

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090718\
 Data File : VU026616.D
 Acq On : 07 Sep 2018 11:55
 Operator : MD/SY
 Sample : VU0907WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 9:52:47 AM

Quant Time: Sep 07 23:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	25699	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	8779	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10331	0.96	ug/l	0.00
Spiked Amount	1.000		Recovery	=	96.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	16083	1.61	ug/l	99
3) Chloromethane	1.33	50	19032	2.23	ug/l	97
4) Vinyl Chloride	1.40	62	19153	2.24	ug/l	99
5) Bromomethane	1.63	94	8964	1.91	ug/l	99
6) Chloroethane	1.70	64	11922	2.33	ug/l	100
7) Trichlorofluoromethane	1.89	101	24101	1.91	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14327	2.05	ug/l	98
9) 1,1-Dichloroethene	2.29	96	12379	2.07	ug/l	97
10) Iodomethane	2.41	142	8880	1.16	ug/l	97
11) Allyl Chloride	2.59	41	23303	2.32	ug/l	96
12) Acrylonitrile	2.94	53	6649	4.91	ug/l	98
13) Acetone	2.33	43	19722	17.57	ug/l	100
14) Carbon Disulfide	2.48	76	44065	2.14	ug/l	98
15) Methylene Chloride	2.70	84	15953	2.21	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	14186	2.05	ug/l	94
17) 1,1-Dichloroethane	3.44	63	25680	2.03	ug/l	98
18) 2-Butanone	4.29	43	22478	11.61	ug/l	98
19) Cyclohexane	4.99	56	17211	1.85	ug/l	91
20) Methylcyclohexane	6.42	83	18844	1.73	ug/l	99
21) 2,2-Dichloropropane	4.23	77	20552	1.58	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	13963	1.67	ug/l	96
23) Diethyl Ether	2.11	59	10324	2.26	ug/l	96
24) tert-Butyl Alcohol	2.85	59	11833	25.30	ug/l #	84
25) Methyl tert-Butyl Ether	3.01	73	33855	2.18	ug/l	97
26) Bromochloromethane	4.55	128	6071	1.62	ug/l	91
27) Chloroform	4.68	83	25056	1.71	ug/l	97
28) 1,1,1-Trichloroethane	4.92	97	20425	1.57	ug/l	99
29) 1,1-Dichloropropene	5.14	75	17982	1.76	ug/l	98
30) Carbon Tetrachloride	5.14	117	18301	1.49	ug/l	100
31) Isopropyl Ether	3.58	45	38345	1.84	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	32053	1.76	ug/l	97
33) Tert-Amyl methyl ether	5.59	73	26124	1.68	ug/l	98
34) Propionitrile	4.34	54	5132	9.30	ug/l #	92
35) Benzene	5.39	78	52192	1.76	ug/l	100
36) 1,2-Dichloroethane	5.41	62	15114	1.65	ug/l	99
37) Trichloroethene	6.19	130	13546	1.63	ug/l	99
38) 1,2-Dichloropropane	6.44	63	13914	1.81	ug/l	100
39) Methacrylonitrile	4.56	41	4299	1.85	ug/l	96
40) Methyl acrylate	4.44	55	6733	1.91	ug/l	98
41) Tetrahydrofuran	4.66	42	4758	3.67	ug/l	99
42) 1-Chlorobutane	5.07	56	24857	1.79	ug/l	98

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 Data File : VU026616.D
 Acq On : 07 Sep 2018 11:55
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 Sample : VU0907WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Sep 07 23:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	6847	1.68	ug/l	99
44) Bromodichloromethane	6.76	83	17338	1.65	ug/l	96
45) 4-Methyl-2-Pentanone	7.47	43	38613	9.35	ug/l	97
46) t-1,4-Dichloro-2-butene	10.51	75	6028m	3.31	ug/l	
47) Methyl methacrylate	6.63	69	10920	3.51	ug/l	97
48) Ethyl methacrylate	8.02	69	9849	1.73	ug/l	100
49) Toluene	7.64	92	28426	1.68	ug/l	94
50) t-1,3-Dichloropropene	7.88	75	14353	1.60	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	17490	1.68	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	9321	1.69	ug/l	96
53) 1,3-Dichloropropane	8.25	76	15847	1.73	ug/l	99
54) 2-Hexanone	8.37	43	29191	9.93	ug/l	98
55) Dibromochloromethane	8.48	129	11228	1.52	ug/l	100
56) 1,2-Dibromoethane	8.59	107	8712	1.62	ug/l	98
58) Tetrachloroethene	8.23	164	12482	1.58	ug/l	98
59) Chlorobenzene	9.12	112	33091	1.69	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	12520	1.60	ug/l	99
61) Pentachloroethane	11.10	117	10218	1.53	ug/l	97
62) Hexachloroethane	12.15	117	10100	1.52	ug/l	95
63) Ethyl Benzene	9.25	91	50575	1.63	ug/l	99
64) m/p-Xylenes	9.38	106	40186	3.24	ug/l	100
65) o-Xylene	9.78	106	19216	1.62	ug/l	99
66) Styrene	9.79	104	32652	1.61	ug/l	99
67) Bromoform	9.96	173	6690	1.54	ug/l	98
69) Isopropylbenzene	10.17	105	50656	1.62	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	11949	1.72	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	7801m	1.57	ug/l	
72) Bromobenzene	10.46	156	13973	1.60	ug/l	100
73) n-propylbenzene	10.59	120	13947	1.53	ug/l	95
74) 2-Chlorotoluene	10.66	126	13796	1.67	ug/l	87
75) 1,3,5-Trimethylbenzene	10.77	105	44737	1.61	ug/l	100
76) 4-Chlorotoluene	10.77	126	13971	1.65	ug/l	92
77) tert-Butylbenzene	11.10	119	43557	1.57	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	45705	1.59	ug/l	100
79) sec-Butylbenzene	11.32	105	58344	1.61	ug/l	98
80) Nitrobenzene	12.86	77	2283	7.54	ug/l #	95
81) p-Isopropyltoluene	11.48	119	47398	1.54	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	28871	1.57	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	28712	1.56	ug/l	98
84) n-Butylbenzene	11.89	91	45259	1.52	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	26359	1.56	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1659	1.36	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	17477	1.47	ug/l	99
88) Hexachlorobutadiene	13.69	225	11764	1.62	ug/l	97
89) Naphthalene	13.75	128	25790	1.38	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	16664	1.49	ug/l	97

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

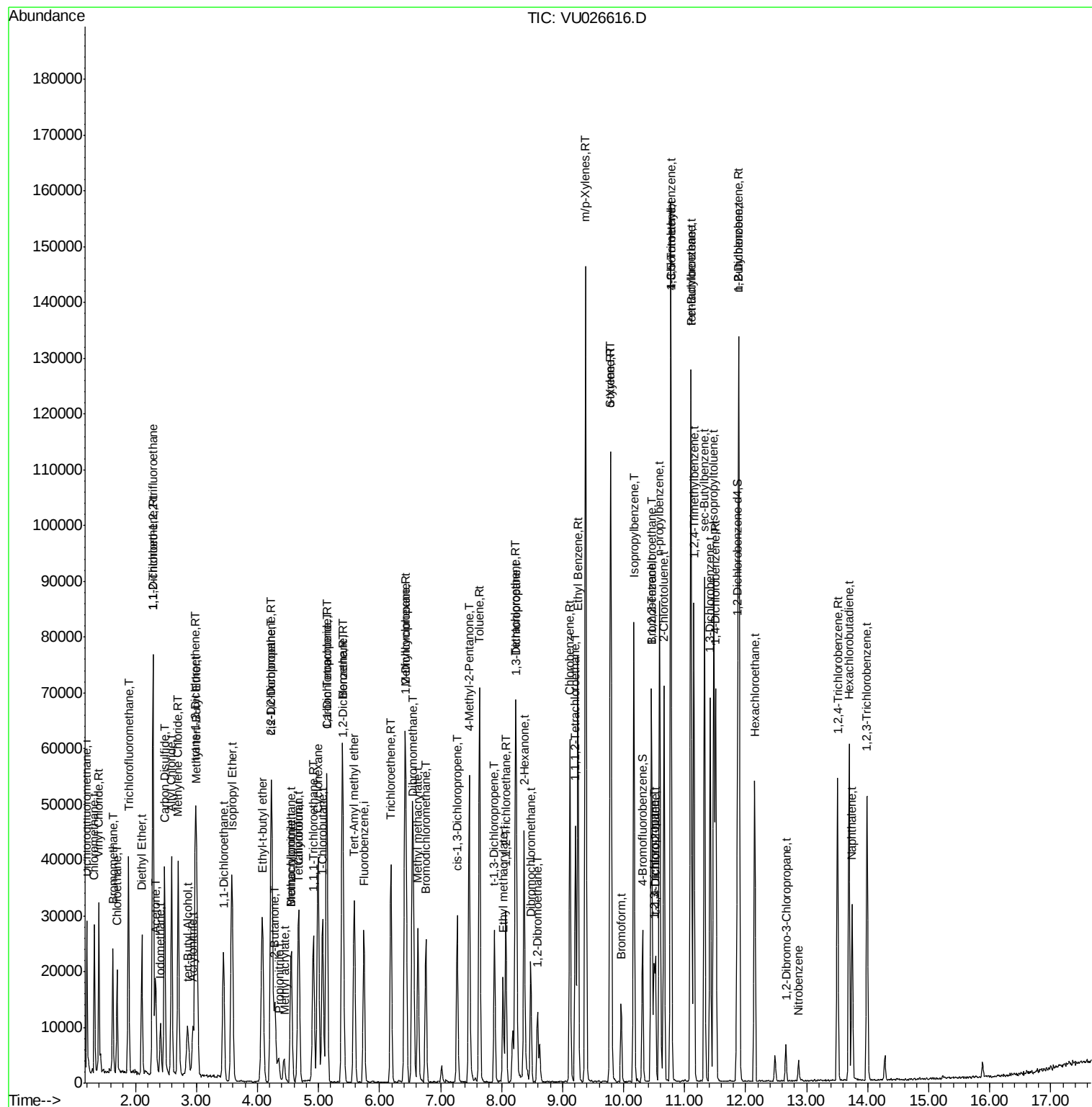
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090718\
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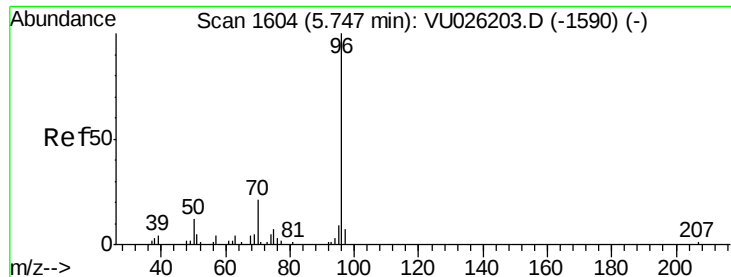
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1422

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

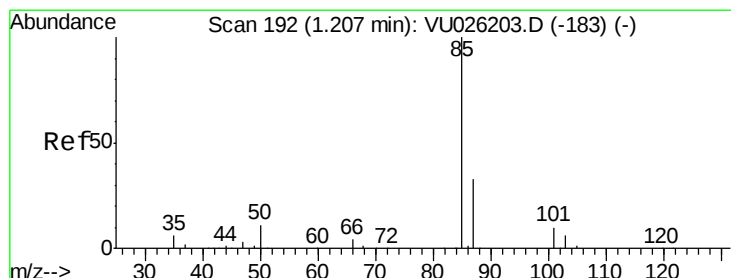
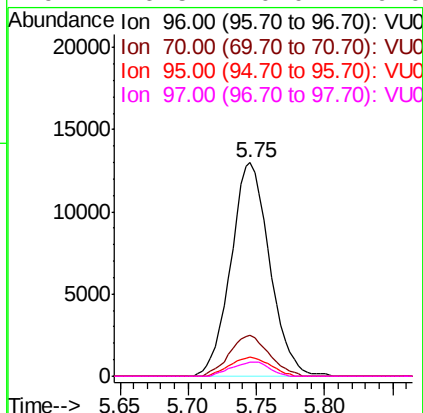
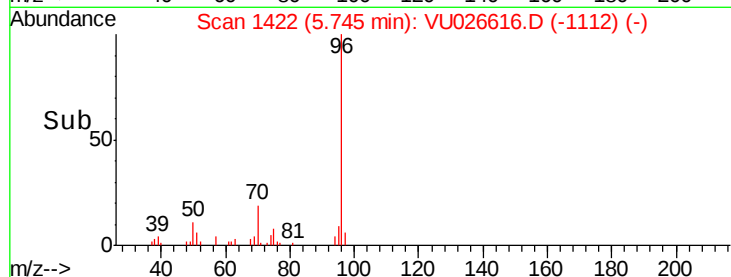
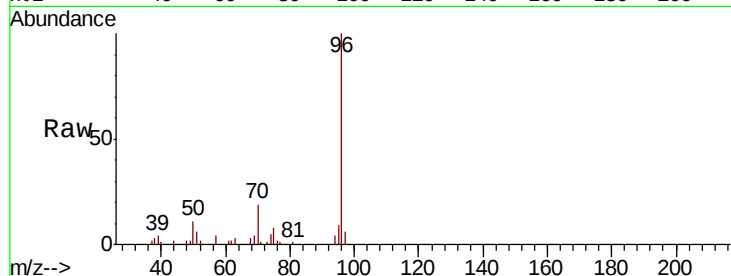
ClientSampleId :

VU0907WBSD01

Tot Ion:	96	Resp:	25699
Ion	Ratio	Lower	Upper
96	100		
70	19.5	16.2	24.4
95	9.1	6.9	10.3
97	6.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.61 ug/l

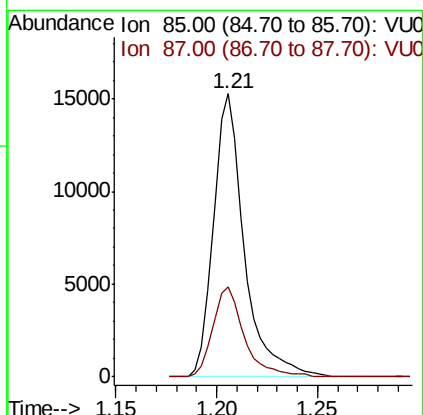
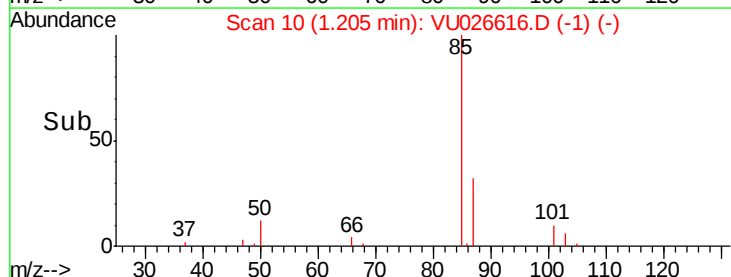
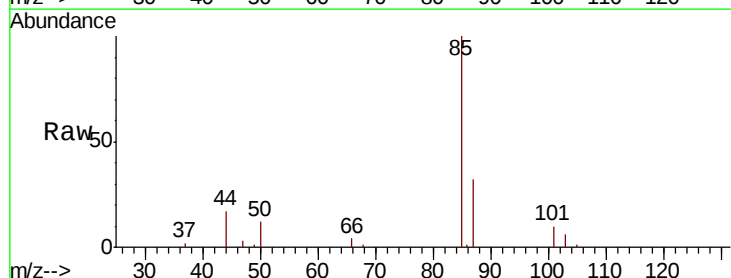
RT: 1.21 min Scan# 10

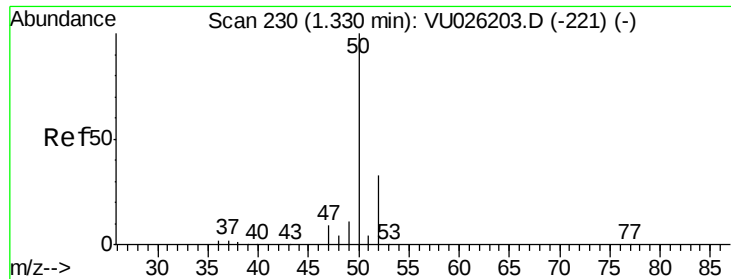
Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Tgt Ion:	85	Resp:	16083
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 2.23 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 50 Resp: 19032

Ion Ratio Lower Upper

50 100

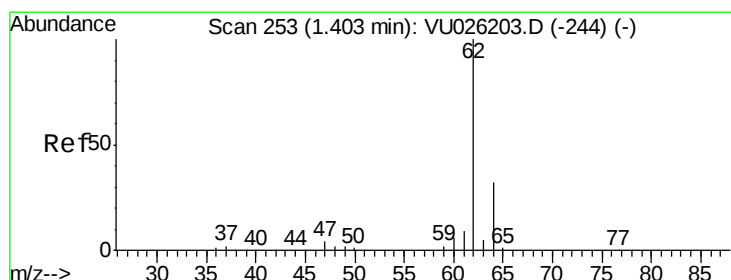
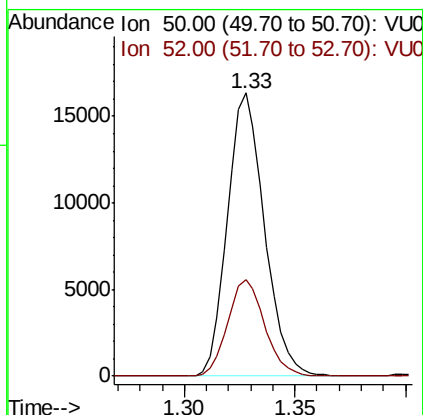
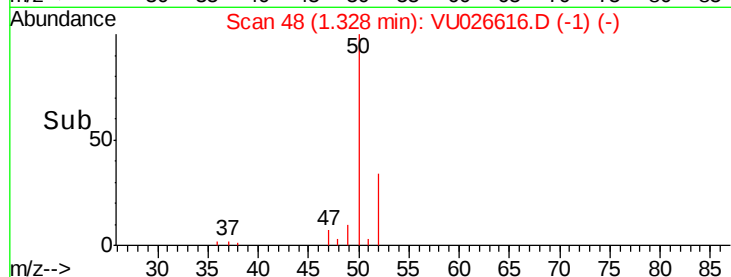
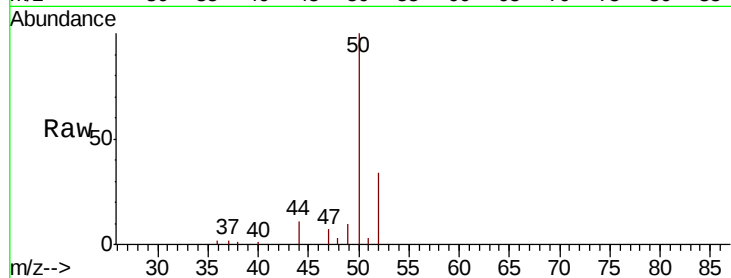
52 34.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 2.24 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026616.D

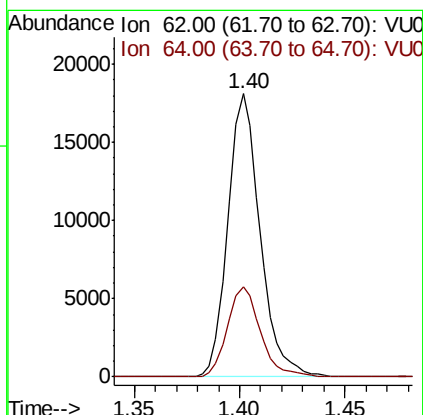
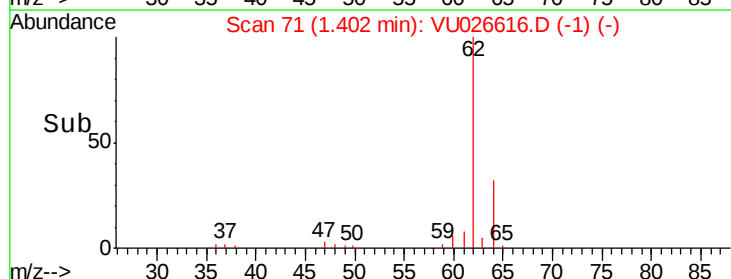
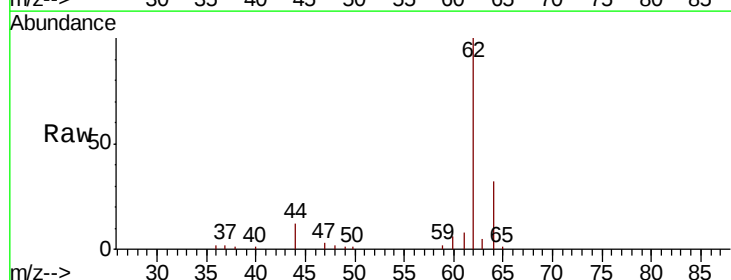
Acq: 07 Sep 2018 11:55

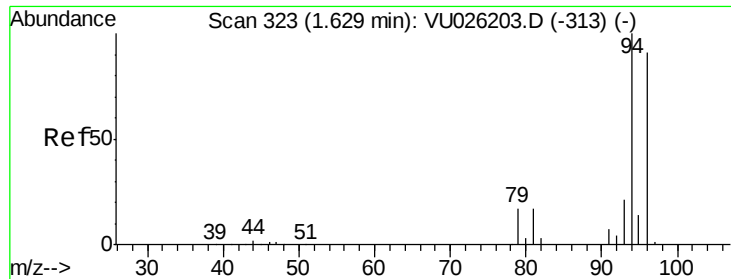
Tgt Ion: 62 Resp: 19153

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 1.91 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 94 Resp: 8964

Ion Ratio Lower Upper

94 100

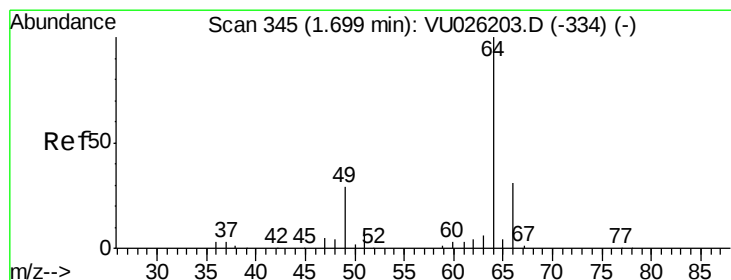
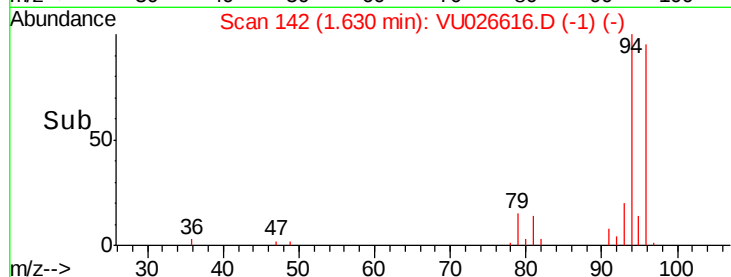
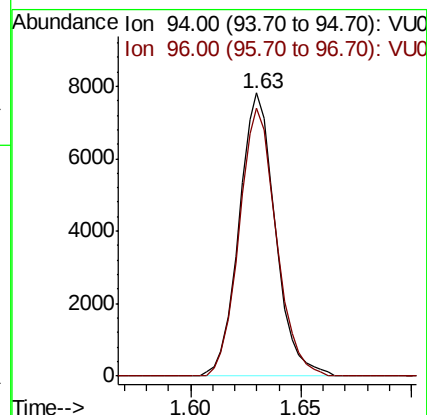
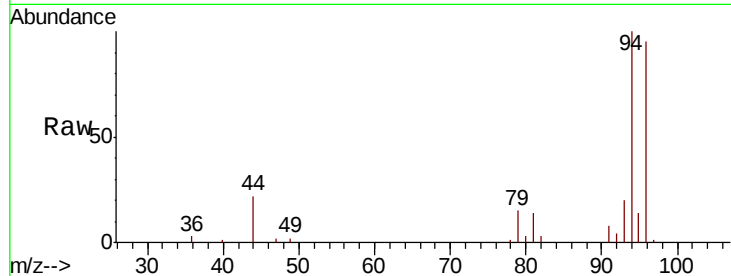
96 94.6 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 2.33 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026616.D

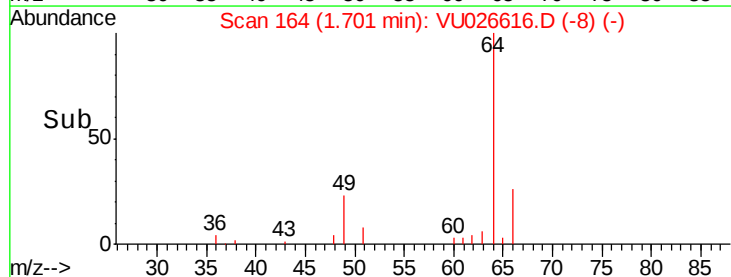
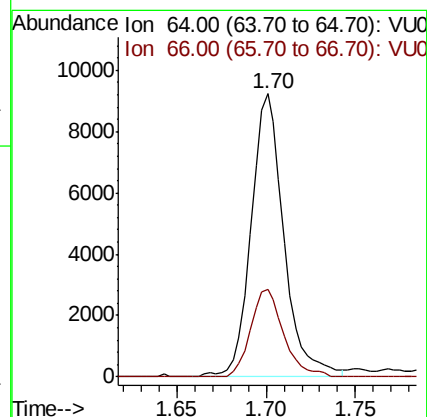
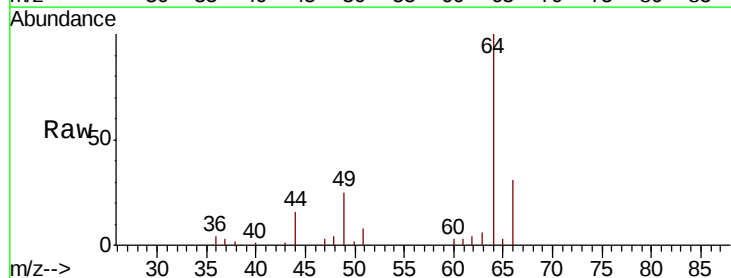
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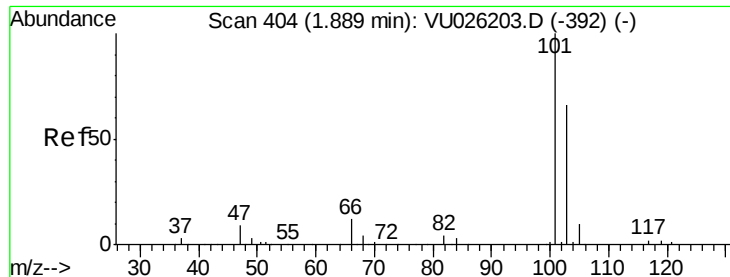
Tgt Ion: 64 Resp: 11922

Ion Ratio Lower Upper

64 100

66 30.9 24.9 37.3





#7

Trichlorofluoromethane

Concen: 1.91 ug/l

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion:101 Resp: 24101

Ion Ratio Lower Upper

101 100

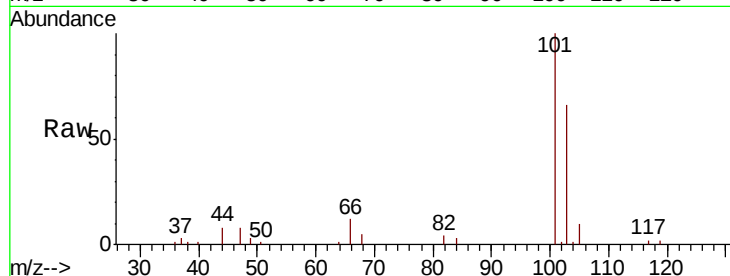
103 65.8 51.4 77.0

Manual Integrations

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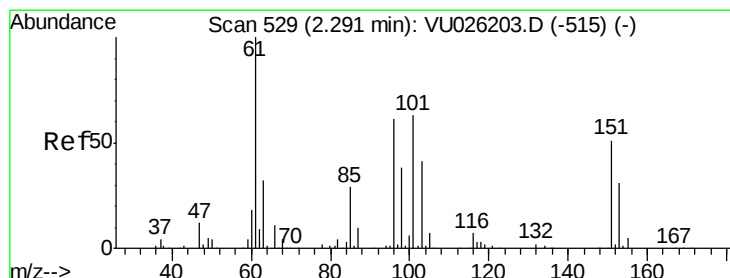
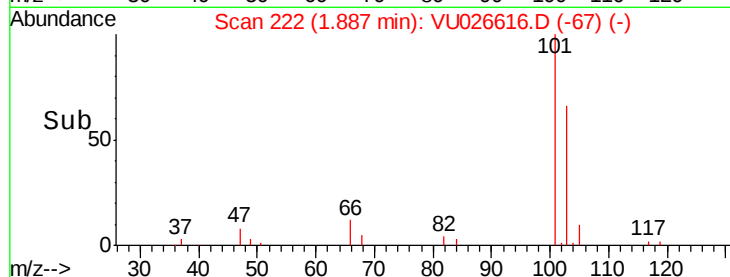
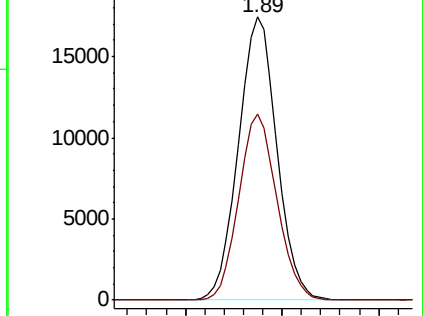
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.05 ug/l

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

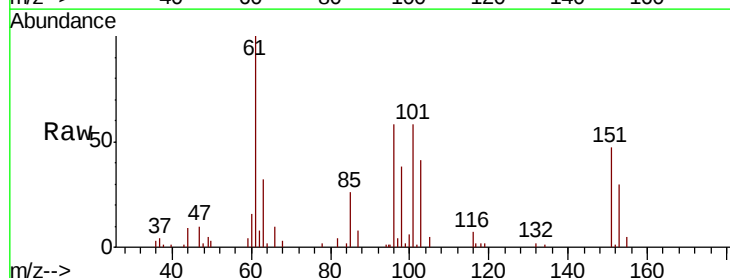
Tgt Ion:101 Resp: 14327

Ion Ratio Lower Upper

101 100

85 44.5 35.2 52.8

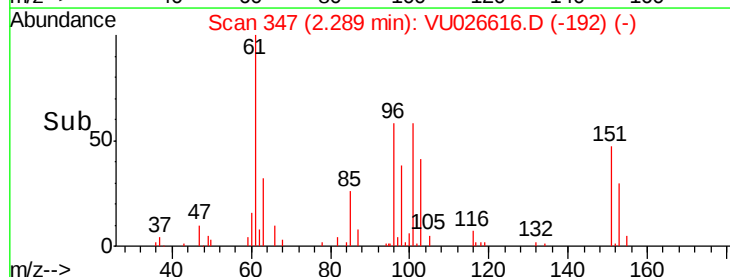
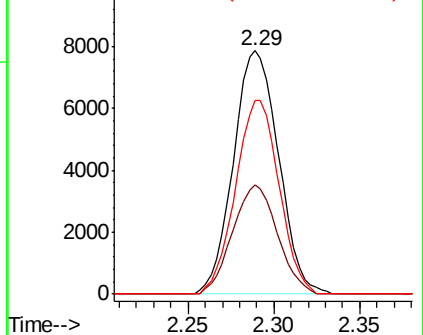
151 76.5 63.5 95.3

