

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
 Data File : VU027557.D
 Acq On : 10 Oct 2018 09:06
 Operator : MD/SY
 Sample : VU1010WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:59 AM

Quant Time: Oct 11 04:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	133222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	223014	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	100120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	98406	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	
35) Dibromofluoromethane	4.88	113	72716	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	7.57	98	271657	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
62) 4-Bromofluorobenzene	10.31	95	97921	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	36161	18.827	ug/l	99
3) Chloromethane	1.33	50	45981	17.683	ug/l	100
4) Vinyl Chloride	1.40	62	44192	18.079	ug/l	99
5) Bromomethane	1.62	94	25140	23.769	ug/l	99
6) Chloroethane	1.70	64	25355	17.262	ug/l	99
7) Trichlorofluoromethane	1.89	101	46515	18.755	ug/l	99
8) Diethyl Ether	2.11	74	21090	18.460	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28722	19.941	ug/l	99
10) Methyl Iodide	2.41	142	25950	25.488	ug/l	97
11) Tert butyl alcohol	2.83	59	44589	95.182	ug/l	98
12) 1,1-Dichloroethene	2.28	96	26423	18.777	ug/l	98
13) Acrolein	2.20	56	15348	39.045	ug/l	100
14) Allyl chloride	2.59	41	60116	17.990	ug/l	96
15) Acrylonitrile	2.94	53	114703	94.075	ug/l	100
16) Acetone	2.32	43	113939	86.699	ug/l	97
17) Carbon Disulfide	2.48	76	81471	16.052	ug/l	100
18) Methyl Acetate	2.62	43	62781	20.941	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	109253	19.376	ug/l	100
20) Methylene Chloride	2.70	84	33675	18.396	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	29218	18.494	ug/l	97
22) Diisopropyl ether	3.58	45	127481	18.769	ug/l	97
23) Vinyl Acetate	3.53	43	538303	90.753	ug/l	99
24) 1,1-Dichloroethane	3.45	63	65368	18.721	ug/l	99
25) 2-Butanone	4.26	43	166352	92.825	ug/l	99
26) 2,2-Dichloropropane	4.23	77	52950	18.456	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	33789	18.702	ug/l	98
28) Bromochloromethane	4.55	49	33419	19.838	ug/l	95
29) Tetrahydrofuran	4.64	42	106753	94.521	ug/l	99
30) Chloroform	4.67	83	59539	19.193	ug/l	98
31) Cyclohexane	5.00	56	60960	16.929	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	49355	18.890	ug/l	99
36) 1,1-Dichloropropene	5.14	75	43681	18.039	ug/l	98
37) Ethyl Acetate	4.39	43	58138	18.578	ug/l	99
38) Carbon Tetrachloride	5.13	117	41477	18.963	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	51936	18.348	ug/l	97
40) Benzene	5.39	78	135020	19.143	ug/l	100
41) Methacrylonitrile	4.55	41	32739	18.509	ug/l	96
42) 1,2-Dichloroethane	5.40	62	49703	18.984	ug/l	98
43) Isopropyl Acetate	5.55	43	93502	19.238	ug/l	100
44) Trichloroethene	6.19	130	30369	19.309	ug/l	98
45) 1,2-Dichloropropane	6.43	63	39414	19.374	ug/l	99
46) Dibromomethane	6.56	93	22841	19.879	ug/l	98
47) Bromodichloromethane	6.76	83	45758	19.192	ug/l	98
48) Methyl methacrylate	6.62	41	45671	18.896	ug/l	98
49) 1,4-Dioxane	6.61	88	18162	436.729	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	301571	95.484	ug/l	99
52) Toluene	7.64	92	80035	19.171	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	53101	18.996	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	57749	19.217	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	32394	19.570	ug/l	100
56) Ethyl methacrylate	8.02	69	53886	18.499	ug/l	97
57) 1,3-Dichloropropane	8.24	76	61187	19.042	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148859	90.930	ug/l	99
59) 2-Hexanone	8.36	43	234334	95.647	ug/l	99
60) Dibromochloromethane	8.48	129	32296	19.454	ug/l	99
61) 1,2-Dibromoethane	8.59	107	33700	19.149	ug/l	100
64) Tetrachloroethene	8.23	164	25020	19.770	ug/l	99
65) Chlorobenzene	9.12	112	83129	19.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	29736	20.130	ug/l	99
67) Ethyl Benzene	9.25	91	145332	19.169	ug/l	100
68) m/p-Xylenes	9.38	106	110164	39.725	ug/l	99
69) o-Xylene	9.78	106	53072	20.139	ug/l	99
70) Styrene	9.79	104	87149	19.177	ug/l	99
71) Bromoform	9.96	173	23299	19.603	ug/l #	99
73) Isopropylbenzene	10.17	105	144952	19.934	ug/l	100
74) N-amyl acetate	10.02	43	78606	18.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	55143	19.313	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	49823m	19.197	ug/l	
77) Bromobenzene	10.45	156	33389	19.757	ug/l	98
78) n-propylbenzene	10.59	91	171653	19.645	ug/l	100
79) 2-Chlorotoluene	10.66	91	102843	19.494	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	119206	20.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	19172m	19.333	ug/l	
82) 4-Chlorotoluene	10.77	91	117147	19.567	ug/l	99
83) tert-Butylbenzene	11.10	119	115719	20.219	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	120842	19.982	ug/l	98
85) sec-Butylbenzene	11.32	105	145232	20.140	ug/l	100
86) p-Isopropyltoluene	11.48	119	125259	20.287	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	61198	19.124	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	62430	19.092	ug/l	99
89) n-Butylbenzene	11.89	91	108811	17.909	ug/l	99
90) Hexachloroethane	12.15	117	22771	19.566	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	62187	19.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12340	19.501	ug/l	99

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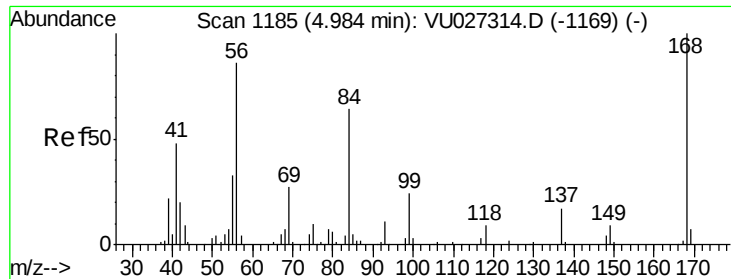
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	40037	19.865	ug/l	99
94) Hexachlorobutadiene	13.69	225	20196	19.833	ug/l	98
95) Naphthalene	13.74	128	135760	19.000	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	42354	20.171	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion:168 Resp: 133222

Ion Ratio Lower Upper

168 100

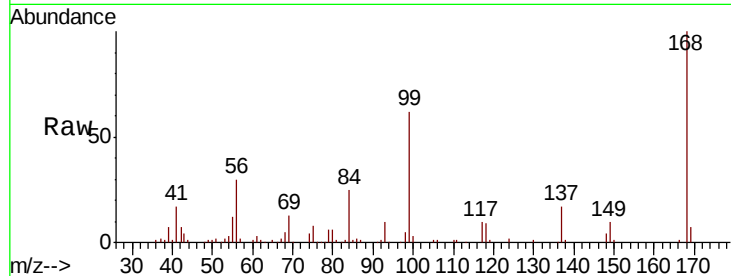
99 60.5 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.98

60000

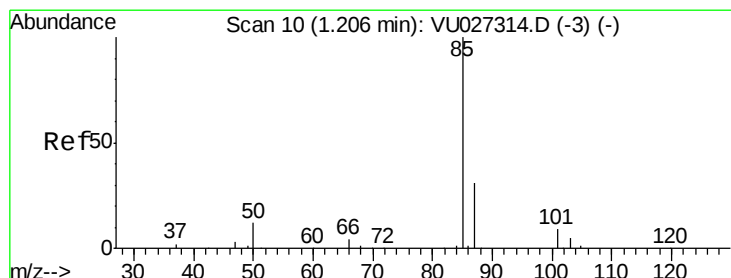
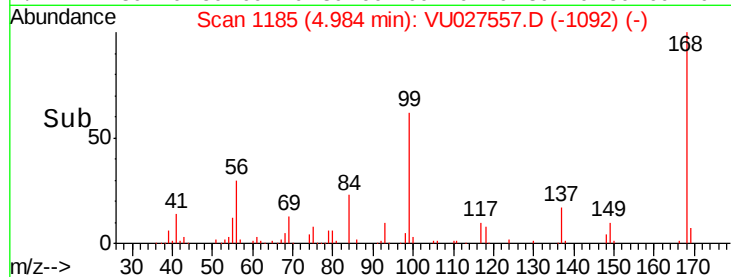
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.827 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027557.D

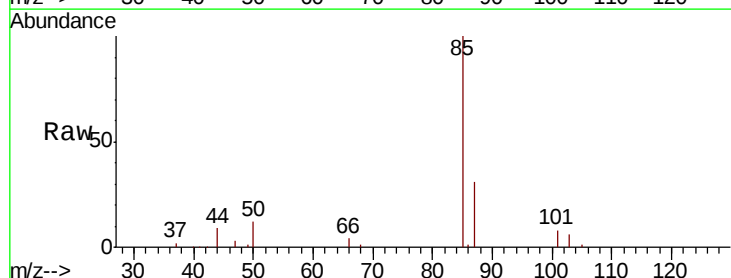
Acq: 10 Oct 2018 09:06

Tgt Ion: 85 Resp: 36161

Ion Ratio Lower Upper

85 100

87 30.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

40000

30000

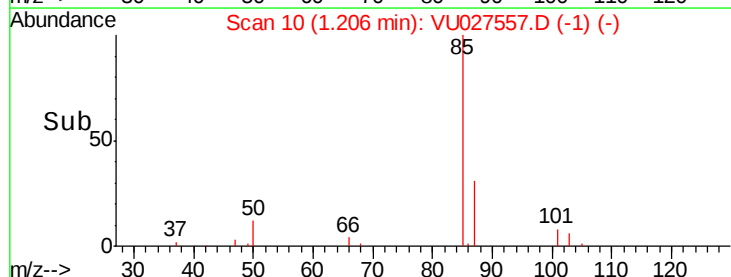
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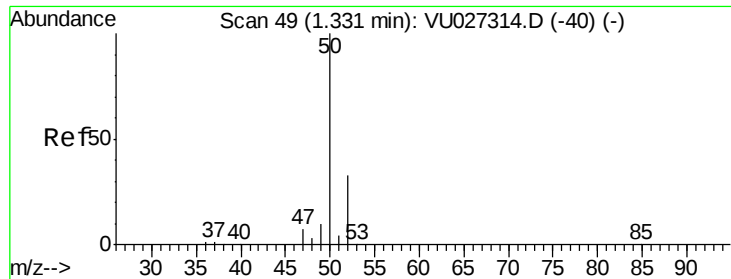
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.683 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion: 50 Resp: 45981

Ion Ratio Lower Upper

50 100

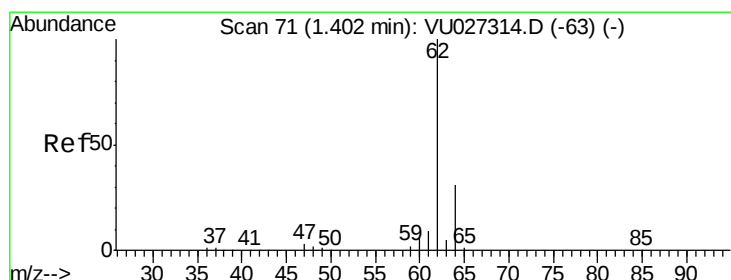
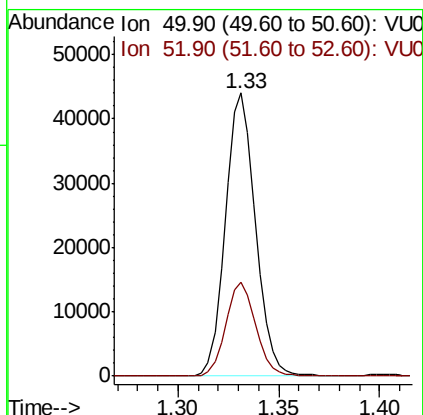
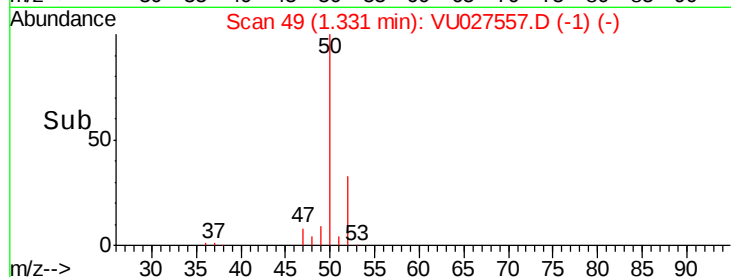
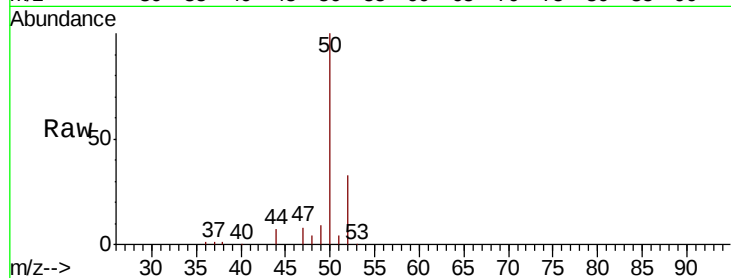
52 33.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.079 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027557.D

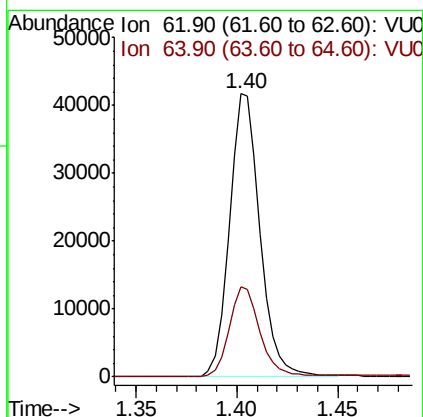
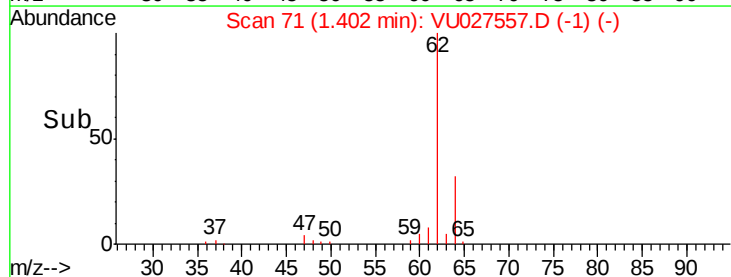
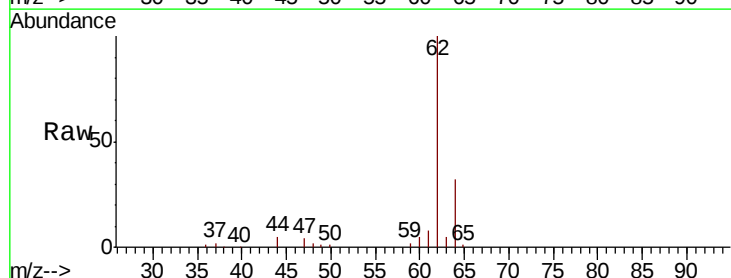
Acq: 10 Oct 2018 09:06

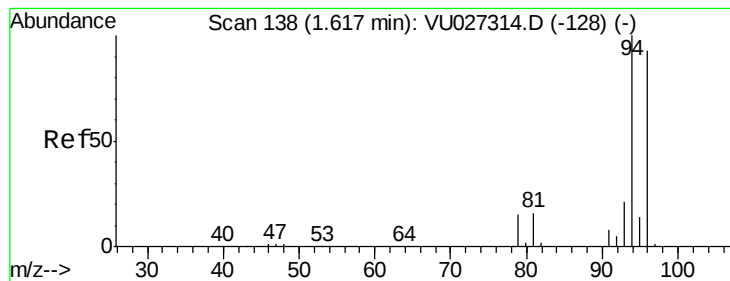
Tgt Ion: 62 Resp: 44192

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 23.769 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

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ClientSampleId :

VU1010WBS02

Tot Ion: 94 Resp: 25140

Ion Ratio Lower Upper

94 100

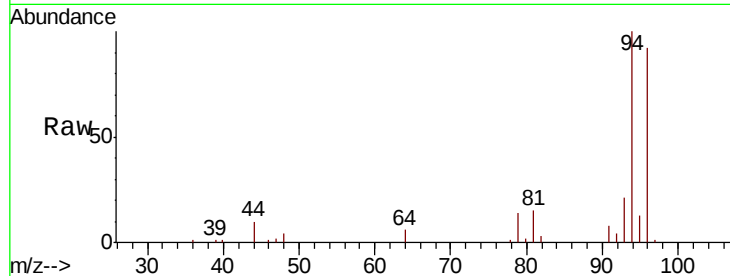
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Manual Integrations

APPROVED

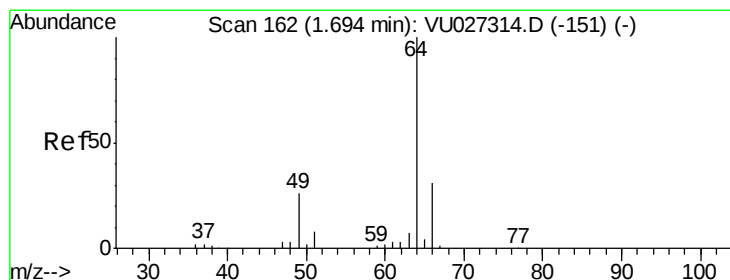
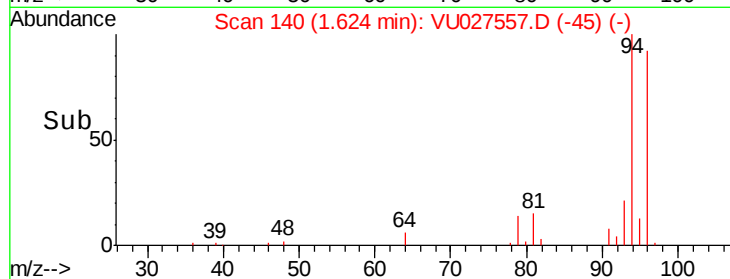
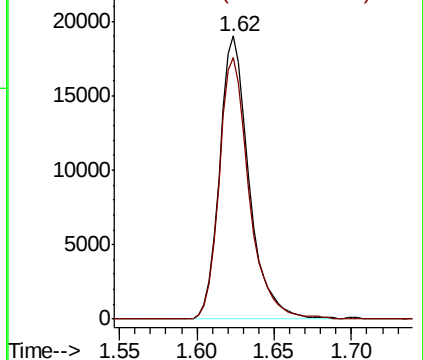
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.262 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027557.D

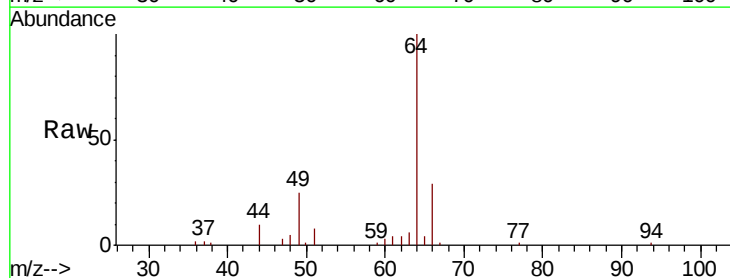
Acq: 10 Oct 2018 09:06

Tgt Ion: 64 Resp: 25355

Ion Ratio Lower Upper

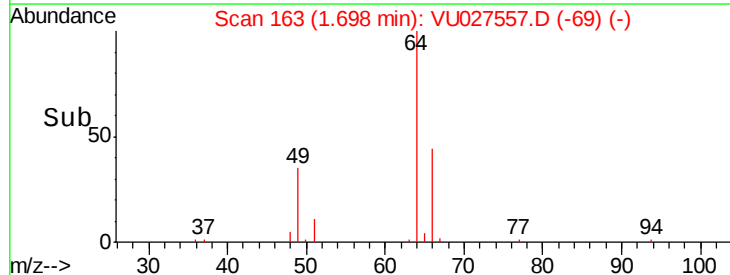
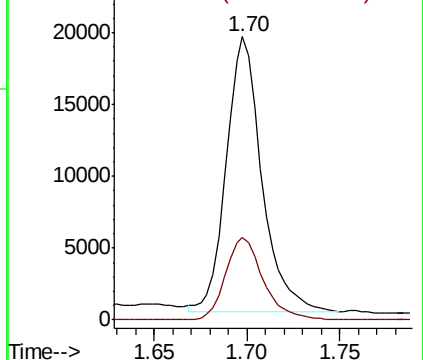
64 100

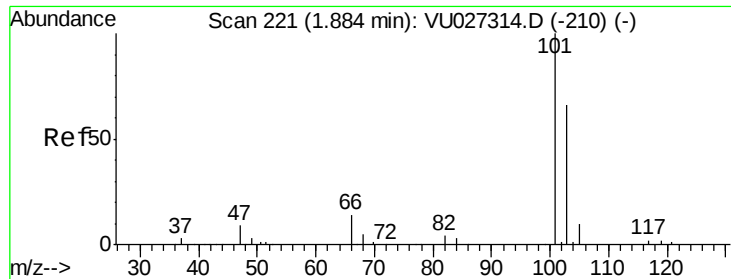
66 30.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

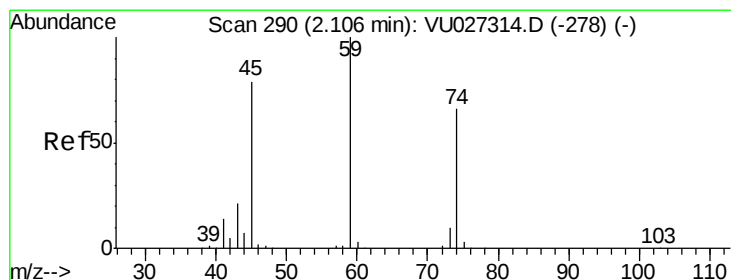
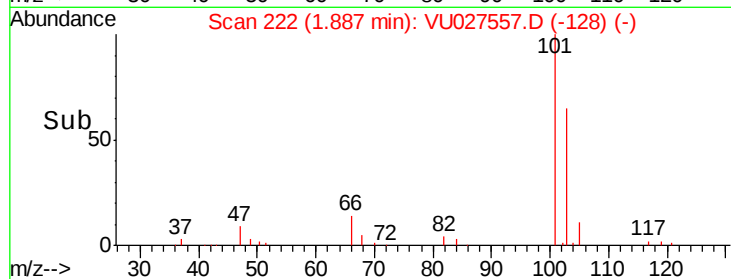
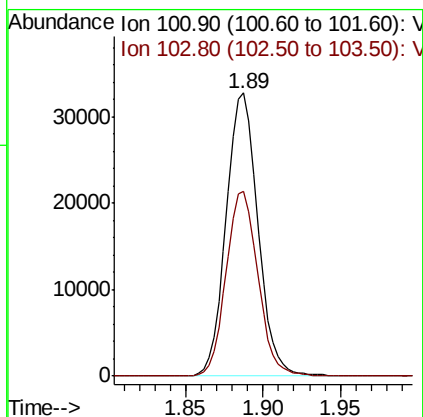
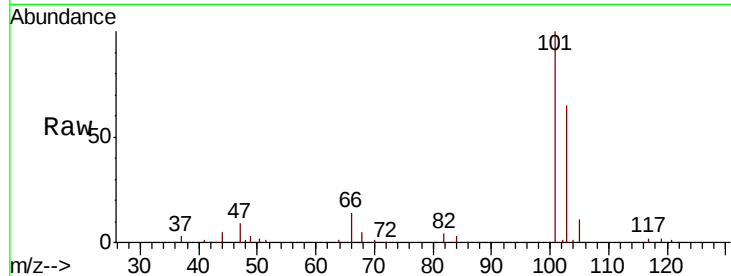
Trichlorofluoromethane
Concen: 18.755 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
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VU1010WBS02

