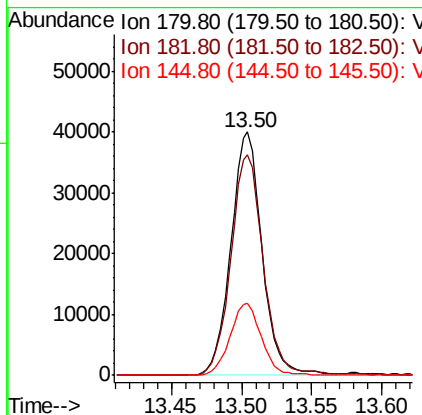
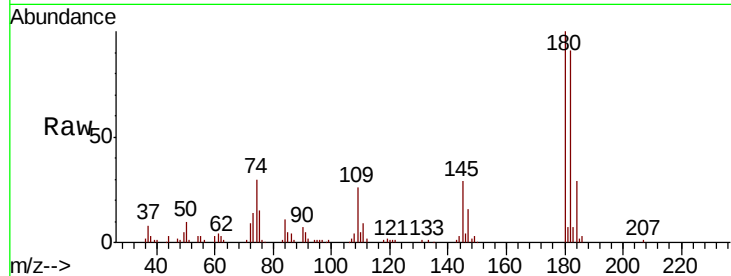
#93
 1,2,4-Trichlorobenzene
 Concen: 17.912 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.4	145.2
145	29.8	14.9	44.5

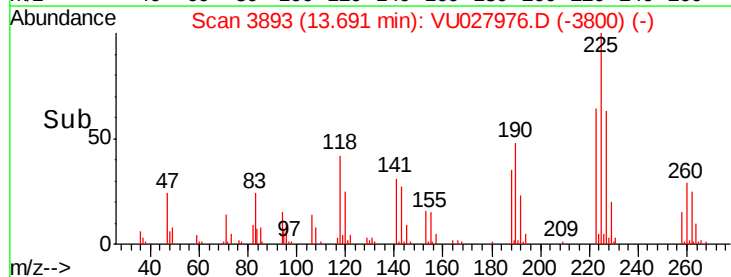
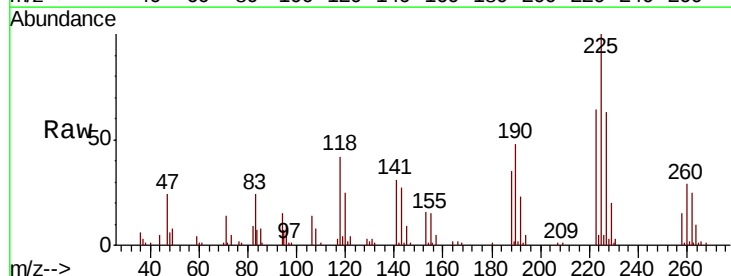
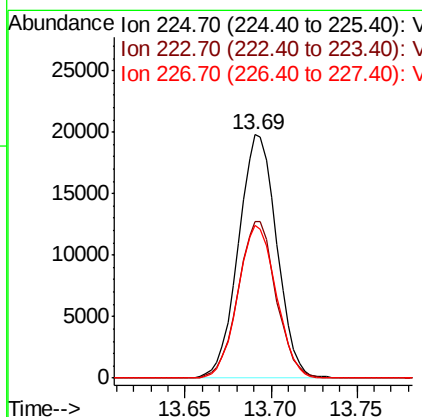
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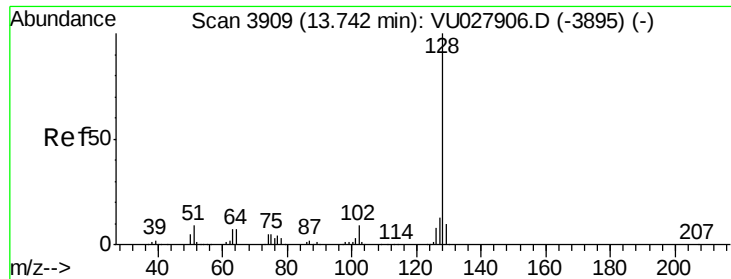
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#94
 Hexachlorobutadiene
 Concen: 19.139 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU027976.D
 Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.2	96.6
227	62.7	32.5	97.4





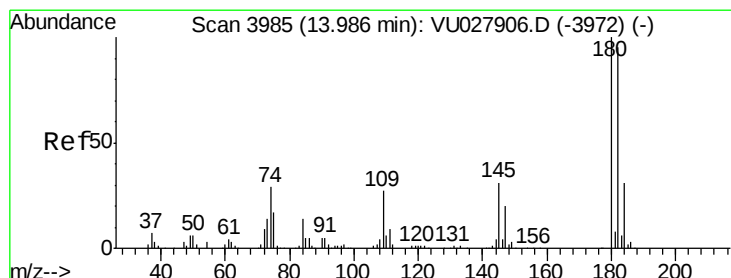
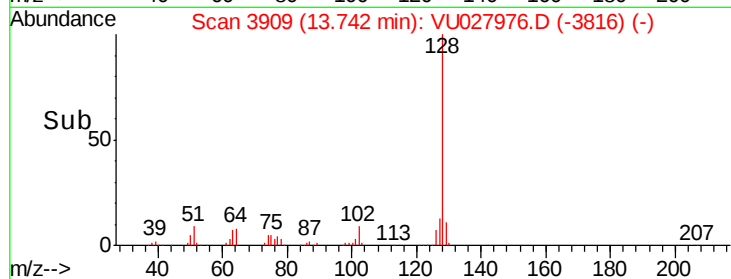
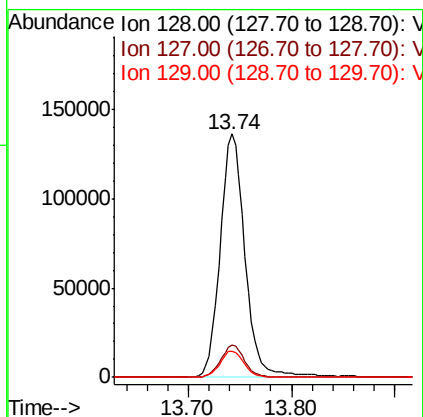
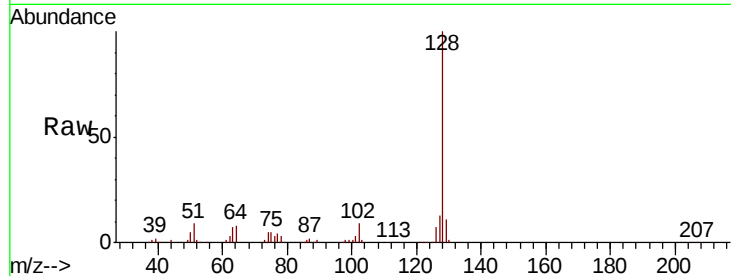
#95
Naphthalene
Concen: 18.065 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Instrument :
MSVOA_U
ClientSampleId :
VU1106WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.2	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.899 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027976.D
Acq: 06 Nov 2018 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.3
145	31.7	16.0	47.9