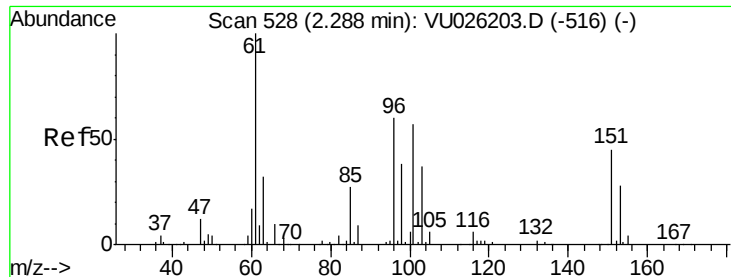


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.07 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

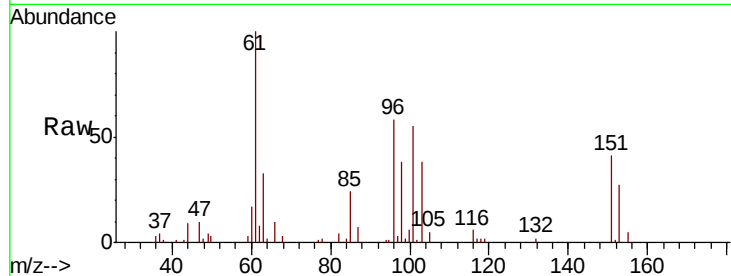
ClientSampleId :

VU0907WBSD01

Tot Ion:	96	Resp:	12379
Ion	Ratio	Lower	Upper
96	100		
61	172.7	0.0	526.5
98	66.3	0.0	123.4

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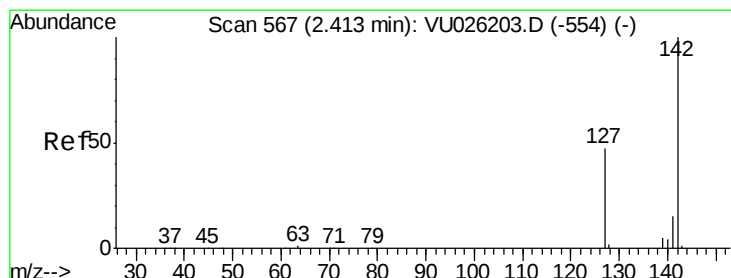
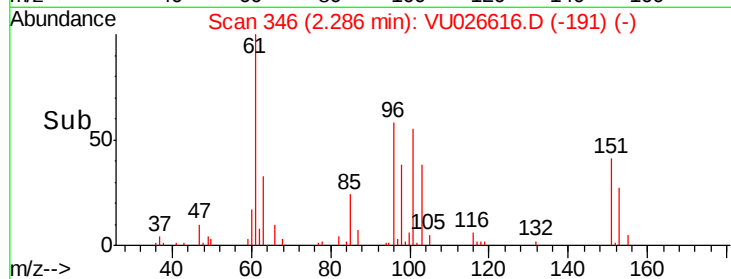
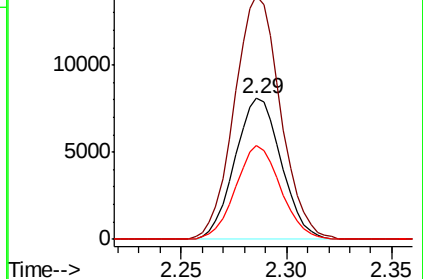
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Abundance Ion 96.00 (95.70 to 96.70): VU026616.D (-191) (-)

Ion 61.00 (60.70 to 61.70): VU026616.D (-191) (-)

Ion 98.00 (97.70 to 98.70): VU026616.D (-191) (-)



#10

Iodomethane

Concen: 1.16 ug/l

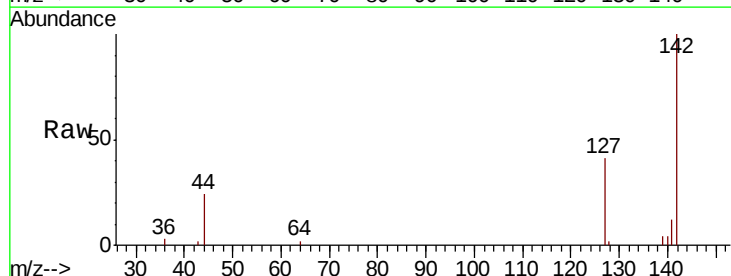
RT: 2.41 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU026616.D

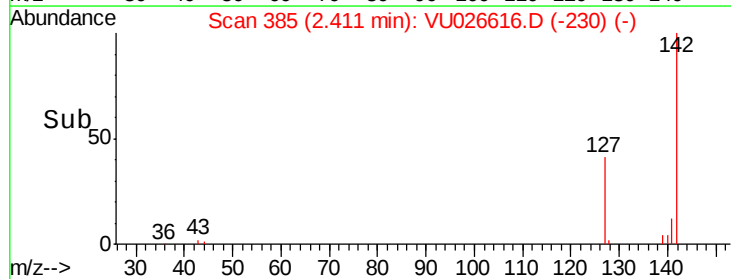
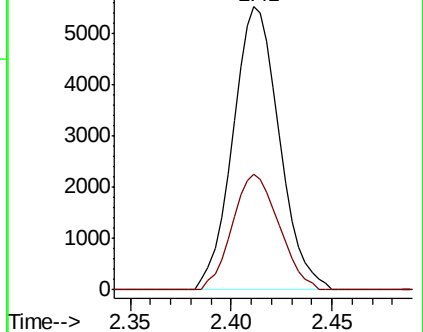
Acq: 07 Sep 2018 11:55

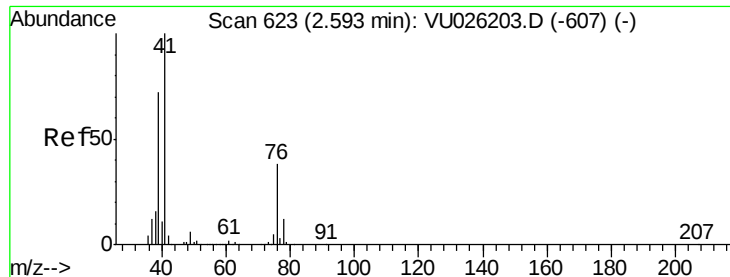
Tgt Ion:	142	Resp:	8880
Ion	Ratio	Lower	Upper
142	100		
127	41.0	34.5	51.7



Abundance Ion 142.00 (141.70 to 142.70): VU026616.D (-230) (-)

Ion 127.00 (126.70 to 127.70): VU026616.D (-230) (-)





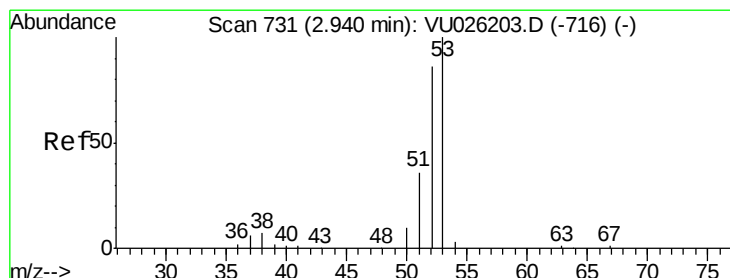
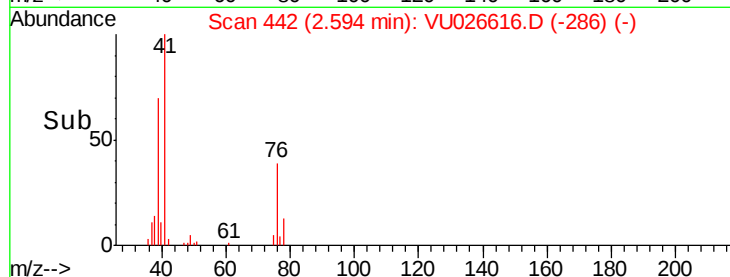
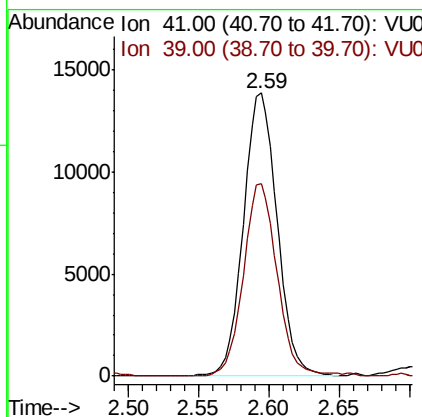
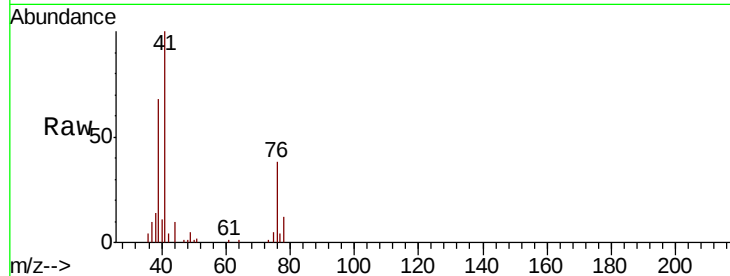
#11
Allv1 Chloride
Concen: 2.32 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion: 41 Resp: 23303
Ion Ratio Lower Upper
41 100
39 67.7 51.4 77.2

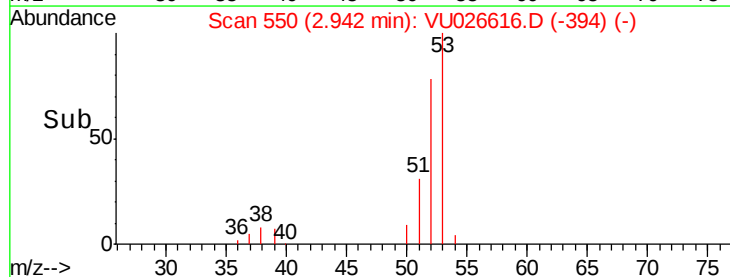
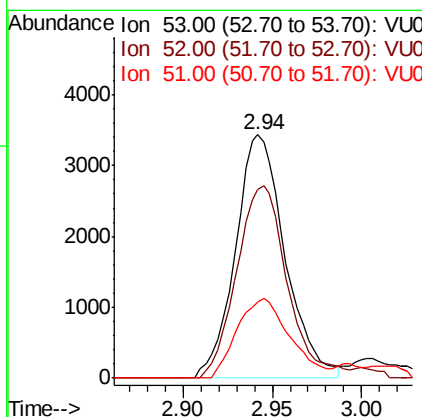
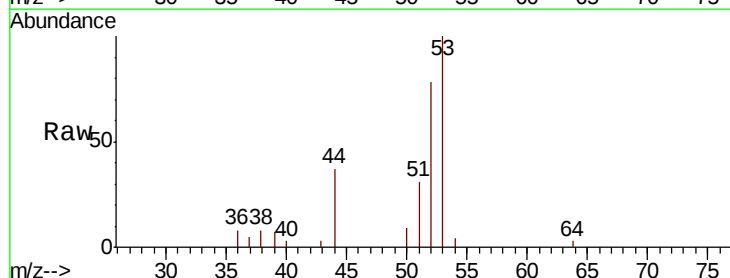
Manual Integrations
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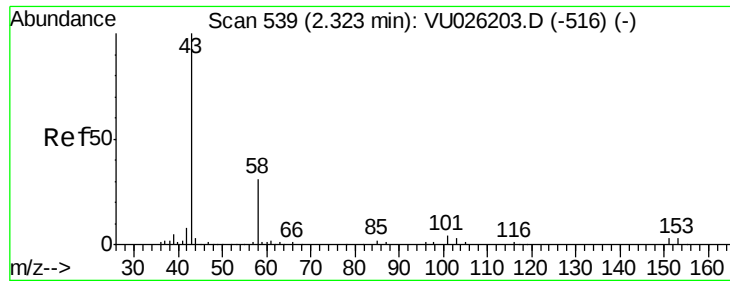
MMDadoda
9/10/2018 9:52:47 AM



#12
Acrylonitrile
Concen: 4.91 ug/l
RT: 2.94 min Scan# 550
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion: 53 Resp: 6649
Ion Ratio Lower Upper
53 100
52 80.9 65.1 97.7
51 34.8 30.2 45.4





#13

Acetone

Concen: 17.57 ug/l

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Tot Ion: 43 Resp: 19722

Ion Ratio Lower Upper

43 100

58 32.6 26.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

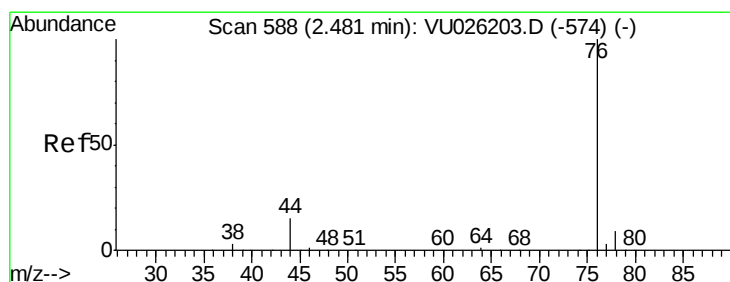
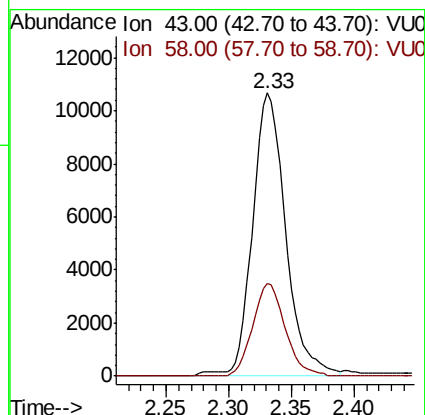
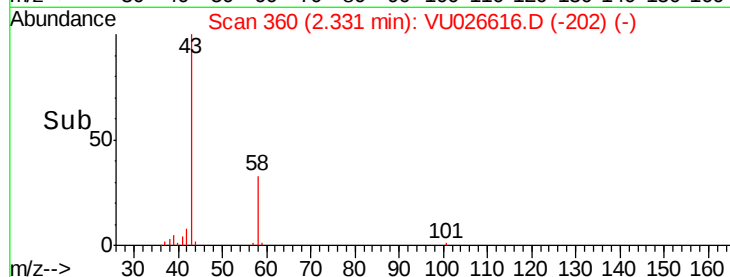
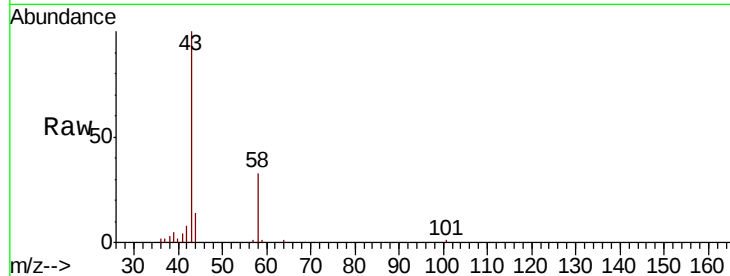
VU0907WBSD01

Manual Integrations

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#14

Carbon Disulfide

Concen: 2.14 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU026616.D

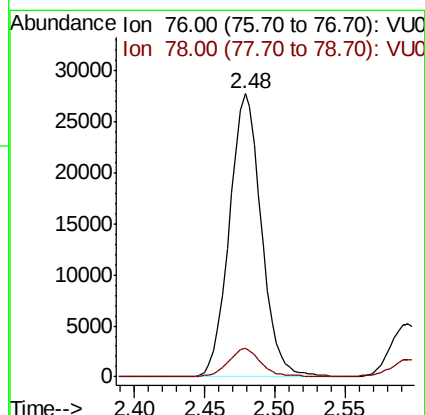
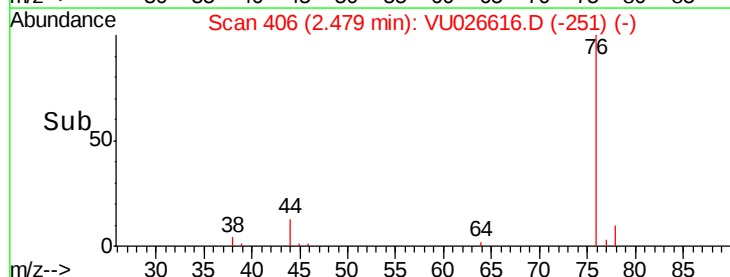
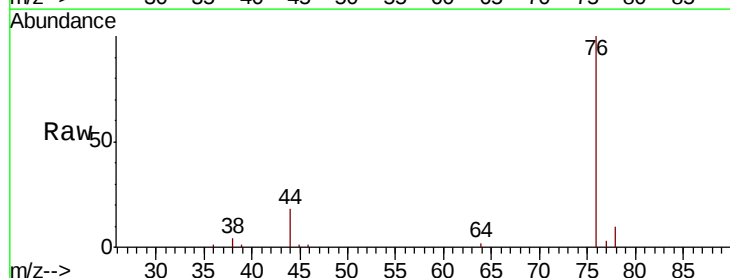
Acq: 07 Sep 2018 11:55

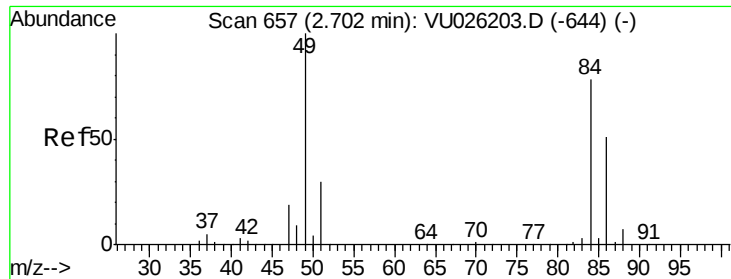
Tgt Ion: 76 Resp: 44065

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9





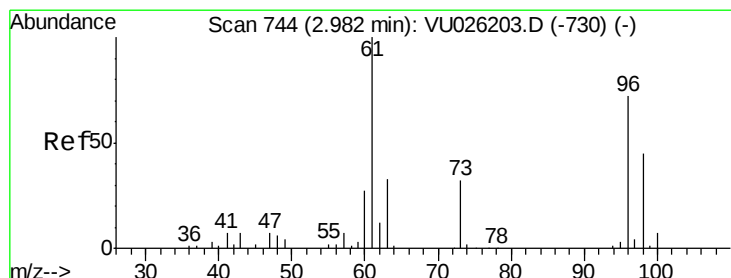
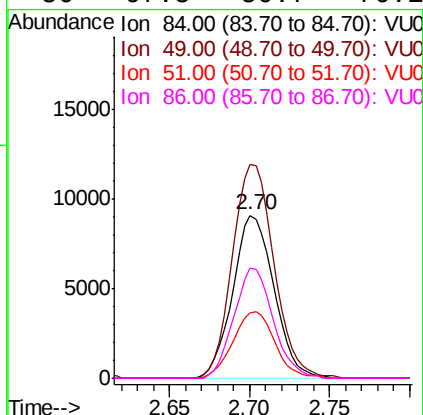
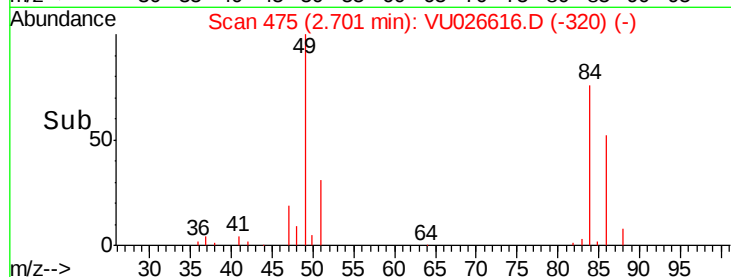
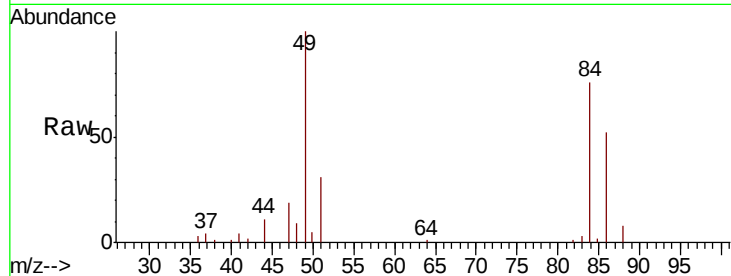
#15
Methvlene Chloride
Concen: 2.21 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion:	84	Resp:	15953
Ion	Ratio	Lower	Upper
84	100		
49	131.0	108.7	163.1
51	40.4	0.0	82.4
86	67.5	50.7	76.1

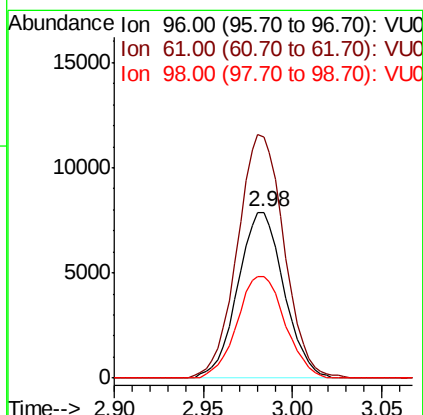
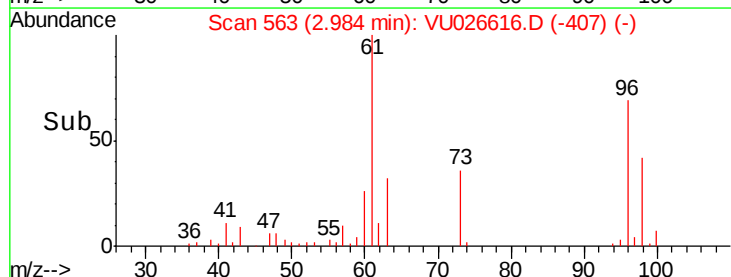
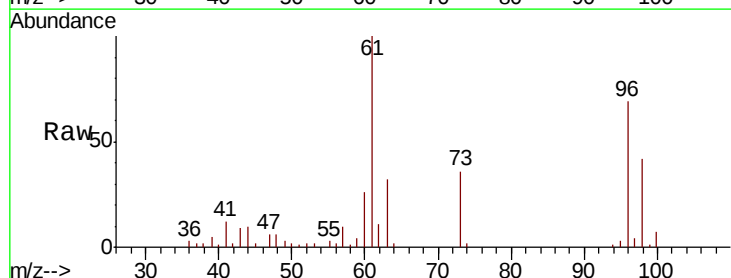
Manual Integrations
APPROVED

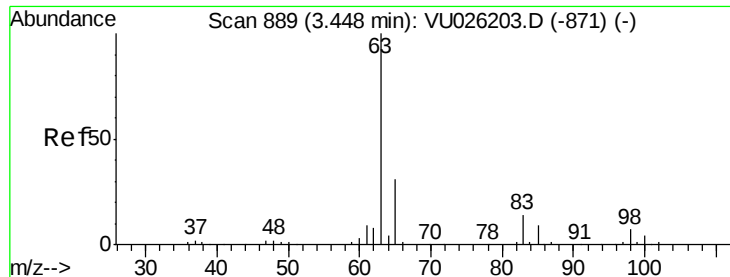
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#16
trans-1,2-Dichloroethene
Concen: 2.05 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion:	96	Resp:	14186
Ion	Ratio	Lower	Upper
96	100		
61	145.5	123.9	185.9
98	61.3	50.6	76.0





#17

1,1-Dichloroethane

Concen: 2.03 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.01 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

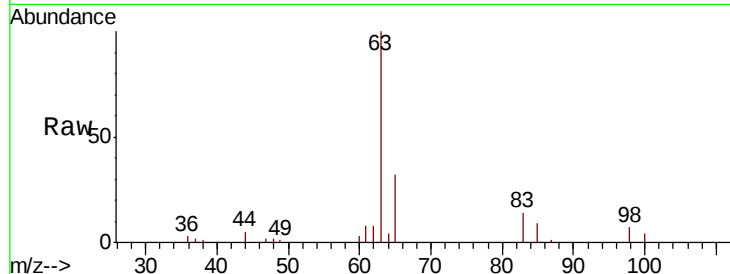
ClientSampleId :

VU0907WBSD01

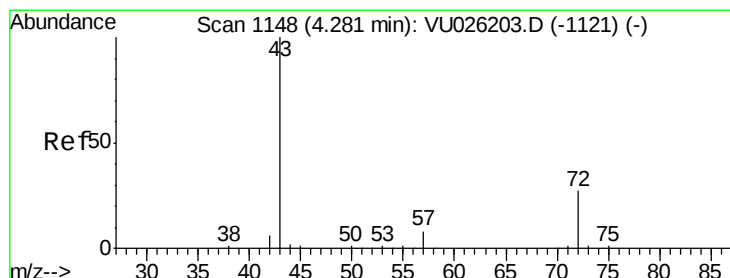
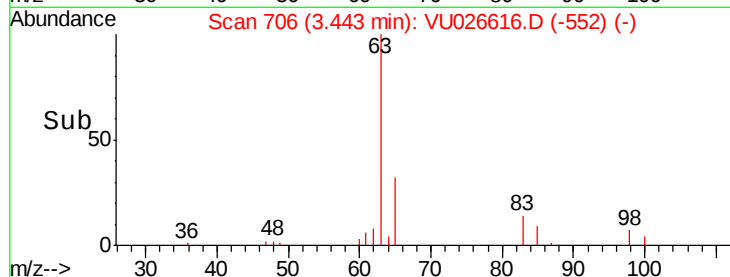
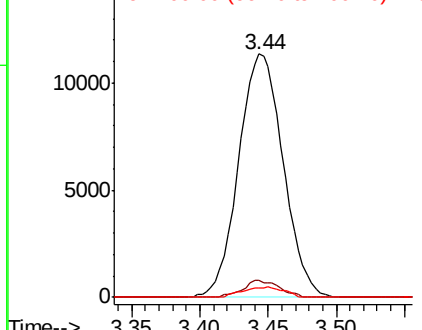
Tot Ion:	63	Resp:	25680
Ion Ratio	Lower	Upper	
63	100		
98	7.0	2.9	8.8
100	4.0	2.0	5.8

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU026616.D (-552) (-)



#18

2-Butanone

Concen: 11.61 ug/l

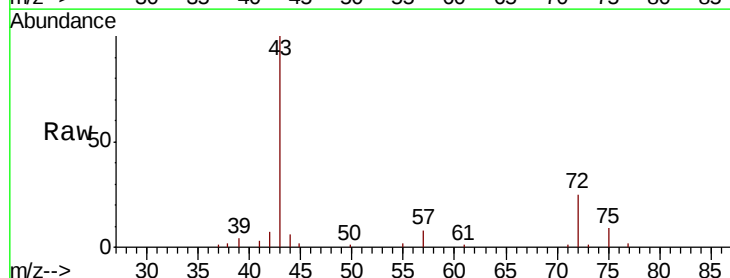
RT: 4.29 min Scan# 968

Delta R.T. 0.00 min

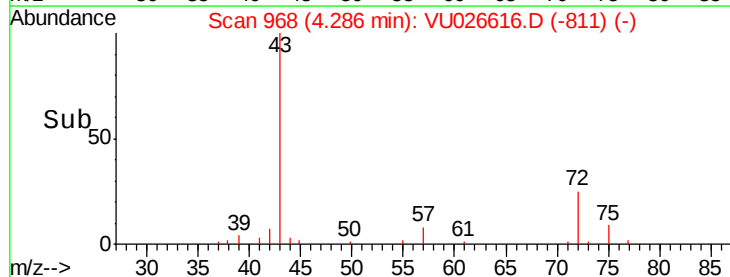
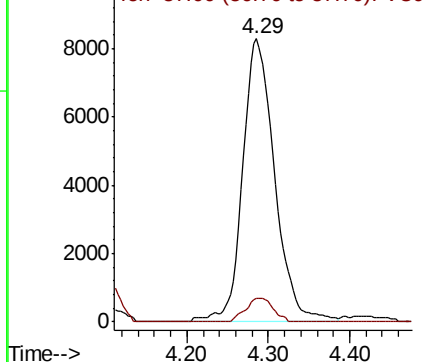
Lab File: VU026616.D

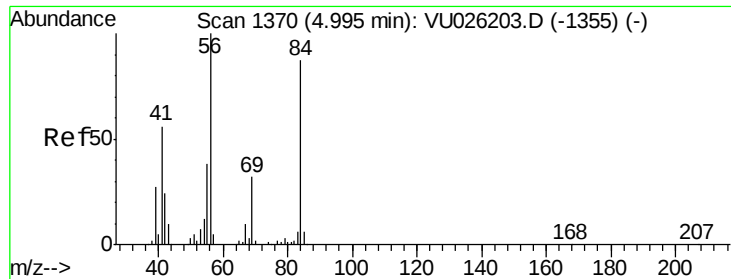
Acq: 07 Sep 2018 11:55

Tgt Ion:	43	Resp:	22478
Ion Ratio	Lower	Upper	
43	100		
57	8.4	0.0	15.8



Abundance Ion 43.00 (42.70 to 43.70): VU026616.D (-811) (-)





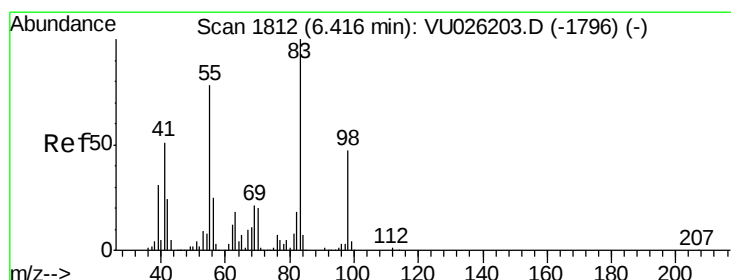
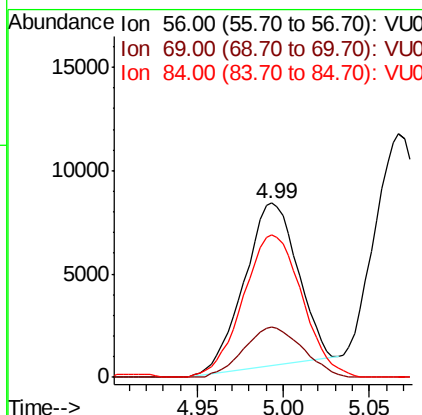
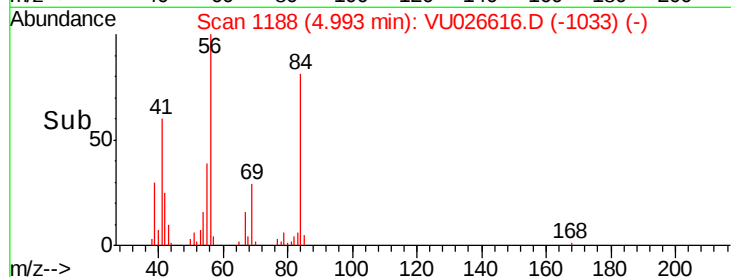
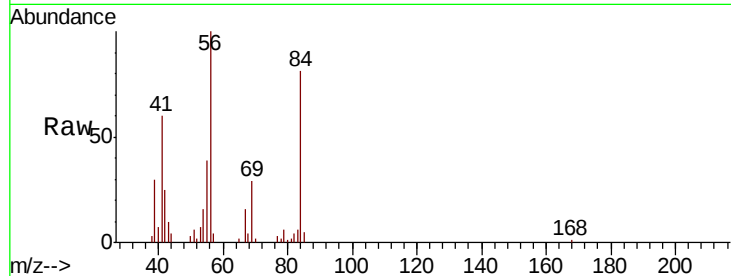
#19
Cyclohexane
Concen: 1.85 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.0	39.0
84	95.7	68.3	102.5