Tot Ion:101 Resp: 46515
Ion Ratio Lower Upper
101 100
103 65.2 52.6 78.8

Manual Integrations
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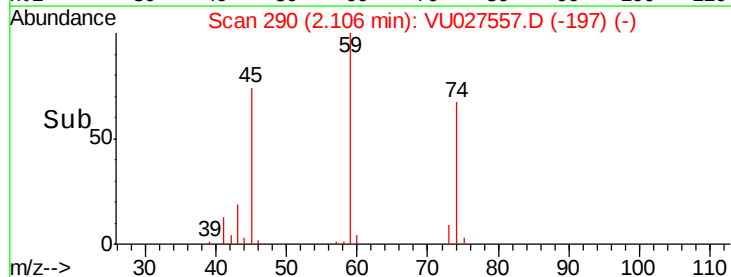
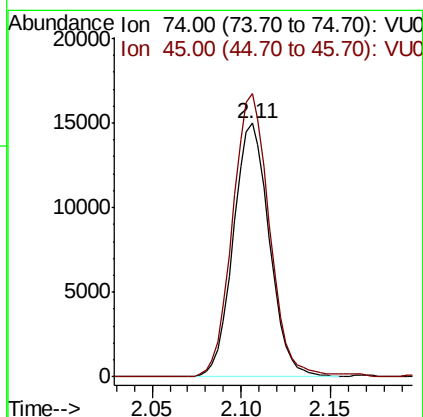
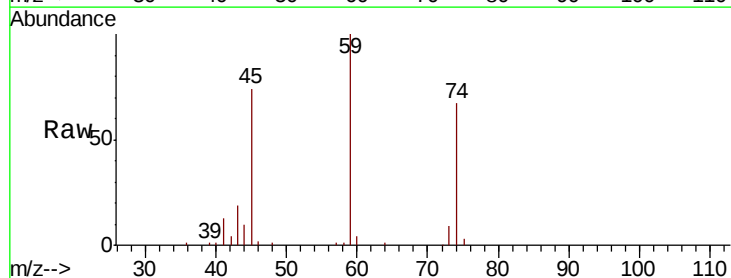
MMDadoda
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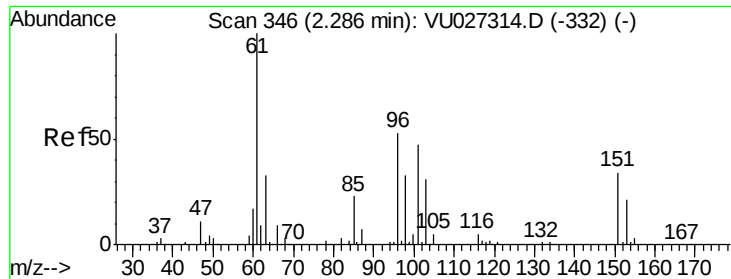


#8

Diethyl Ether
Concen: 18.460 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 74 Resp: 21090
Ion Ratio Lower Upper
74 100
45 114.2 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.941 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

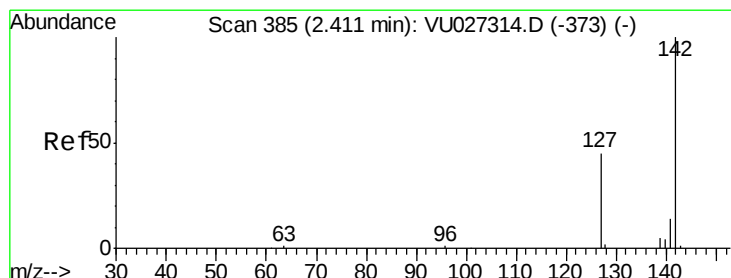
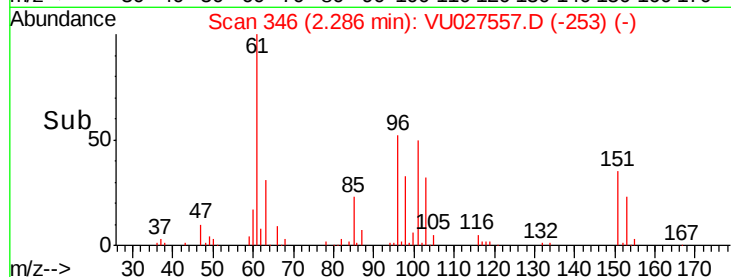
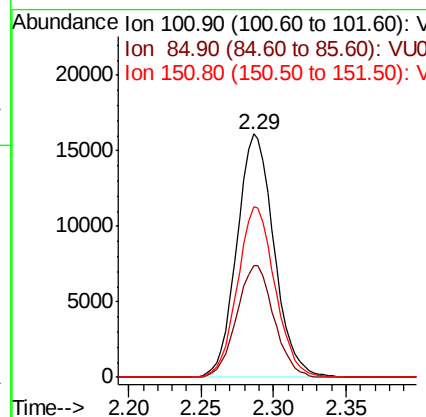
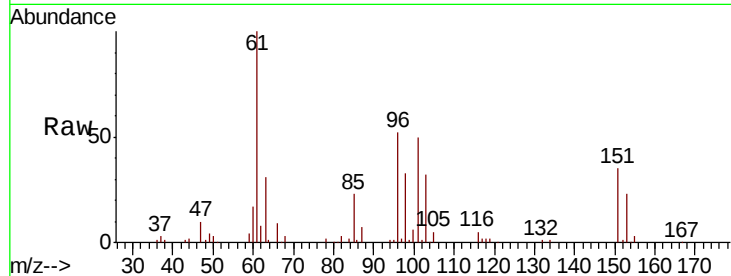
ClientSampleId :

VU1010WBS02

Tot Ion:	101	Resp:	28722
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.5	56.3
151	70.6	55.6	83.4

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#10

Methyl Iodide

Concen: 25.488 ug/l

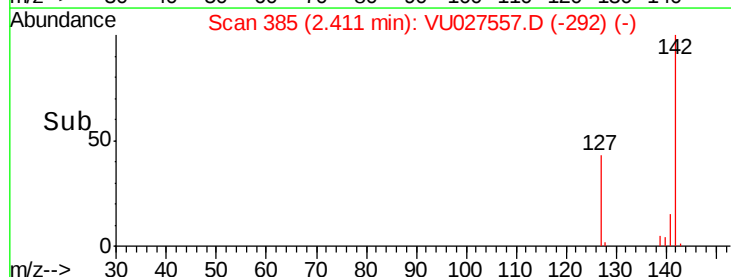
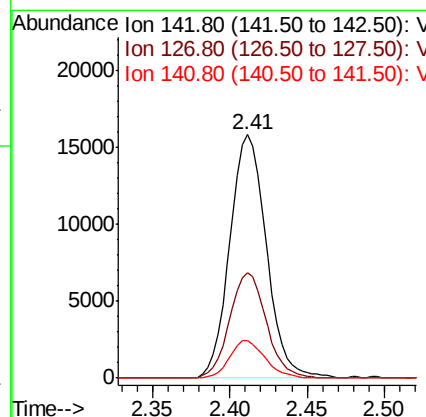
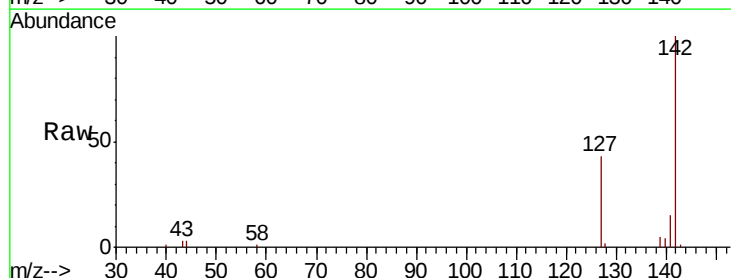
RT: 2.41 min Scan# 385

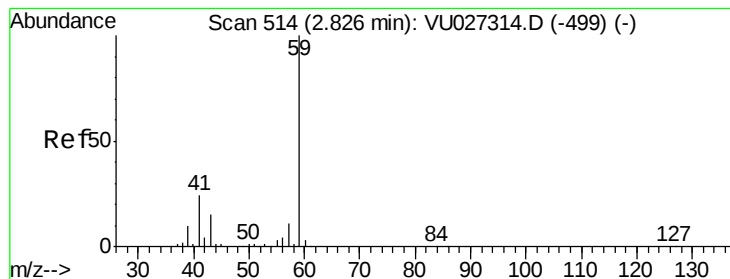
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	142	Resp:	25950
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.3	54.5
141	14.9	11.6	17.4





#11

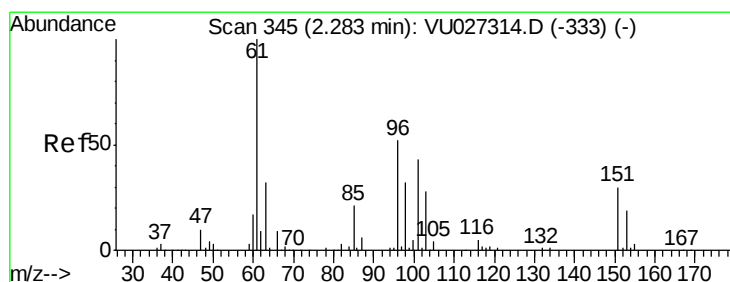
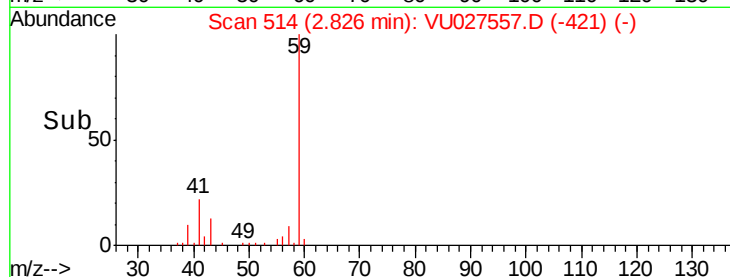
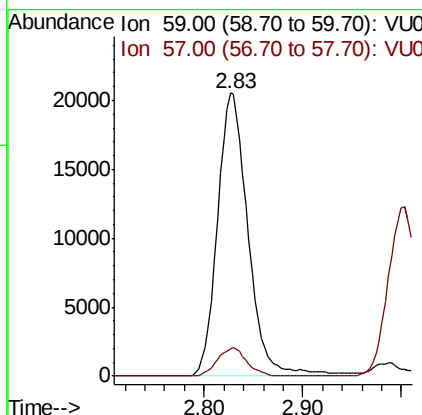
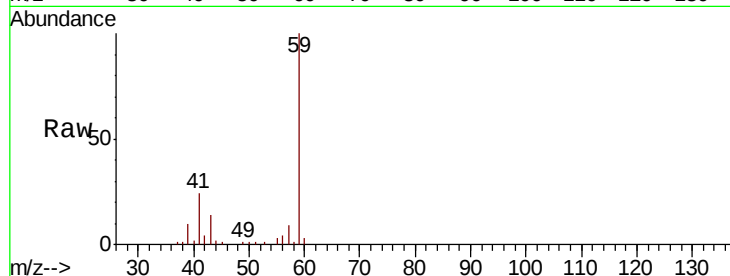
Tert butyl alcohol
 Concen: 95.182 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.4	12.6

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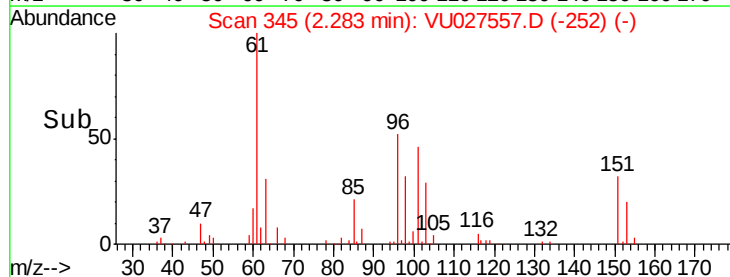
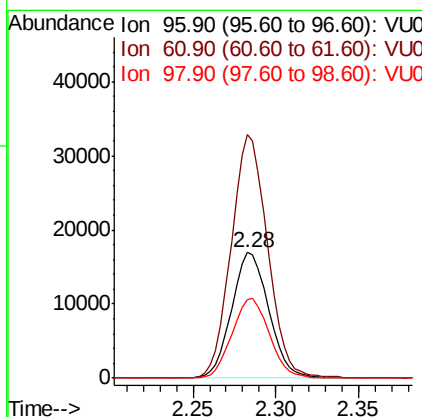
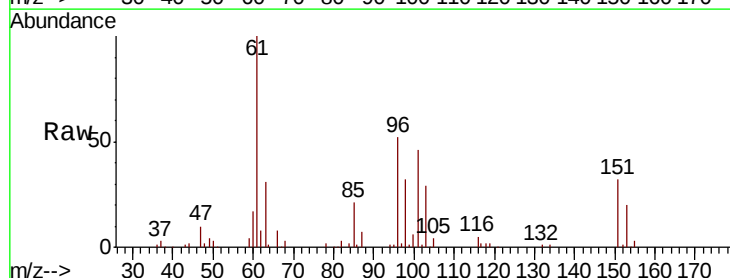
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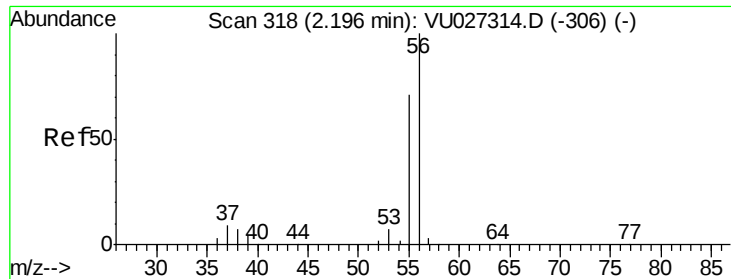


#12

1,1-Dichloroethene
 Concen: 18.777 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.1	153.0	229.6
98	62.8	49.3	73.9





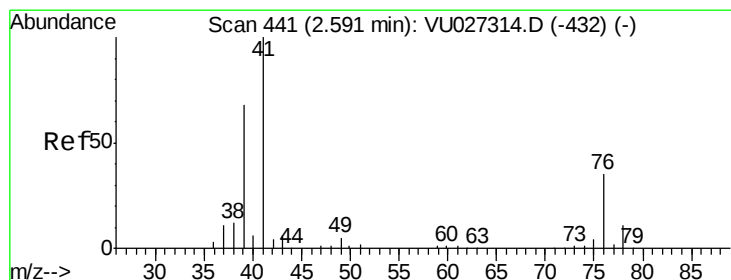
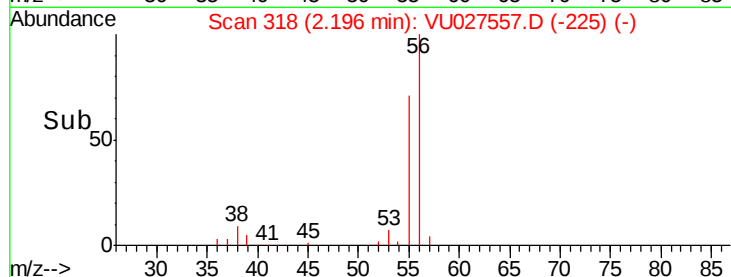
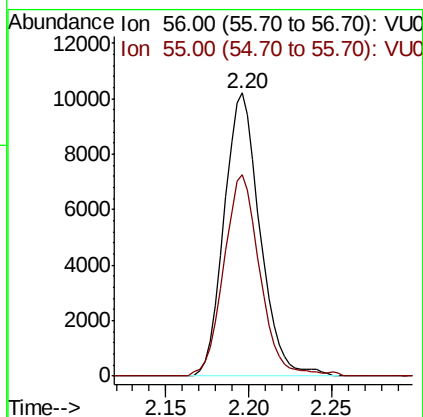
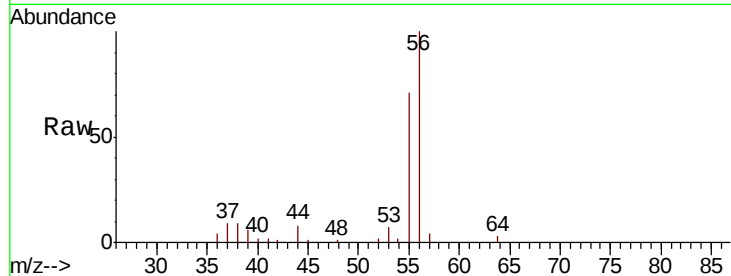
#13
Acrolein
Concen: 39.045 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 56 Resp: 15348
Ion Ratio Lower Upper
56 100
55 71.9 57.7 86.5

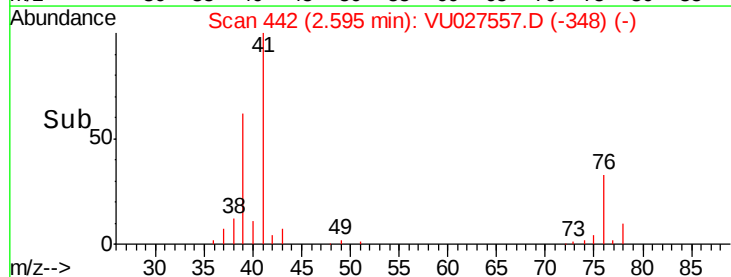
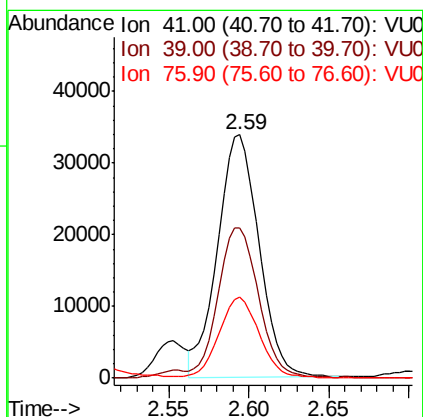
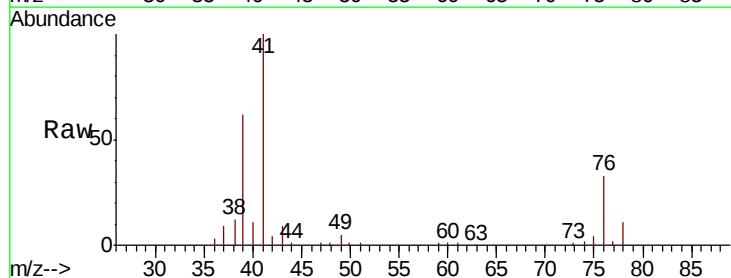
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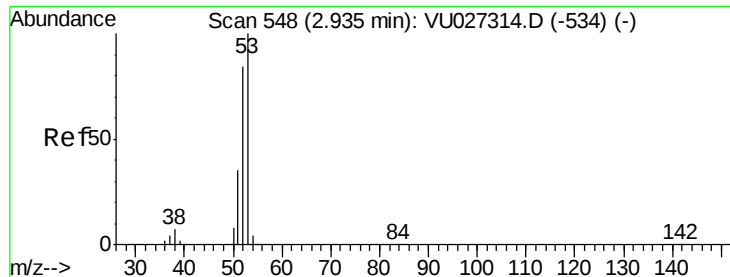
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#14
Allyl chloride
Concen: 17.990 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 41 Resp: 60116
Ion Ratio Lower Upper
41 100
39 60.4 51.8 77.8
76 32.8 25.9 38.9





#15

Acrylonitrile

Concen: 94.075 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

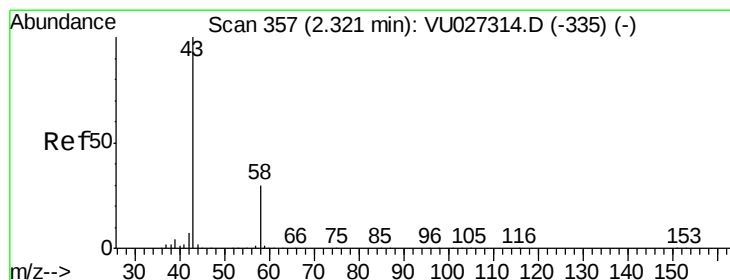
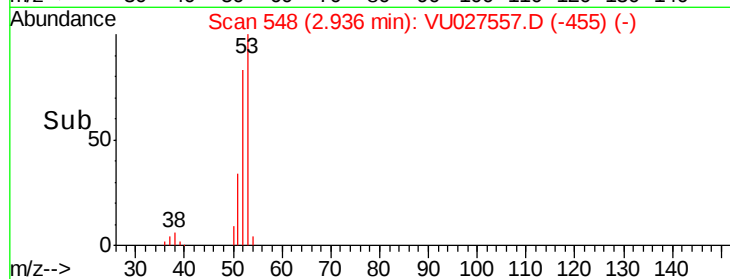
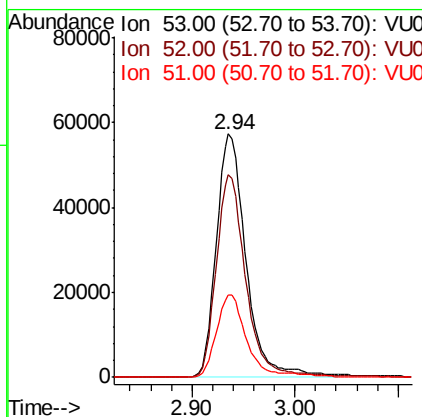
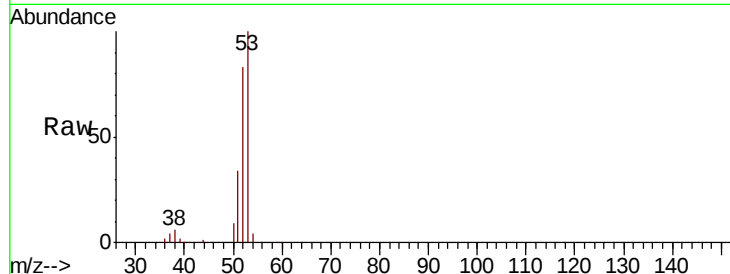
ClientSampleId :

VU1010WBS02

Tot Ion:	53	Resp:	114703
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 86.699 ug/l

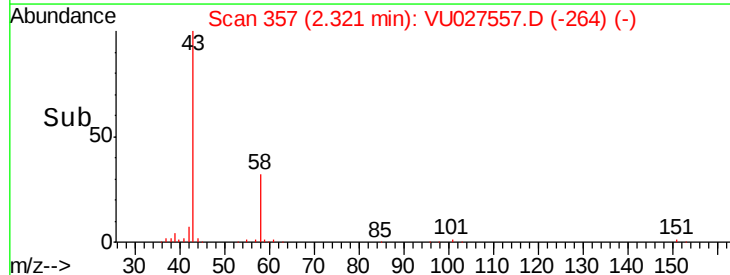
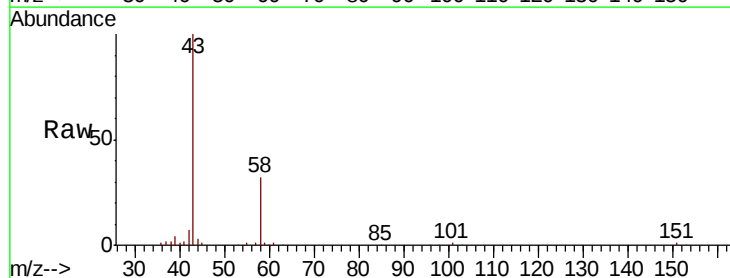
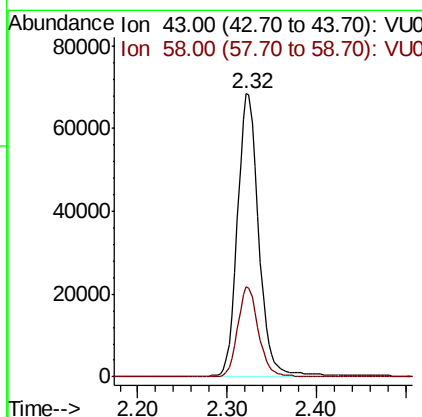
RT: 2.32 min Scan# 357