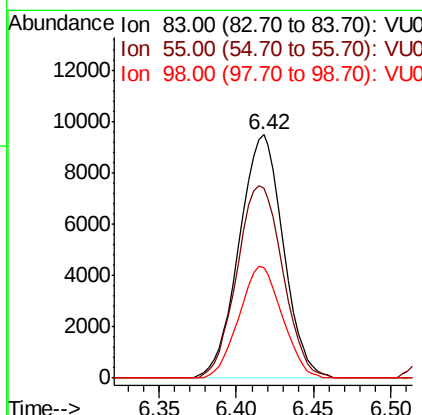
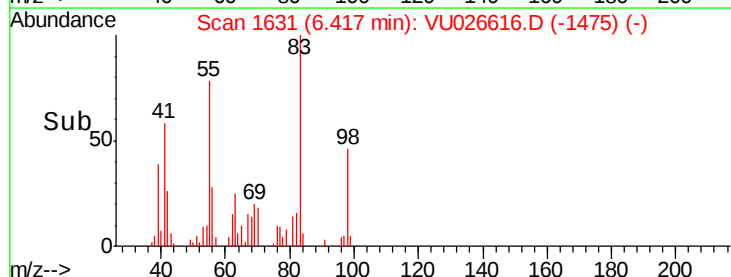
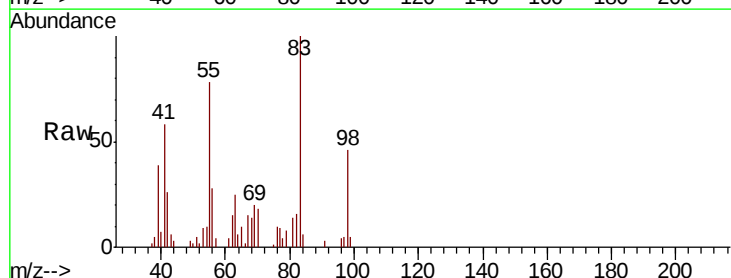
Manual Integrations
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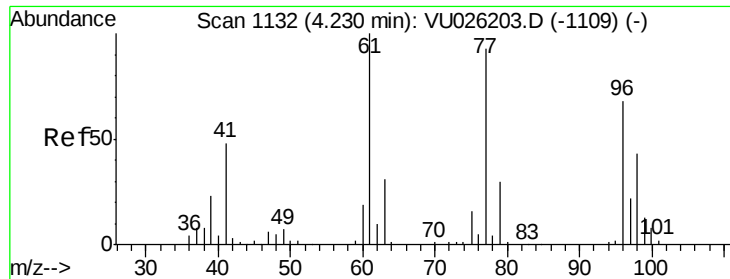
MMDadoda
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#20
Methylcyclohexane
Concen: 1.73 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.4	99.6
98	44.9	35.4	53.2





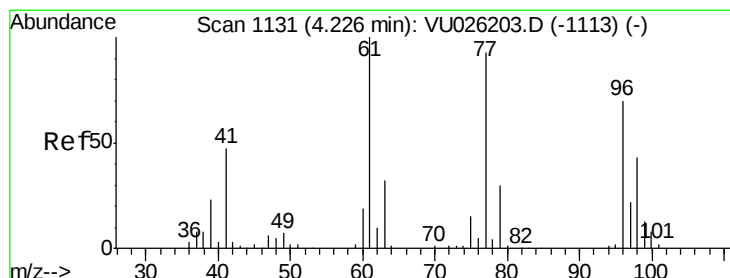
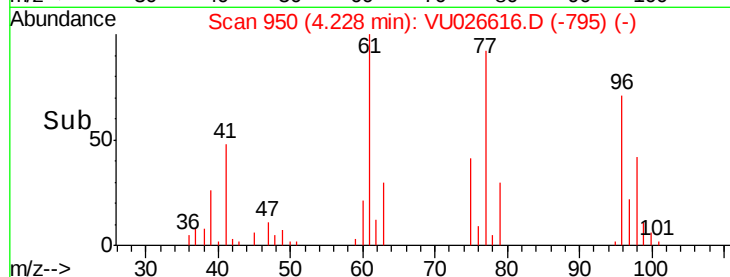
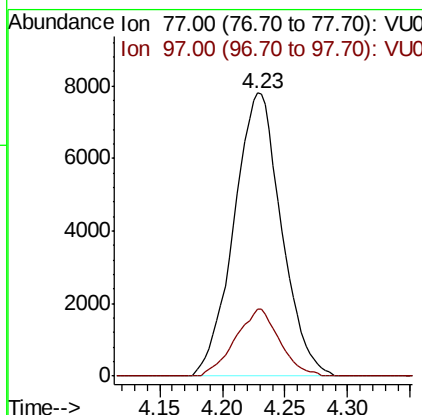
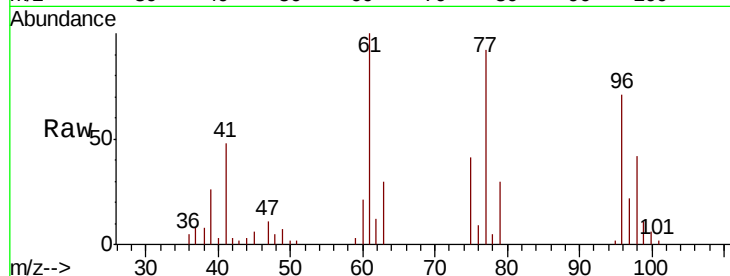
#21
 2,2-Dichloropropane
 Concen: 1.58 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion: 77 Resp: 20552
 Ion Ratio Lower Upper
 77 100
 97 22.0 17.9 26.9

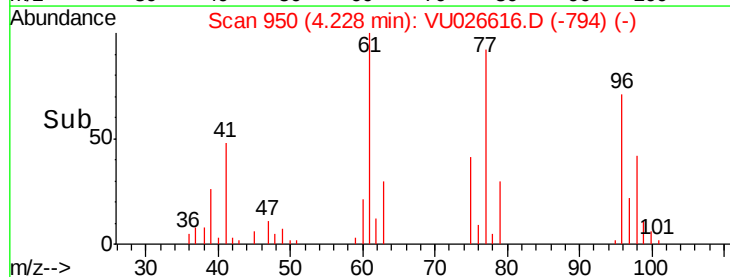
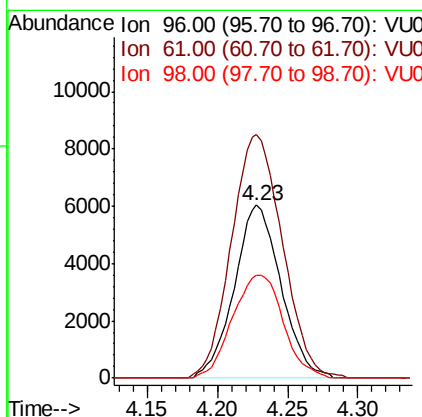
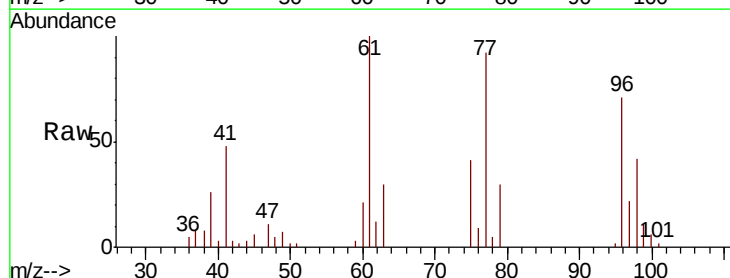
Manual Integrations
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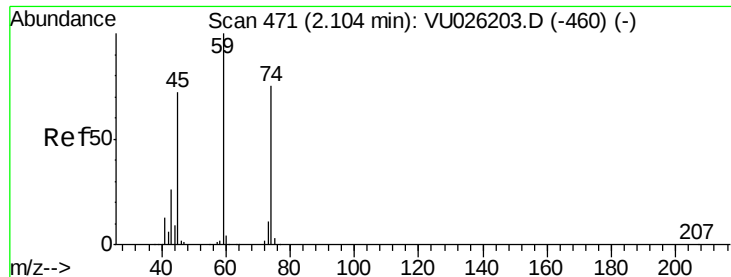
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#22
 cis-1,2-Dichloroethene
 Concen: 1.67 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion: 96 Resp: 13963
 Ion Ratio Lower Upper
 96 100
 61 153.5 0.0 400.5
 98 64.7 32.2 96.6





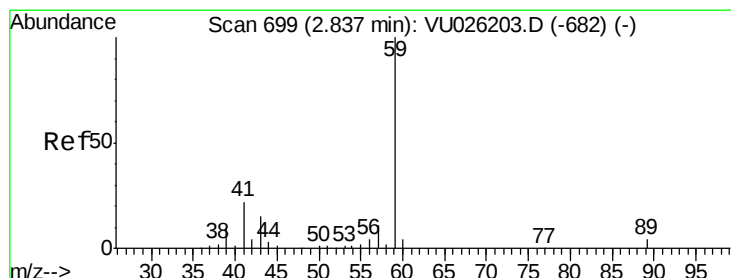
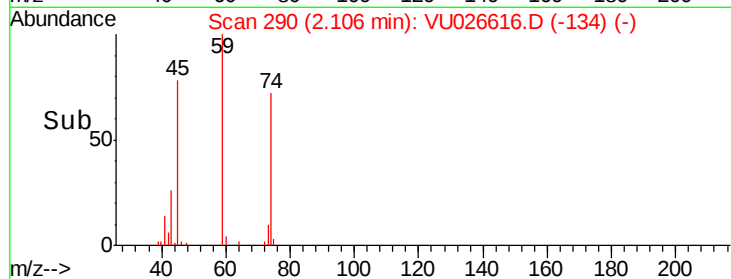
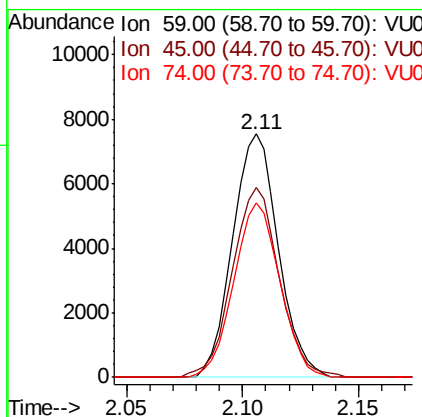
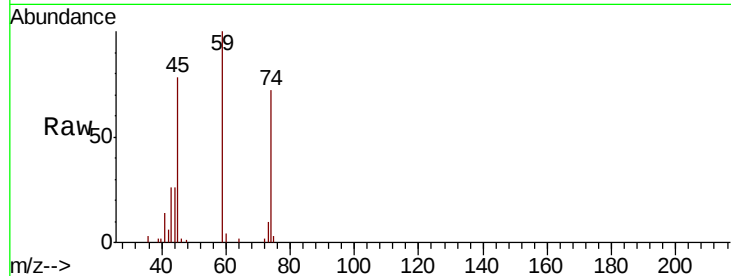
#23
Diethyl Ether
Concen: 2.26 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	80.3	60.0	90.0
74	72.5	56.5	84.7

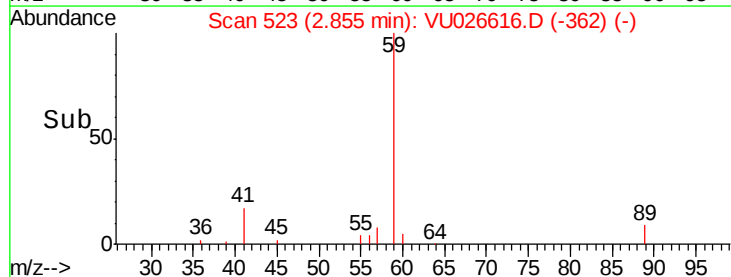
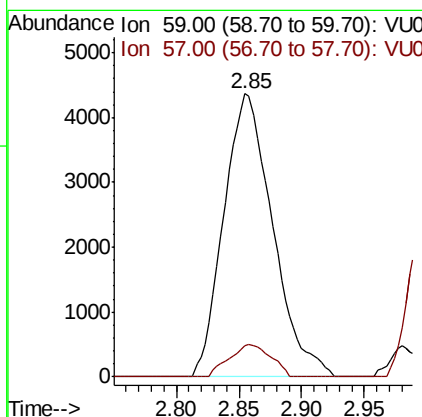
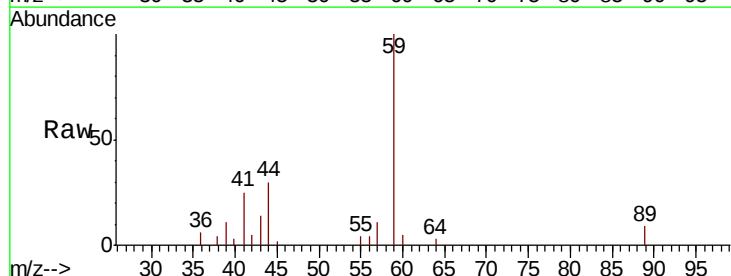
Manual Integrations
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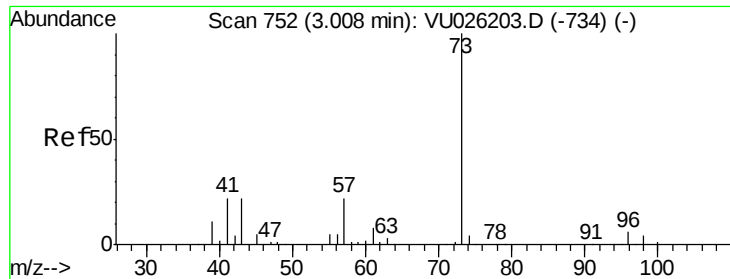
MMDadoda
9/10/2018 9:52:47 AM



#24
tert-Butyl Alcohol
Concen: 25.30 ug/l
RT: 2.85 min Scan# 523
Delta R.T. 0.02 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	3.4	5.2





#25

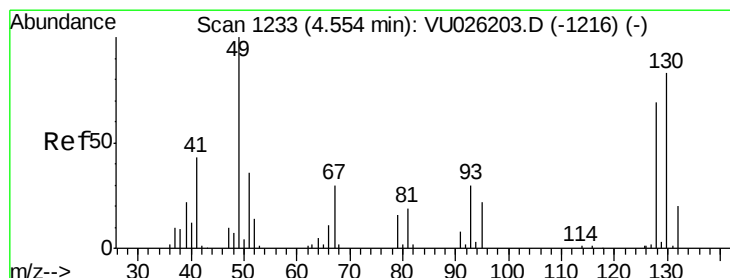
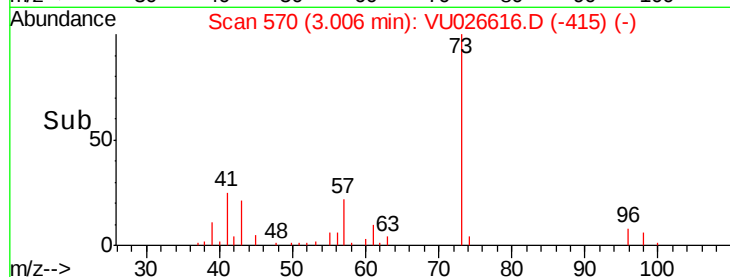
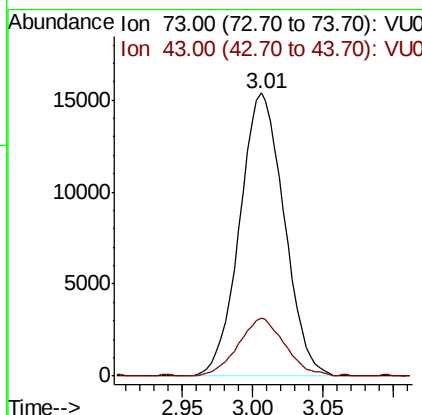
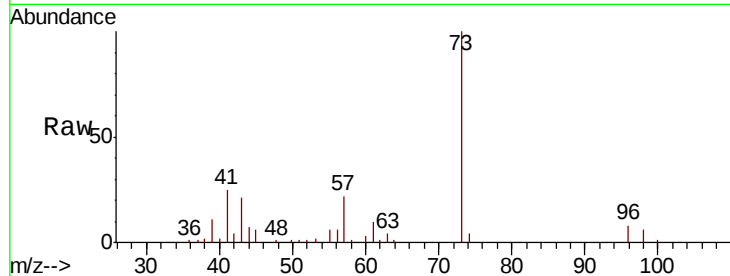
Methyl tert-Butyl Ether
 Concen: 2.18 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.2	24.2

Manual Integrations
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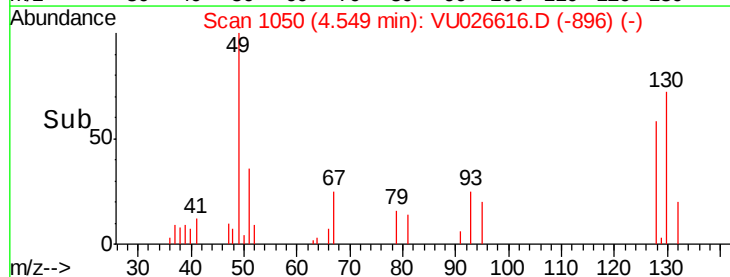
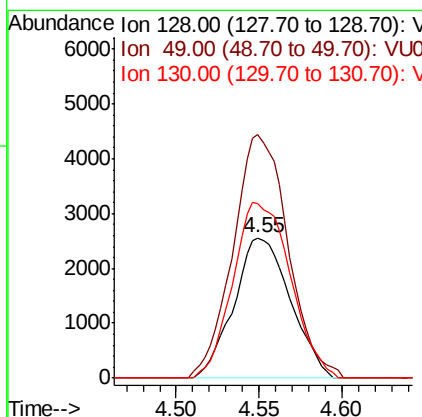
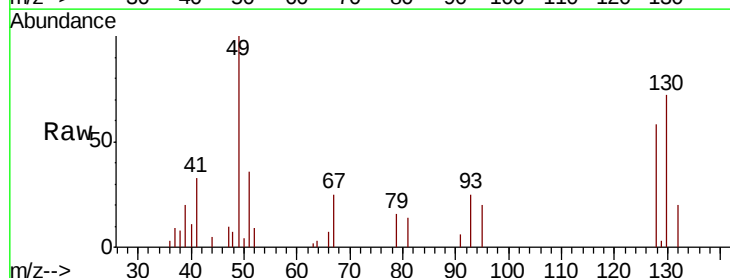
MMDadoda
 9/10/2018 9:52:47 AM

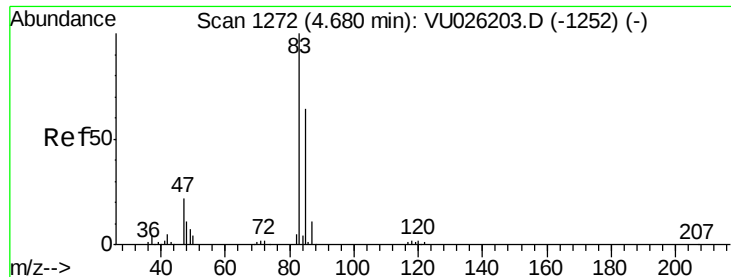


#26

Bromochloromethane
 Concen: 1.62 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.8	0.0	375.2
130	127.5	105.8	158.6





#27

Chloroform

Concen: 1.71 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 83 Resp: 25056

Ion Ratio Lower Upper

83 100

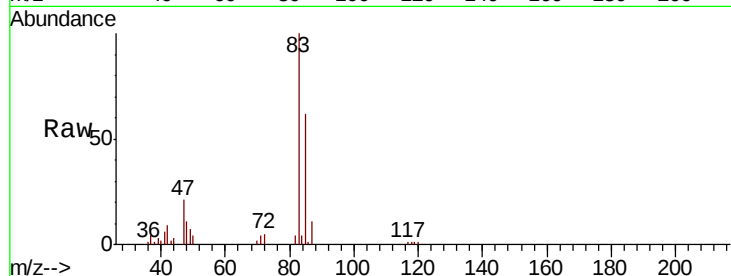
85 62.2 0.0 128.4

Manual Integrations

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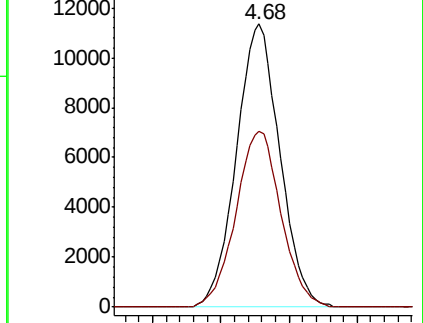
MMDadoda

9/10/2018 9:52:47 AM

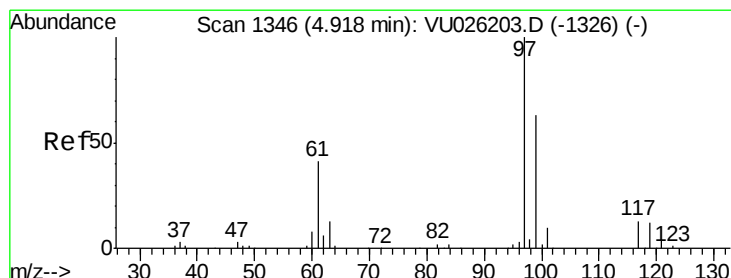
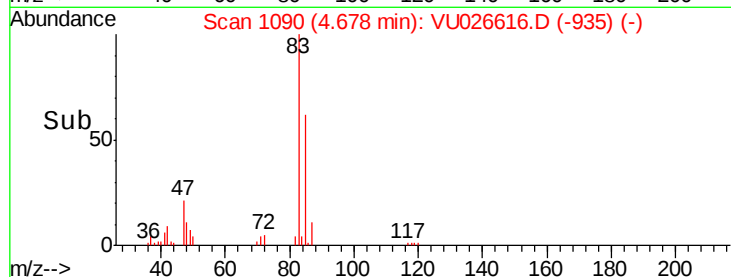


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



Time-->



#28

1,1,1-Trichloroethane

Concen: 1.57 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

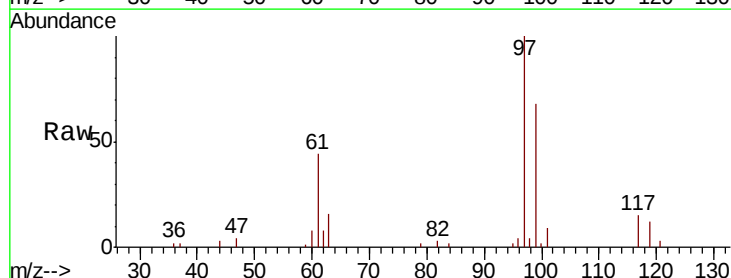
Tgt Ion: 97 Resp: 20425

Ion Ratio Lower Upper

97 100

99 65.2 32.3 96.9

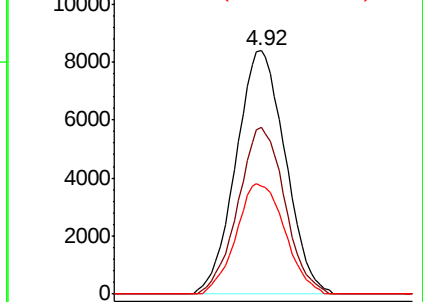
61 44.9 23.2 69.5



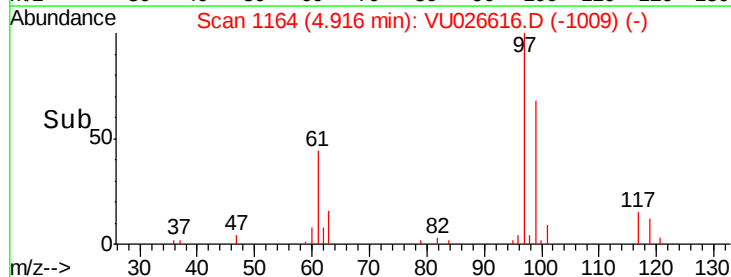
Abundance Ion 97.00 (96.70 to 97.70): VU0

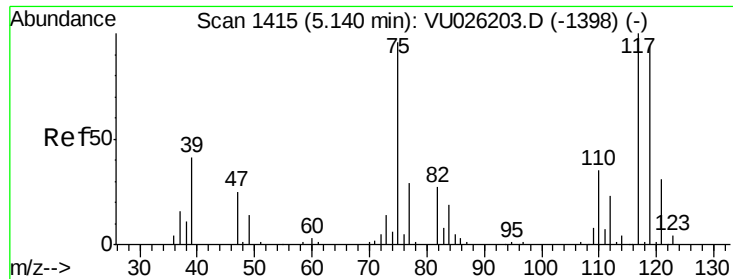
Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





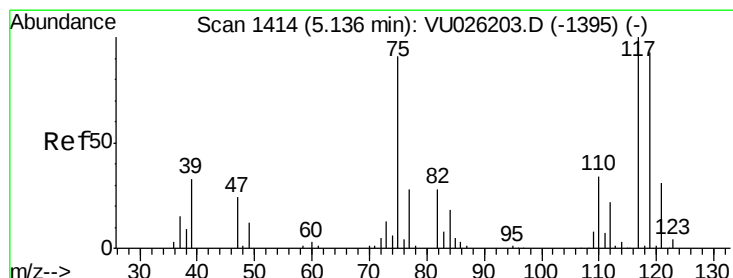
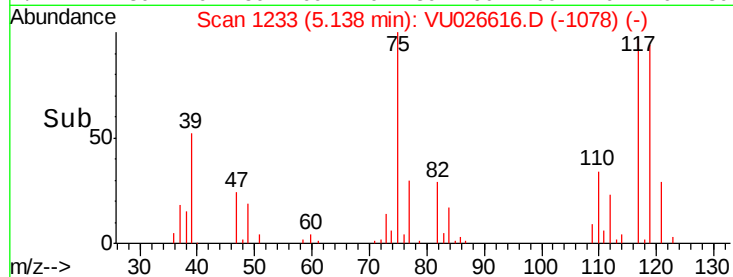
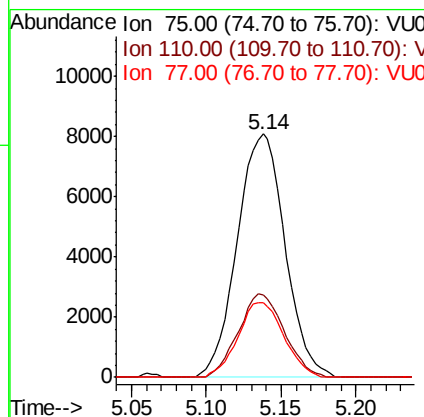
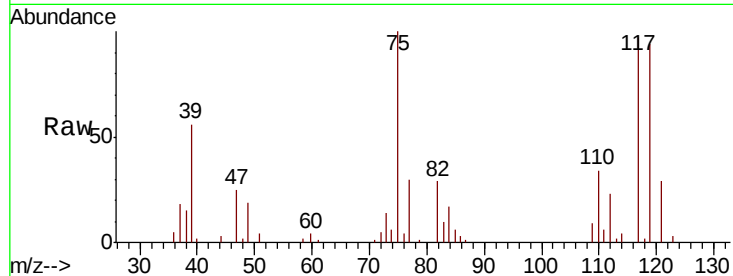
#29
 1,1-Dichloropropene
 Concen: 1.76 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	29.5	24.8	37.2

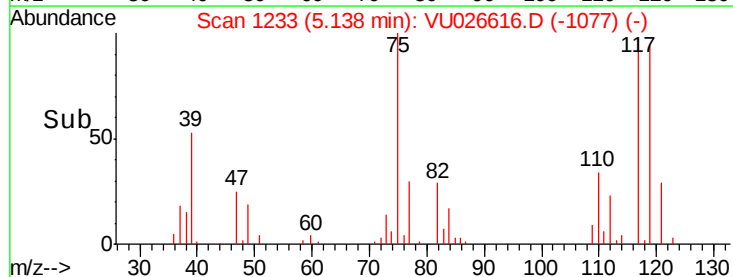
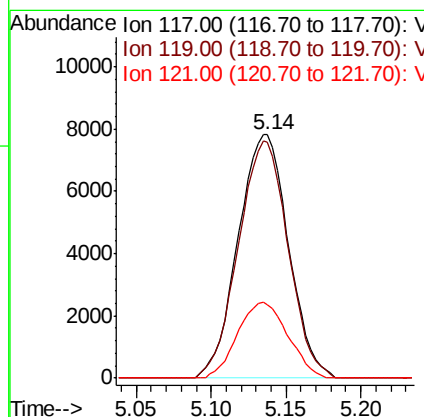
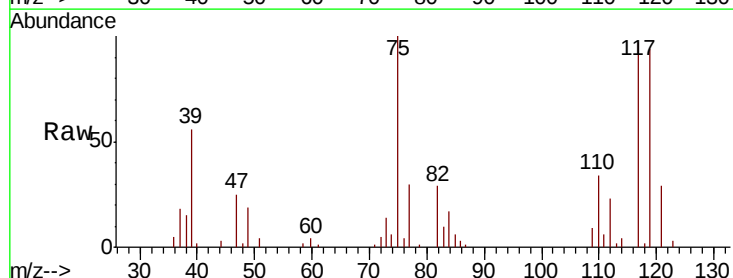
Manual Integrations
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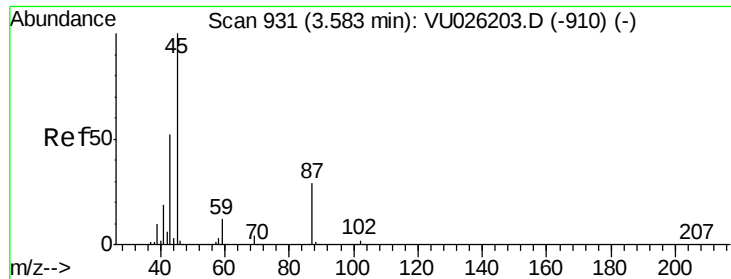
MMDadoda
 9/10/2018 9:52:47 AM



#30
 Carbon Tetrachloride
 Concen: 1.49 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	30.2	24.5	36.7





#31

Isopropyl Ether

Concen: 1.84 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 45 Resp: 38345

Ion Ratio Lower Upper

45 100

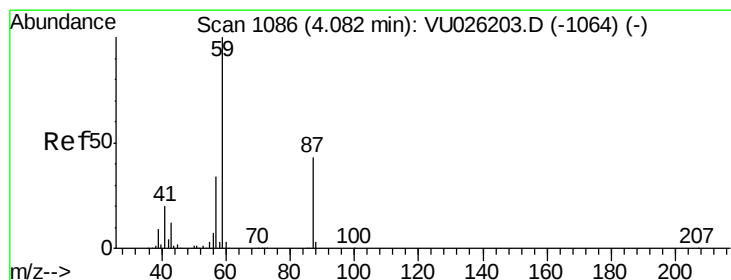
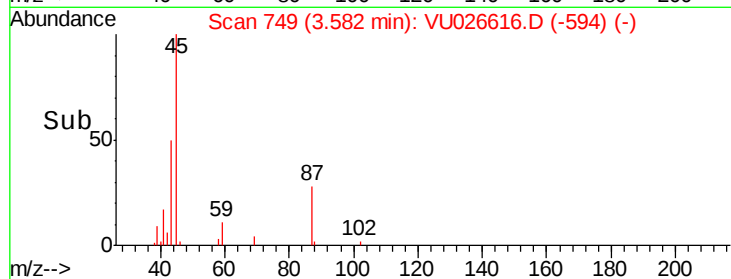
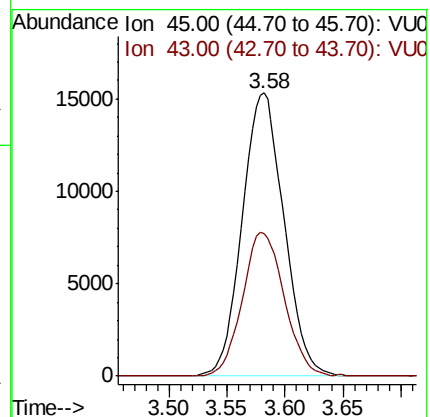
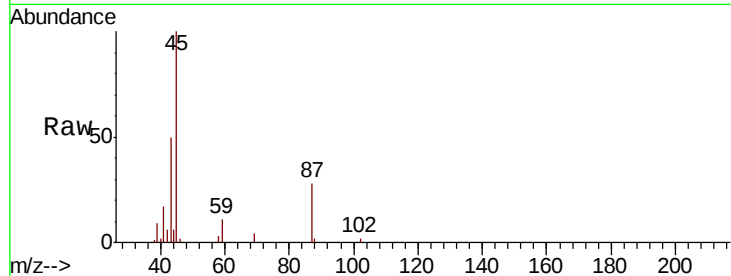
43 51.0 24.0 72.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.76 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU026616.D

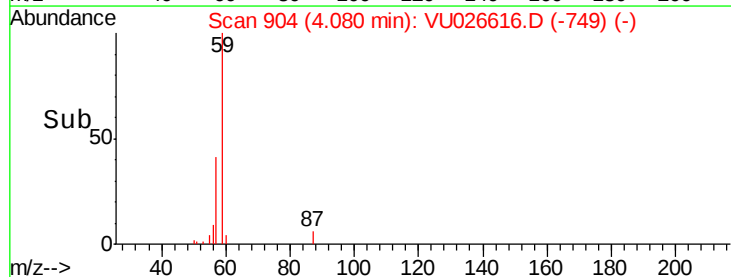
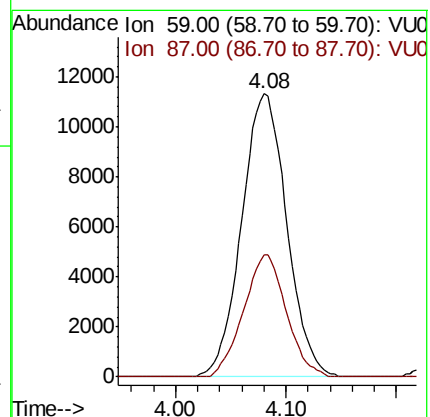
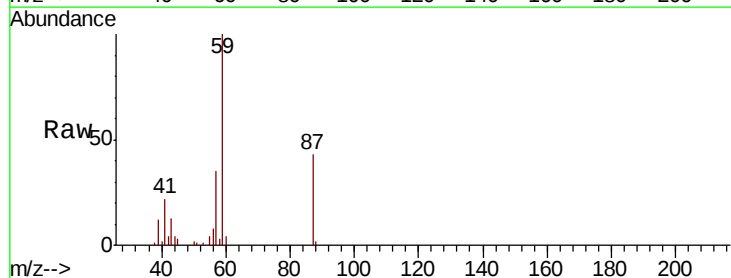
Acq: 07 Sep 2018 11:55

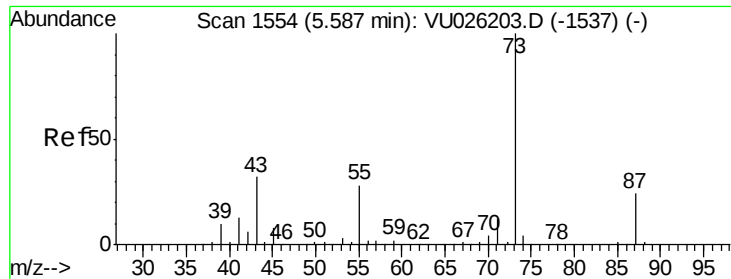
Tgt Ion: 59 Resp: 32053

Ion Ratio Lower Upper

59 100

87 40.7 31.0 46.6





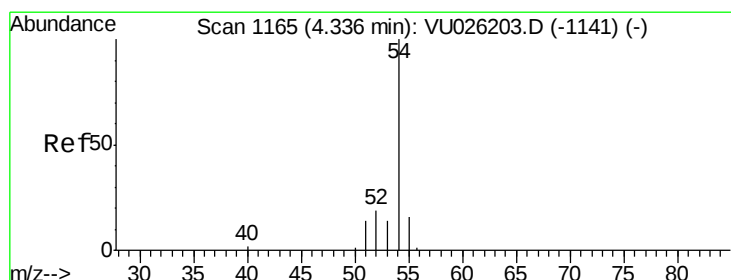
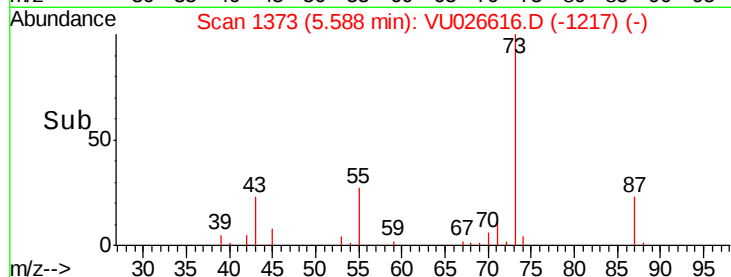
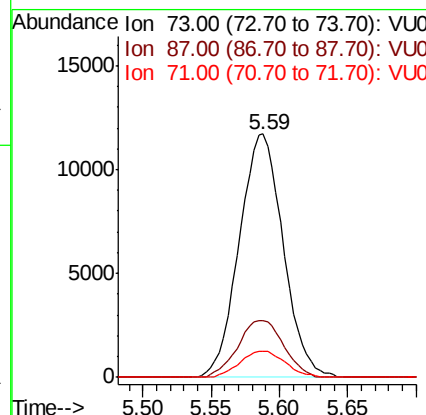
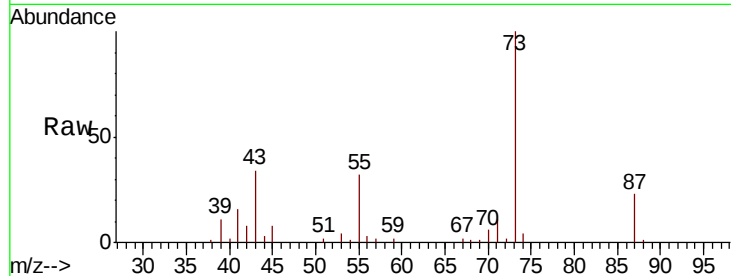
#33
Tert-Butyl methyl ether
Concen: 1.68 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	18.6	28.0
71	11.1	9.3	13.9

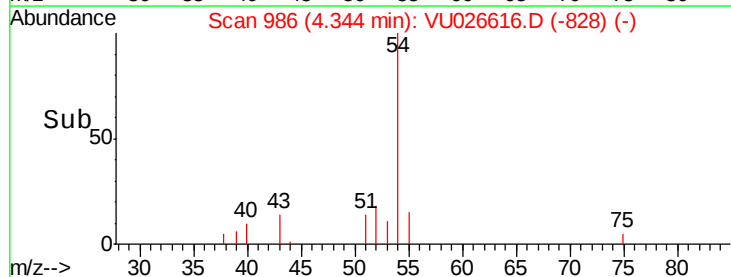
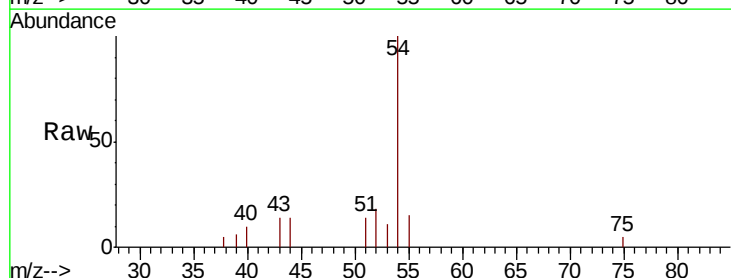
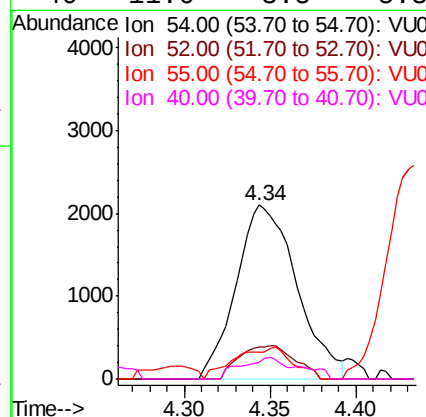
Manual Integrations
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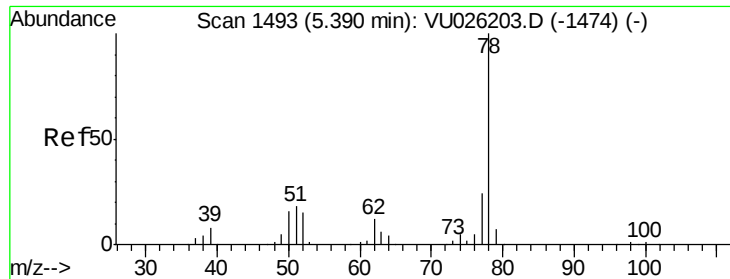
MMDadoda
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#34
Propionitrile
Concen: 9.30 ug/l
RT: 4.34 min Scan# 986
Delta R.T. 0.01 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.6	13.7	20.5
55	17.5	10.2	15.2#
40	11.6	3.5	5.3#





#35

Benzene

Concen: 1.76 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 78 Resp: 52192

Ion Ratio Lower Upper

78 100

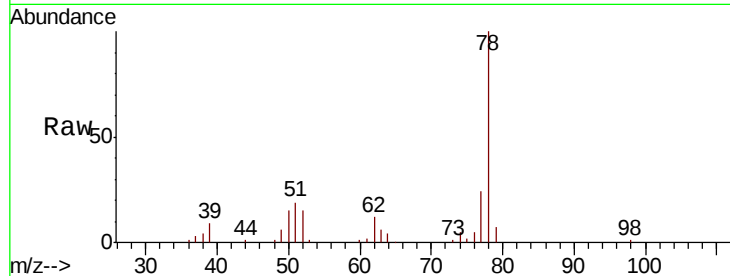
77 23.9 19.1 28.7

Manual Integrations

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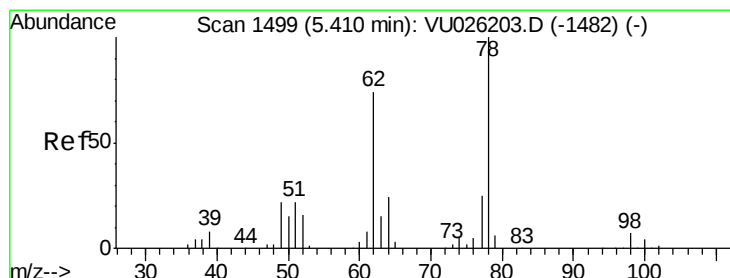
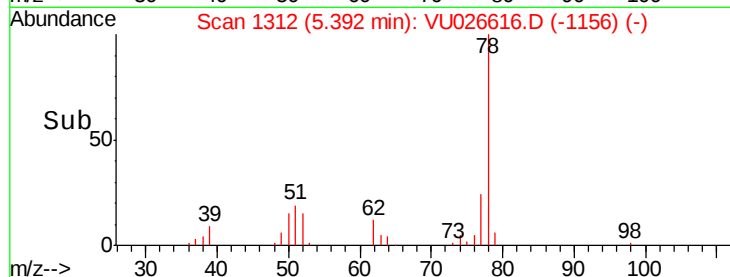
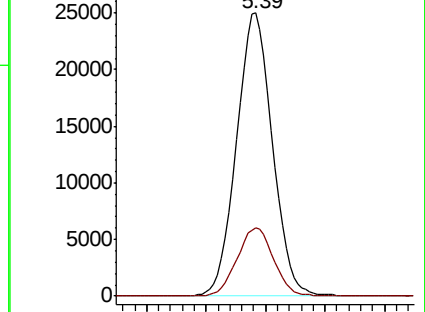
MMDadoda

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Abundance Ion 78.10 (77.80 to 78.80): VU026616.D (-1156) (-)

Ion 77.00 (76.70 to 77.70): VU026616.D (-1156) (-)



#36

1,2-Dichloroethane

Concen: 1.65 ug/l

RT: 5.41 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VU026616.D

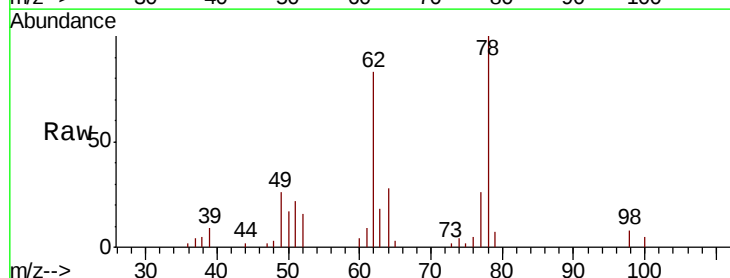
Acq: 07 Sep 2018 11:55

Tgt Ion: 62 Resp: 15114

Ion Ratio Lower Upper

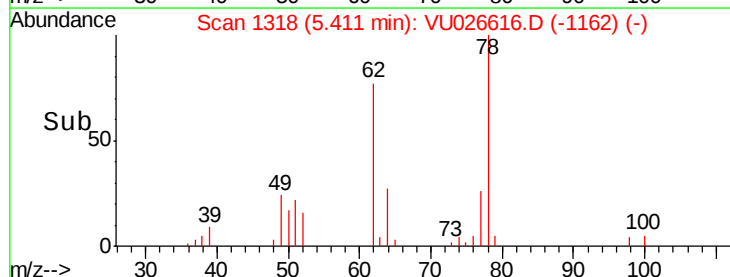
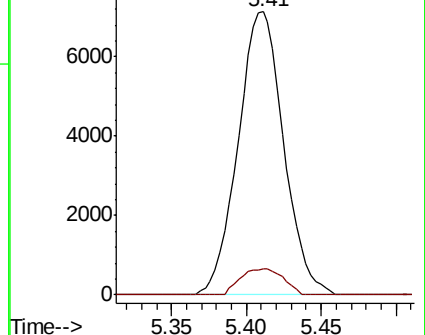
62 100

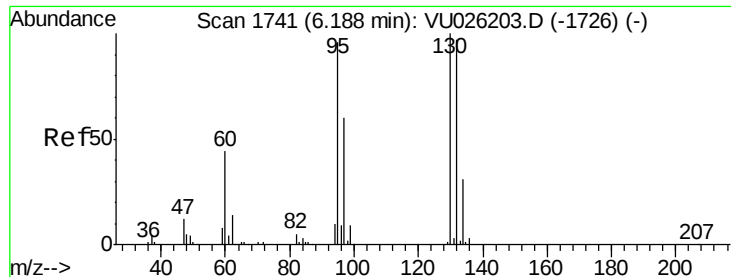
98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026616.D (-1162) (-)

Ion 98.00 (97.70 to 98.70): VU026616.D (-1162) (-)





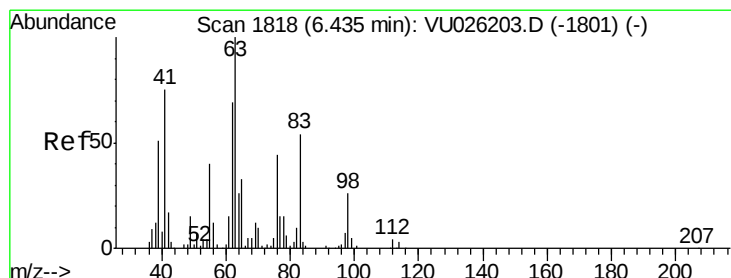
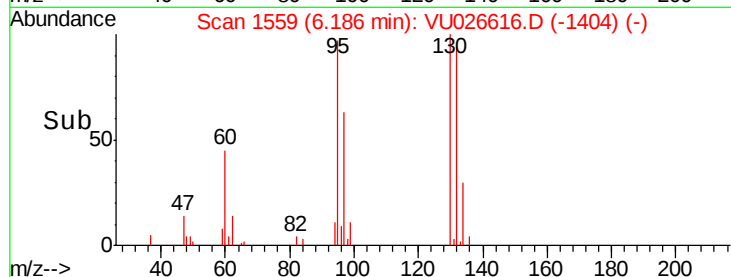
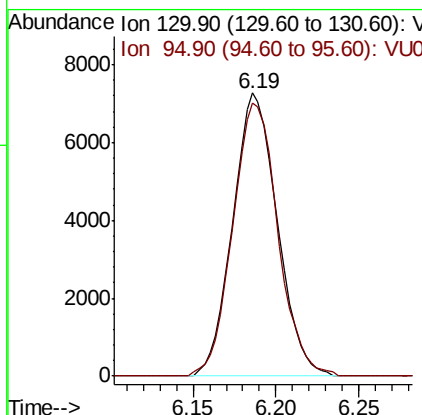
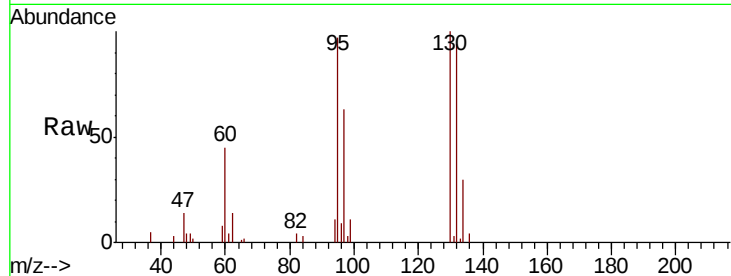
#37
 Trichloroethene
 Concen: 1.63 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
130	100		
95	96.5	77.9	116.9

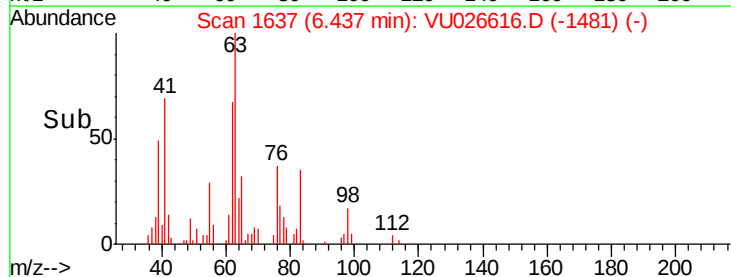
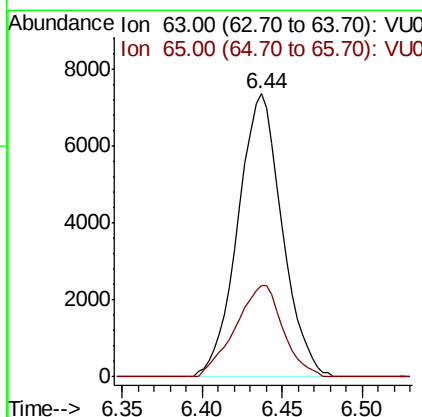
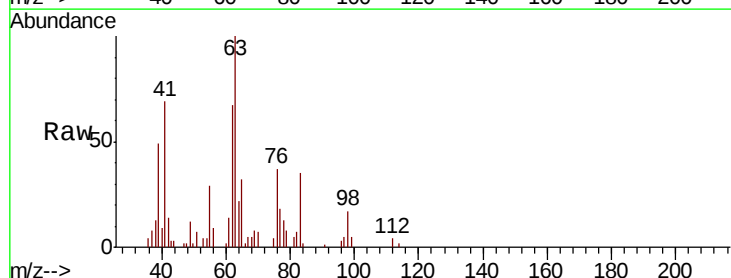
Manual Integrations
 APPROVED

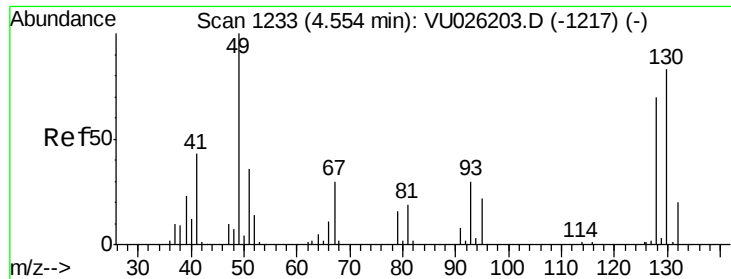
MMDadoda
 9/10/2018 9:52:47 AM



#38
 1,2-Dichloropropane
 Concen: 1.81 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8





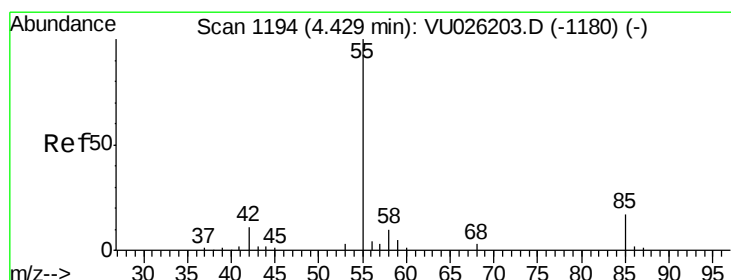
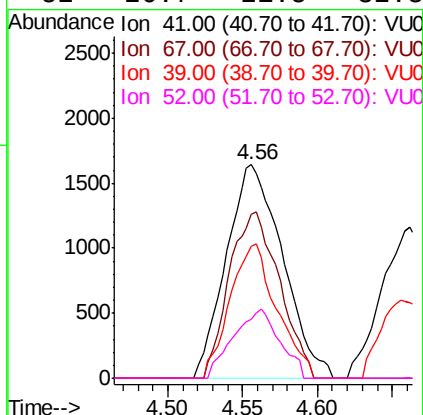
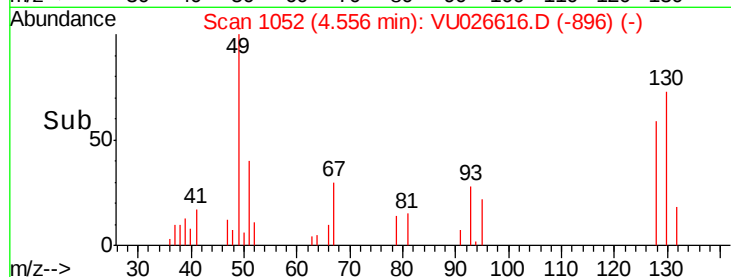
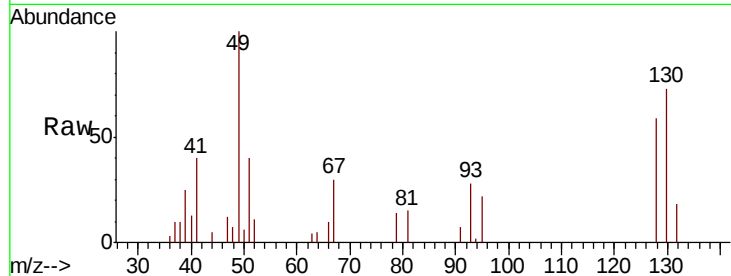
#39
Methacrylonitrile
Concen: 1.85 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		4299		
67	69.4	51.3	76.9		
39	52.3	40.6	60.8		
52	26.7	21.5	32.3		

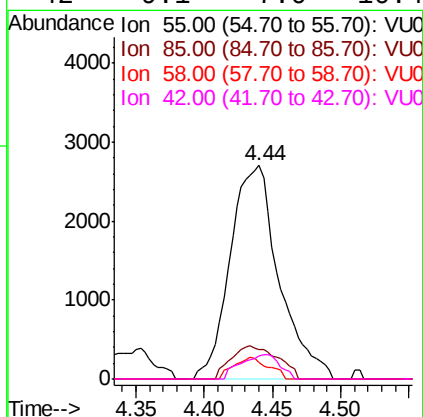
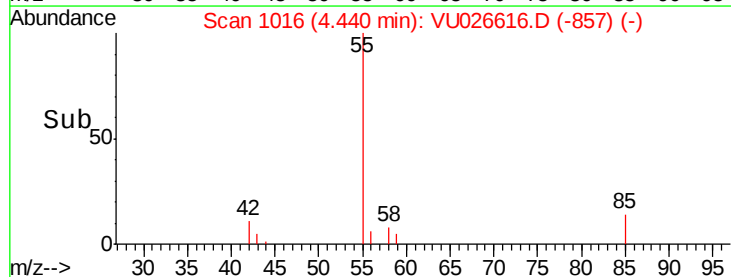
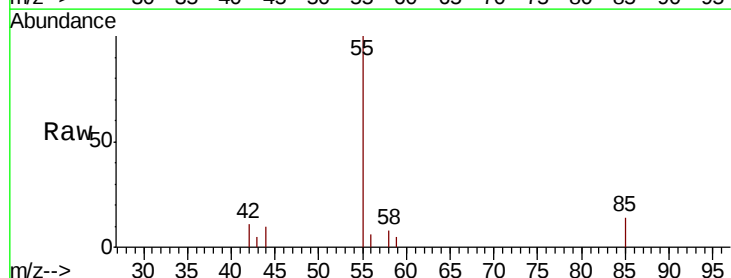
Manual Integrations
APPROVED

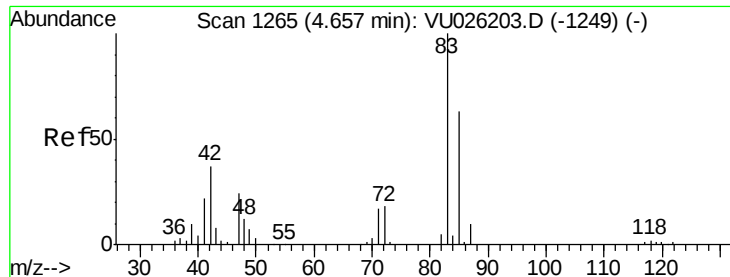
MMDadoda
9/10/2018 9:52:47 AM



#40
Methyl acrylate
Concen: 1.91 ug/l
RT: 4.44 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		6733		
85	14.7	12.3	18.5		
58	7.1	7.0	10.6		
42	9.1	7.0	10.4		





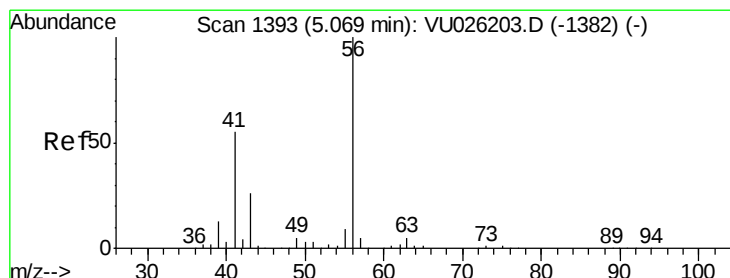
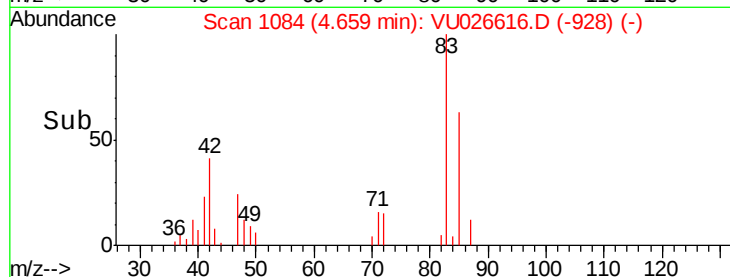
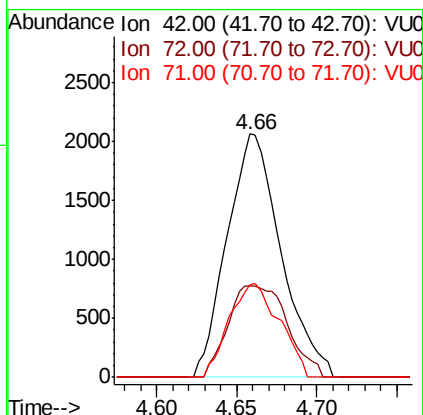
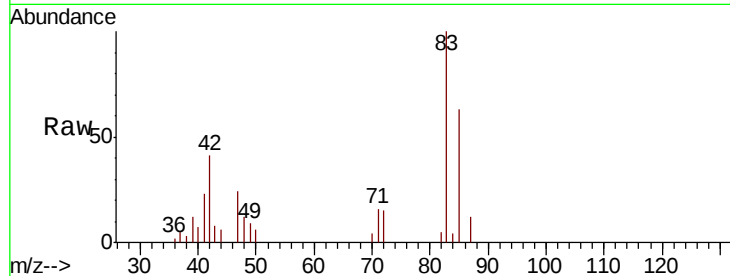
#41
Tetrahydrofuran
Concen: 3.67 ug/l
RT: 4.66 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.2	49.8
71	36.0	29.8	44.8

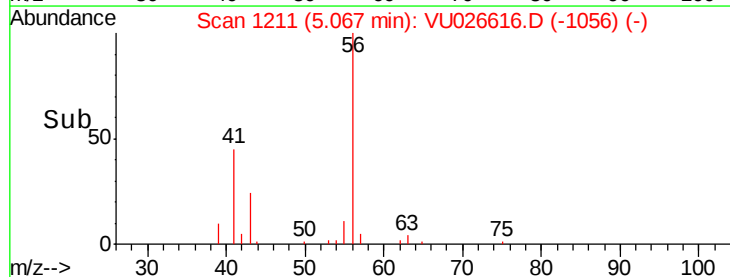
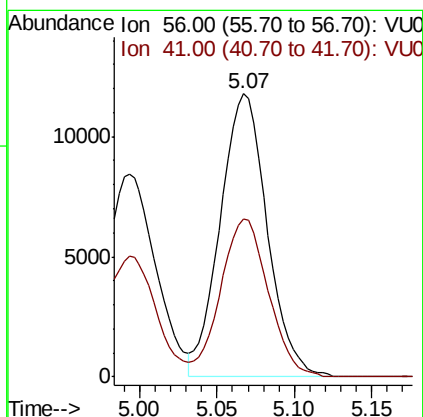
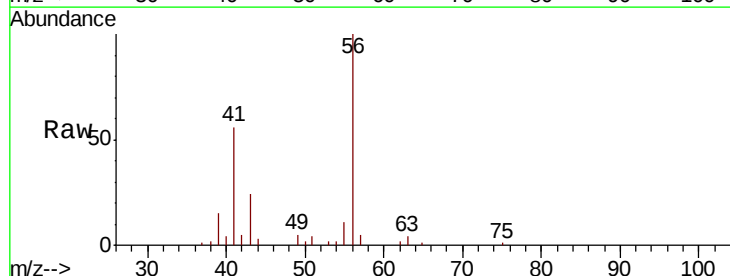
Manual Integrations
APPROVED

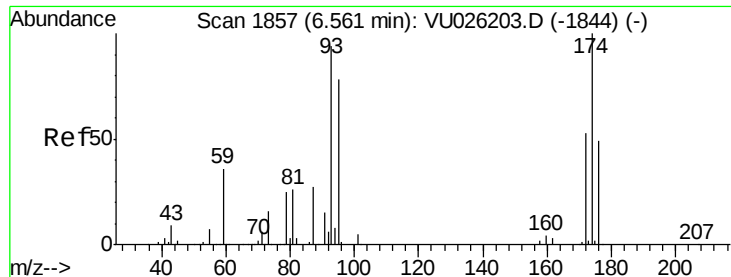
MMDadoda
9/10/2018 9:52:47 AM



#42
1-Chlorobutane
Concen: 1.79 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.7	27.5	82.5





#43

Dibromomethane

Concen: 1.68 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

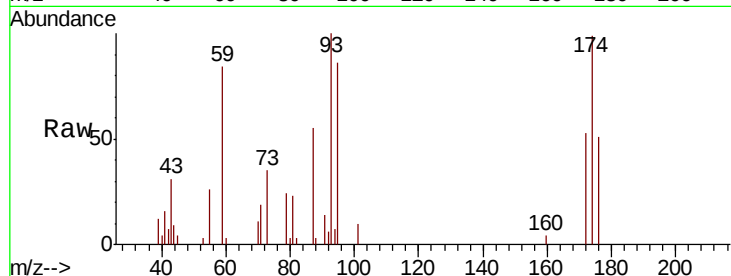
ClientSampleId :