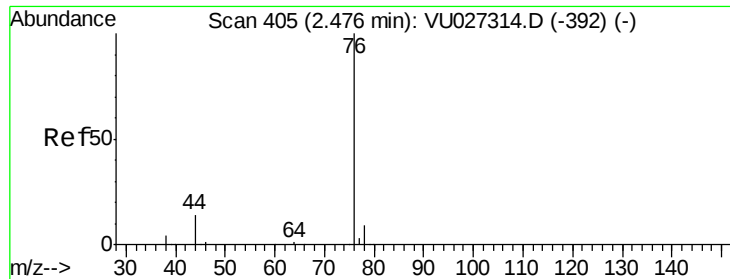
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	43	Resp:	113939
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.4





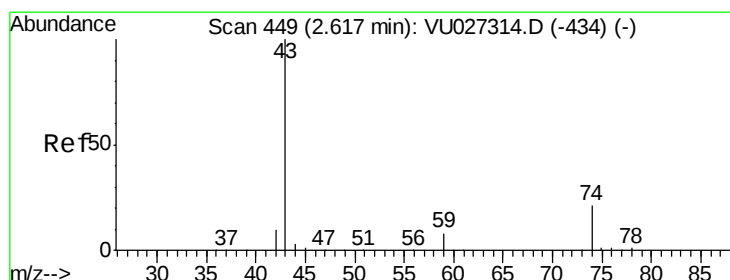
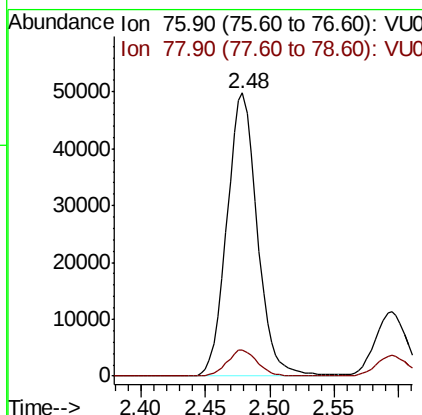
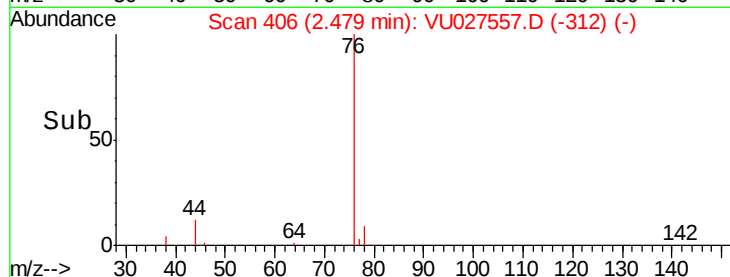
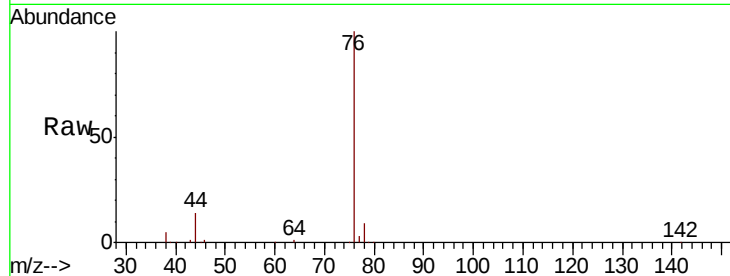
#17
Carbon Disulfide
Concen: 16.052 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 76 Resp: 81471
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

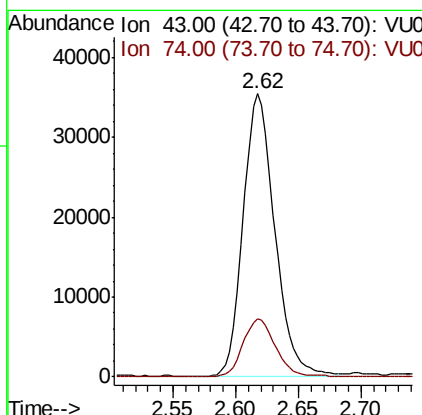
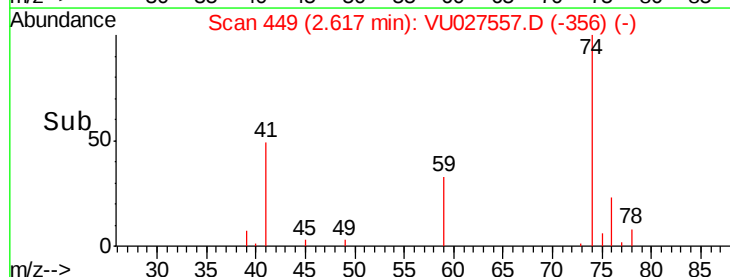
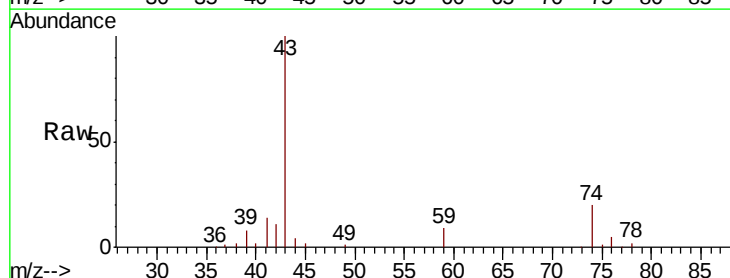
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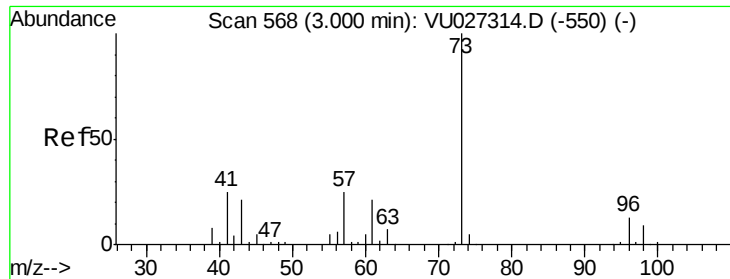
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#18
Methyl Acetate
Concen: 20.941 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 43 Resp: 62781
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7





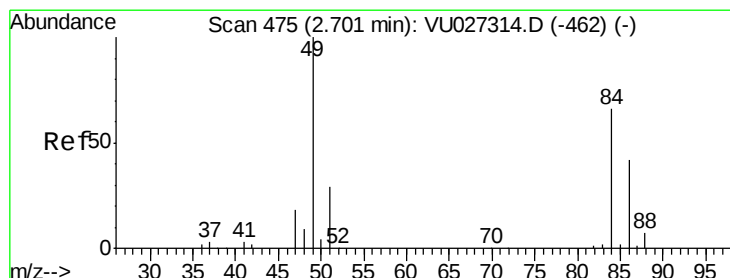
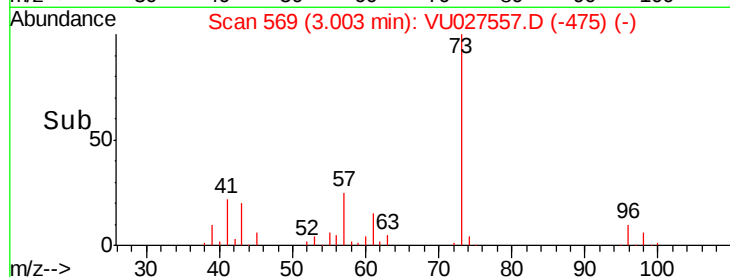
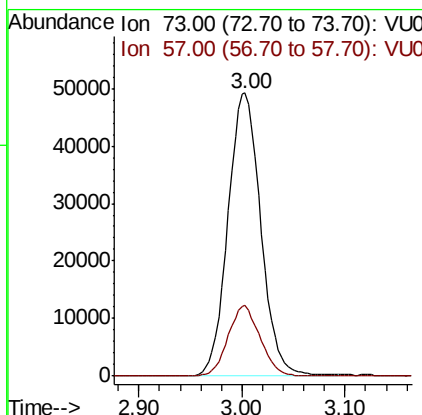
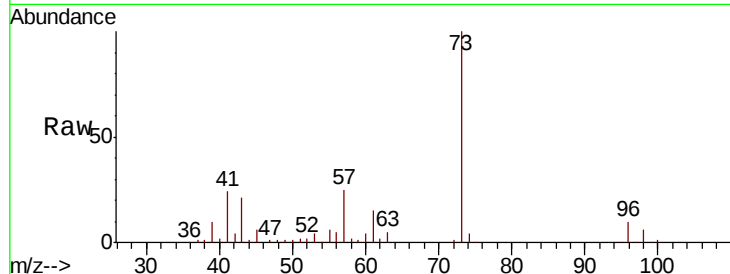
#19
Methvl tert-butvl Ether
Concen: 19.376 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 73 Resp: 109253
Ion Ratio Lower Upper
73 100
57 24.9 20.0 30.0

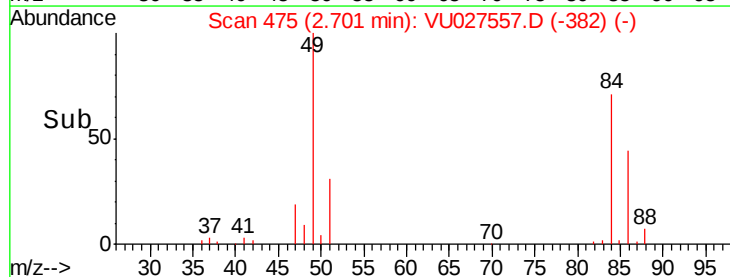
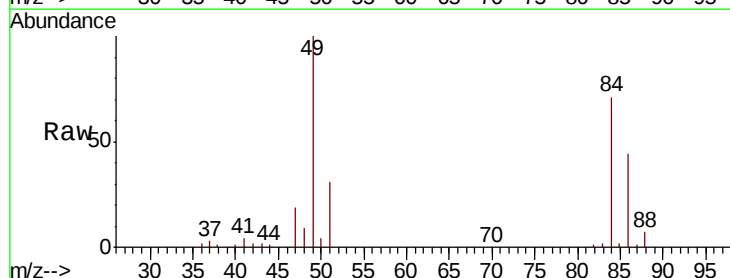
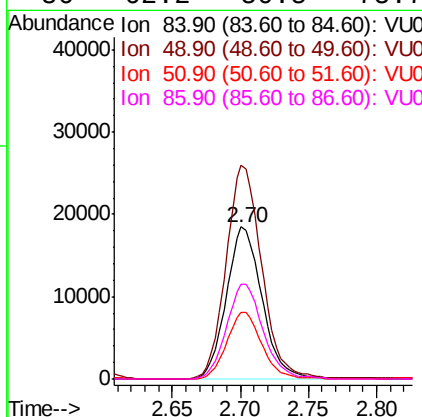
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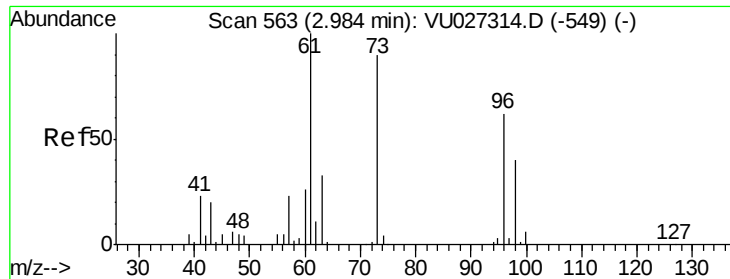
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#20
Methylene Chloride
Concen: 18.396 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 84 Resp: 33675
Ion Ratio Lower Upper
84 100
49 140.5 120.5 180.7
51 43.9 35.1 52.7
86 62.2 50.5 75.7





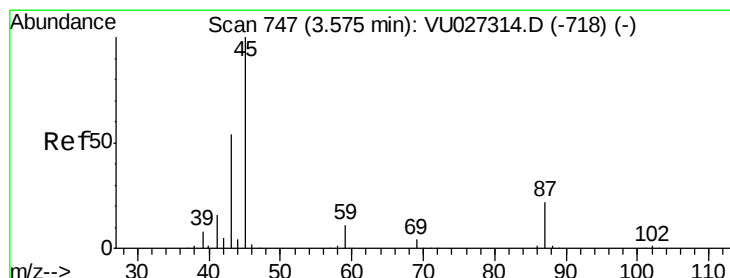
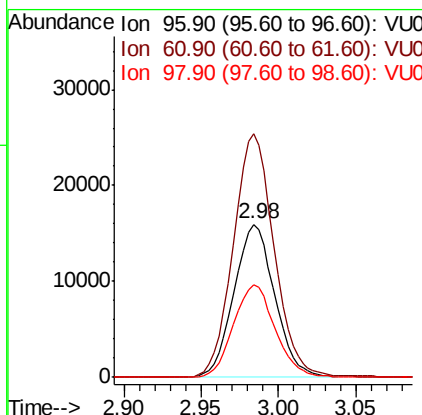
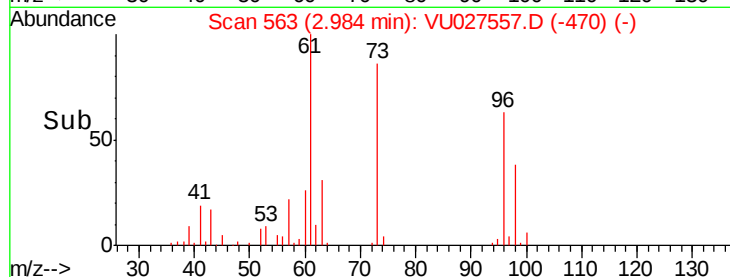
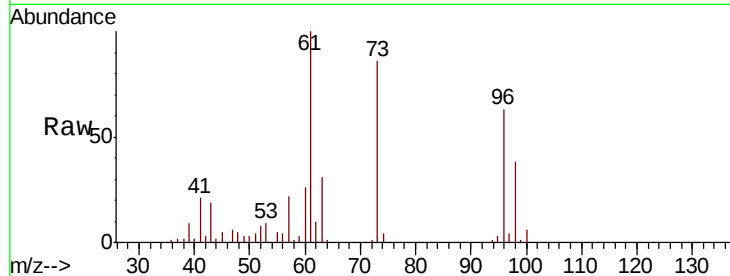
#21
trans-1,2-Dichloroethene
Concen: 18.494 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.1	129.4	194.2
98	60.2	51.2	76.8

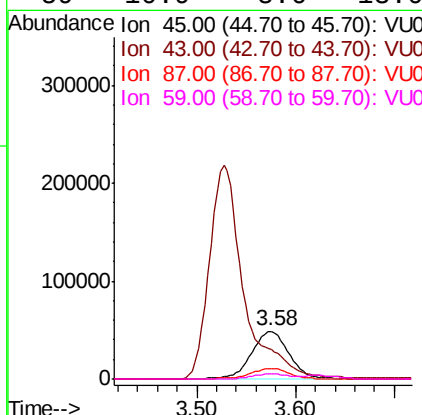
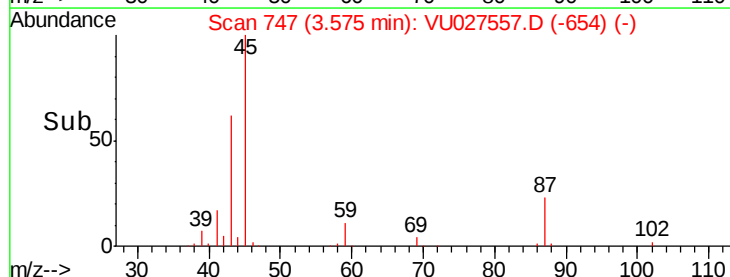
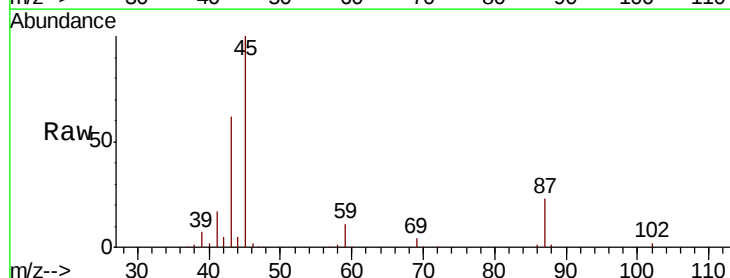
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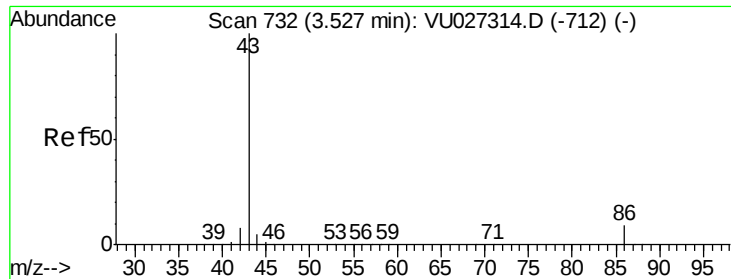
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#22
Diisopropyl ether
Concen: 18.769 ug/l
RT: 3.58 min Scan# 747
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	43.4	65.2
87	22.9	17.5	26.3
59	10.9	8.6	13.0





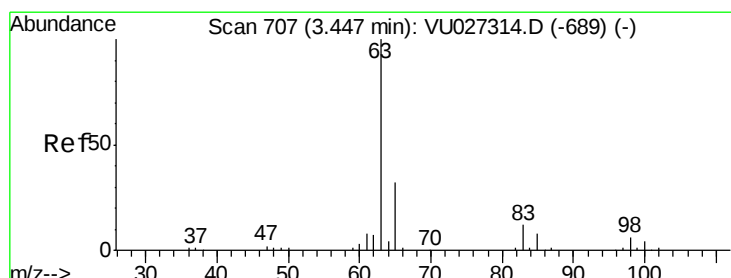
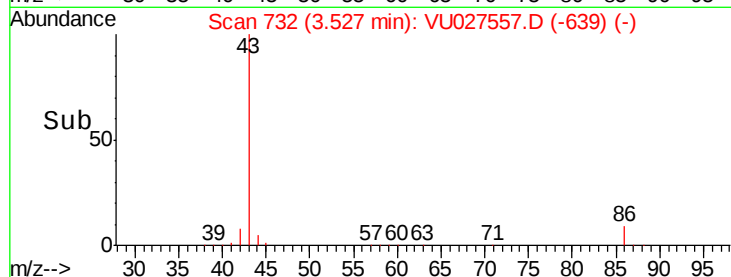
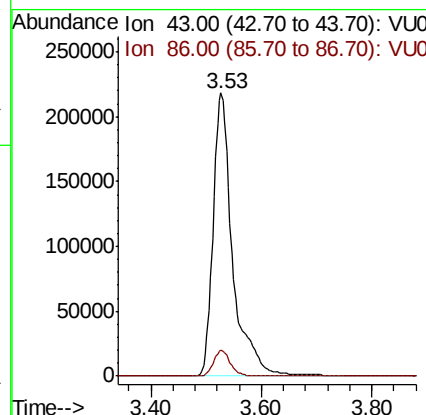
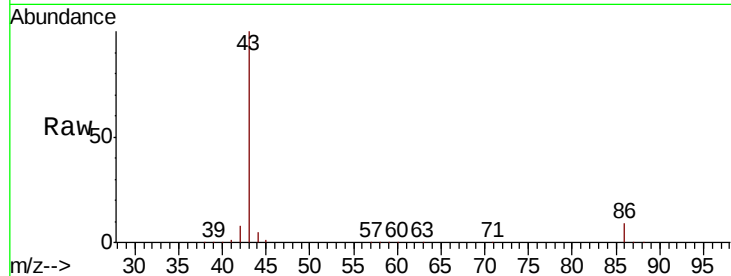
#23
 Vinyl Acetate
 Concen: 90.753 ug/l
 RT: 3.53 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	43	Resp	538303
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.0	10.4

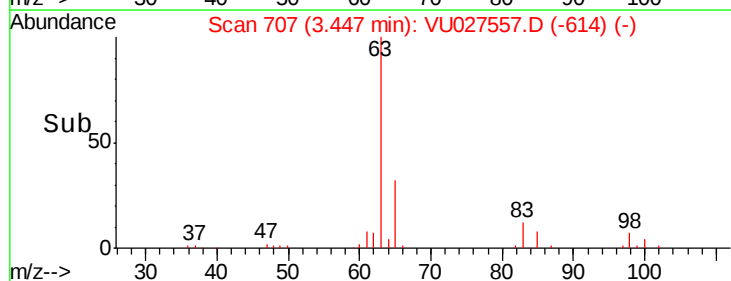
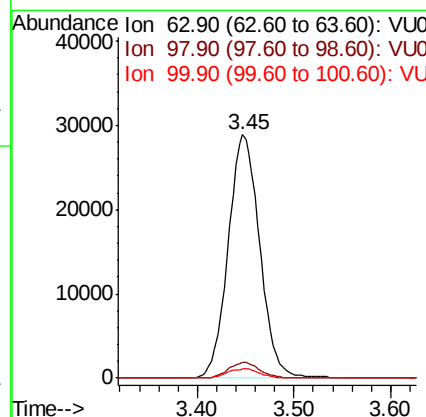
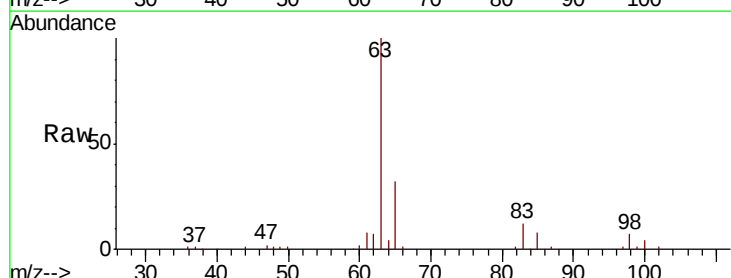
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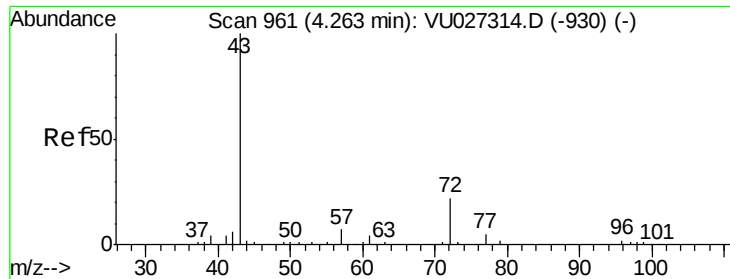
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 10/11/2018 9:01:59 AM



#24
 1,1-Dichloroethane
 Concen: 18.721 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	63	Resp	65368
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	3.0	9.2
100	3.6	1.8	5.5





#25

2-Butanone

Concen: 92.825 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion: 43 Resp: 166352