VU0907WBSD01

Tot Ion:	93	Resp:	6847
Ion	Ratio	Lower	Upper
93	100		
95	86.1	67.2	100.8
174	103.9	82.8	124.2

Manual Integrations
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9/10/2018 9:52:47 AM

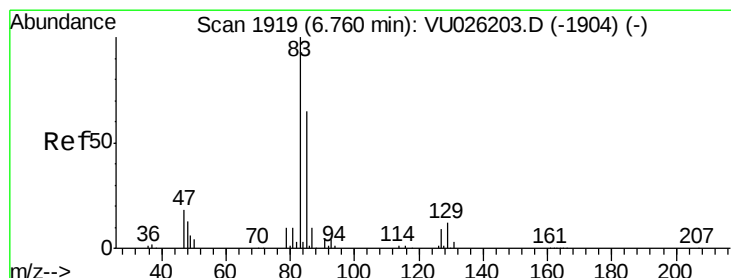
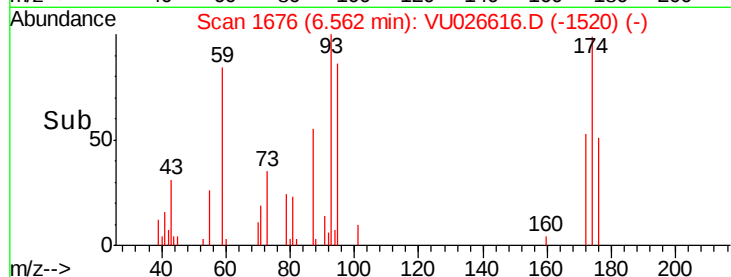
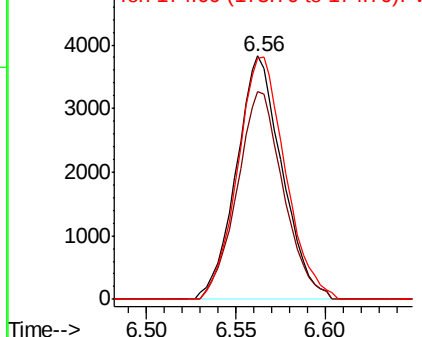


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.65 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

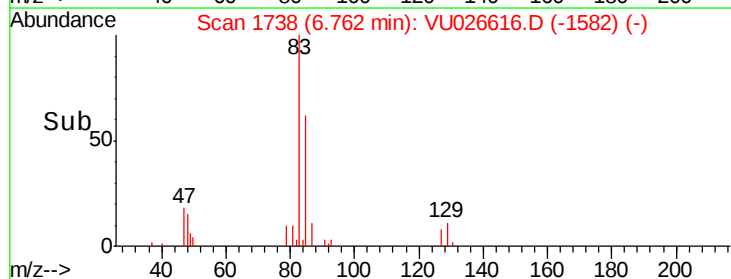
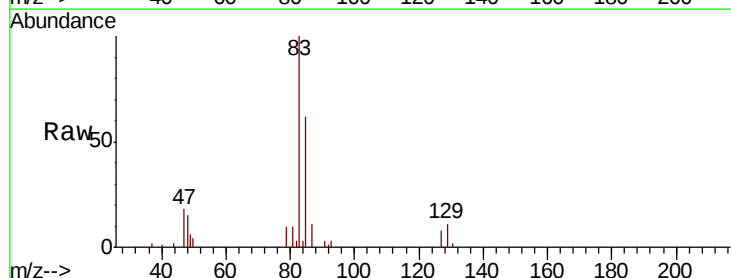
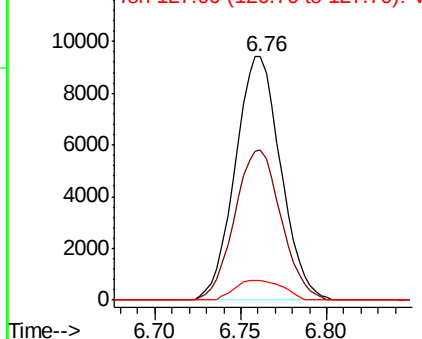
Tgt Ion:	83	Resp:	17338
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4
127	8.1	7.0	10.4

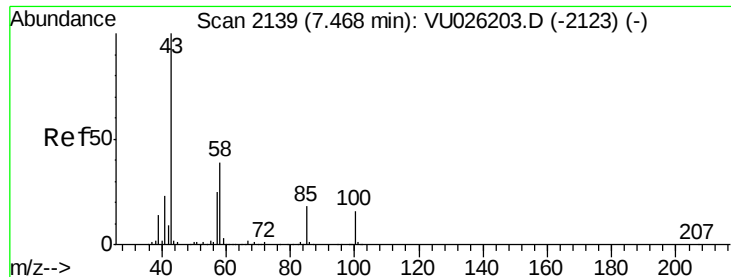
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 9.35 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

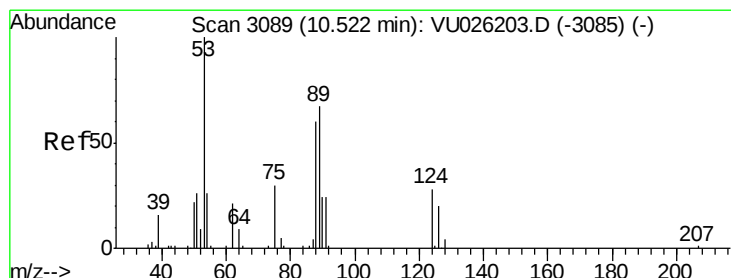
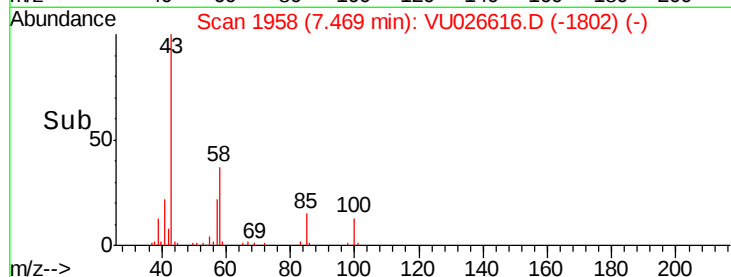
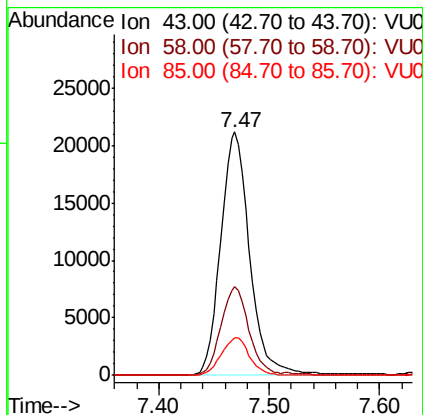
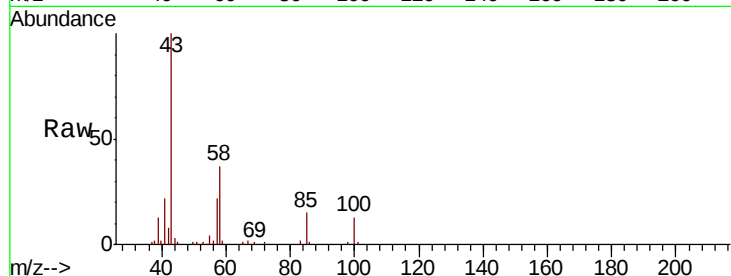
ClientSampleId :

VU0907WBSD01

Tot Ion:	43	Resp:	38613
Ion	Ratio	Lower	Upper
43	100		
58	35.6	18.8	56.4
85	14.9	12.6	19.0

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 3.31 ug/l m

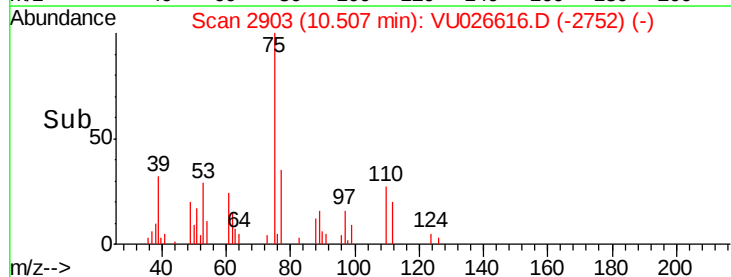
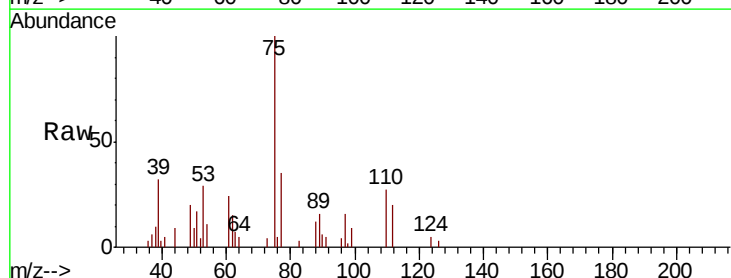
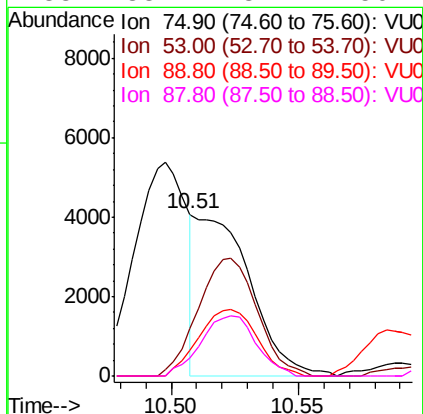
RT: 10.51 min Scan# 2903

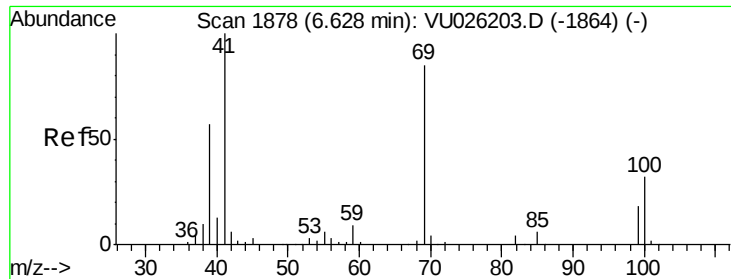
Delta R.T. -0.01 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Tgt Ion:	75	Resp:	6028
Ion	Ratio	Lower	Upper
75	100		
53	79.3	82.2	123.4#
89	44.5	51.3	76.9#
88	38.1	37.4	56.2





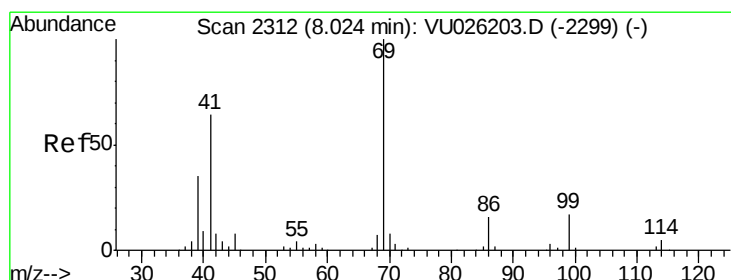
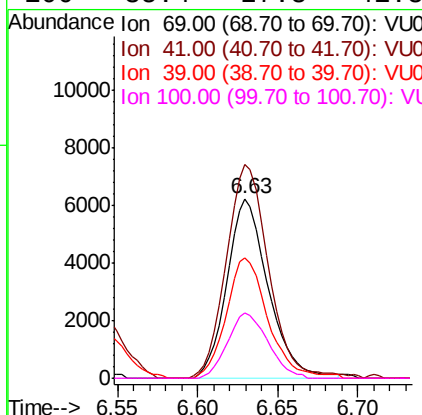
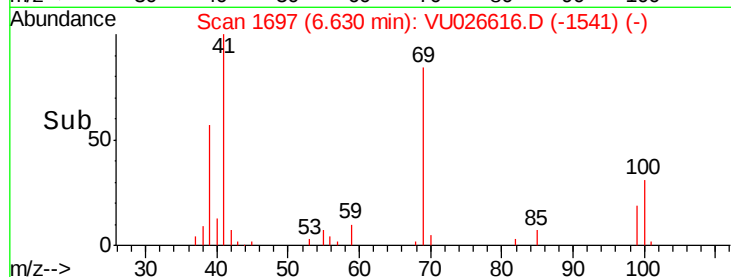
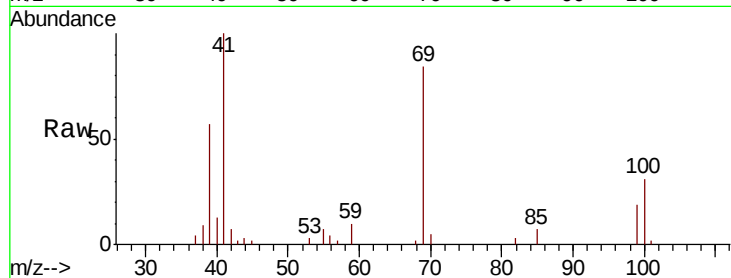
#47
Methvl methacrylate
Concen: 3.51 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	123.0	0.0	245.4	
39	68.2	49.0	73.4	
100	35.4	27.8	41.8	

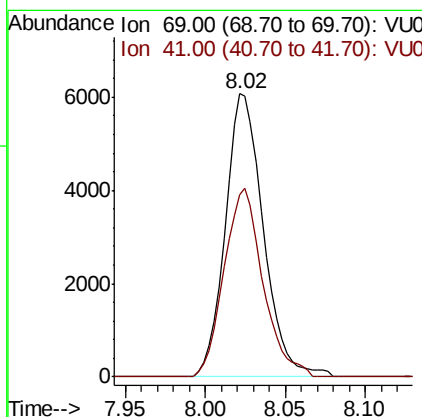
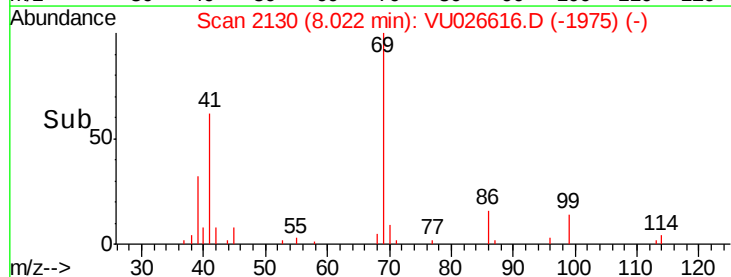
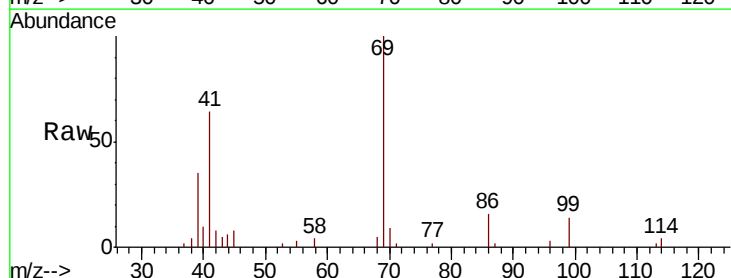
Manual Integrations
APPROVED

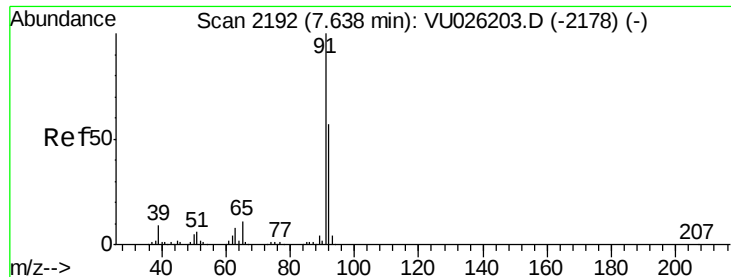
MMDadoda
9/10/2018 9:52:47 AM



#48
Ethyl methacrylate
Concen: 1.73 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	68.2	34.2	102.5	





#49

Toluene

Concen: 1.68 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 92 Resp: 28426

Ion Ratio Lower Upper

92 100

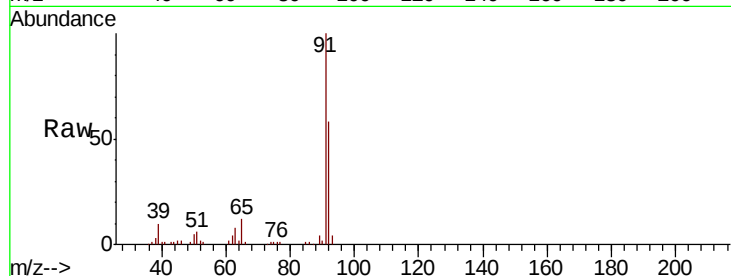
91 179.2 137.1 205.7

Manual Integrations

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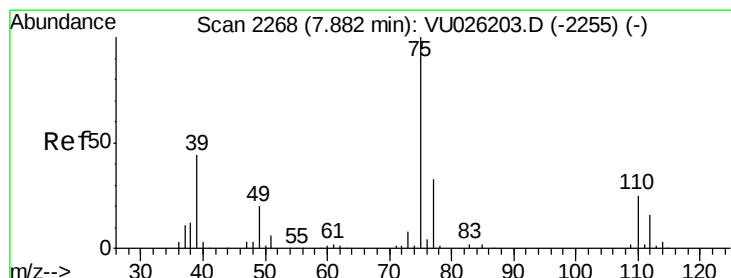
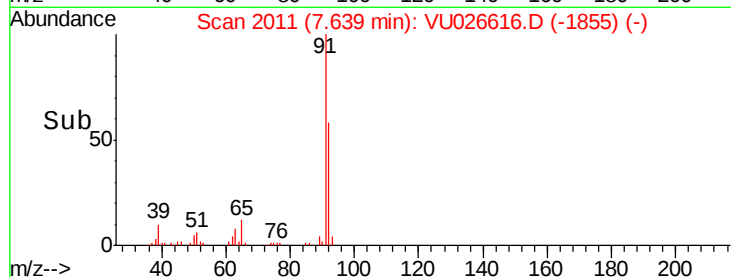
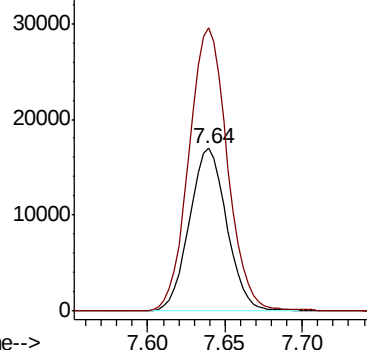
MMDadoda

9/10/2018 9:52:47 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.60 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026616.D

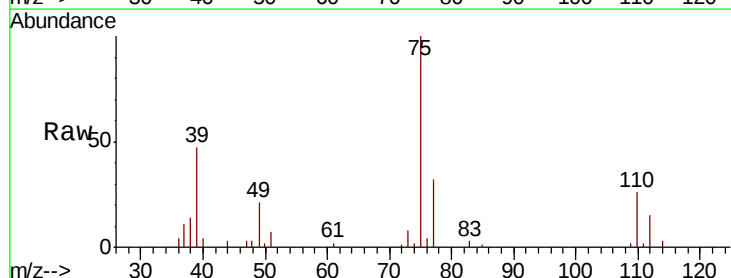
Acq: 07 Sep 2018 11:55

Tgt Ion: 75 Resp: 14353

Ion Ratio Lower Upper

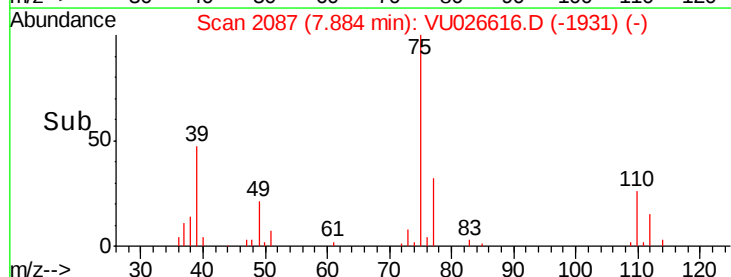
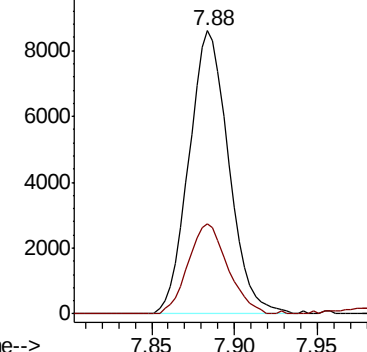
75 100

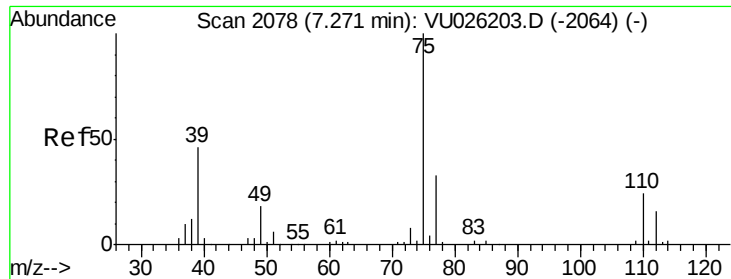
77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





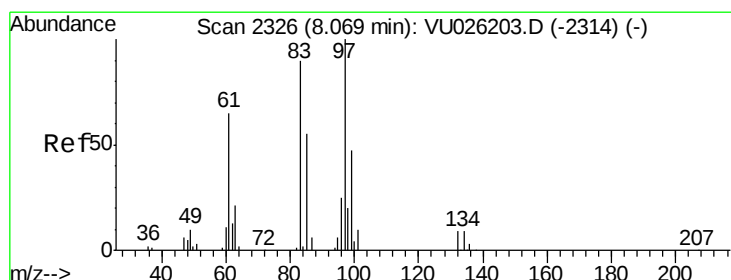
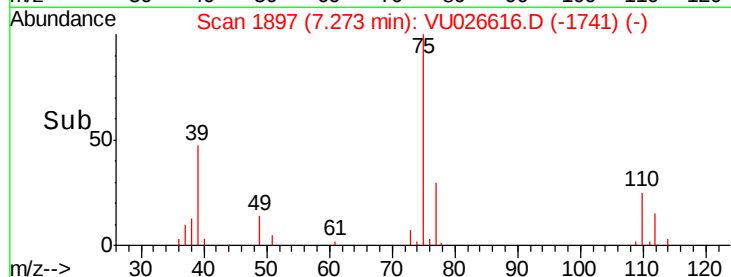
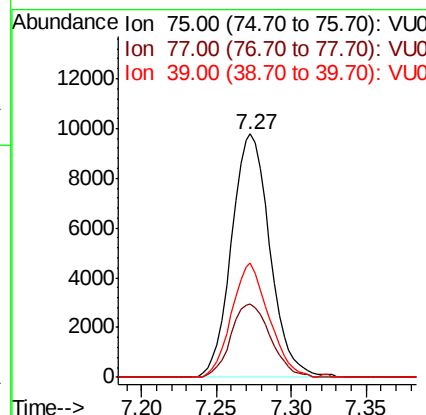
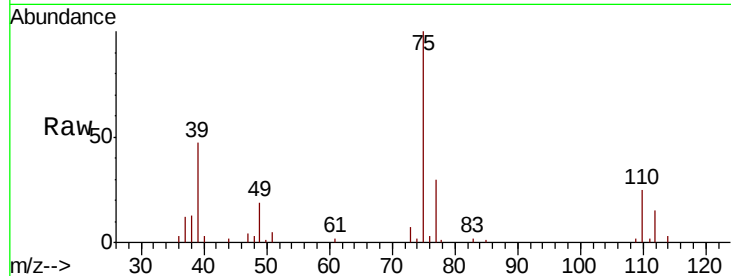
#51
 cis-1,3-Dichloropropene
 Concen: 1.68 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.2	37.8
39	46.8	36.4	54.6

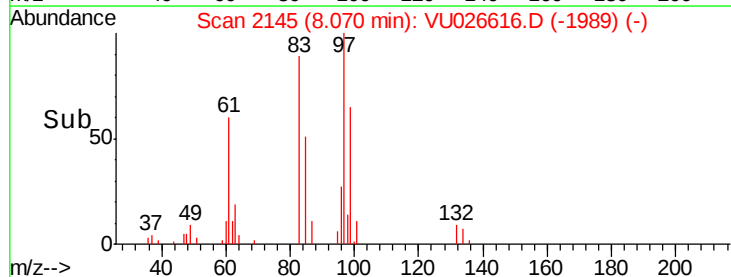
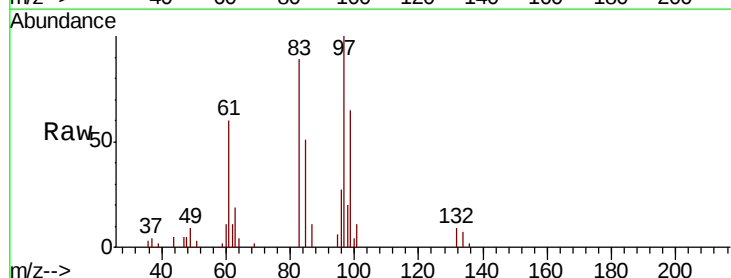
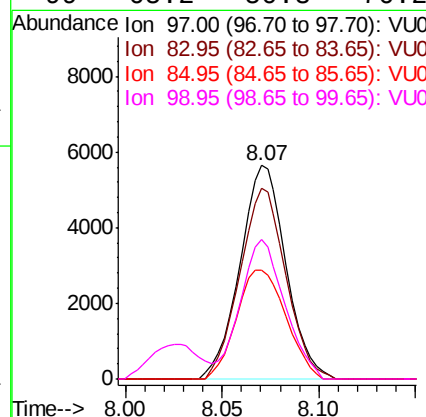
Manual Integrations
 APPROVED

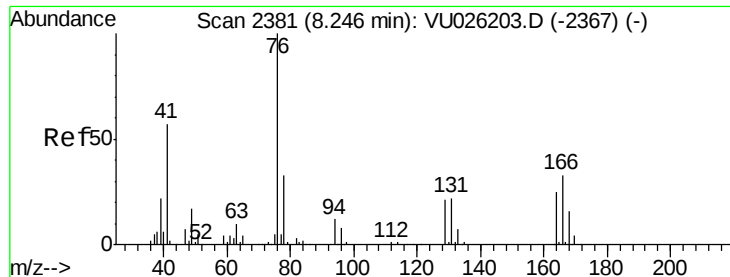
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 9/10/2018 9:52:47 AM



#52
 1,1,2-Trichloroethane
 Concen: 1.69 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.6	109.0
85	50.7	47.2	70.8
99	65.2	50.8	76.2





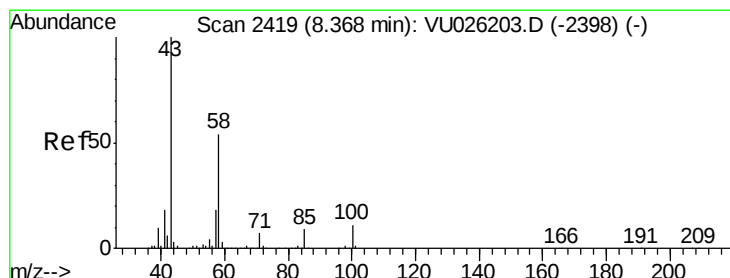
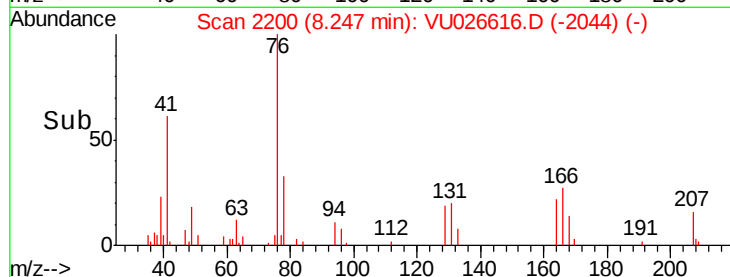
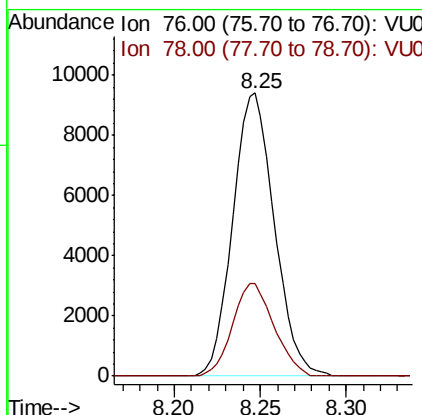
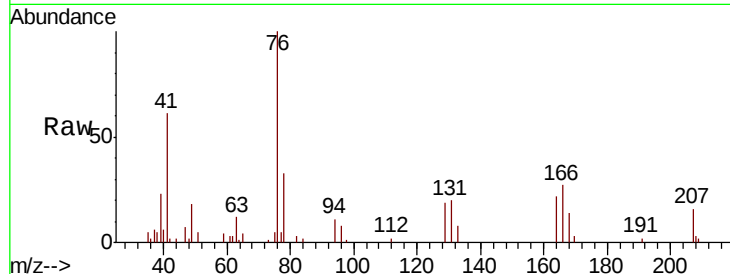
#53
 1,3-Dichloropropane
 Concen: 1.73 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion: 76 Resp: 15847
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5

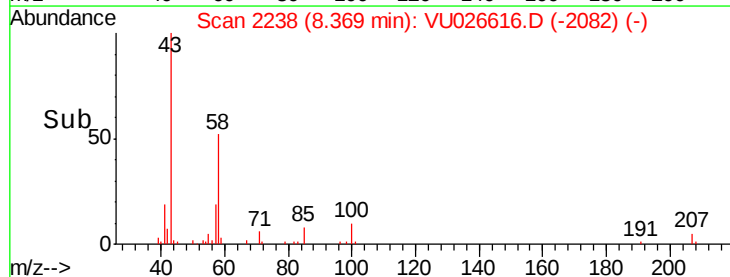
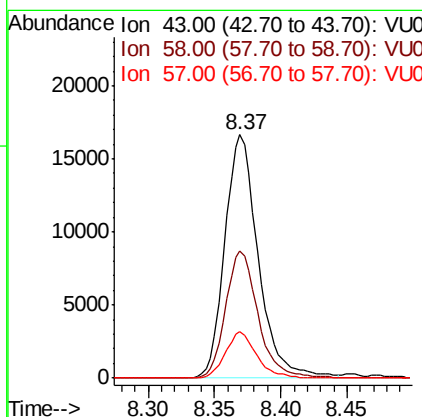
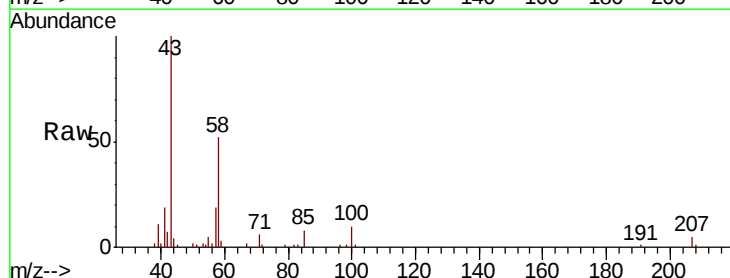
Manual Integrations
 APPROVED

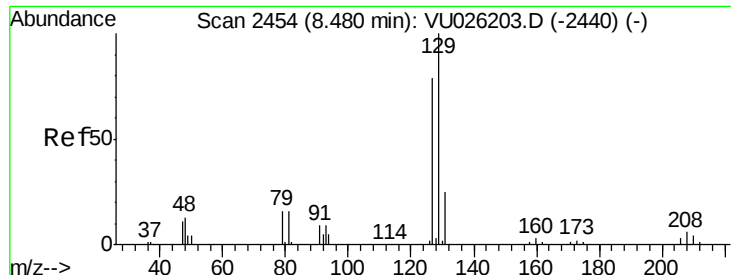
MMDadoda
 9/10/2018 9:52:47 AM



#54
 2-Hexanone
 Concen: 9.93 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion: 43 Resp: 29191
 Ion Ratio Lower Upper
 43 100
 58 50.6 32.5 72.5
 57 17.7 0.0 37.9





#55

Dibromochloromethane

Concen: 1.52 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion:129 Resp: 11228

Ion Ratio Lower Upper

129 100

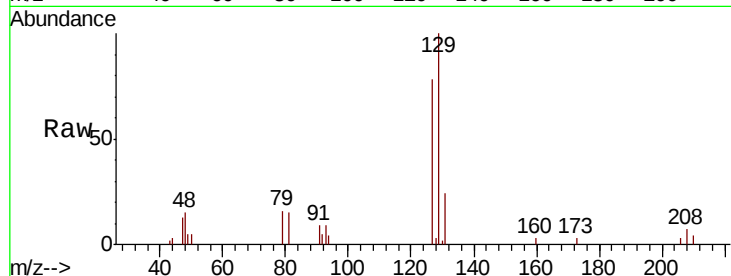
127 76.8 61.1 91.7

Manual Integrations

APPROVED

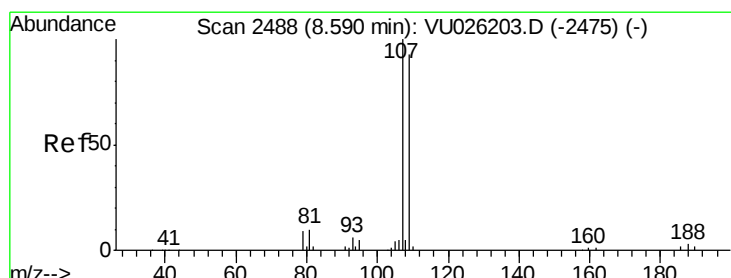
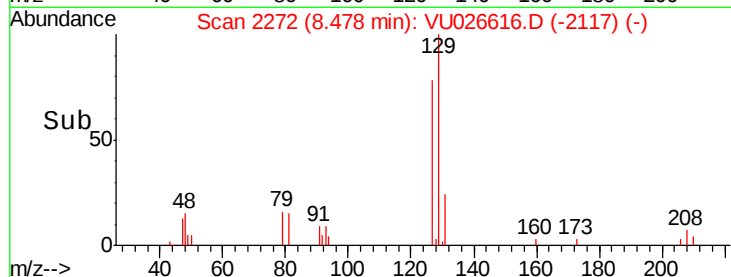
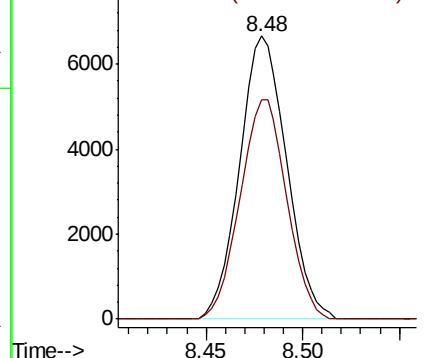
MMDadoda

9/10/2018 9:52:47 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.62 ug/l

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU026616.D

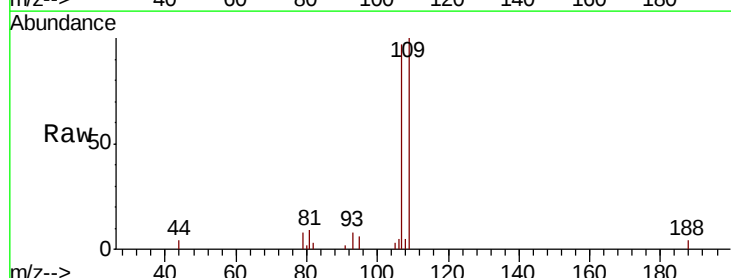
Acq: 07 Sep 2018 11:55

Tgt Ion:107 Resp: 8712

Ion Ratio Lower Upper

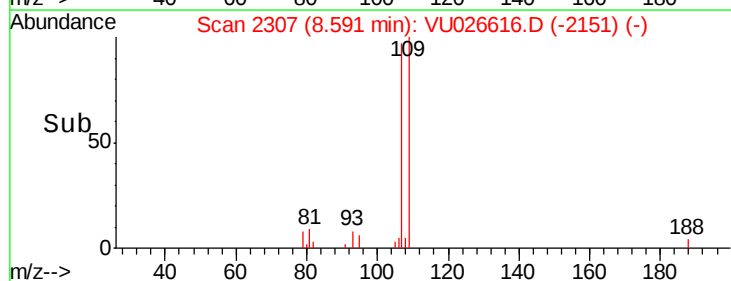
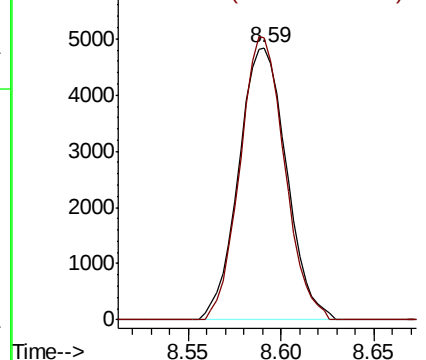
107 100

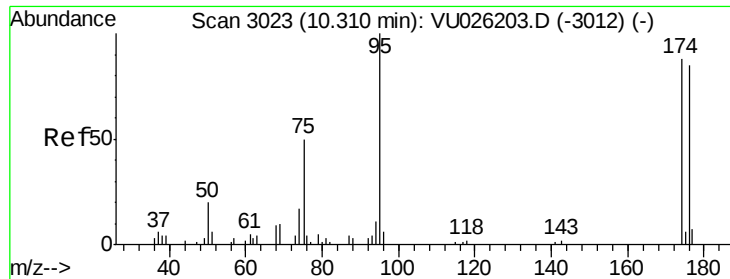
109 96.7 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





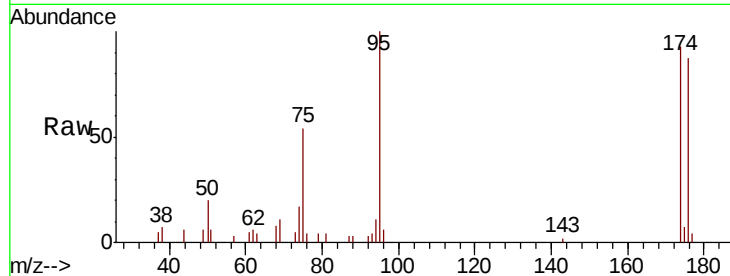
#57
4-Bromofluorobenzene
Concen: 1.62 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.5	65.6	98.4
176	85.3	62.0	93.0

Manual Integrations
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9/10/2018 9:52:47 AM

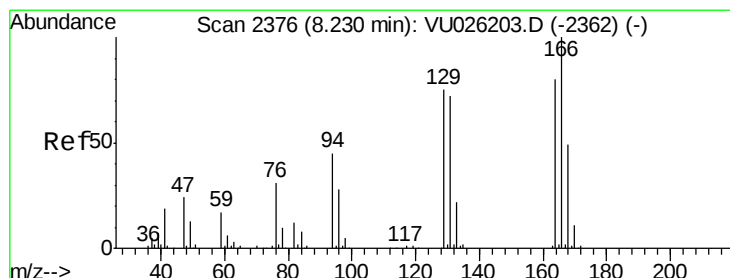
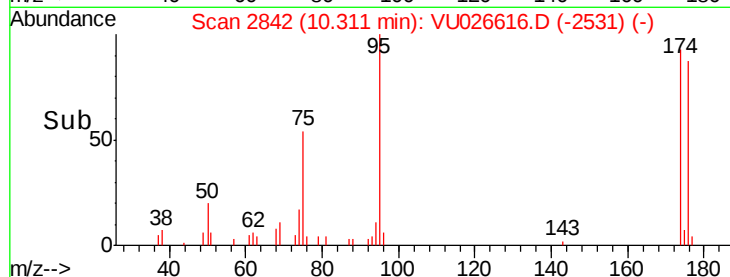
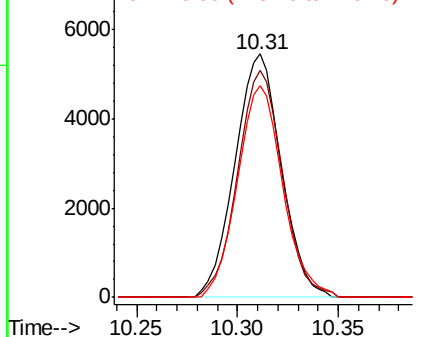


Abundance

Ion 95.00 (94.70 to 95.70): V

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#58
Tetrachloroethene
Concen: 1.58 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.5	104.1	156.1
129	97.0	76.8	115.2
131	91.5	72.6	108.8

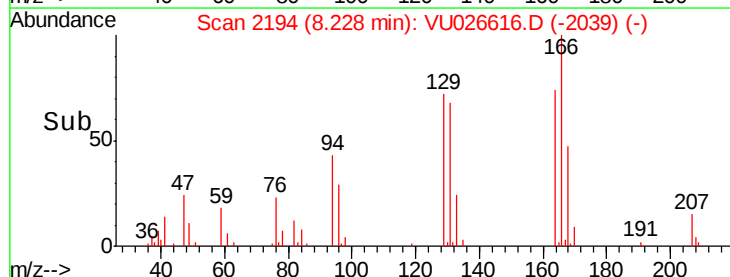
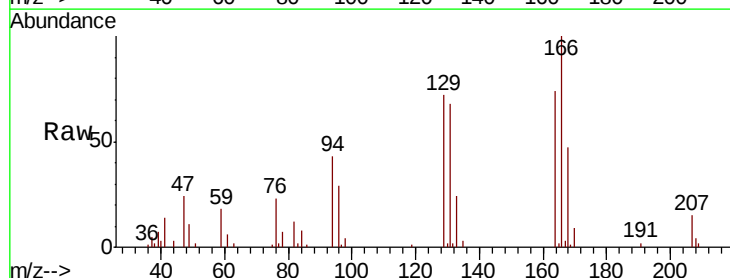
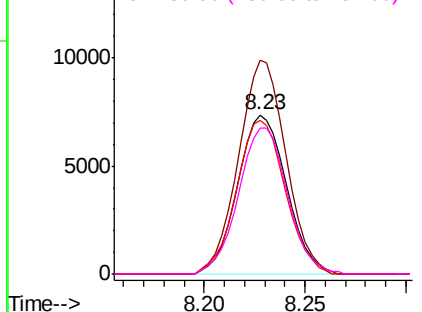
Abundance

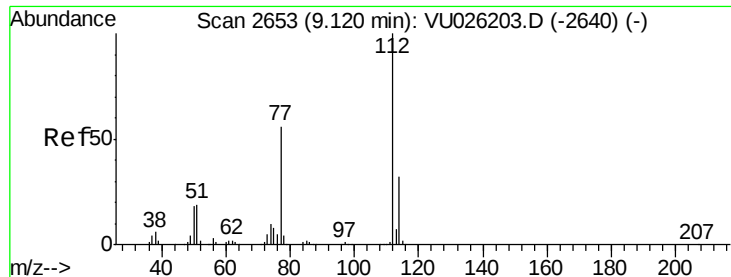
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





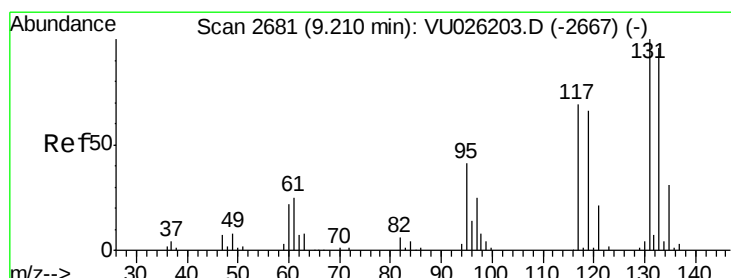
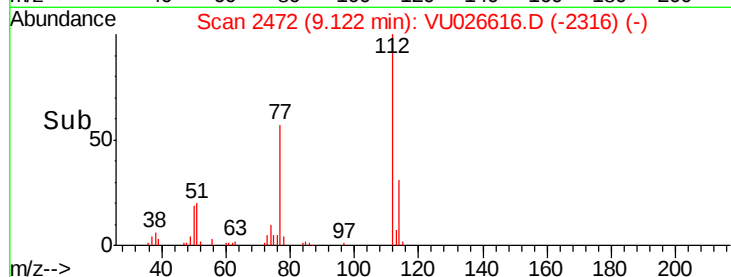
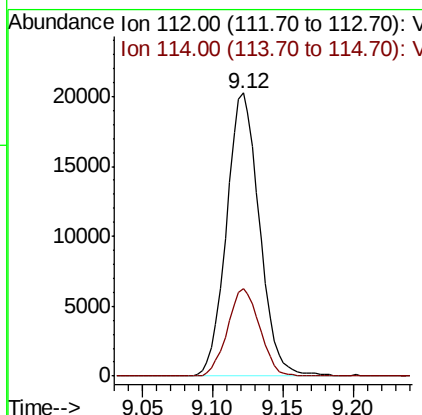
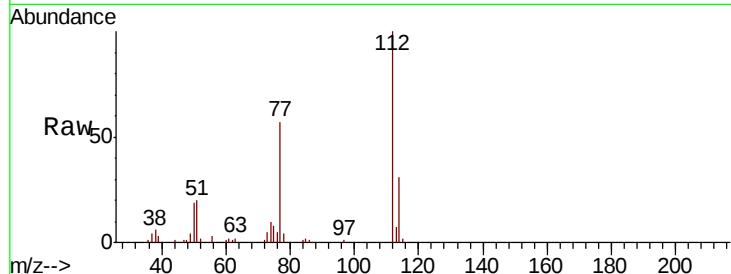
#59
Chlorobenzene
Concen: 1.69 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

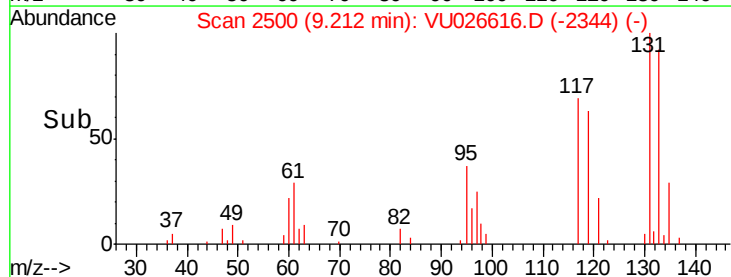
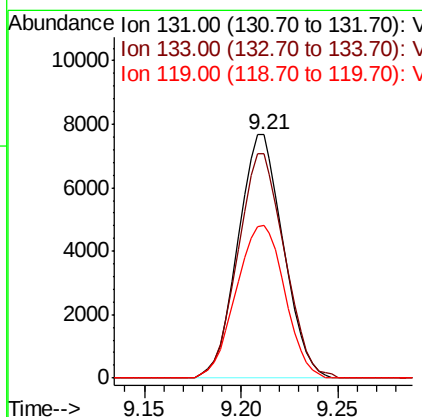
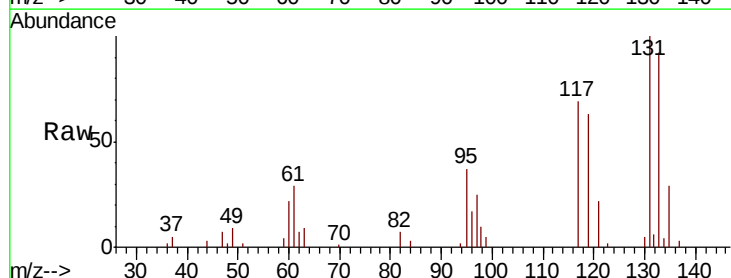
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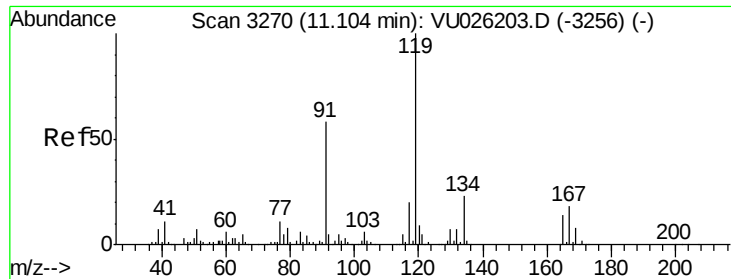
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.60 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.8	113.8
119	67.0	53.0	79.6





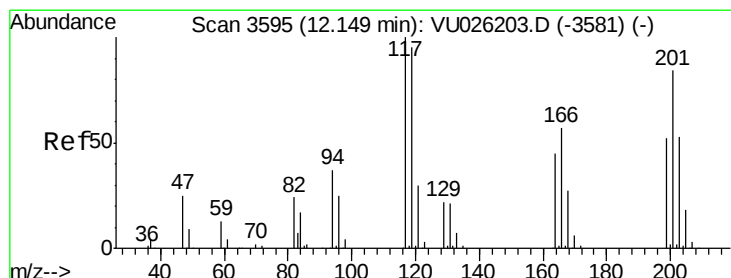
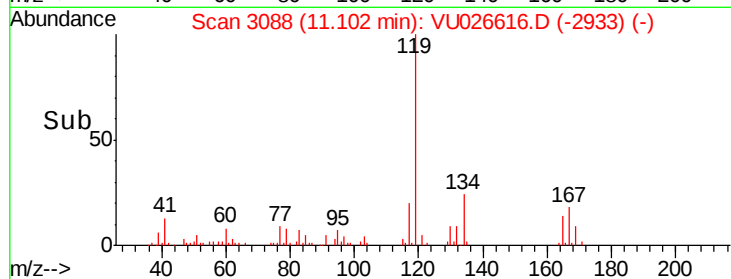
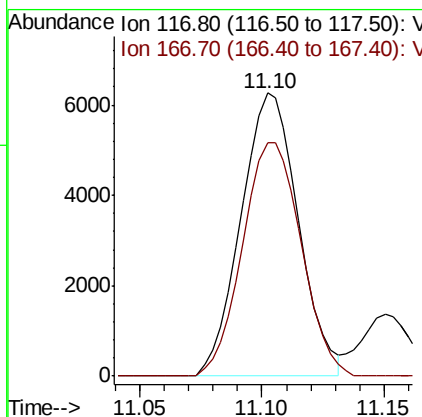
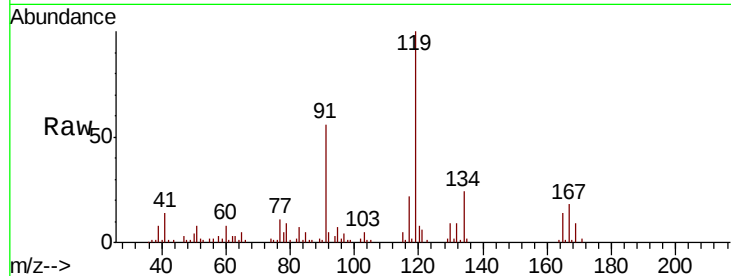
#61
 Pentachloroethane
 Concen: 1.53 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
167	84.2	69.2	103.8

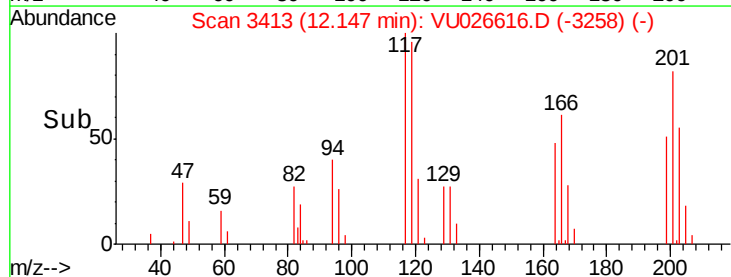
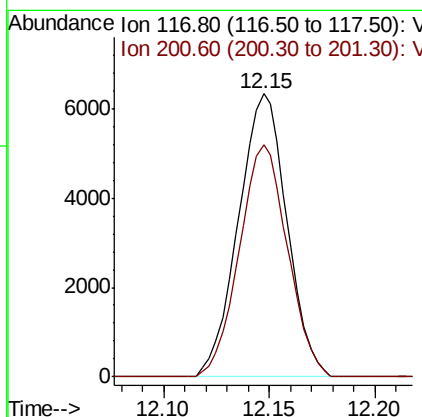
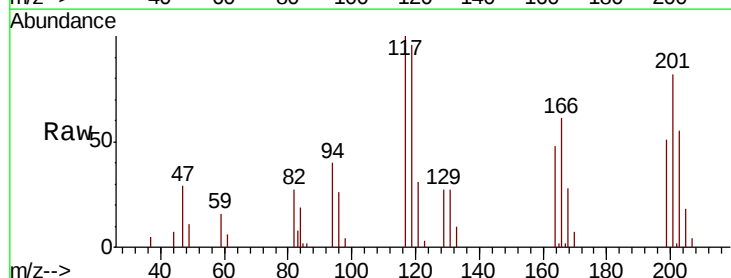
Manual Integrations
 APPROVED

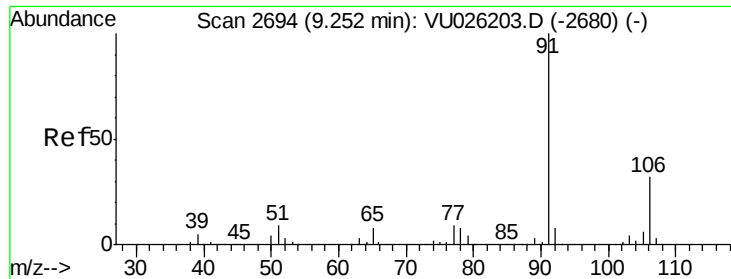
MMDadoda
 9/10/2018 9:52:47 AM



#62
 Hexachloroethane
 Concen: 1.52 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	68.7	103.1





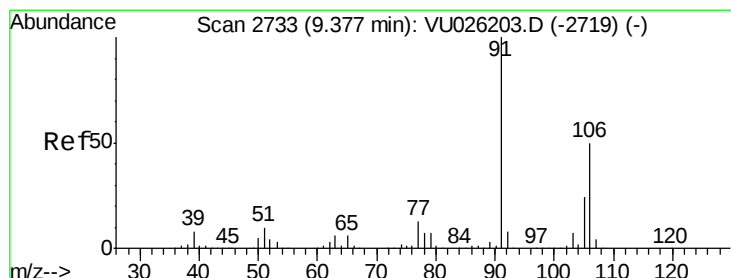
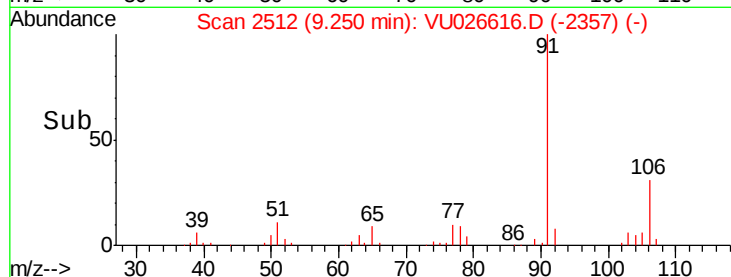
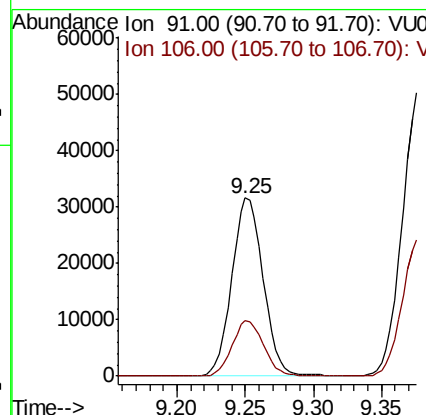
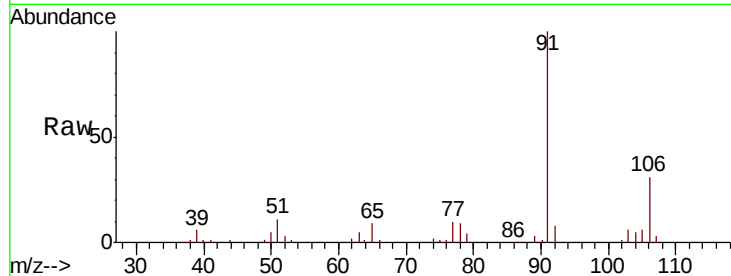
#63
Ethyl Benzene
Concen: 1.63 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion: 91 Resp: 50575
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

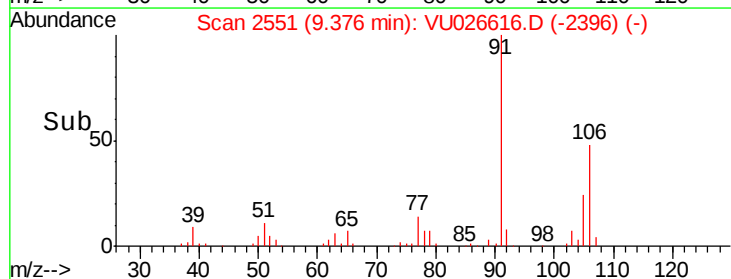
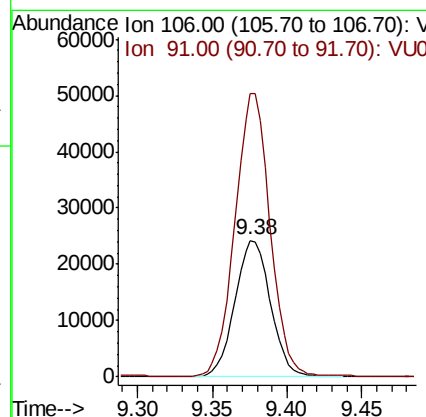
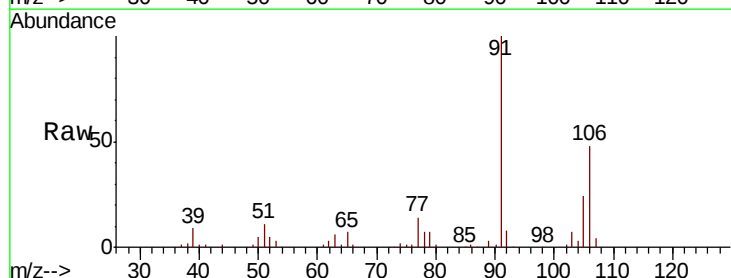
Manual Integrations
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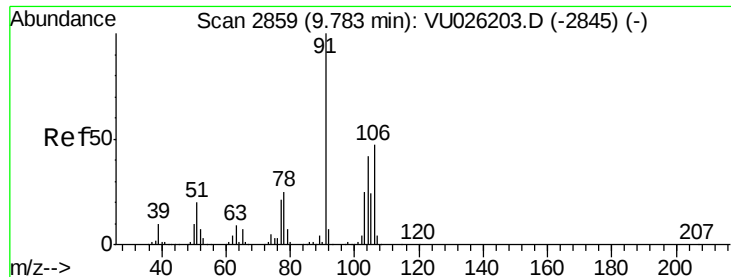
MMDadoda
9/10/2018 9:52:47 AM



#64
m/p-Xylenes
Concen: 3.24 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion: 106 Resp: 40186
Ion Ratio Lower Upper
106 100
91 204.7 164.1 246.1





#65

o-Xylene

Concen: 1.62 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion:106 Resp: 19216

Ion Ratio Lower Upper

106 100

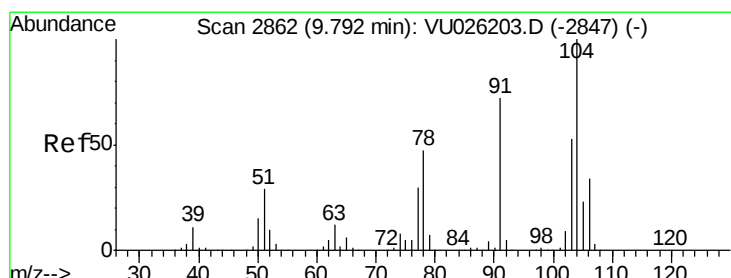
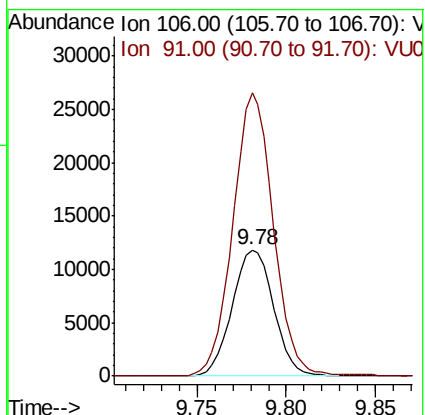
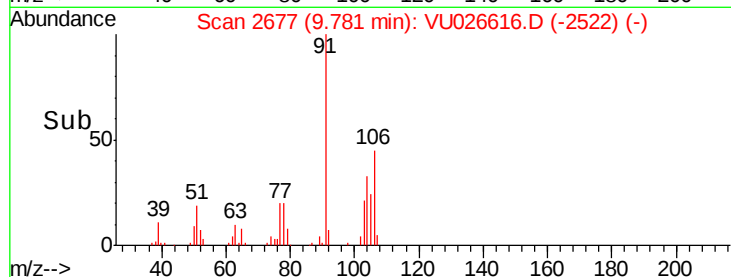
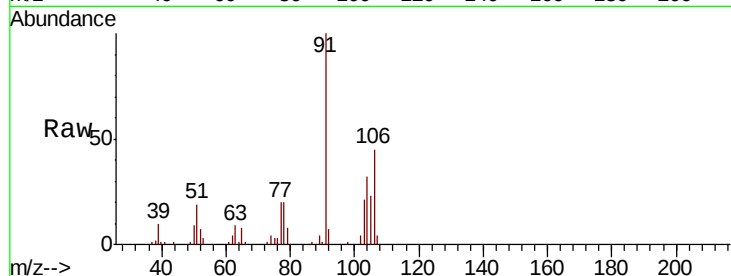
91 217.6 107.9 323.7

Manual Integrations

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#66

Styrene

Concen: 1.61 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

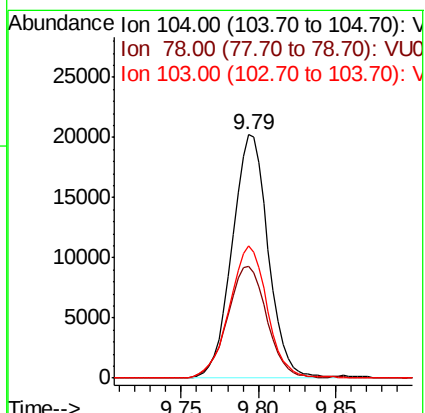
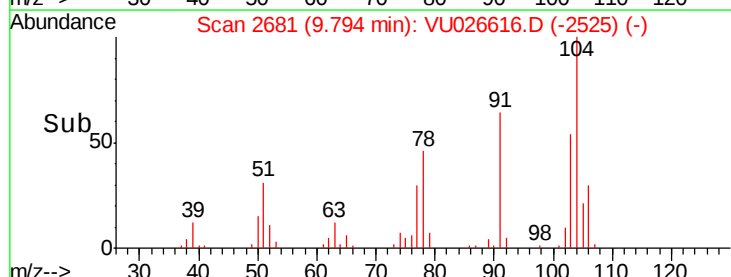
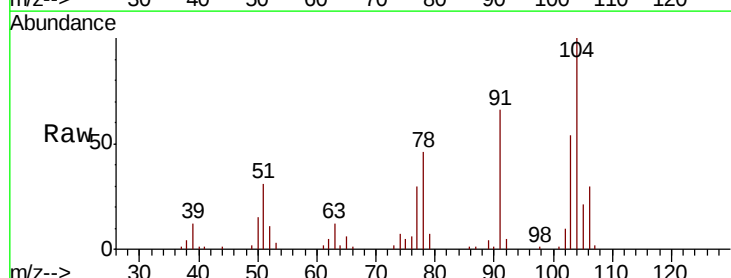
Tgt Ion:104 Resp: 32652