Ion Ratio Lower Upper

43 100

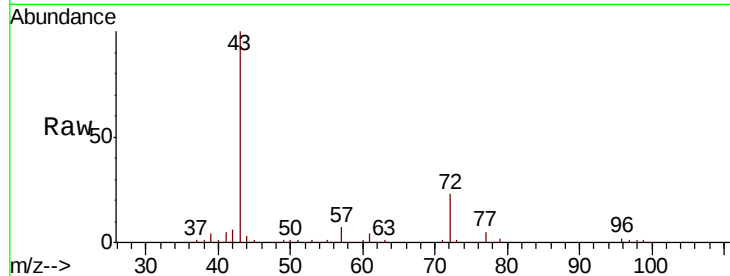
72 22.7 17.8 26.6

Manual Integrations

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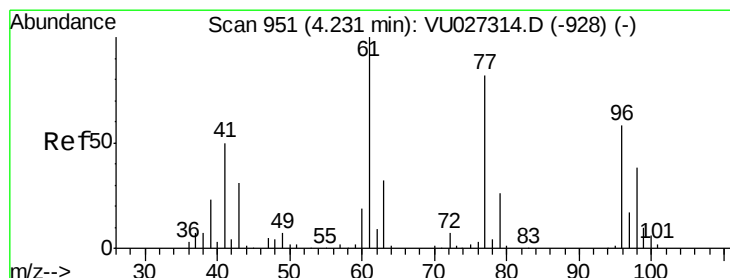
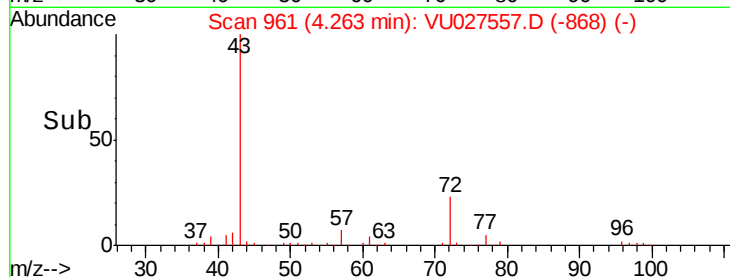
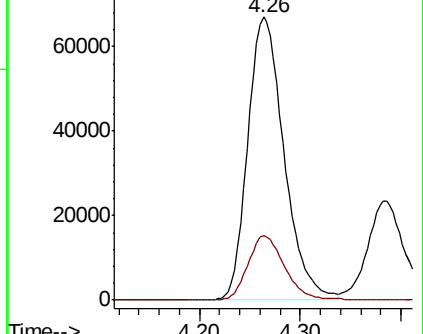
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.456 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027557.D

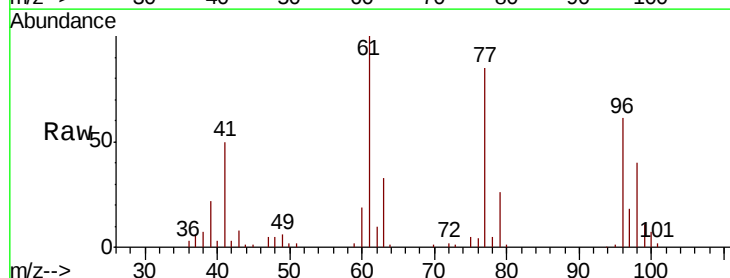
Acq: 10 Oct 2018 09:06

Tgt Ion: 77 Resp: 52950

Ion Ratio Lower Upper

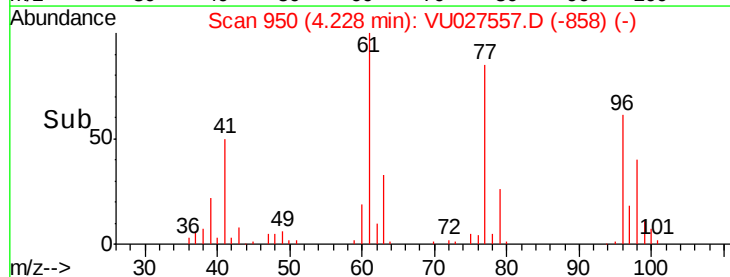
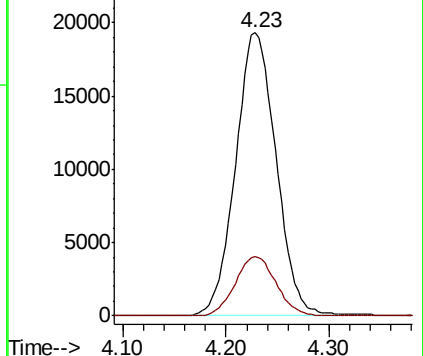
77 100

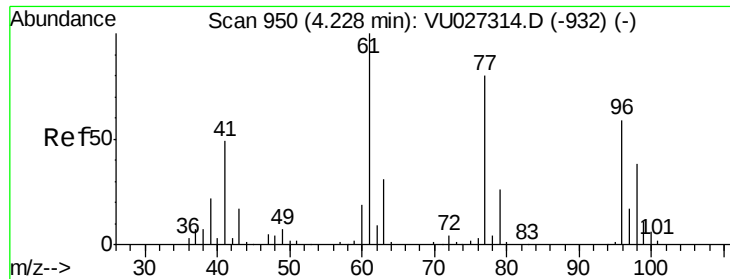
97 21.0 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





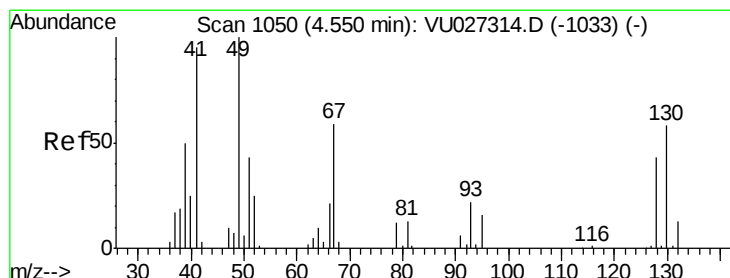
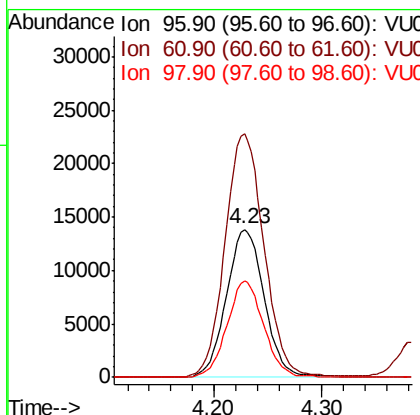
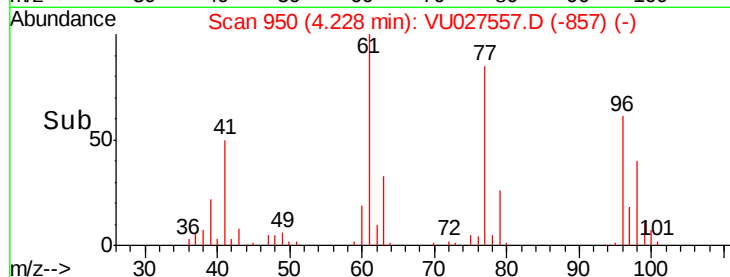
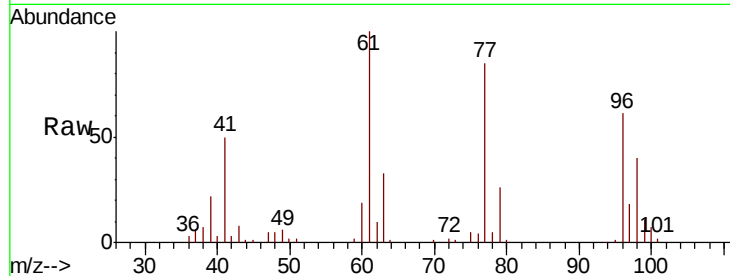
#27
 cis-1,2-Dichloroethene
 Concen: 18.702 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	169.5	0.0	343.8	
98	63.1	0.0	129.0	

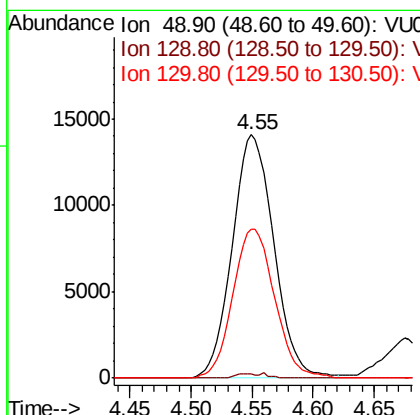
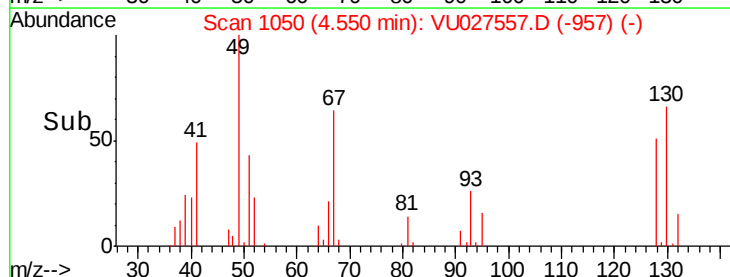
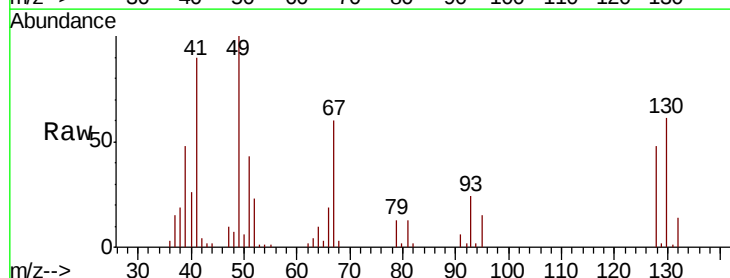
Manual Integrations
 APPROVED

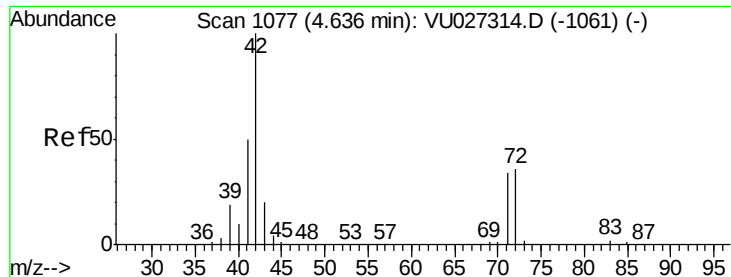
MMDadoda
 10/11/2018 9:01:59 AM



#28
 Bromochloromethane
 Concen: 19.838 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	3.0	
130	61.2	46.1	69.1	





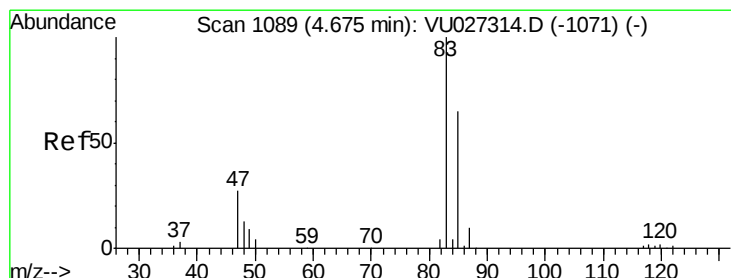
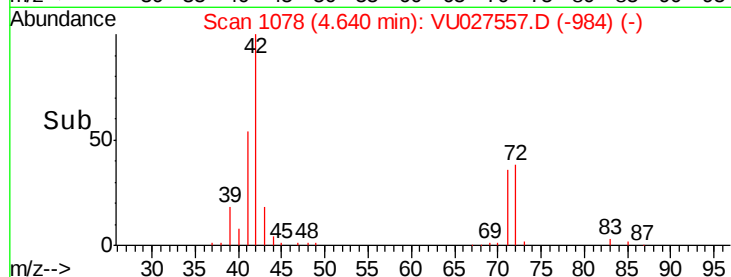
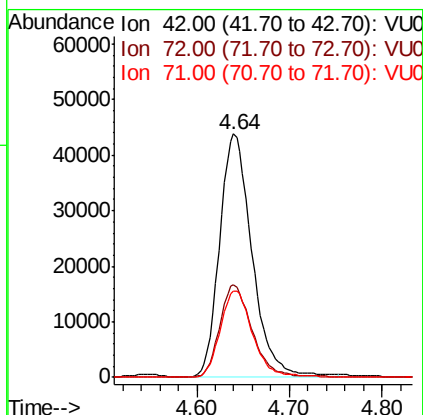
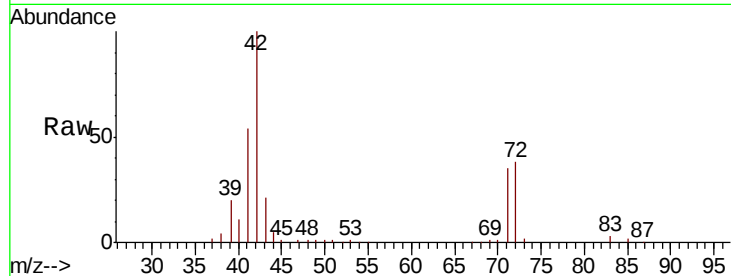
#29
Tetrahydrofuran
Concen: 94.521 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.1	45.1
71	35.4	27.7	41.5

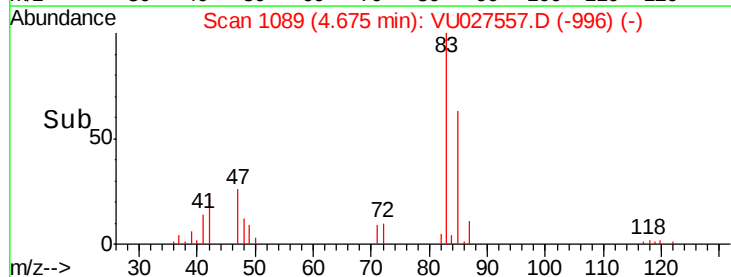
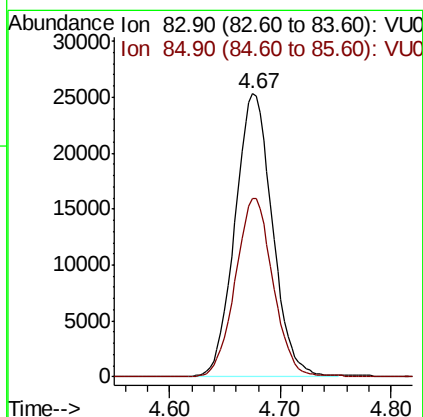
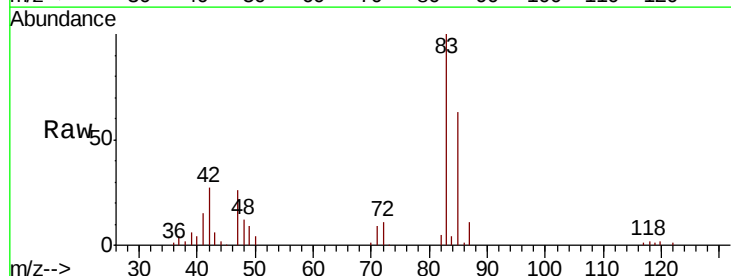
Manual Integrations
APPROVED

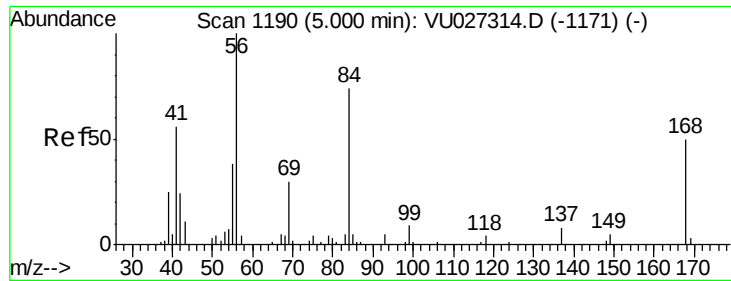
MMDadoda
10/11/2018 9:01:59 AM



#30
Chloroform
Concen: 19.193 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





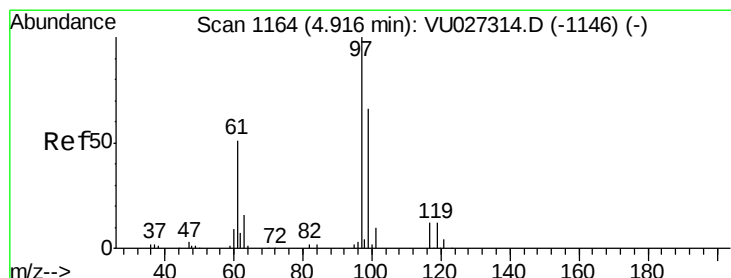
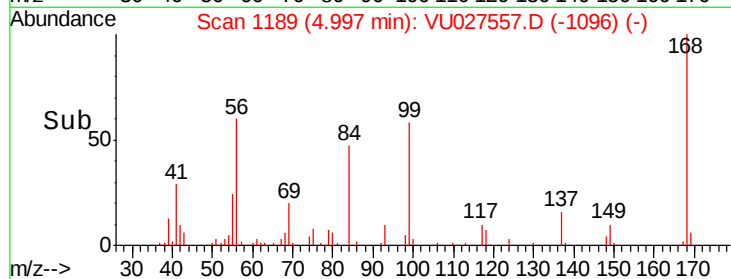
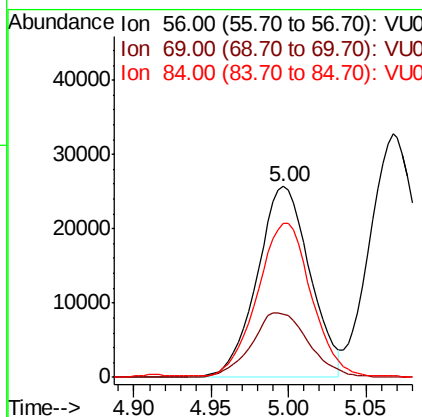
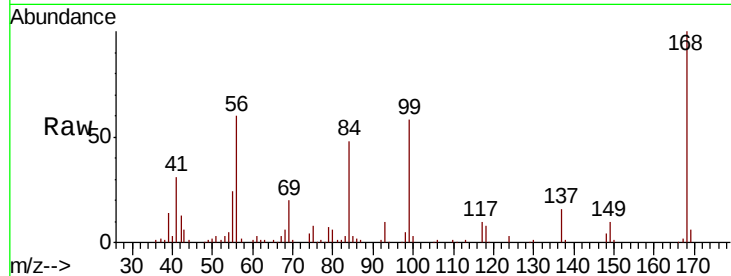
#31
Cyclohexane
Concen: 16.929 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	24.1	36.1
84	79.9	59.1	88.7

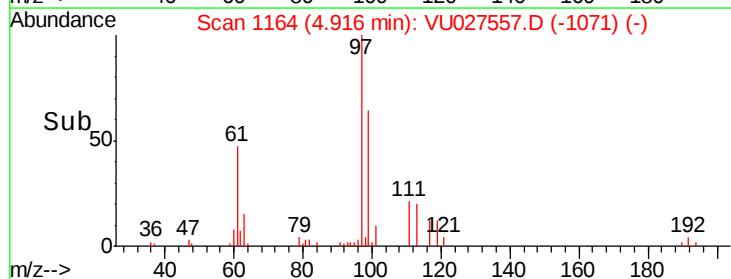
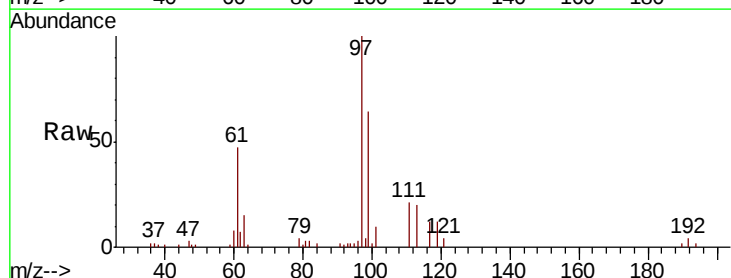
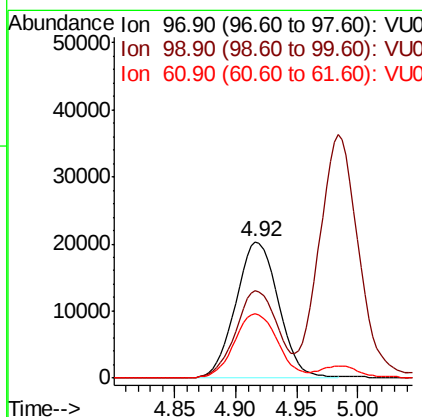
Manual Integrations
APPROVED

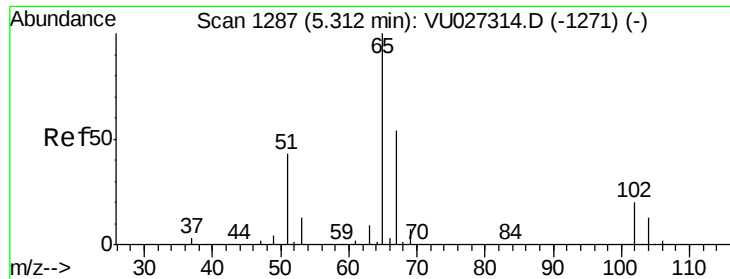
MMDadoda
10/11/2018 9:01:59 AM



#32
1,1,1-Trichloroethane
Concen: 18.890 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	47.8	39.6	59.4





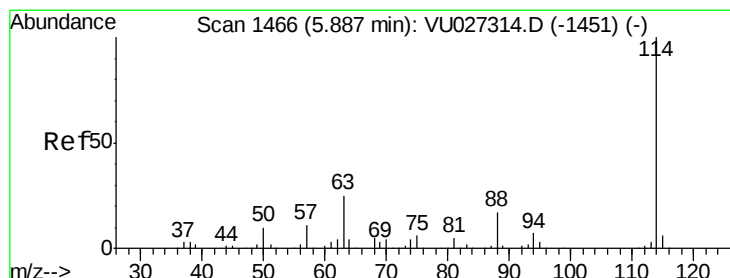
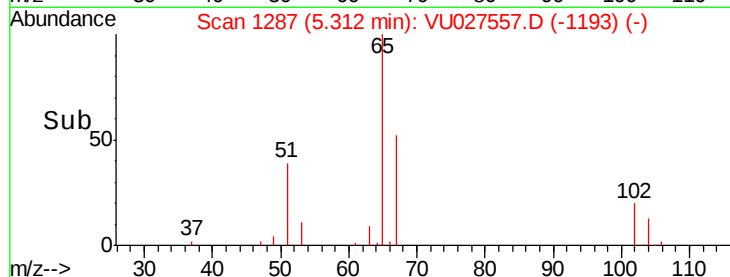
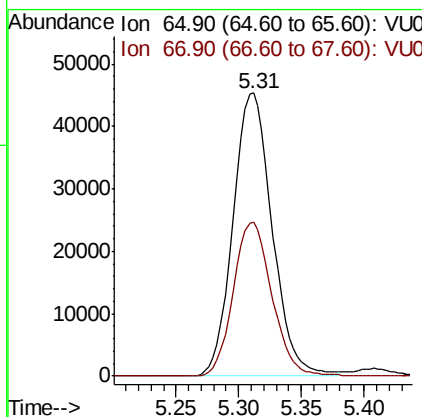
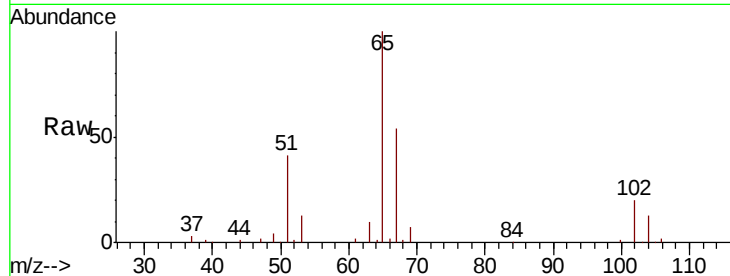
#33
 1,2-Dichloroethane-d4
 Concen: 44.236 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.8