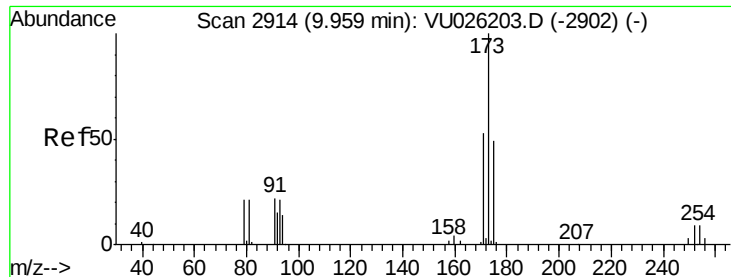
Ion Ratio Lower Upper

104 100

78 50.3 40.2 60.2

103 57.0 44.2 66.4





#67

Bromoform

Concen: 1.54 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

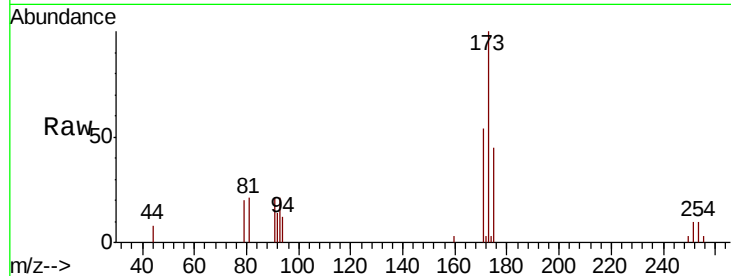
ClientSampleId :

VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.6	57.8
254	9.5	8.8	13.2

Manual Integrations
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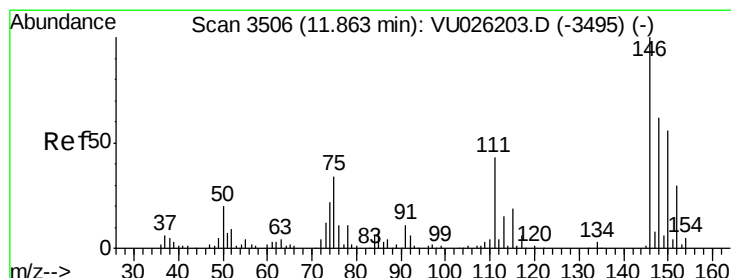
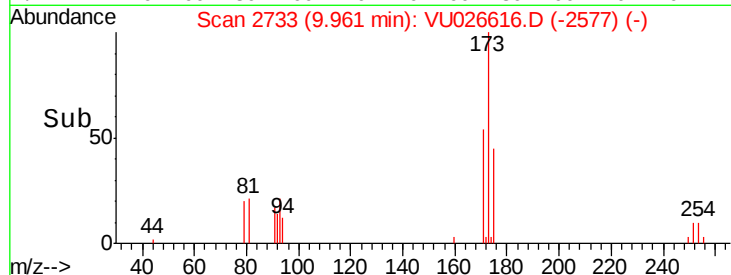
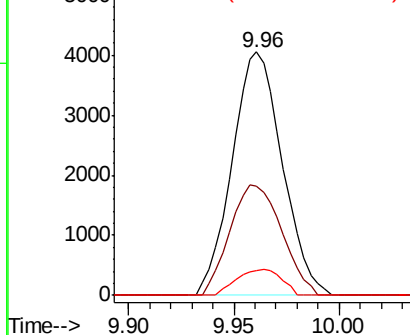


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.54 ug/l

RT: 11.86 min Scan# 3324

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

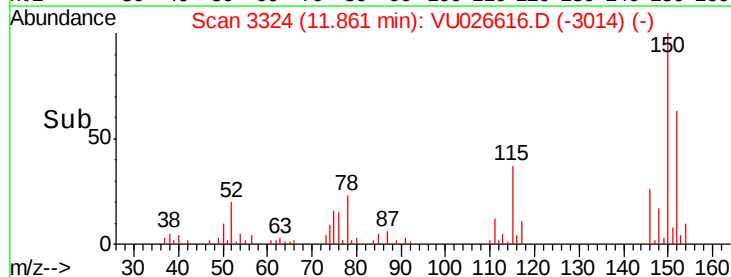
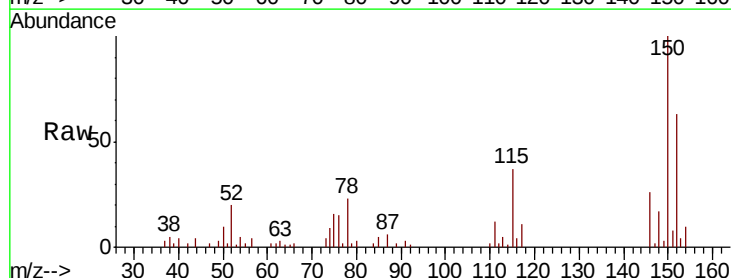
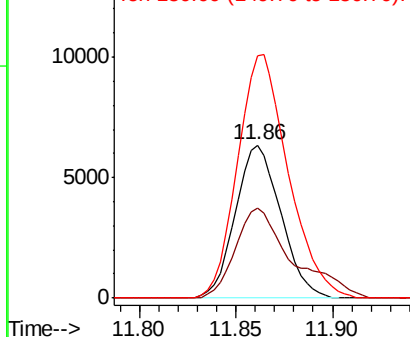
Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.5	0.0	118.8
150	178.1	0.0	0.0#

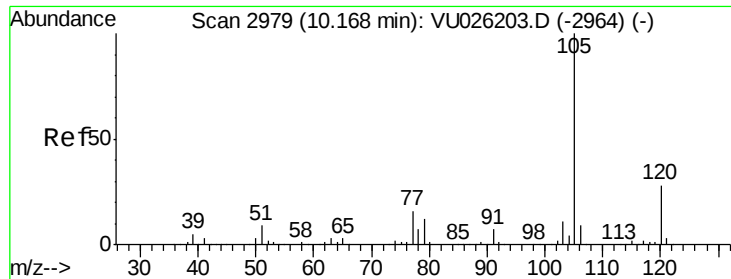
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.62 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion:105 Resp: 50656

Ion Ratio Lower Upper

105 100

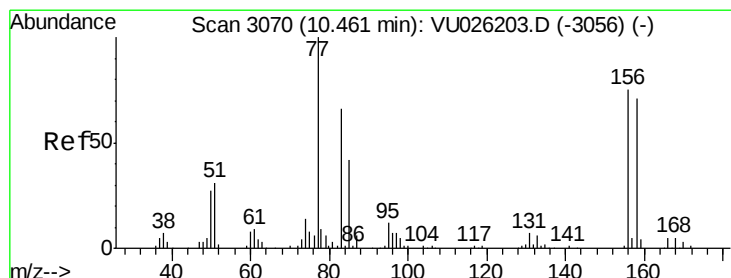
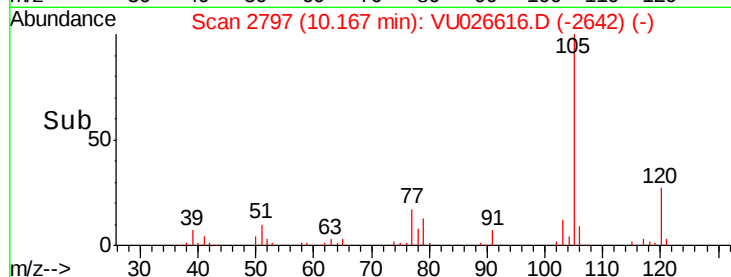
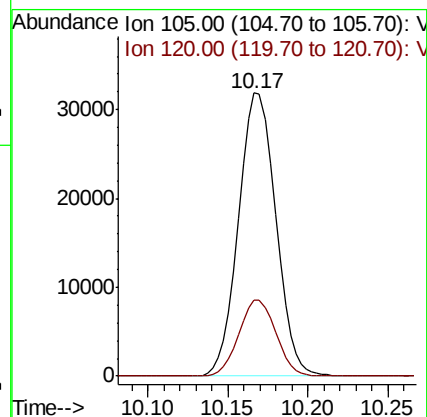
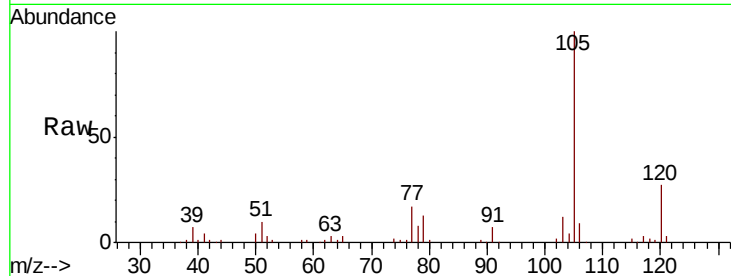
120 26.6 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.72 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

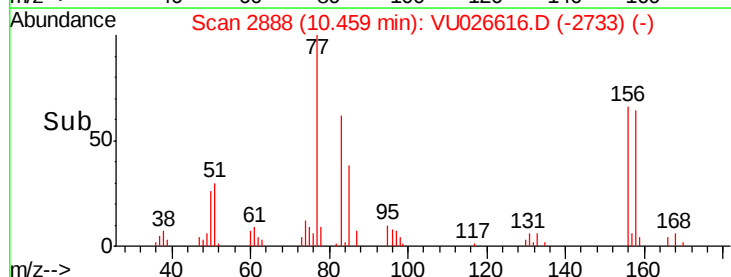
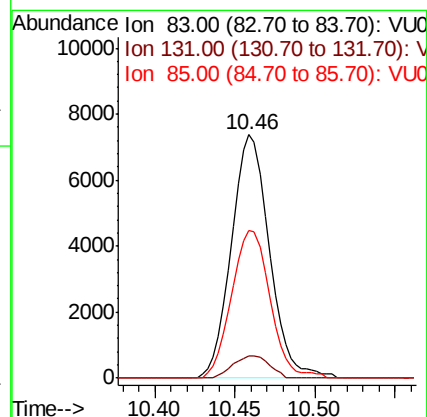
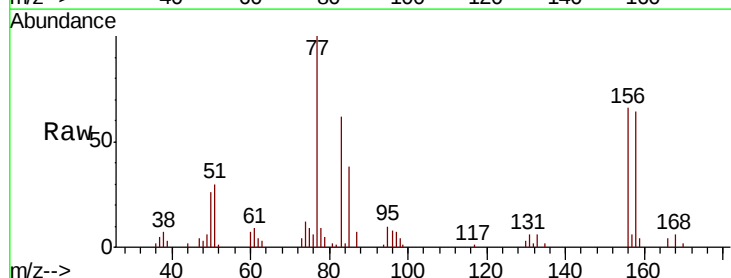
Tgt Ion: 83 Resp: 11949

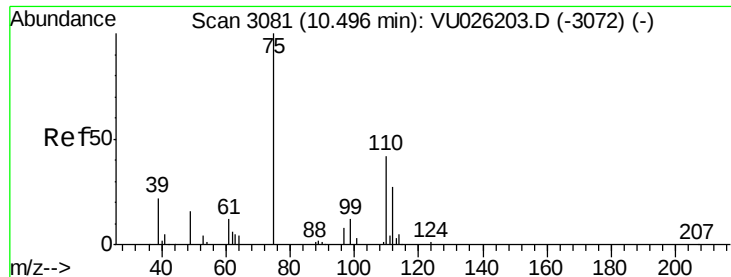
Ion Ratio Lower Upper

83 100

131 8.7 7.9 11.9

85 61.5 51.8 77.6





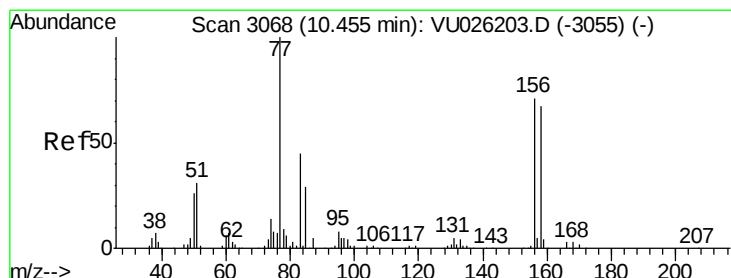
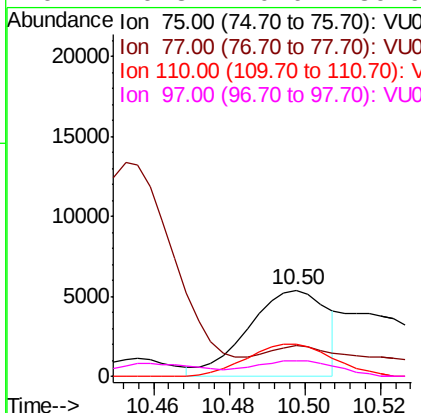
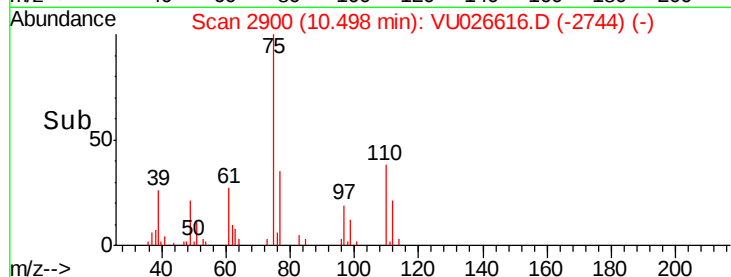
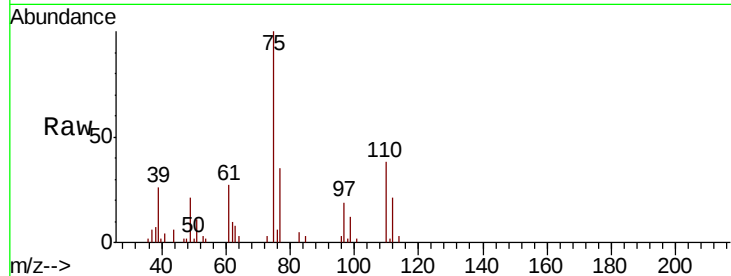
#71
 1,2,3-Trichloropropane
 Concen: 1.57 ug/l m
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
75	75	100		
77	77	54.4	0.0	0.0#
110	110	40.6	0.0	74.0
97	97	19.3	0.0	39.6

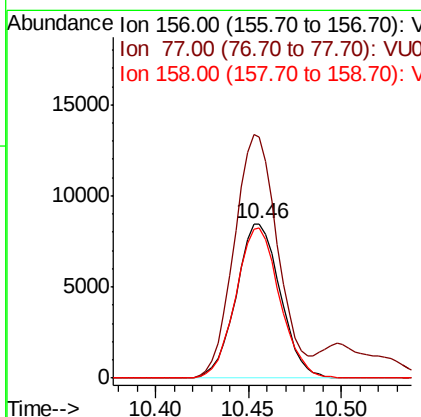
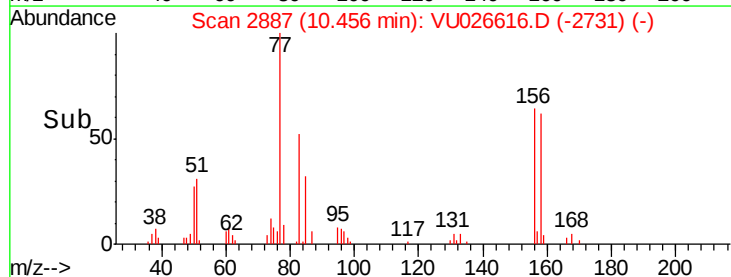
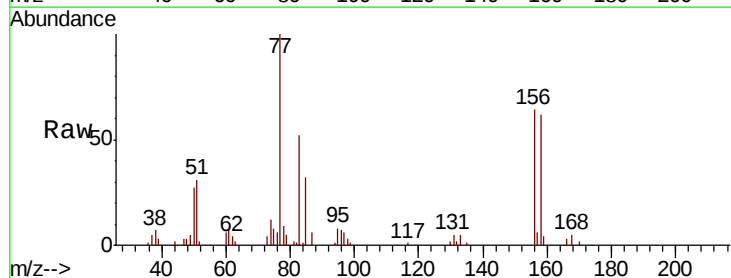
Manual Integrations
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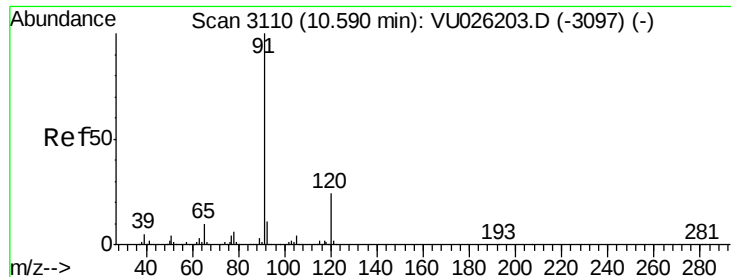
MMDadoda
 9/10/2018 9:52:47 AM



#72
 Bromobenzene
 Concen: 1.60 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
156	156	100		
77	77	155.3	0.0	309.8
158	158	96.9	0.0	193.0





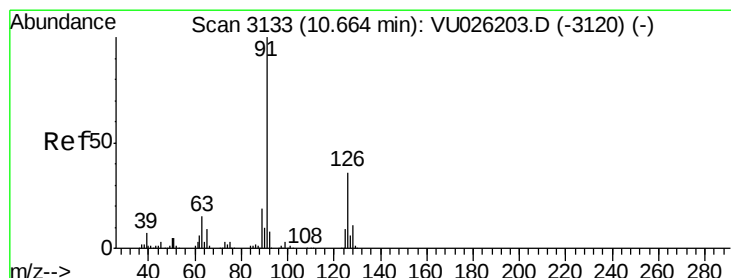
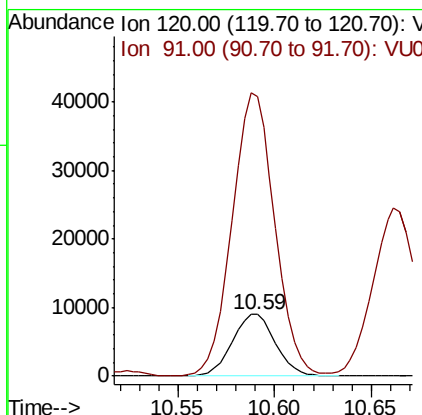
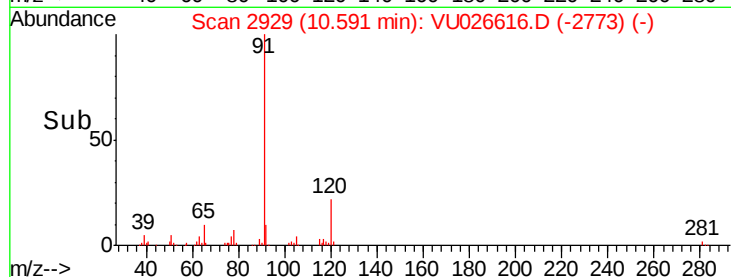
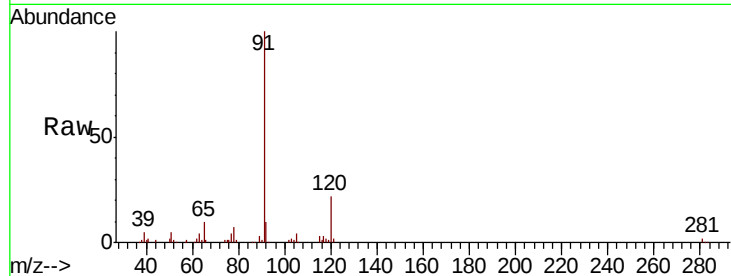
#73
n-propylbenzene
Concen: 1.53 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion:120 Resp: 13947
Ion Ratio Lower Upper
120 100
91 453.6 352.2 528.4

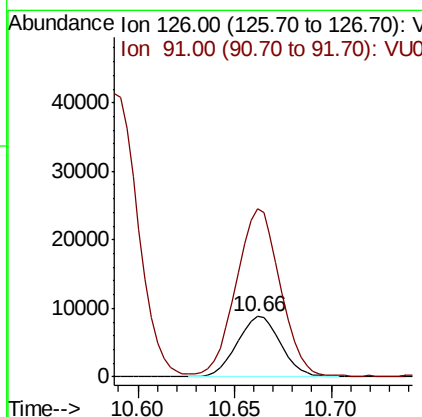
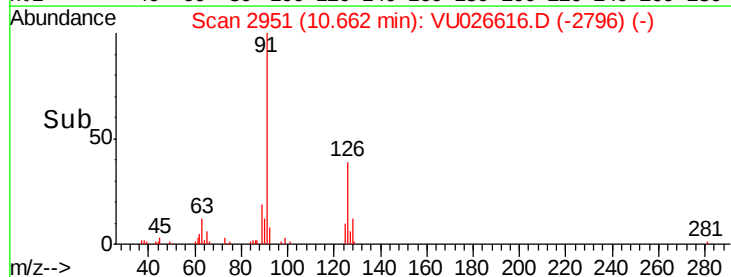
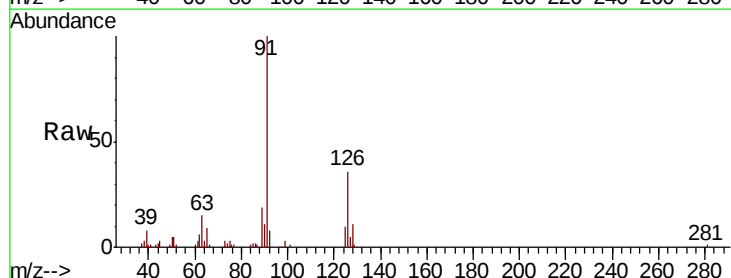
Manual Integrations
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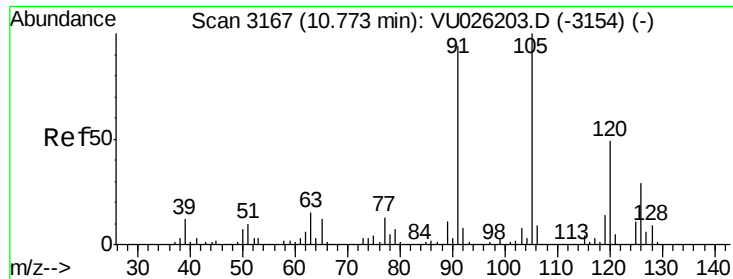
MMDadoda
9/10/2018 9:52:47 AM



#74
2-Chlorotoluene
Concen: 1.67 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion:126 Resp: 13796
Ion Ratio Lower Upper
126 100
91 281.4 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 1.61 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion:105 Resp: 44737

Ion Ratio Lower Upper

105 100

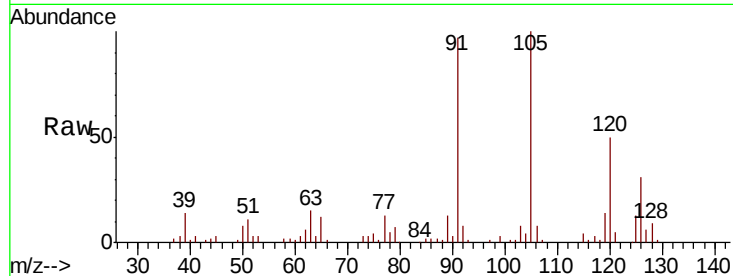
120 48.8 39.0 58.6

Manual Integrations

APPROVED

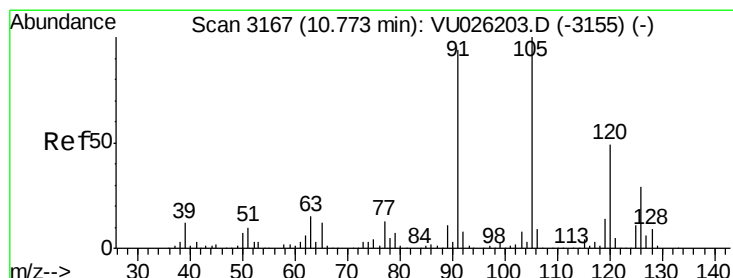
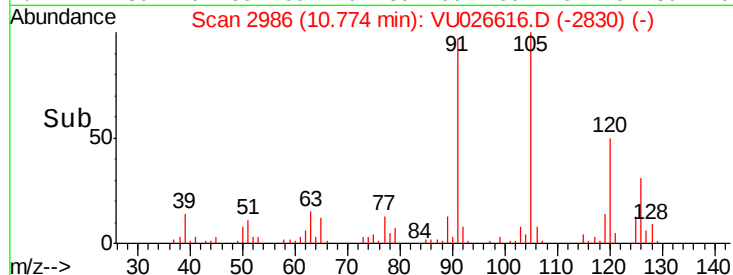
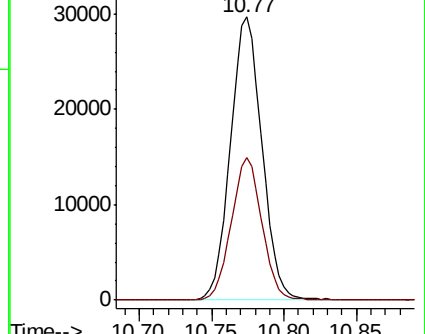
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.65 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026616.D

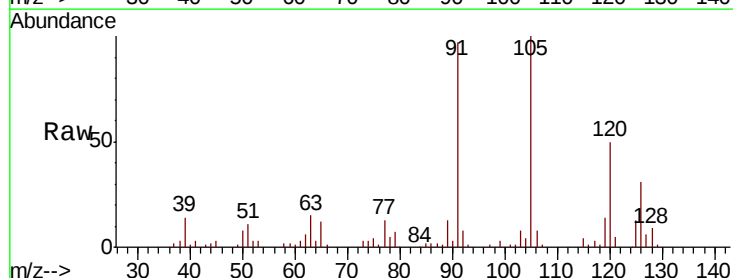
Acq: 07 Sep 2018 11:55

Tgt Ion:126 Resp: 13971

Ion Ratio Lower Upper

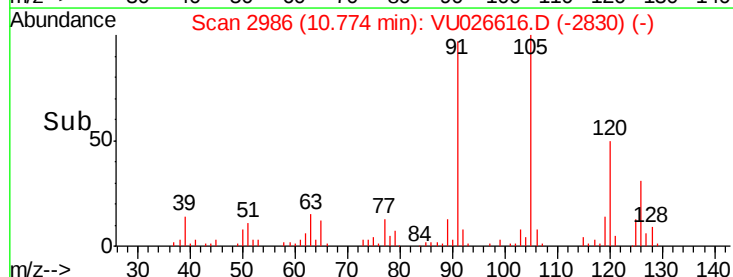
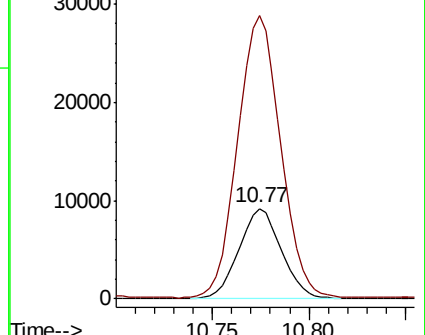
126 100

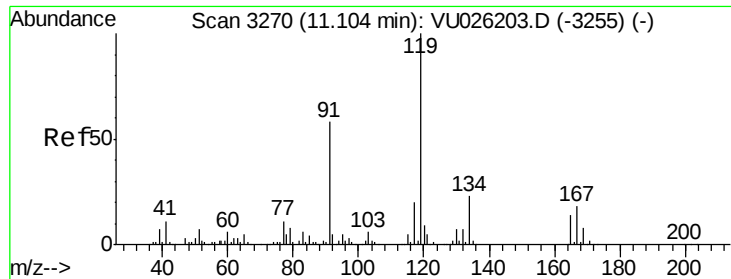
91 316.8 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.57 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

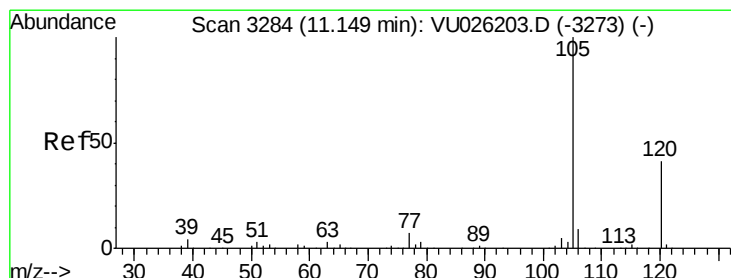
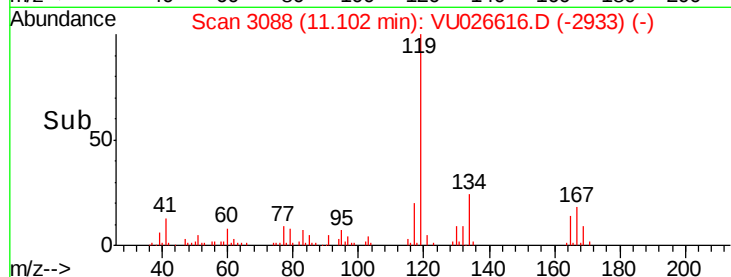
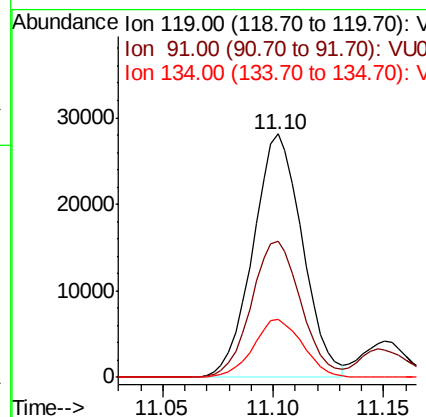
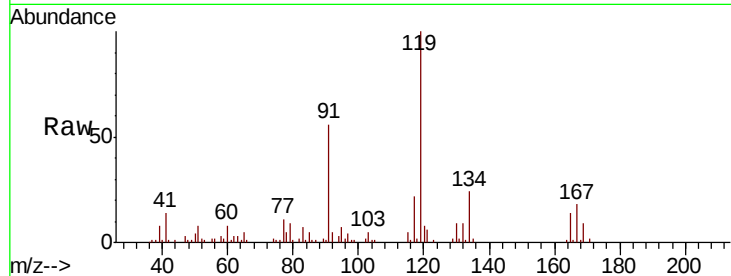
ClientSampleId :

VU0907WBSD01

Tot Ion:	119	Resp:	43557
Ion Ratio	Lower	Upper	
119	100		
91	56.6	29.6	88.8
134	23.8	19.1	28.7