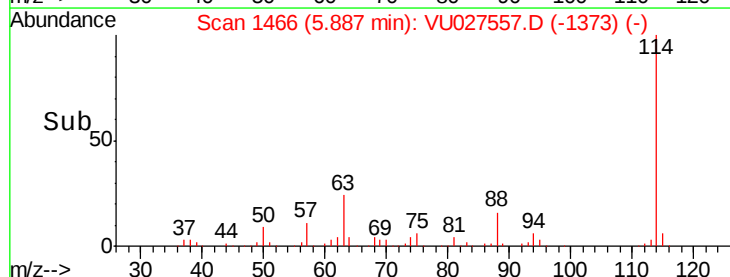
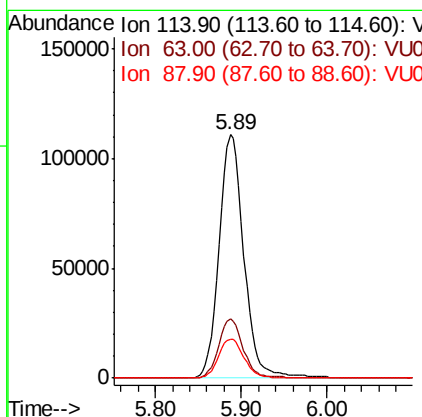
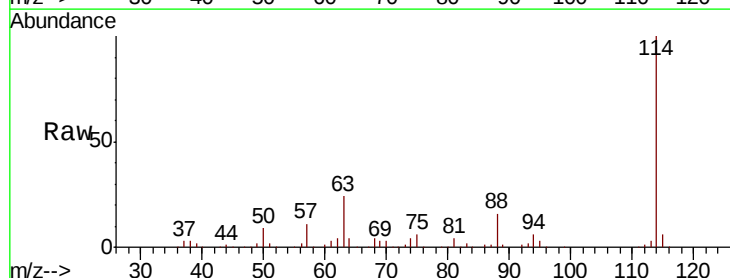
Manual Integrations
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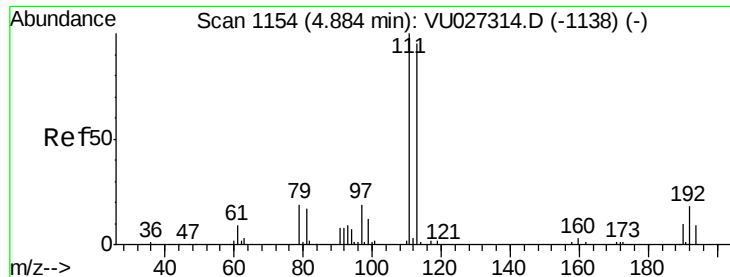
MMDadoda
 10/11/2018 9:01:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	50.2
88	16.1	0.0	33.8





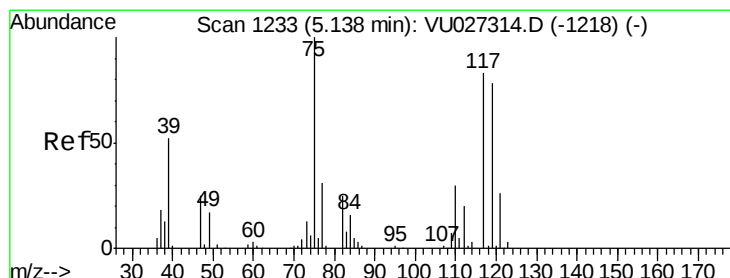
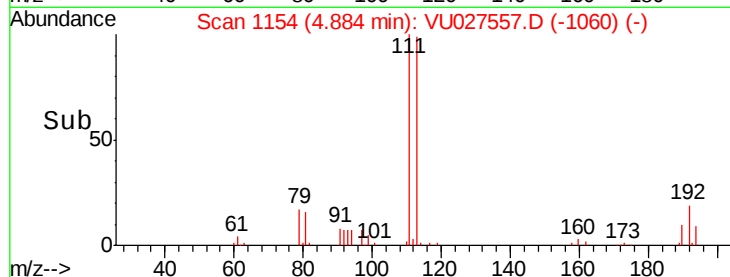
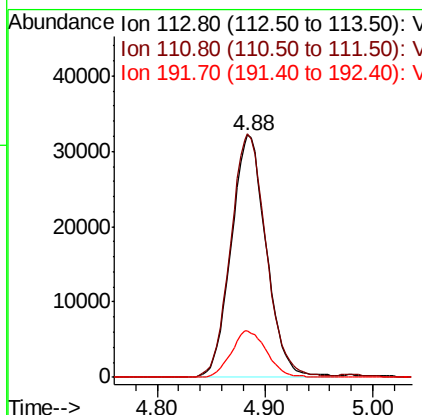
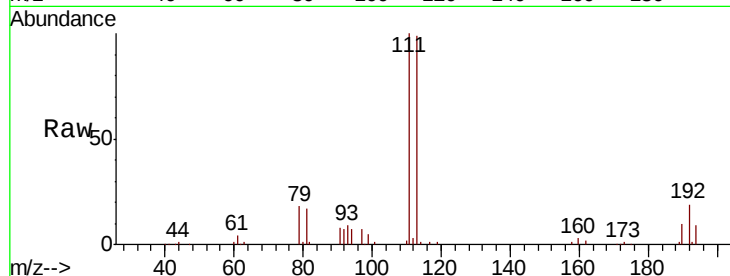
#35
Dibromofluoromethane
Concen: 47.577 ug/l
RT: 4.88 min Scan# 1154
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	19.3	15.4	23.0

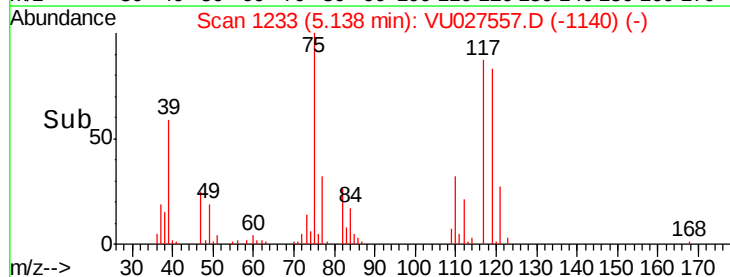
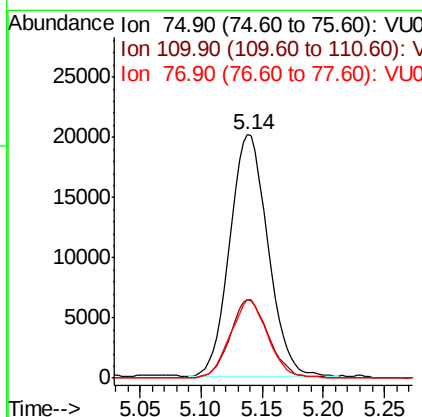
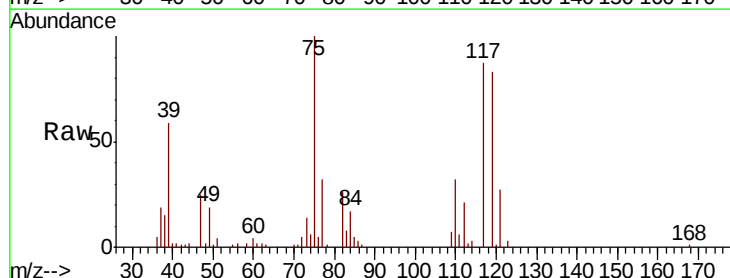
Manual Integrations
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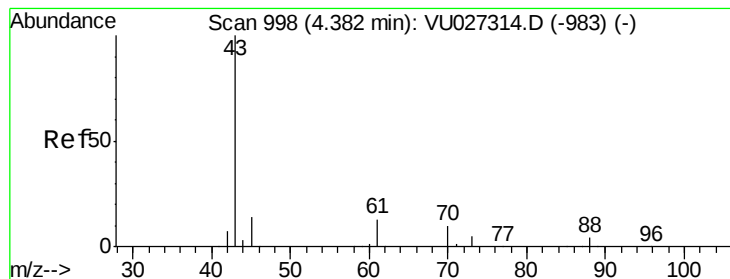
MMDadoda
10/11/2018 9:01:59 AM



#36
1,1-Dichloropropene
Concen: 18.039 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	15.5	46.5
77	31.7	25.4	38.0





#37

Ethyl Acetate

Concen: 18.578 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

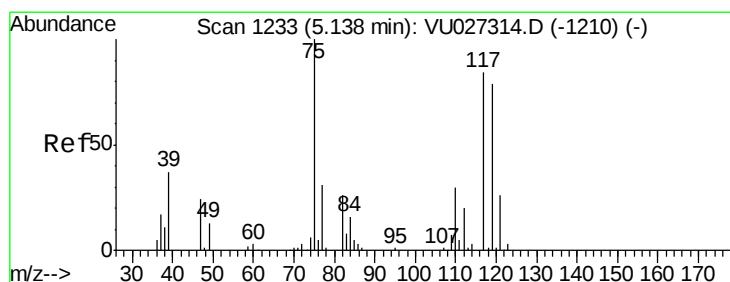
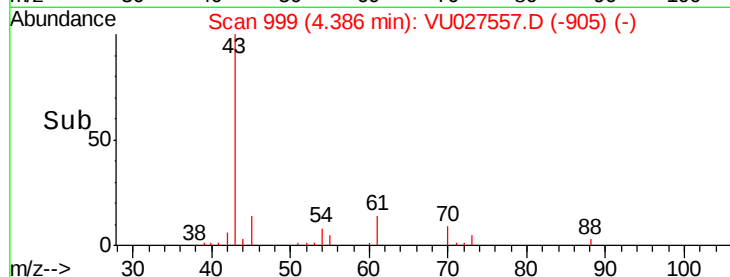
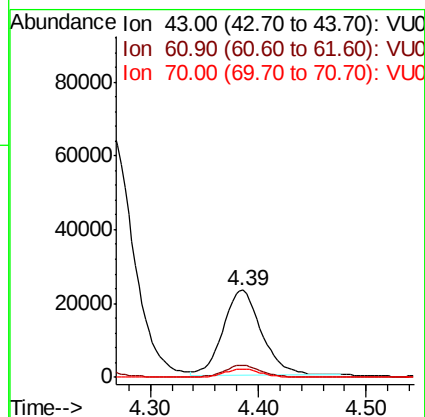
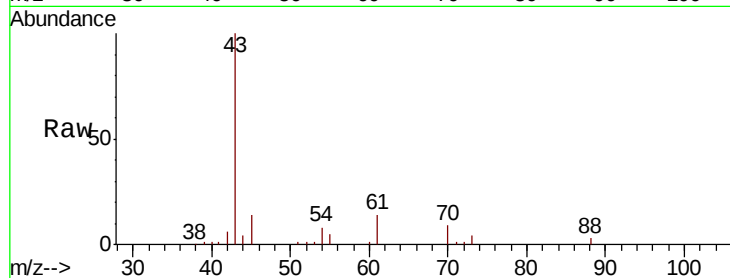
ClientSampleId :

VU1010WBS02

Tot Ion:	43	Resp:	58138
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	9.1	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.963 ug/l

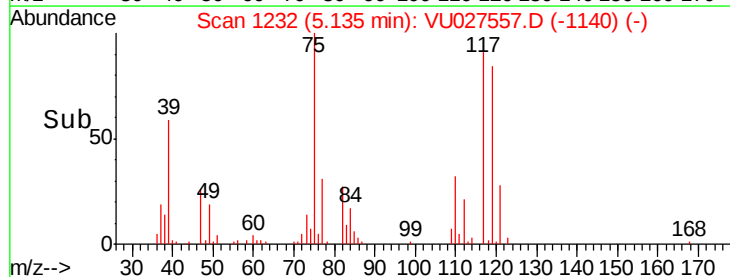
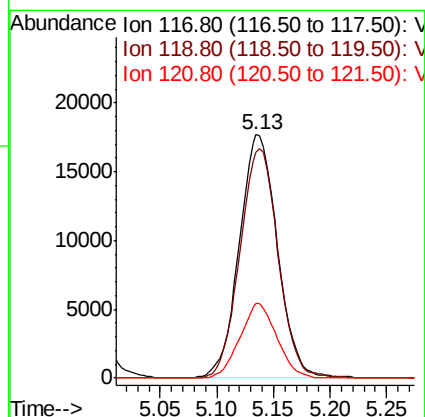
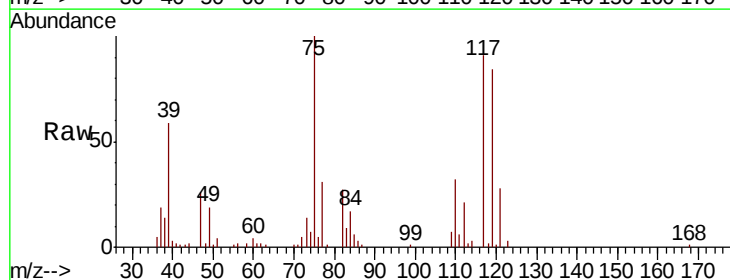
RT: 5.13 min Scan# 1232

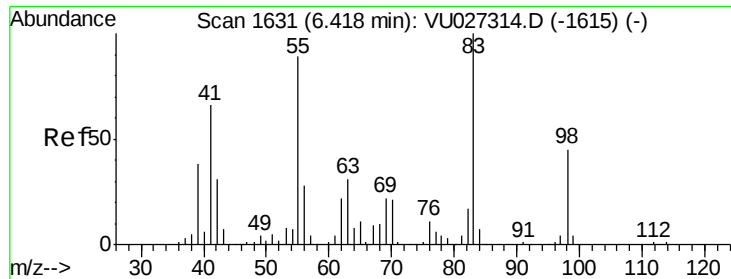
Delta R.T. -0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	117	Resp:	41477
Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.5	111.7
121	30.9	24.6	37.0





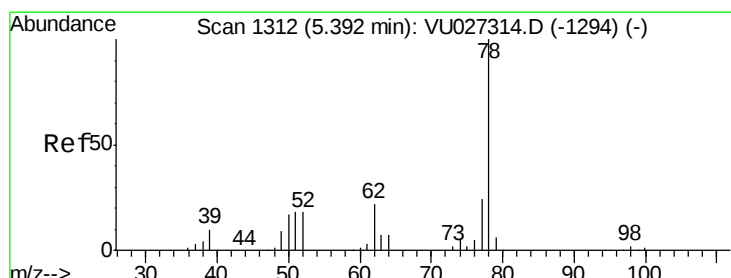
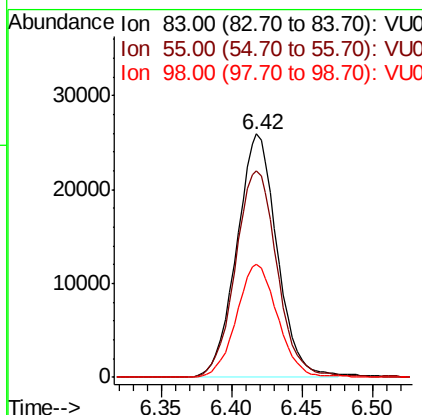
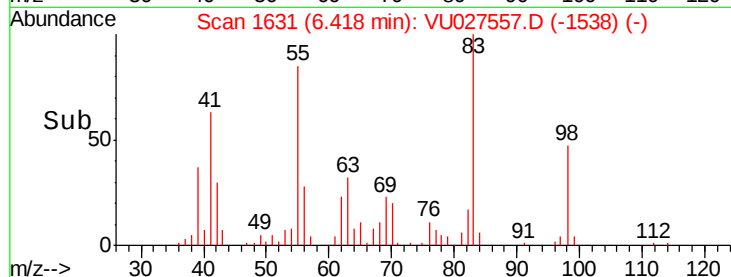
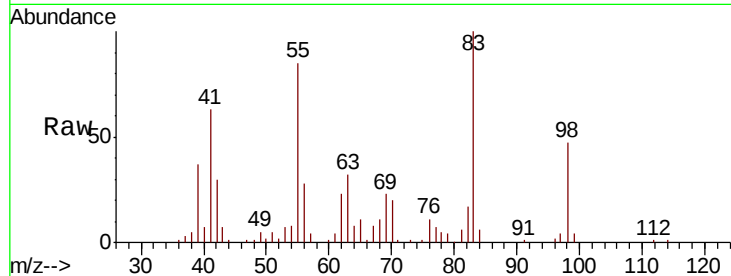
#39
Methylvlcyclohexane
Concen: 18.348 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	71.1	106.7
98	46.6	36.3	54.5

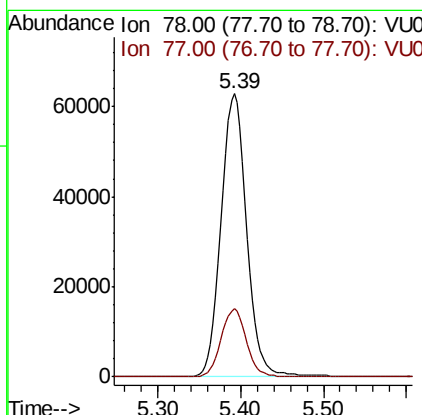
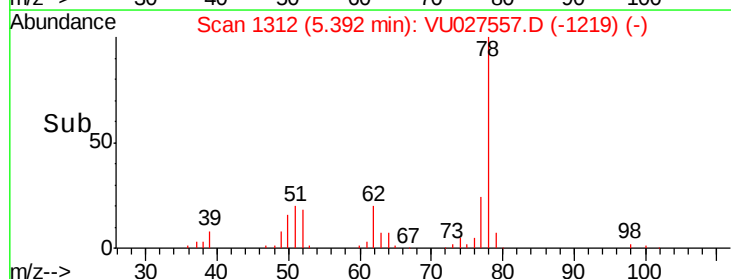
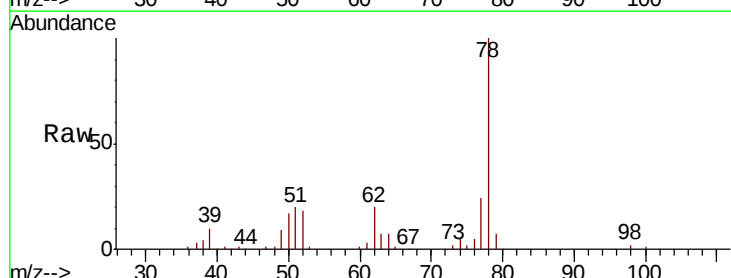
Manual Integrations
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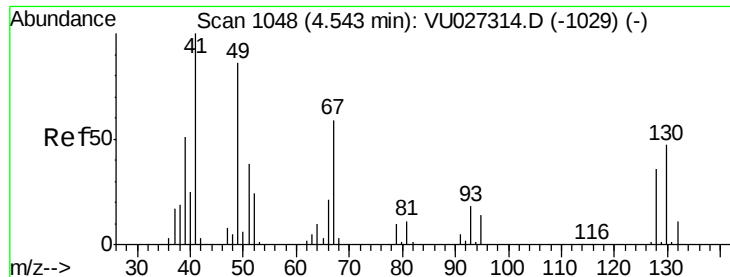
MMDadoda
10/11/2018 9:01:59 AM



#40
Benzene
Concen: 19.143 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





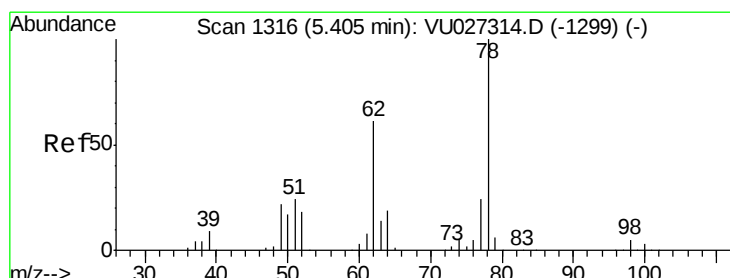
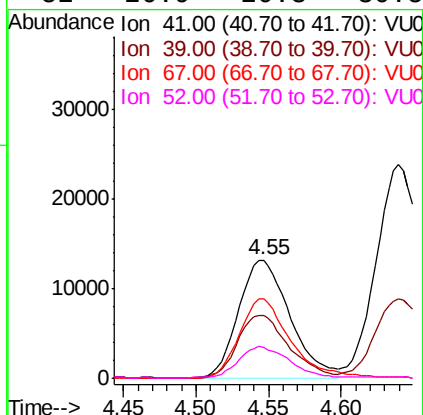
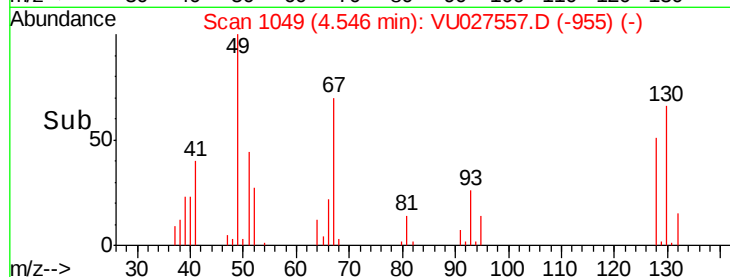
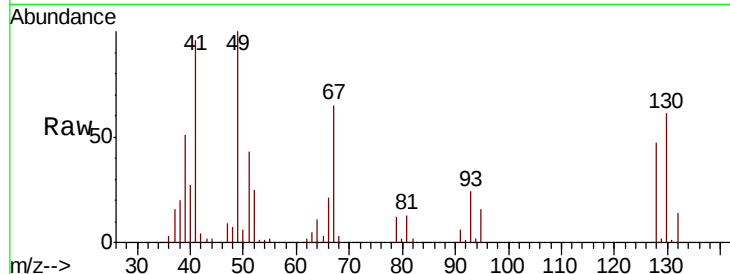
#41
Methacrylonitrile
Concen: 18.509 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	41.1	61.7	
67	67.0	50.4	75.6	
52	26.9	20.3	30.5	

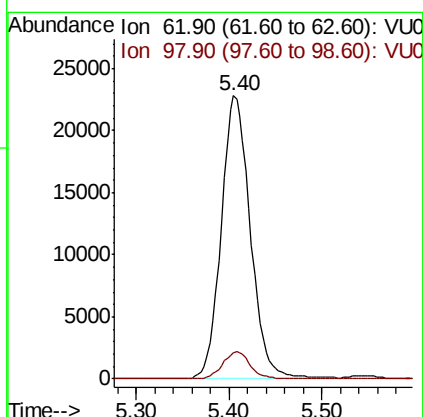
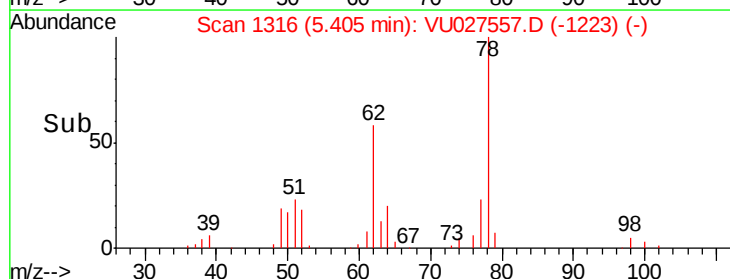
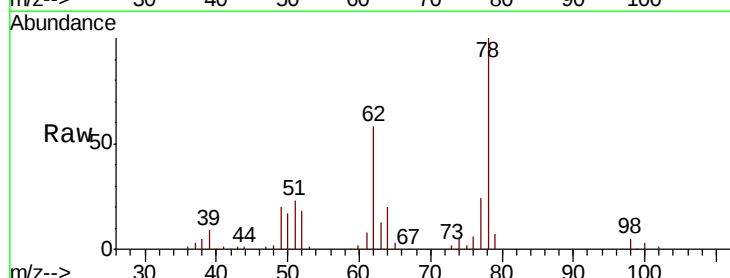
Manual Integrations
APPROVED

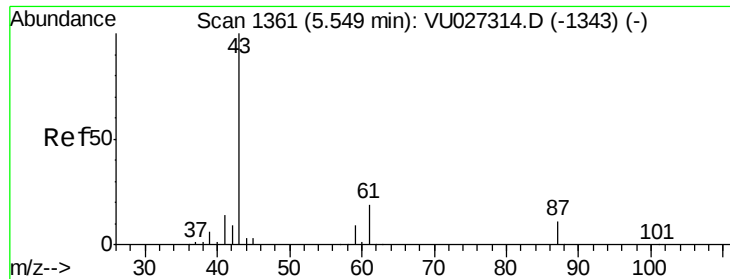
MMDadoda
10/11/2018 9:01:59 AM



#42
1,2-Dichloroethane
Concen: 18.984 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	16.8	





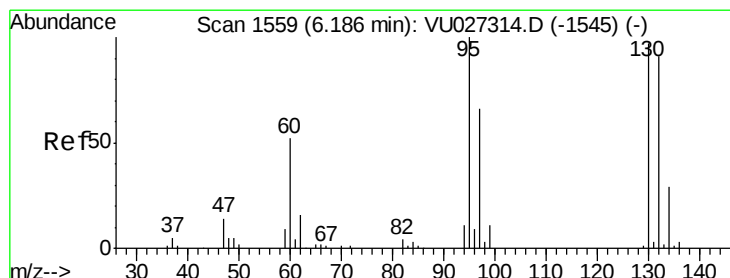
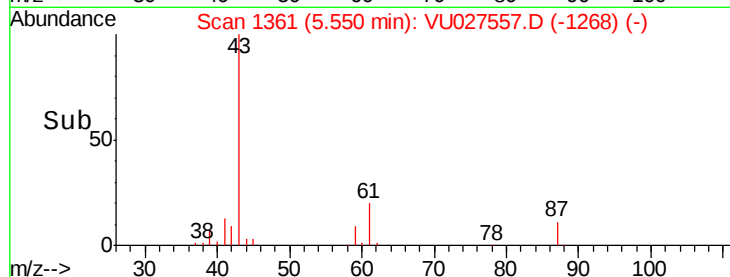
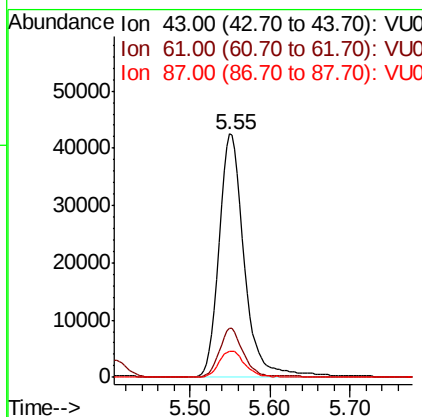
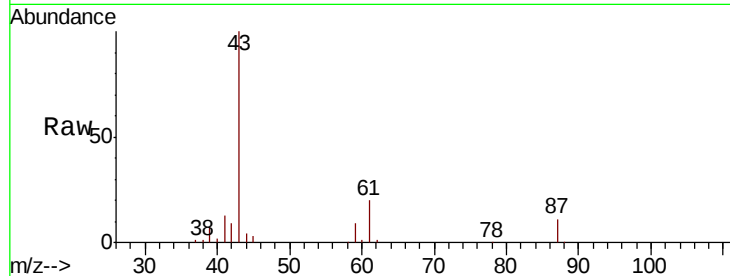
#43
Isopropyl Acetate
Concen: 19.238 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.3	22.9
87	11.0	8.6	13.0

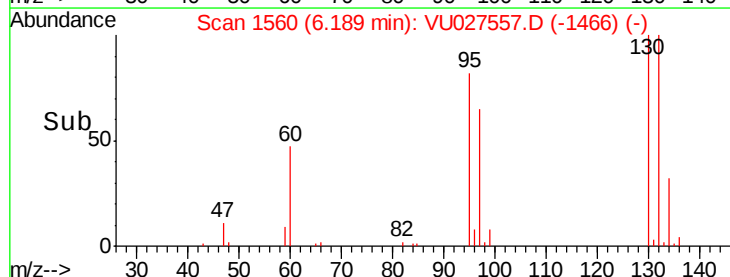
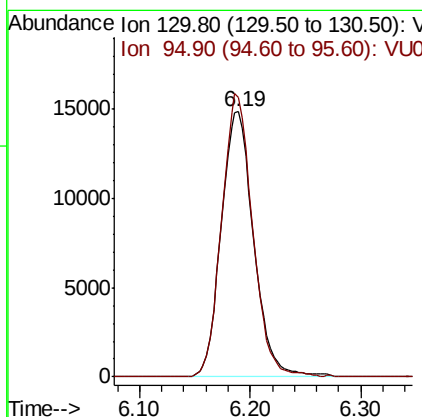
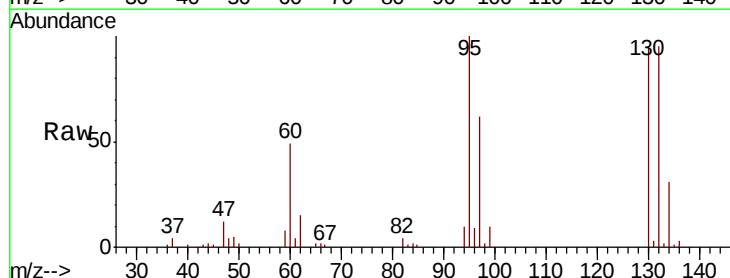
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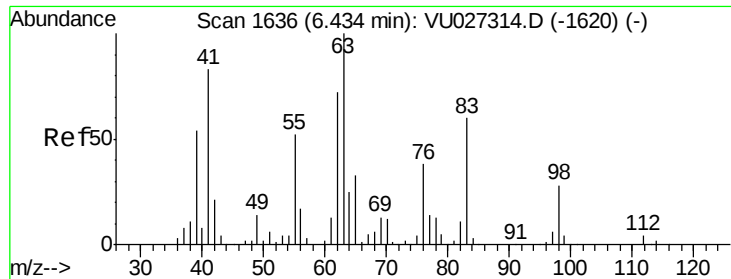
MMDadoda
10/11/2018 9:01:59 AM



#44
Trichloroethene
Concen: 19.309 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	207.0





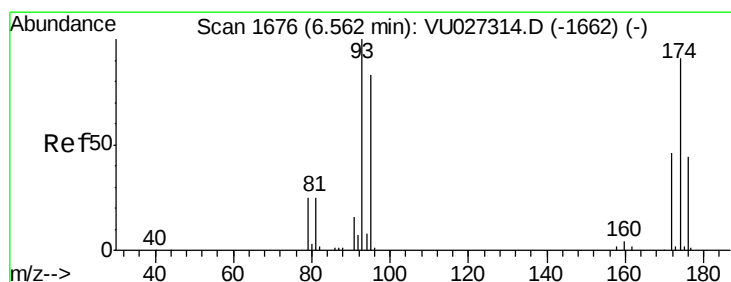
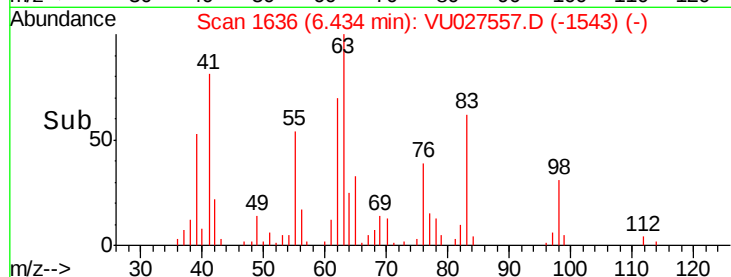
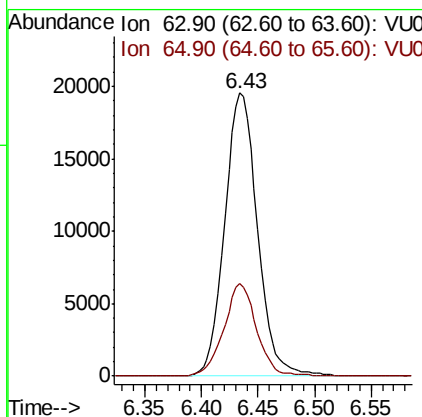
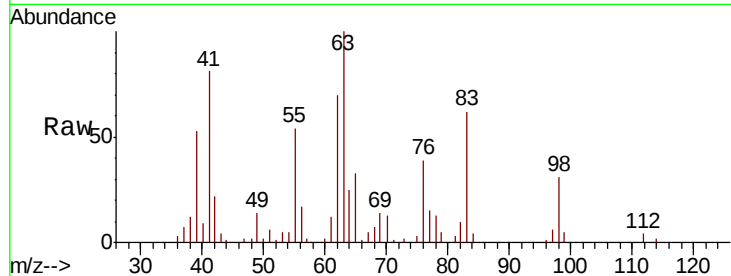
#45
 1,2-Dichloropropane
 Concen: 19.374 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion: 63 Resp: 39414
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.0 39.0

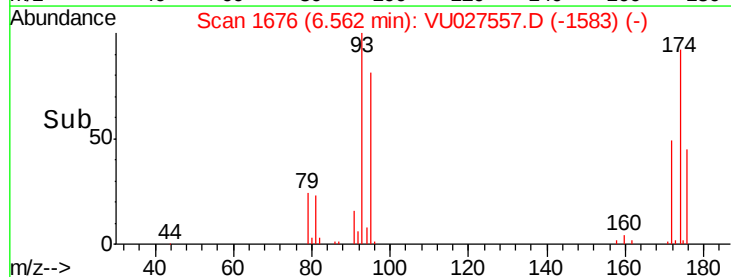
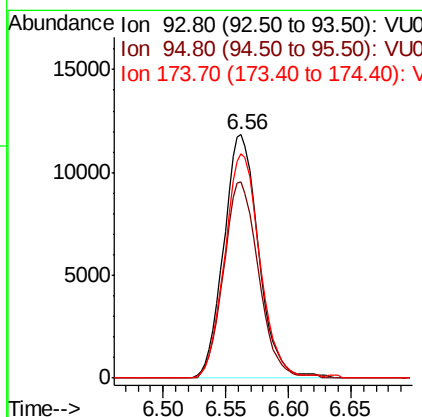
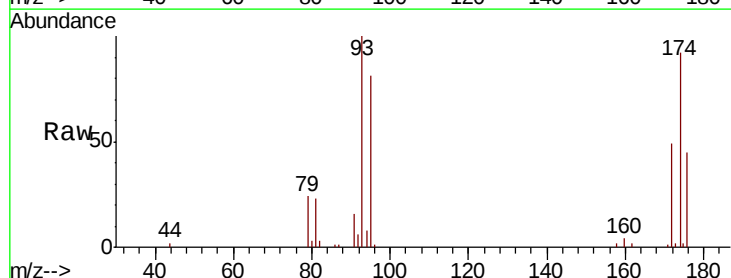
Manual Integrations
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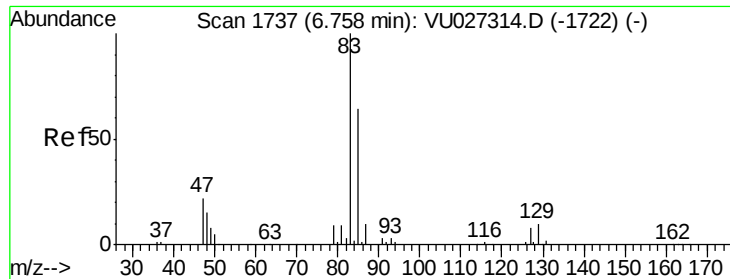
MMDadoda
 10/11/2018 9:01:59 AM



#46
 Dibromomethane
 Concen: 19.879 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion: 93 Resp: 22841
 Ion Ratio Lower Upper
 93 100
 95 80.8 66.5 99.7
 174 92.9 72.5 108.7





#47

Bromodichloromethane

Concen: 19.192 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

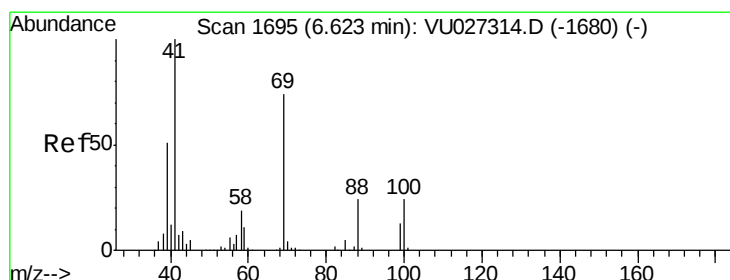
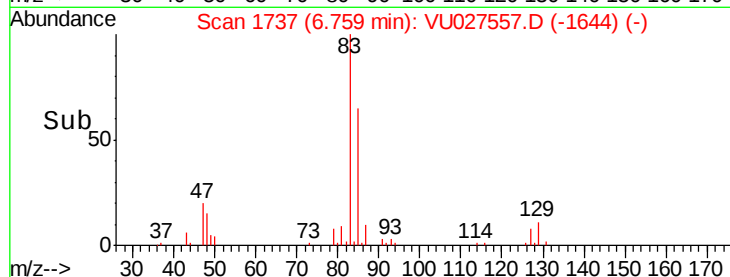
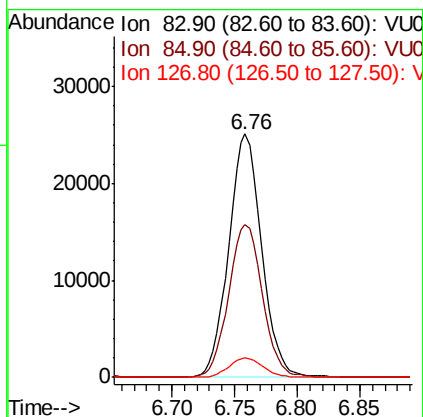
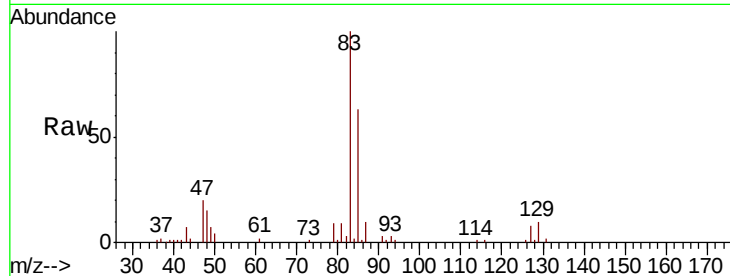
ClientSampleId :

VU1010WBS02

Tot Ion:	83	Resp:	45758
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.4	77.0
127	7.9	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.896 ug/l

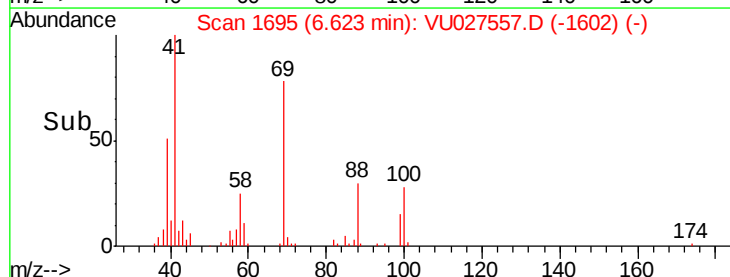
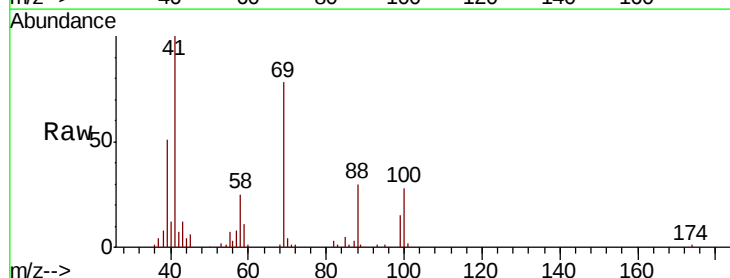
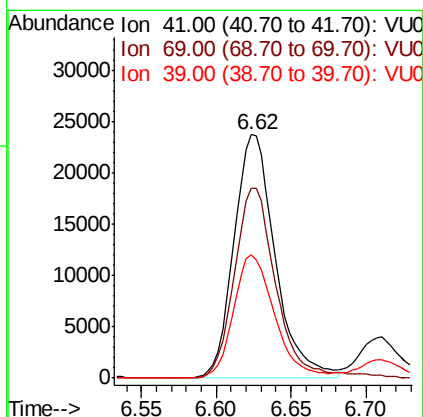
RT: 6.62 min Scan# 1695

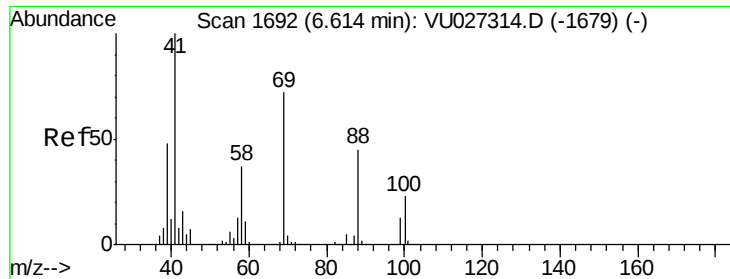
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	41	Resp:	45671
Ion	Ratio	Lower	Upper
41	100		
69	79.0	61.0	91.4
39	50.1	39.9	59.9





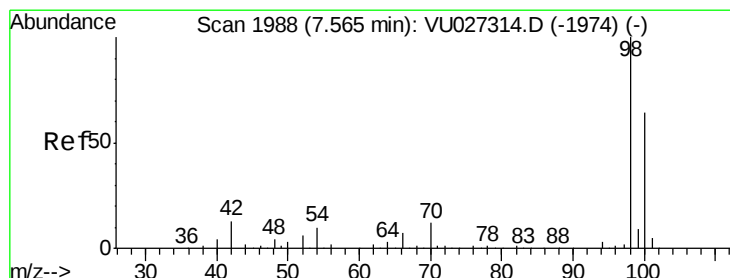
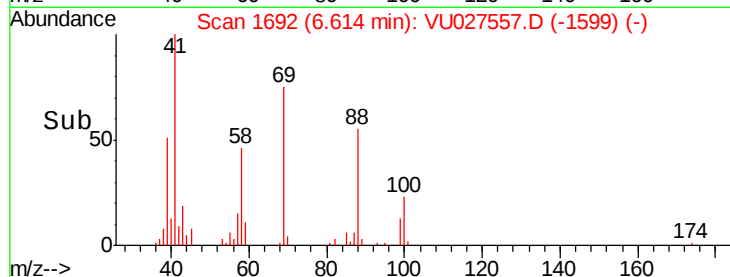
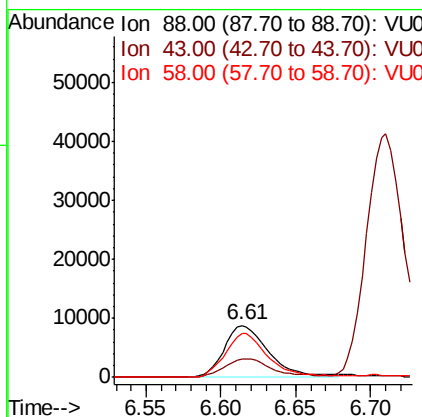
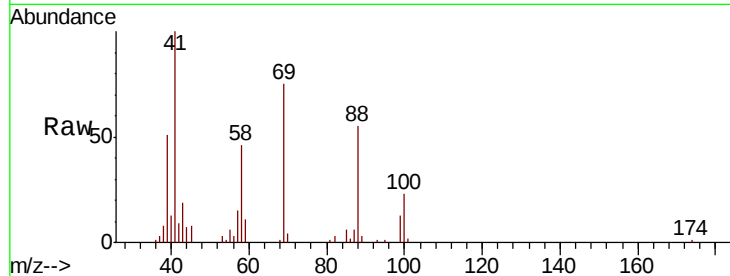
#49
1,4-Dioxane
Concen: 436.729 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.8	46.2
58	82.2	67.0	100.6

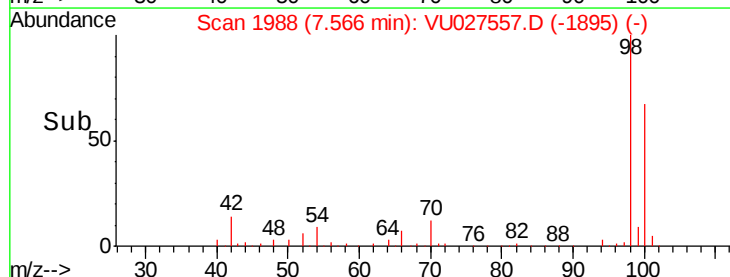
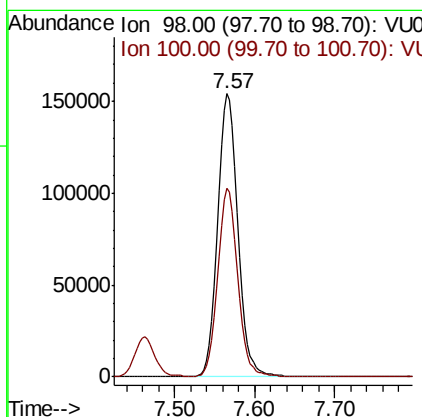
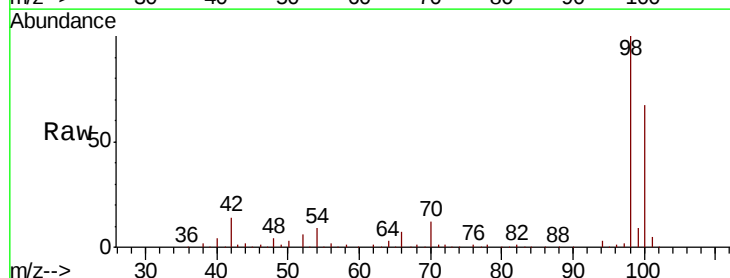
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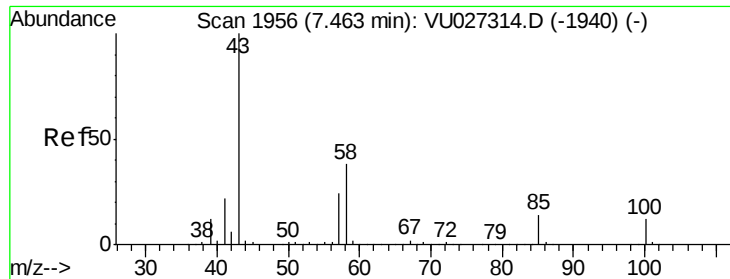
MMDadoda
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#50
Toluene-d8
Concen: 47.490 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.484 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion: 43 Resp: 301571

Ion Ratio Lower Upper

43 100

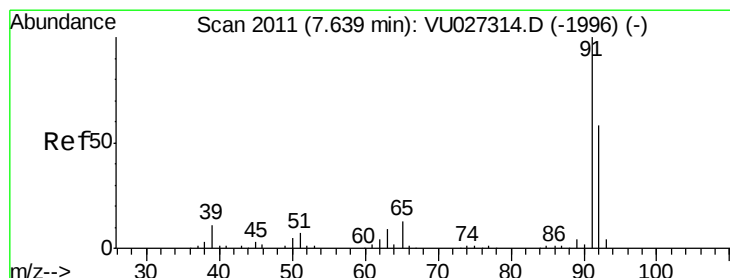
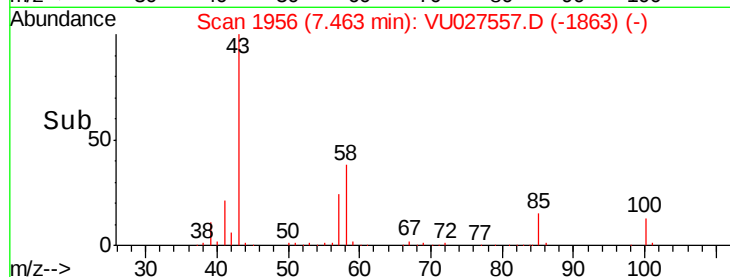
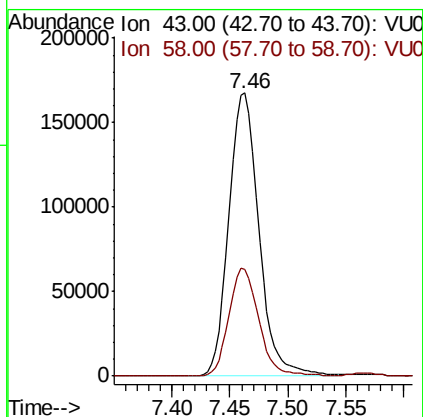
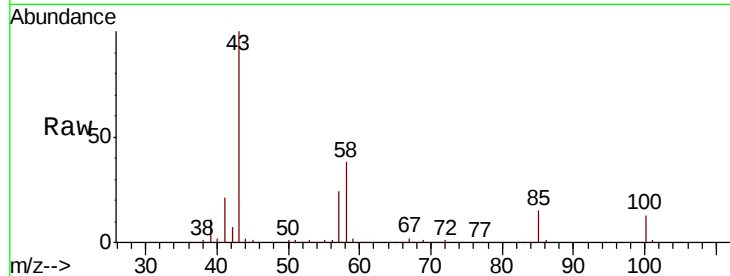
58 37.9 29.8 44.8