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#78

1,2,4-Trimethylbenzene

Concen: 1.59 ug/l

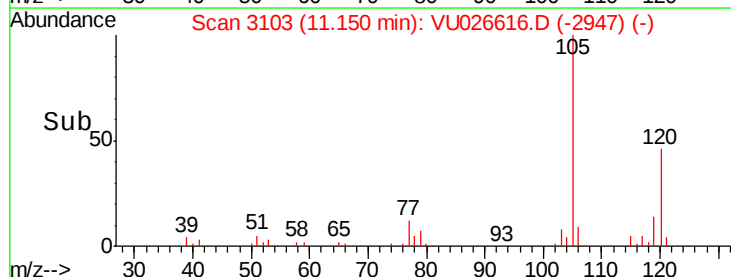
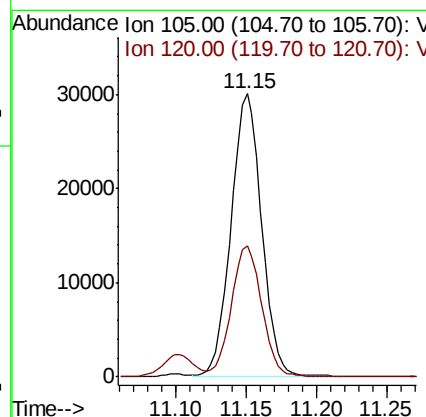
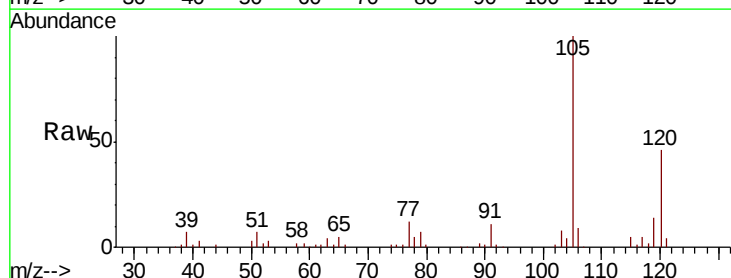
RT: 11.15 min Scan# 3103

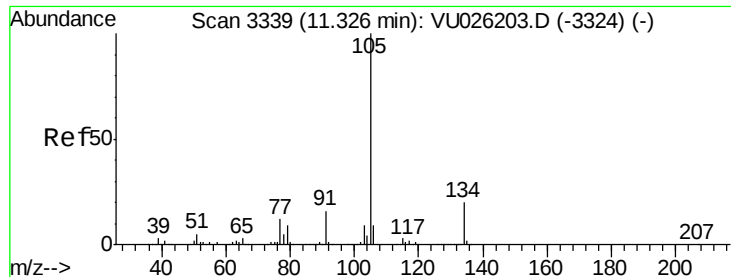
Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Tgt Ion:	105	Resp:	45705
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.1	69.3





#79

sec-Butylbenzene

Concen: 1.61 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBSD01

Tot Ion: 105 Resp: 58344

Ion Ratio Lower Upper

105 100

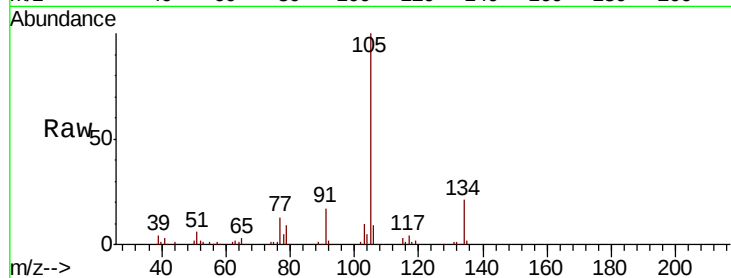
134 20.3 15.6 23.4

Manual Integrations

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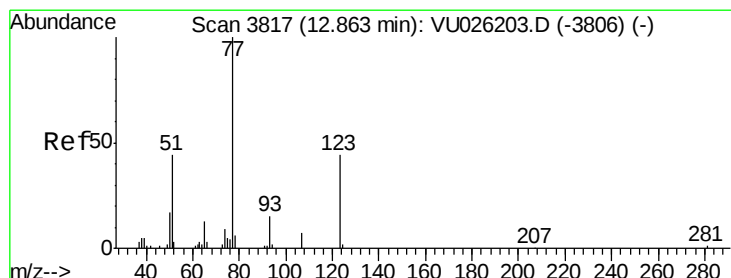
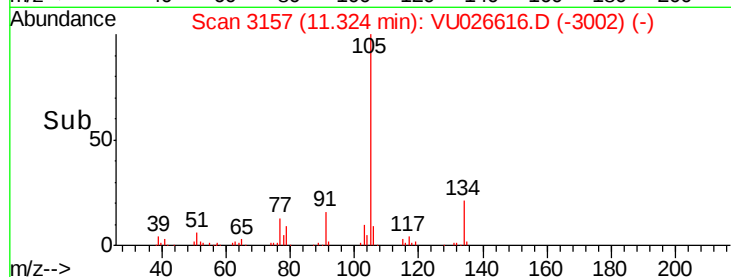
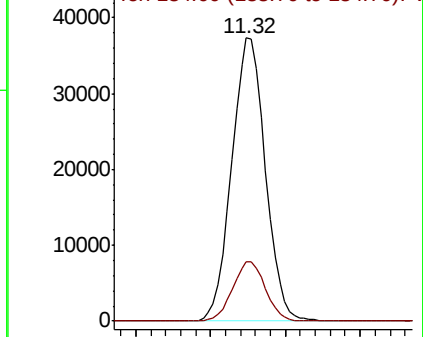
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 7.54 ug/l

RT: 12.86 min Scan# 3636

Delta R.T. 0.00 min

Lab File: VU026616.D

Acq: 07 Sep 2018 11:55

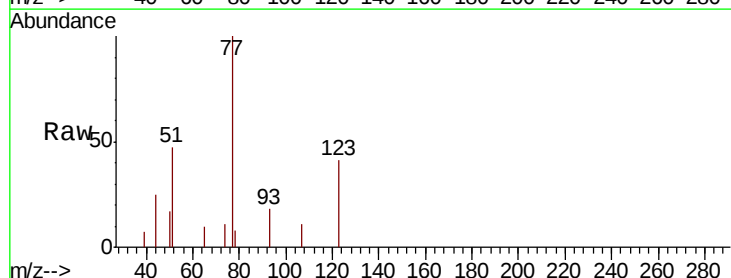
Tgt Ion: 77 Resp: 2283

Ion Ratio Lower Upper

77 100

123 42.7 19.4 68.6

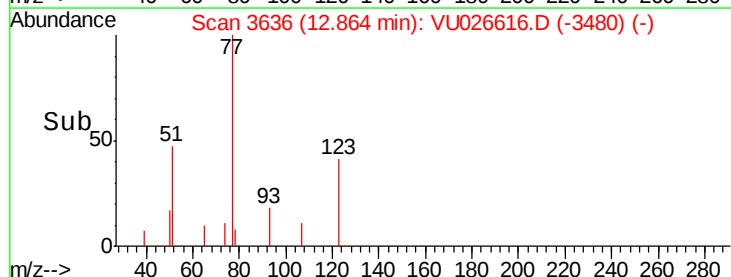
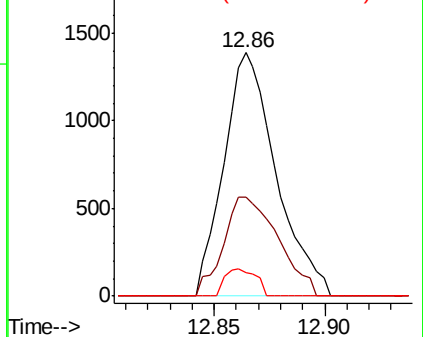
65 6.5 11.2 14.2#

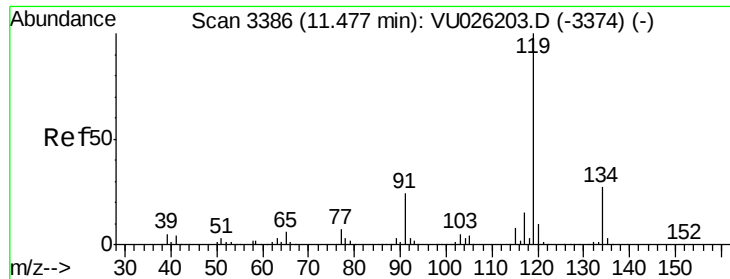


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





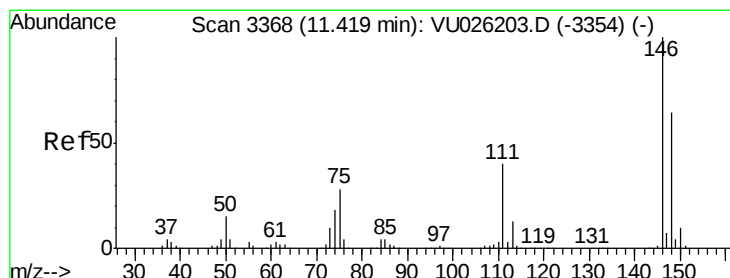
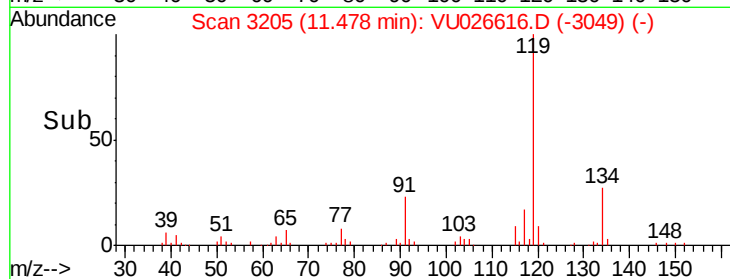
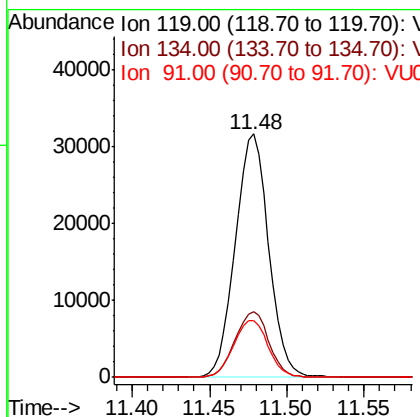
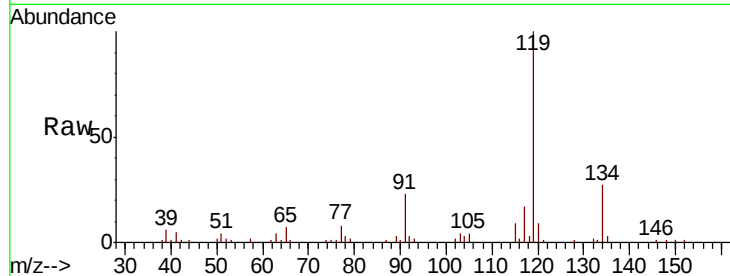
#81
 p-Isopropyltoluene
 Concen: 1.54 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	20.9	31.3
91	24.2	18.2	27.2

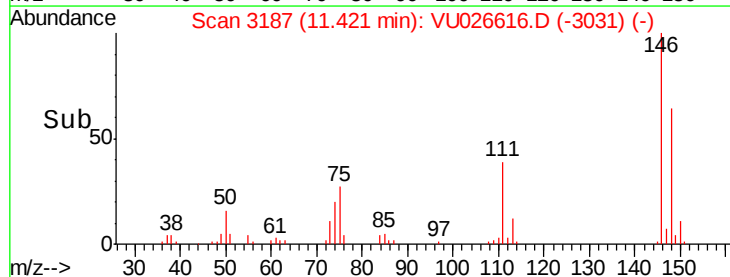
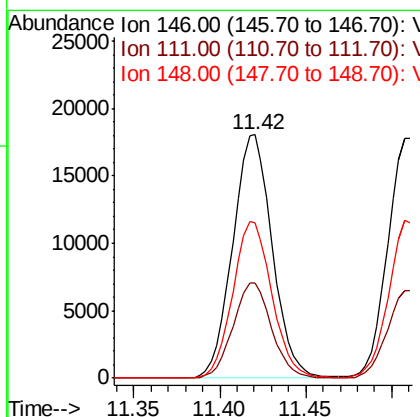
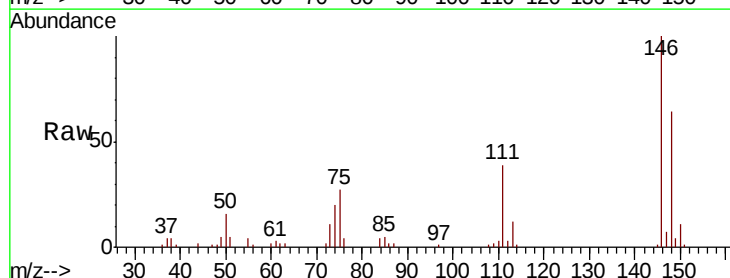
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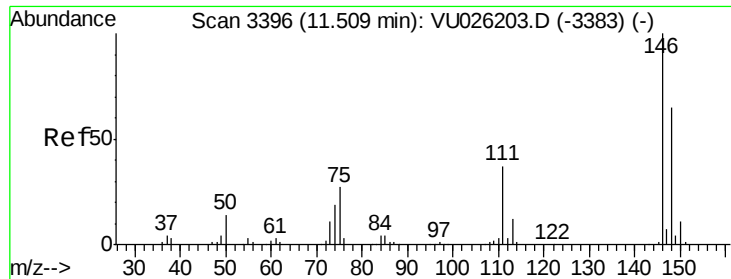
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 9/10/2018 9:52:47 AM



#82
 1,3-Dichlorobenzene
 Concen: 1.57 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	31.8	47.6
148	63.4	51.0	76.4





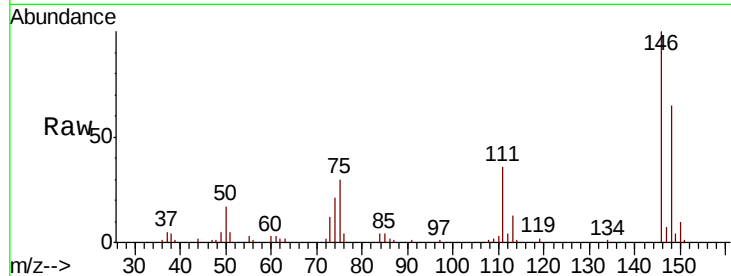
#83
 1,4-Dichlorobenzene
 Concen: 1.56 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	30.1	45.1
148	62.3	50.6	76.0

Manual Integrations
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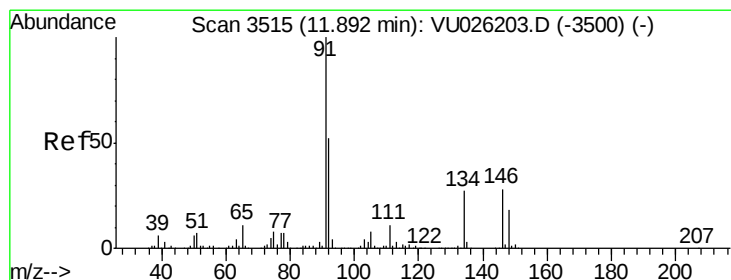
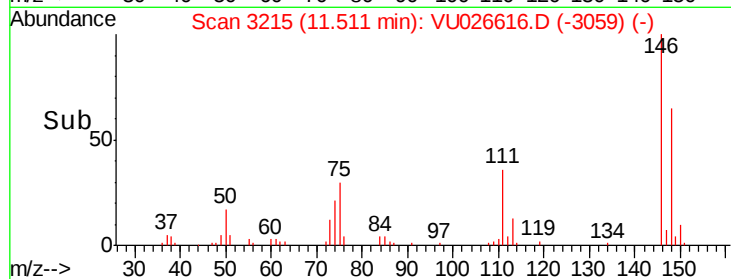
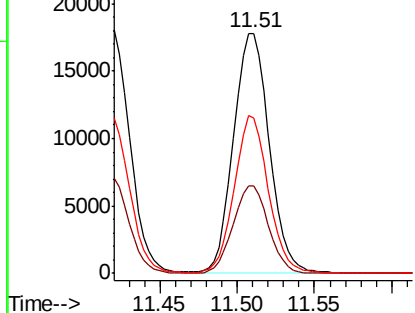


Abundance

Ion 146.00 (145.70 to 146.70): V

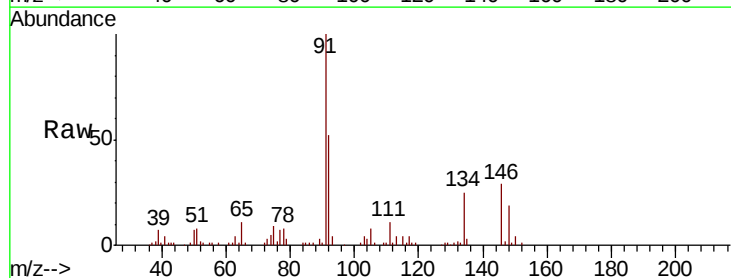
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
 n-Butylbenzene
 Concen: 1.52 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	42.2	63.2
134	24.2	20.3	30.5

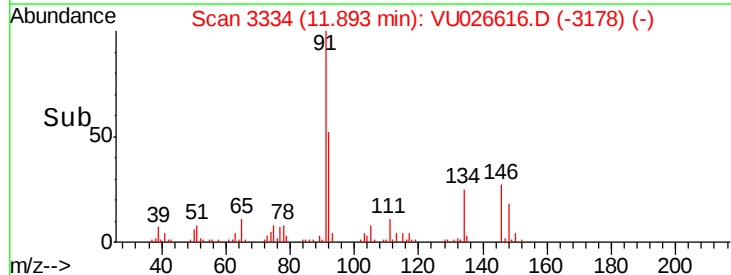
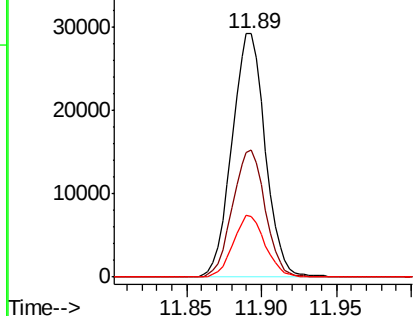


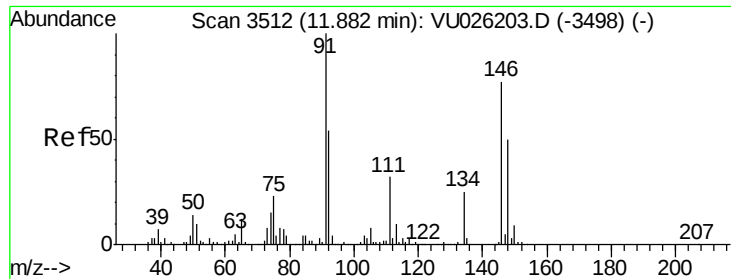
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





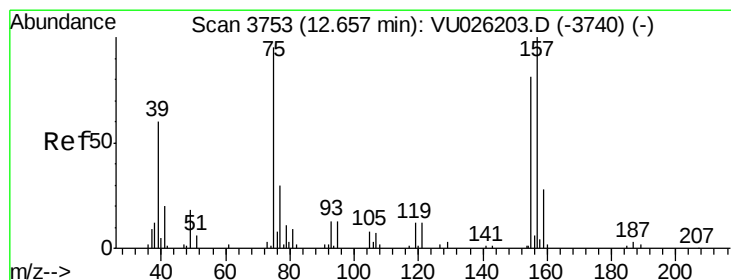
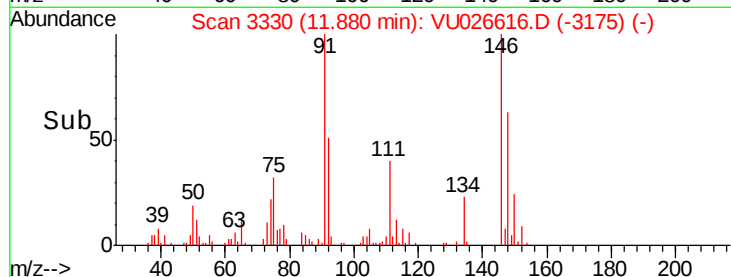
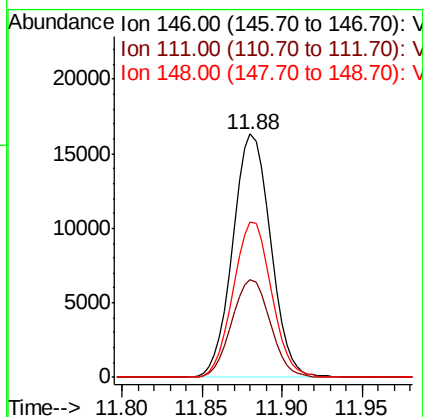
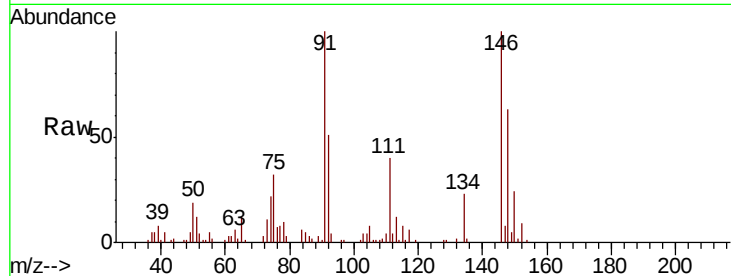
#85
 1,2-Dichlorobenzene
 Concen: 1.56 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	64.4	31.9	95.5

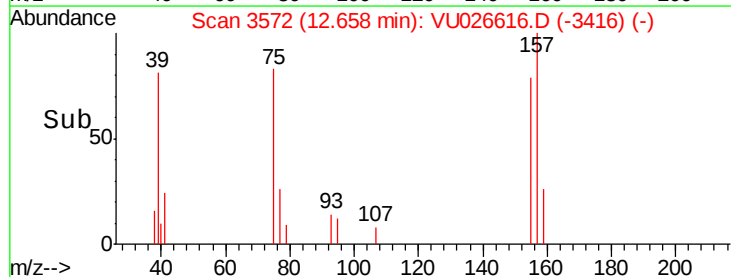
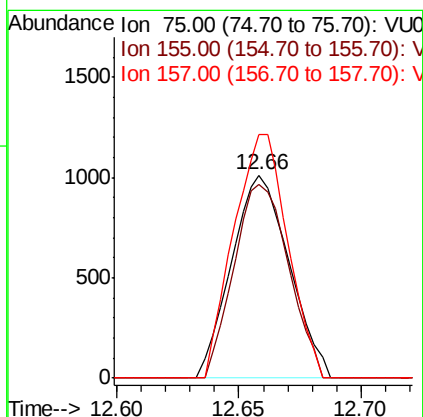
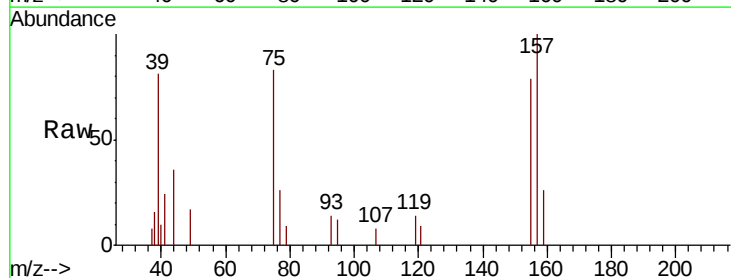
Manual Integrations
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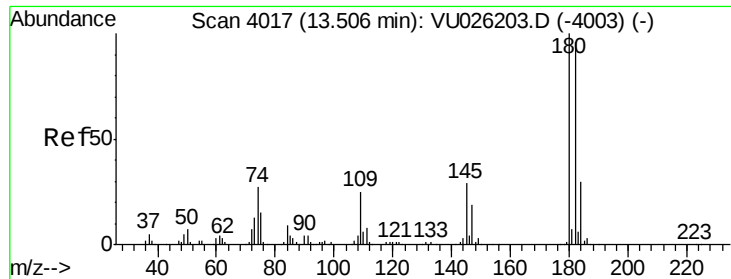
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.36 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	65.8	98.6
157	112.7	83.5	125.3





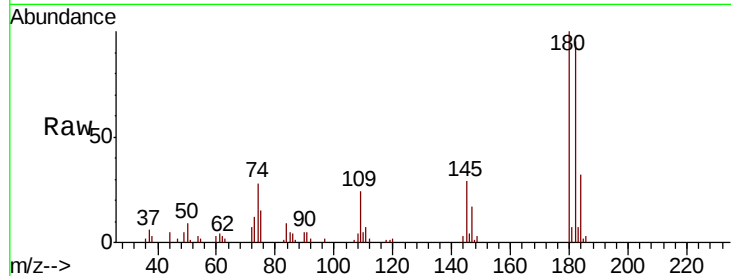
#87
 1,2,4-Trichlorobenzene
 Concen: 1.47 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBSD01

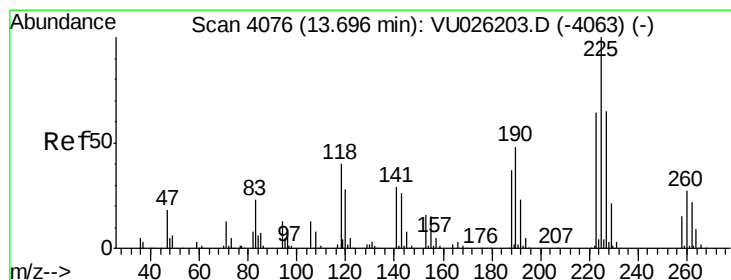
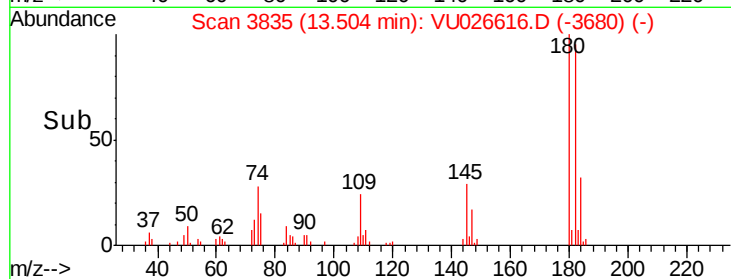
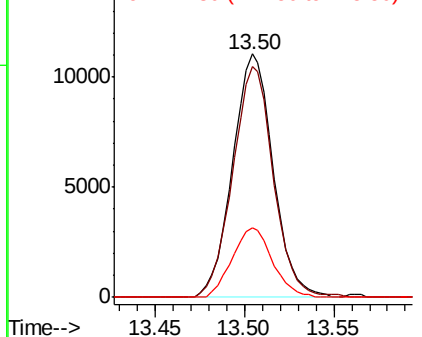
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.1	115.7
145	28.2	23.3	34.9

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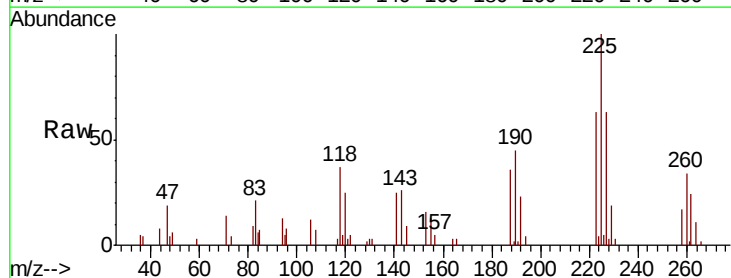


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

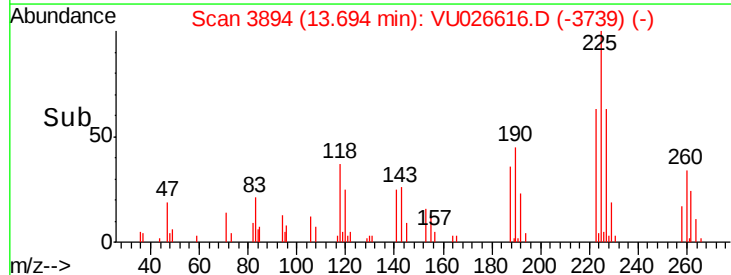
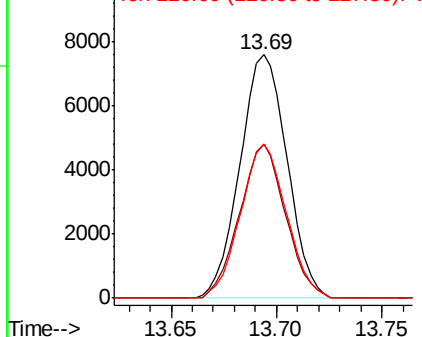


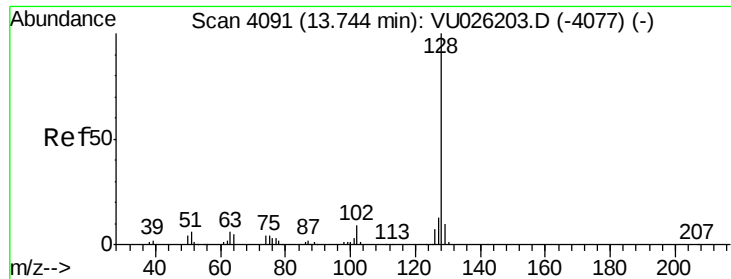
#88
 Hexachlorobutadiene
 Concen: 1.62 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026616.D
 Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.6	75.8
227	61.4	51.8	77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





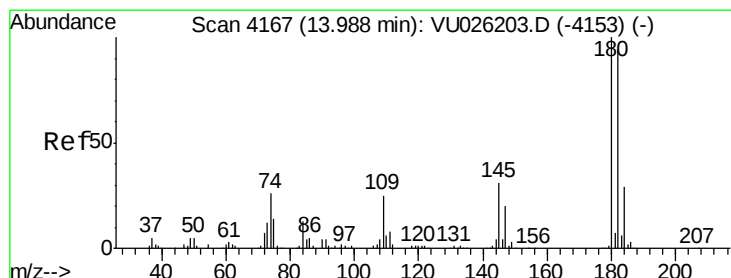
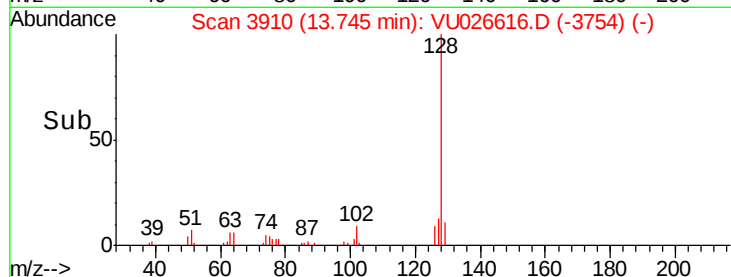
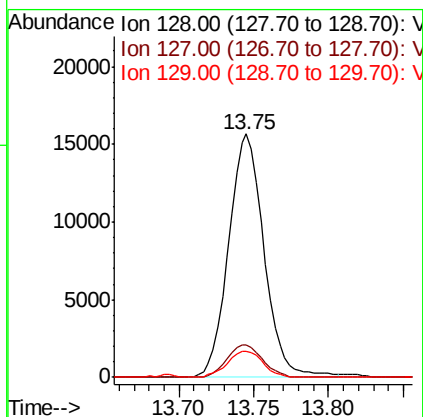
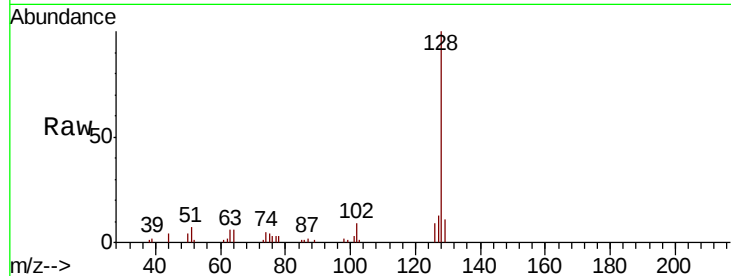
#89
Naphthalene
Concen: 1.38 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 1.49 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026616.D
Acq: 07 Sep 2018 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.8	115.2
145	31.5	24.6	36.8