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10/11/2018 9:01:59 AM



#52

Toluene

Concen: 19.171 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027557.D

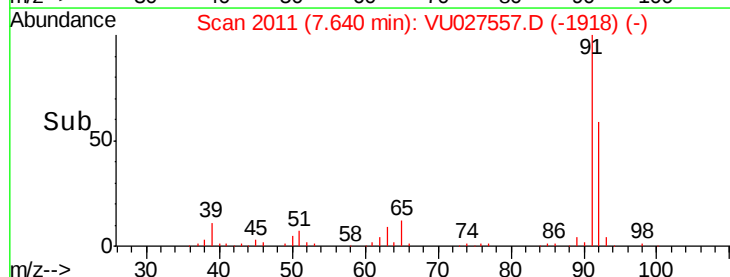
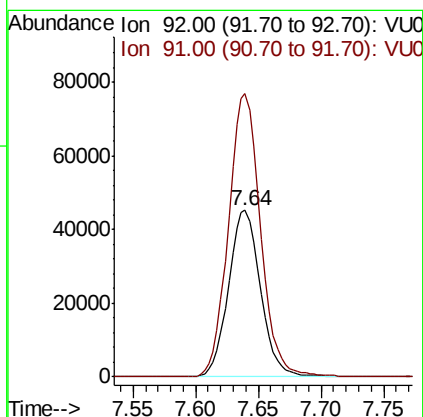
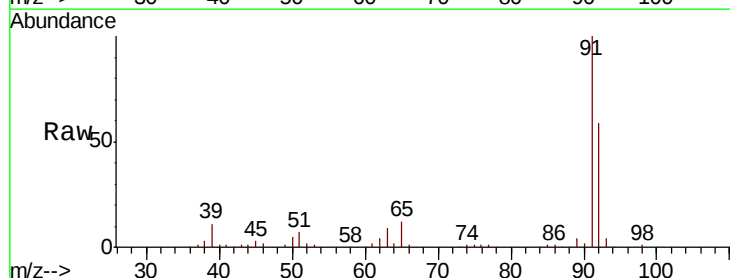
Acq: 10 Oct 2018 09:06

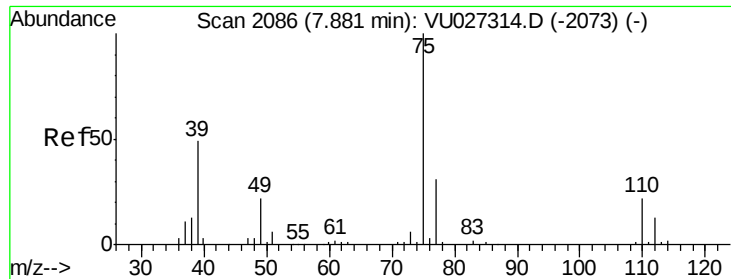
Tgt Ion: 92 Resp: 80035

Ion Ratio Lower Upper

92 100

91 170.6 138.6 208.0





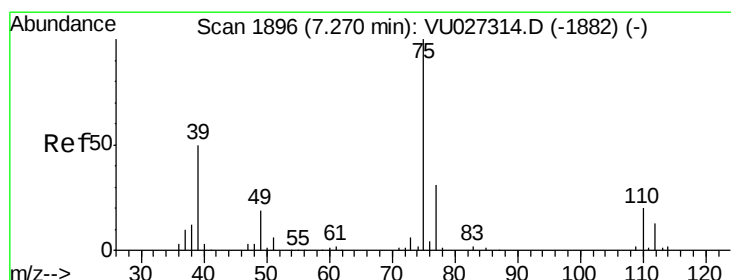
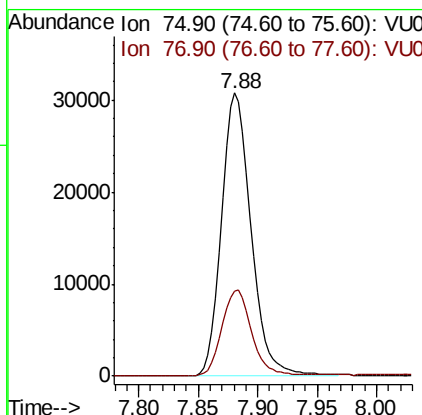
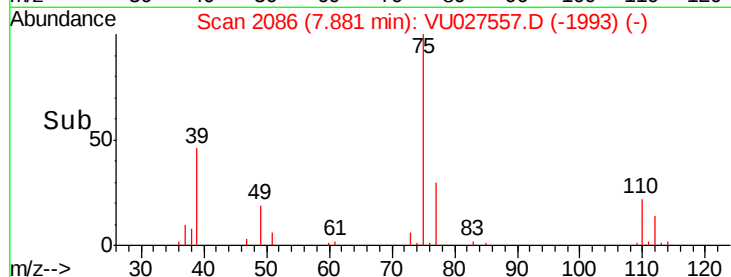
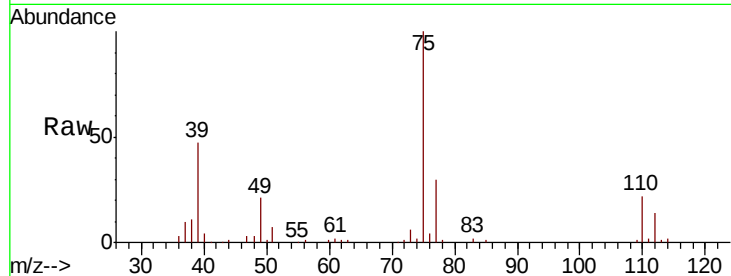
#53
t-1,3-Dichloropropene
Concen: 18.996 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 75 Resp: 53101
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.6

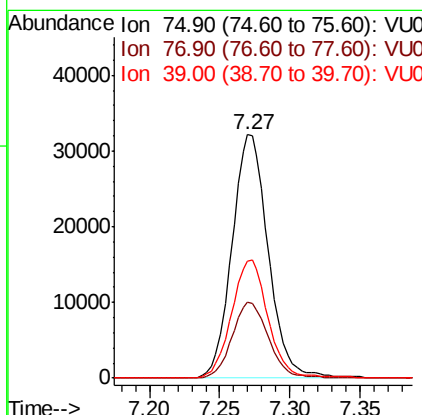
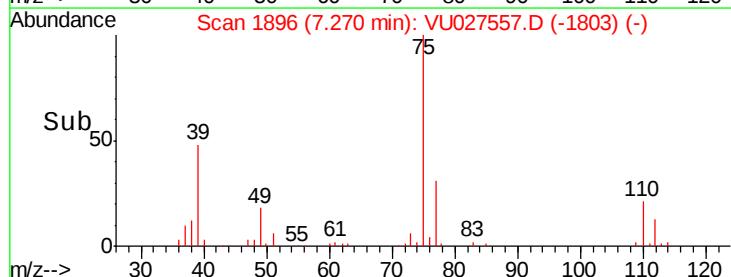
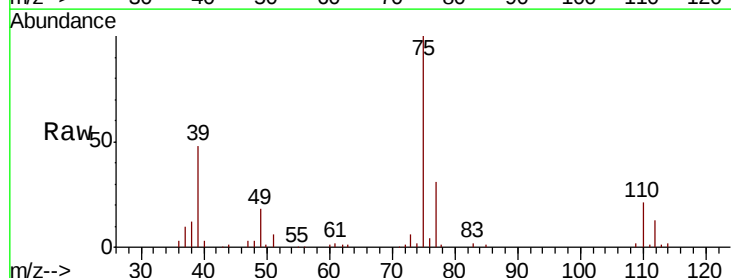
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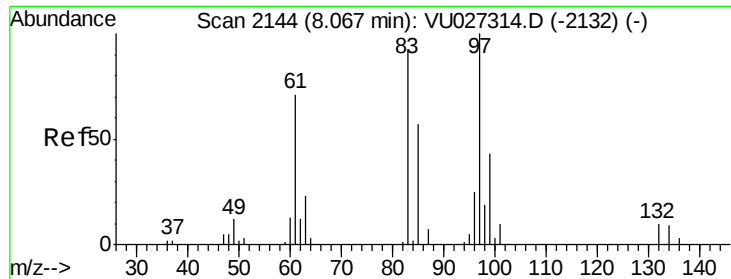
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10/11/2018 9:01:59 AM



#54
cis-1,3-Dichloropropene
Concen: 19.217 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 75 Resp: 57749
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 48.2 40.1 60.1





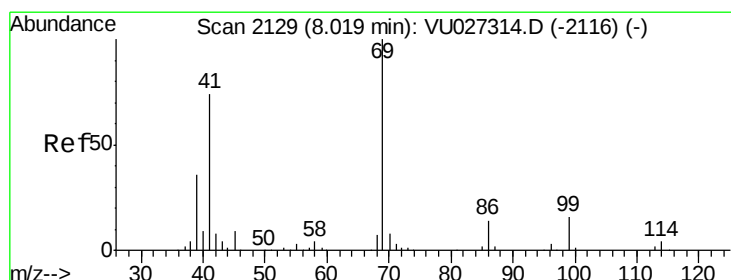
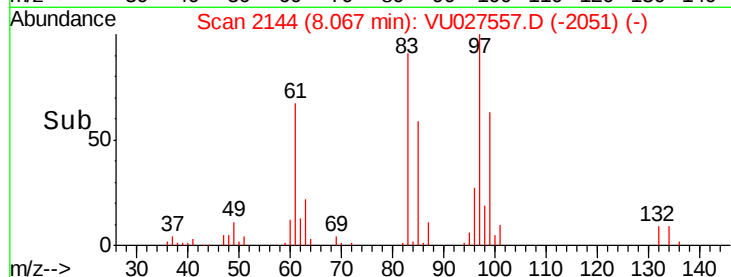
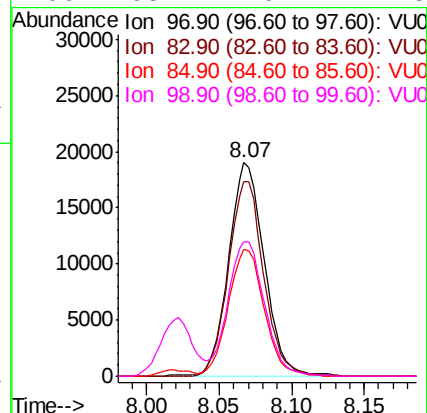
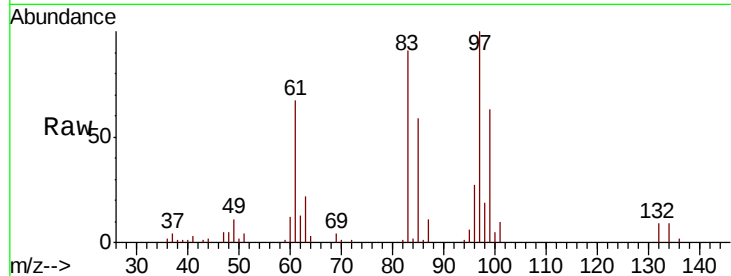
#55
 1,1,2-Trichloroethane
 Concen: 19.570 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion:	97	Resp:	32394
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	59.1	47.3	70.9
99	63.2	49.7	74.5

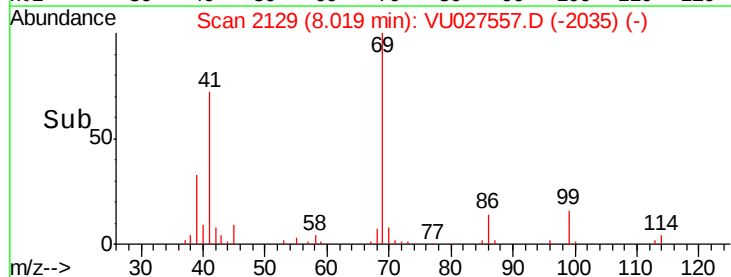
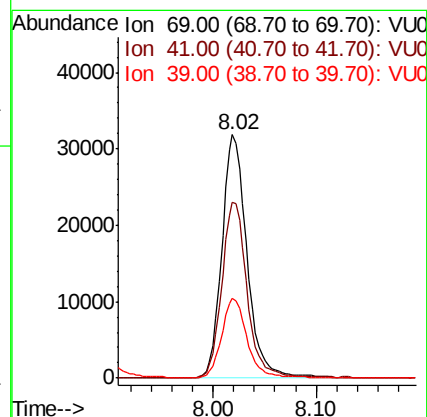
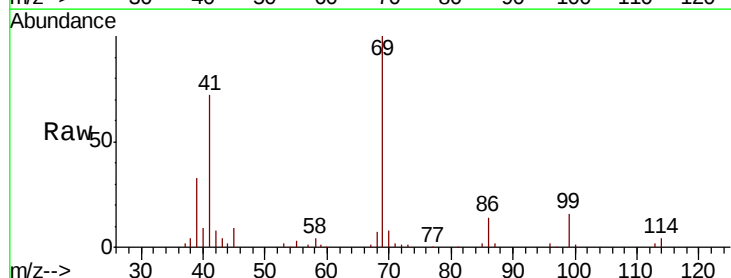
Manual Integrations
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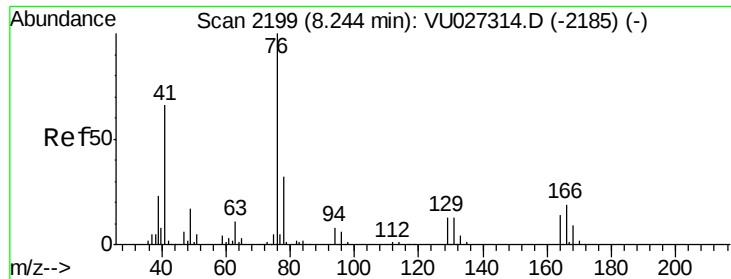
MMDadoda
 10/11/2018 9:01:59 AM



#56
 Ethyl methacrylate
 Concen: 18.499 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion:	69	Resp:	53886
Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.0	90.0
39	33.4	29.5	44.3





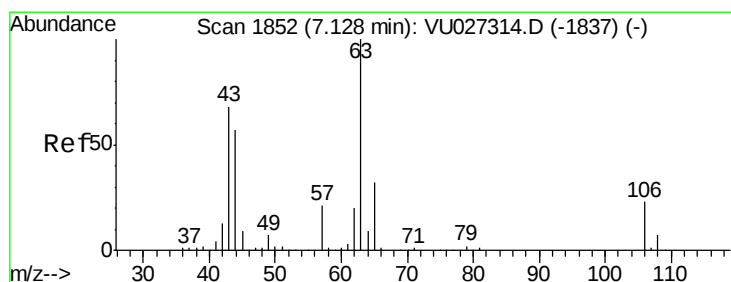
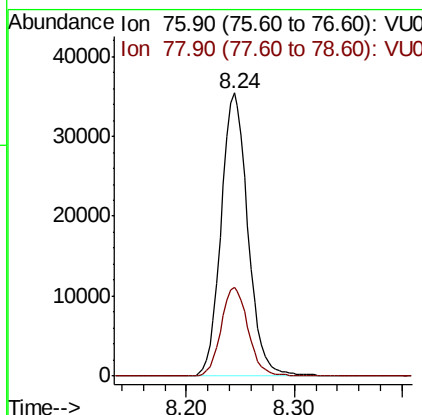
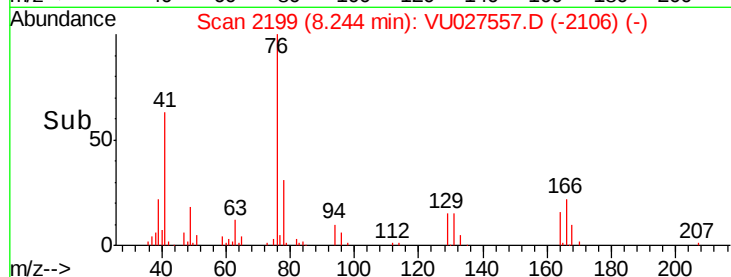
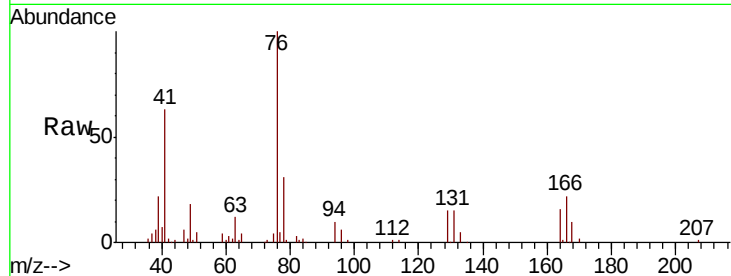
#57
 1,3-Dichloropropane
 Concen: 19.042 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

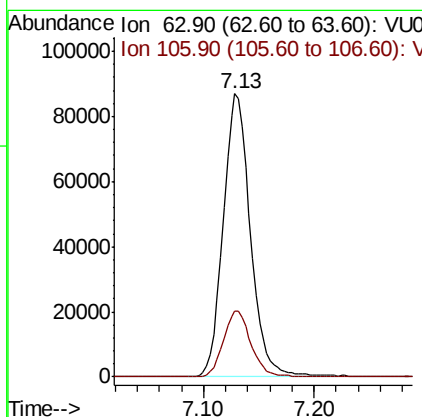
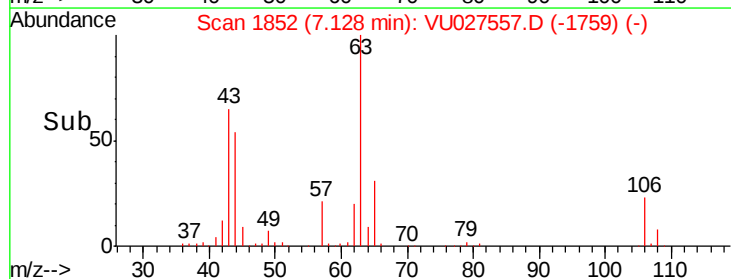
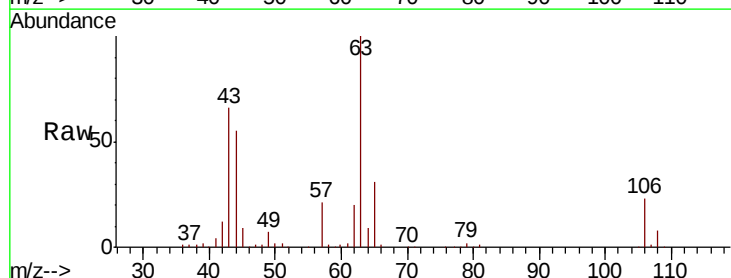
Manual Integrations
 APPROVED

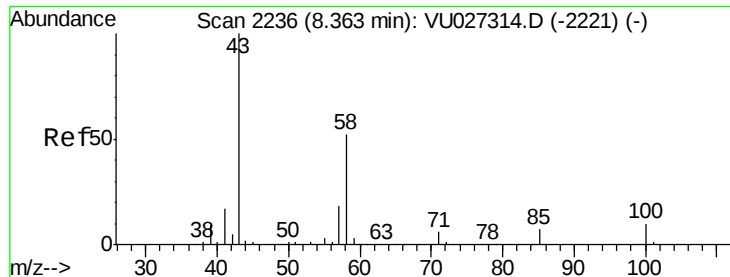
MMDadoda
 10/11/2018 9:01:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.930 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.7	18.5	27.7





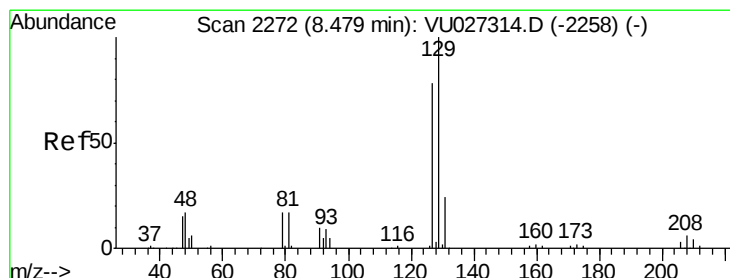
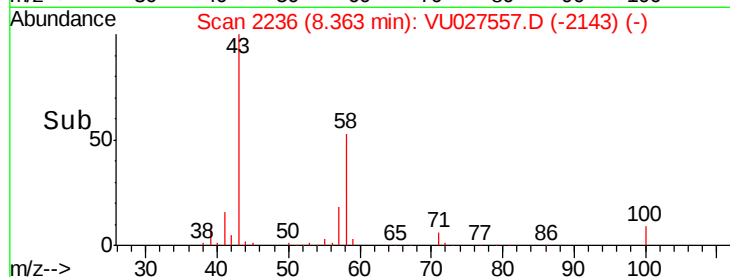
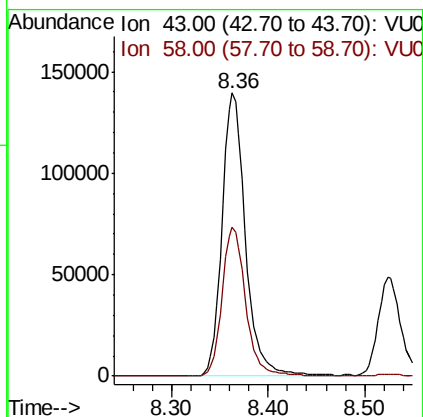
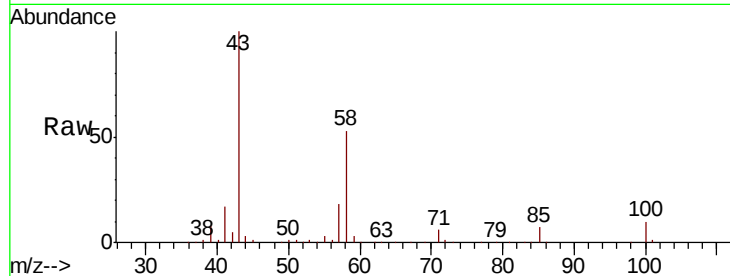
#59
2-Hexanone
Concen: 95.647 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 43 Resp: 234334
Ion Ratio Lower Upper
43 100
58 53.1 26.1 78.3

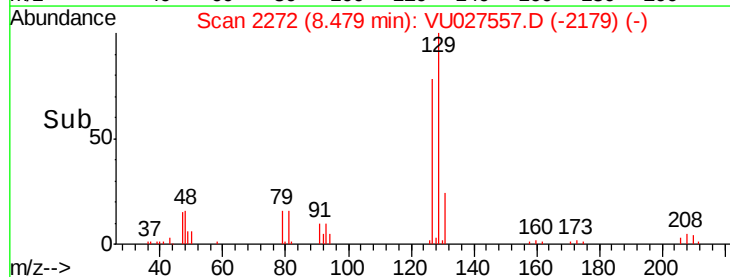
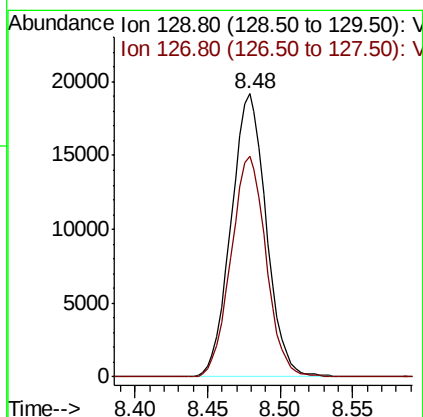
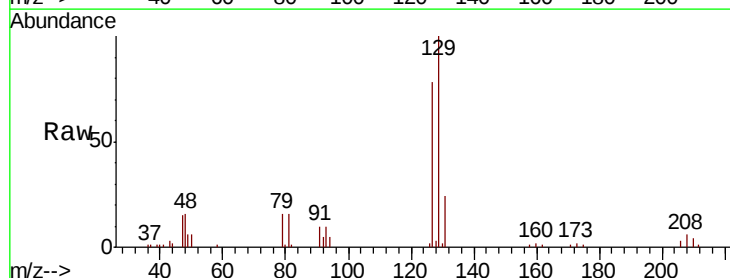
Manual Integrations
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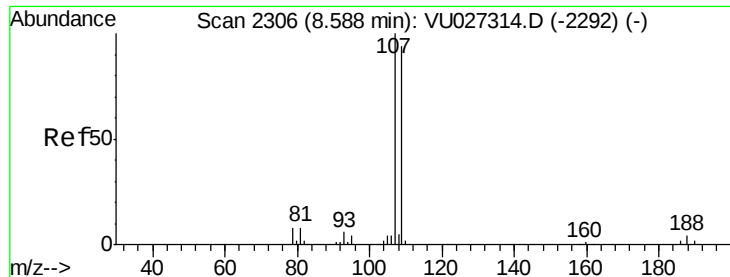
MMDadoda
10/11/2018 9:01:59 AM



#60
Dibromochloromethane
Concen: 19.454 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 129 Resp: 32296
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





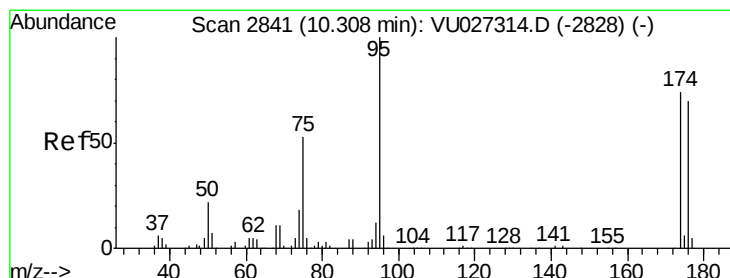
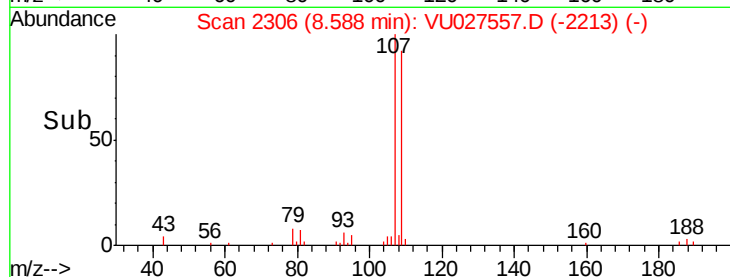
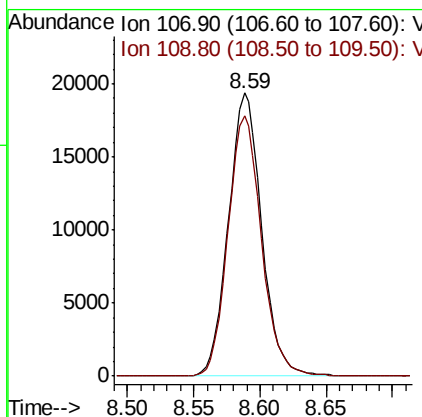
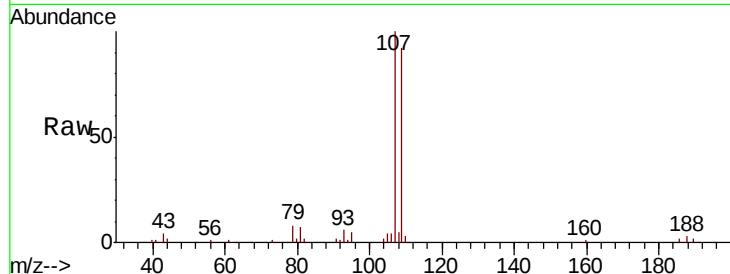
#61
 1,2-Dibromoethane
 Concen: 19.149 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.5	111.7

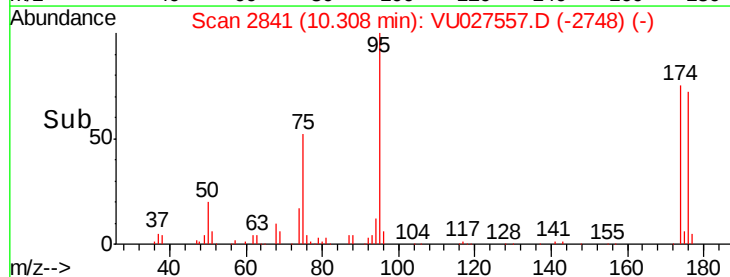
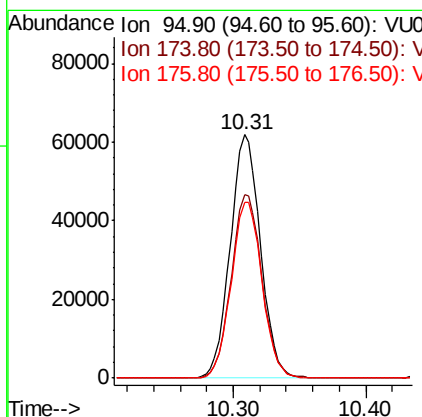
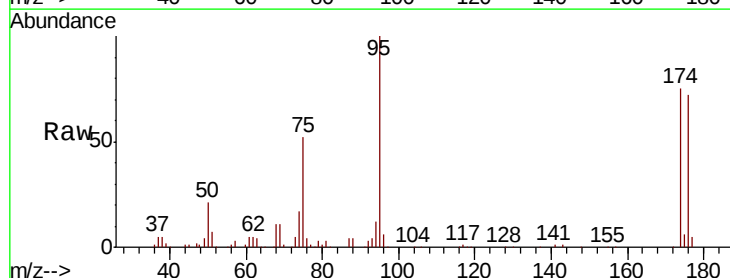
Manual Integrations
 APPROVED

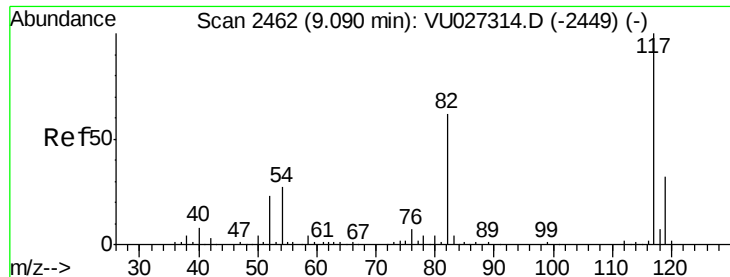
MMDadoda
 10/11/2018 9:01:59 AM



#62
 4-Bromofluorobenzene
 Concen: 46.062 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	147.8
176	73.9	0.0	140.8





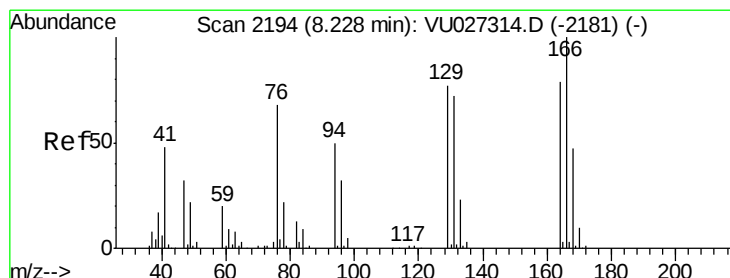
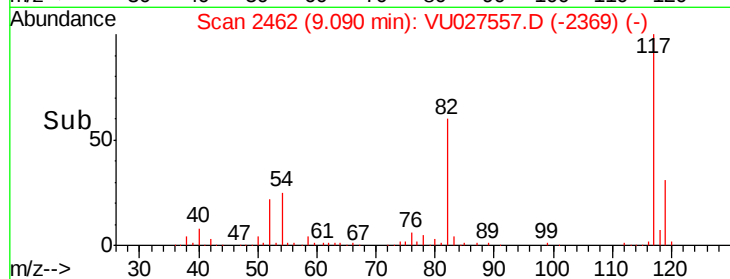
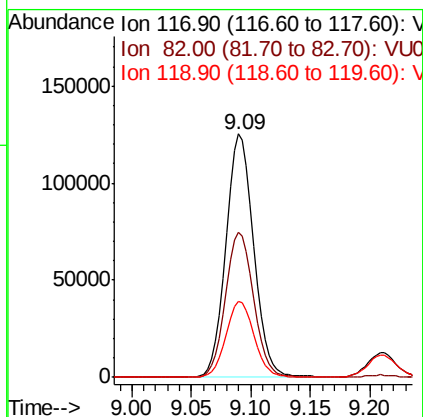
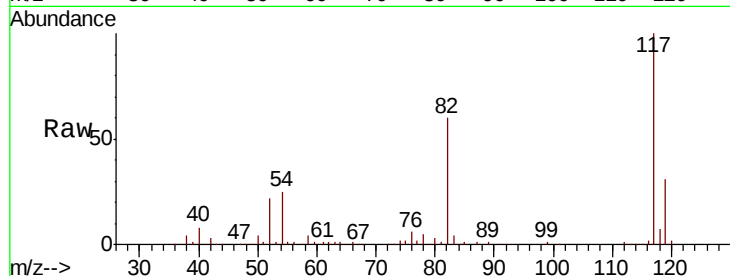
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.2	73.8
119	31.2	25.7	38.5

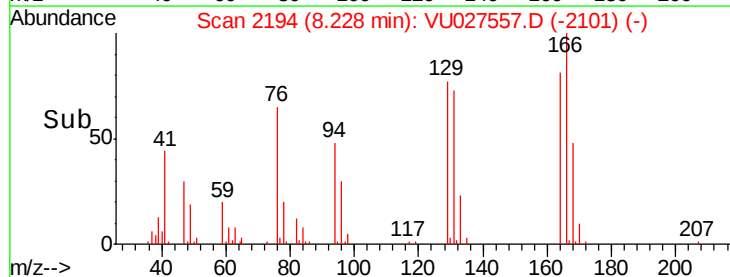
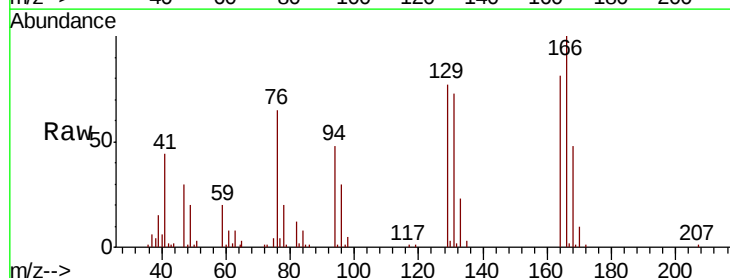
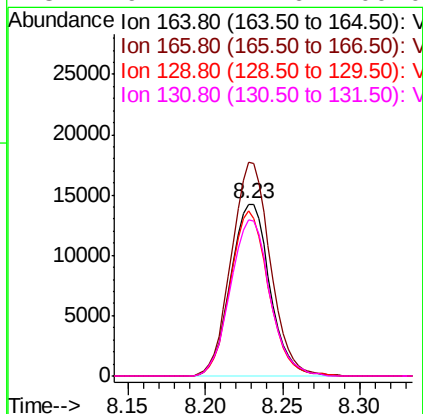
Manual Integrations
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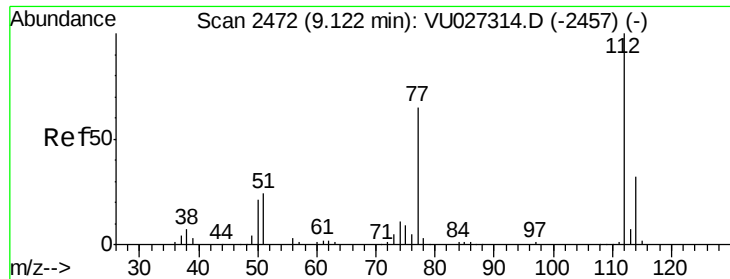
MMDadoda
10/11/2018 9:01:59 AM



#64
Tetrachloroethene
Concen: 19.770 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.0	151.6
129	95.8	78.0	117.0
131	91.1	72.6	109.0





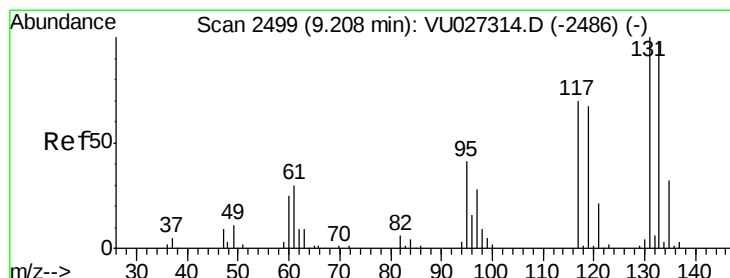
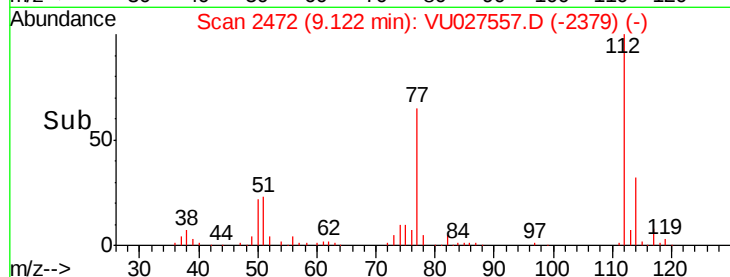
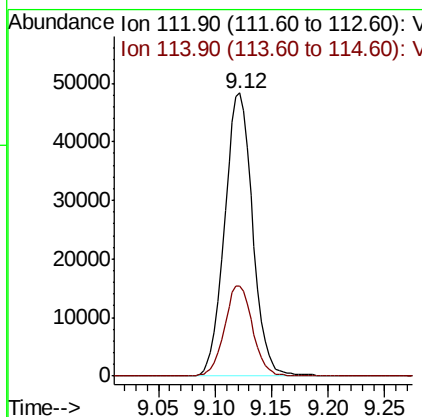
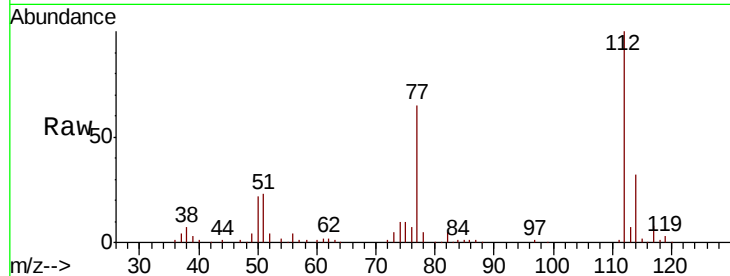
#65
Chlorobenzene
Concen: 19.427 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion:112 Resp: 83129
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

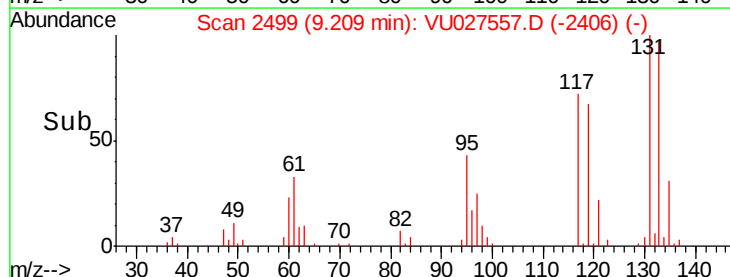
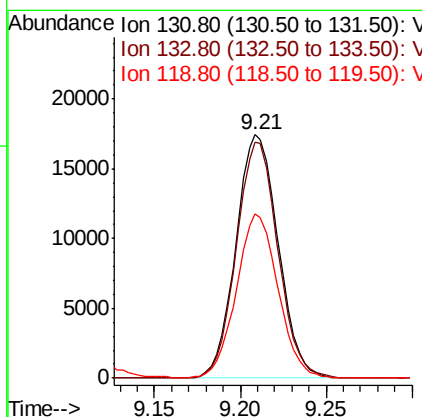
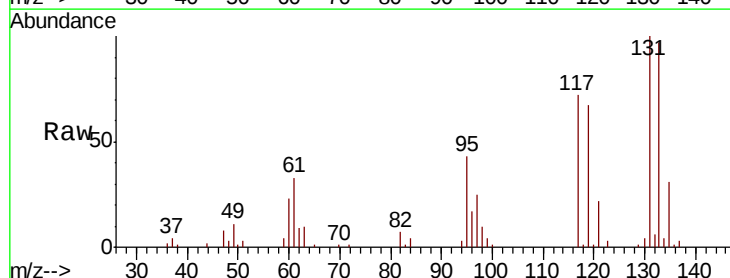
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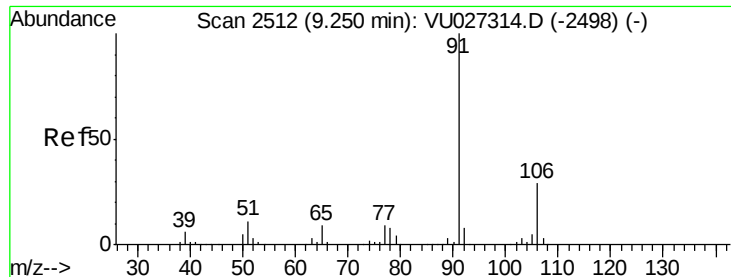
MMDadoda
10/11/2018 9:01:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.130 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion:131 Resp: 29736
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.6
119 66.5 33.5 100.4





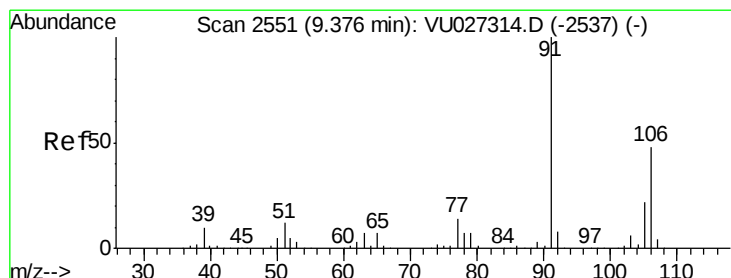
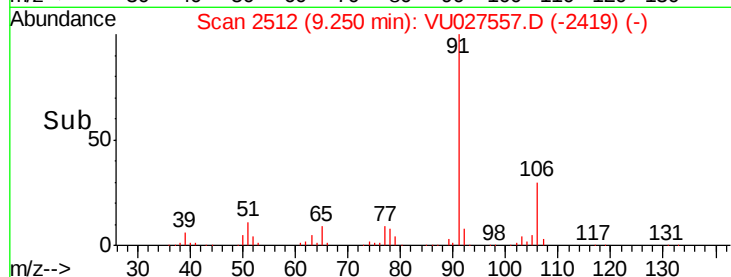
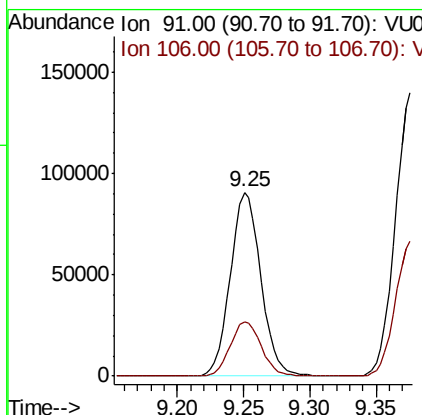
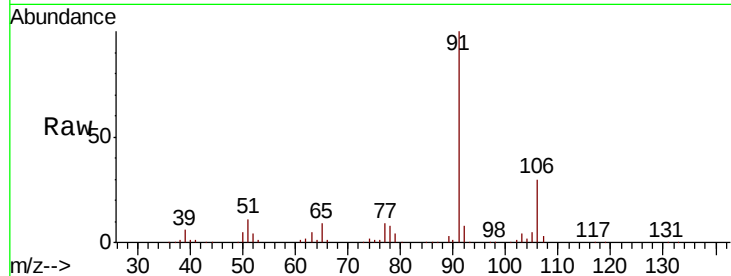
#67
Ethyl Benzene
Concen: 19.169 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 91 Resp: 145332
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4

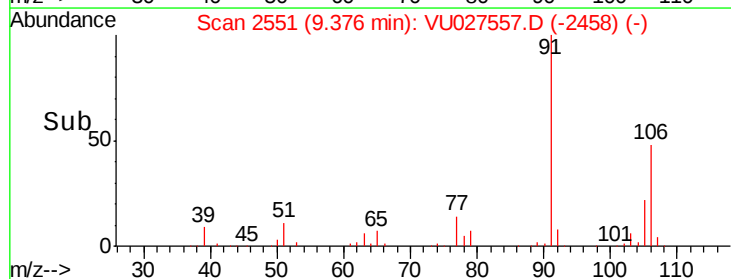
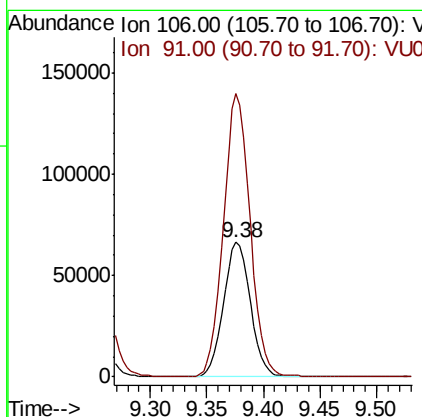
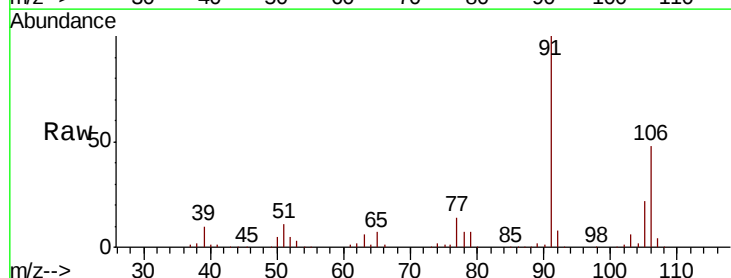
Manual Integrations
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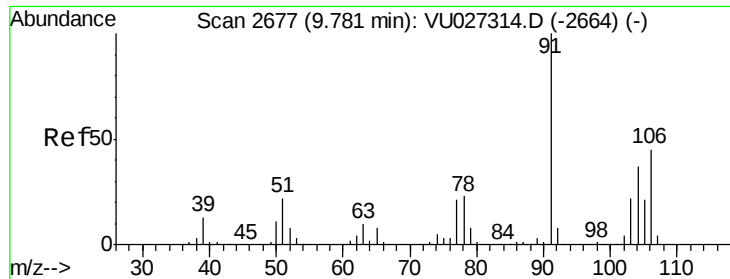
MMDadoda
10/11/2018 9:01:59 AM



#68
m/p-Xylenes
Concen: 39.725 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 106 Resp: 110164
Ion Ratio Lower Upper
106 100
91 208.5 168.1 252.1





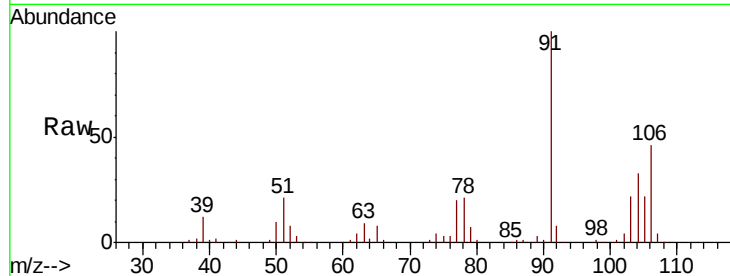
#69
o-Xylene
Concen: 20.139 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

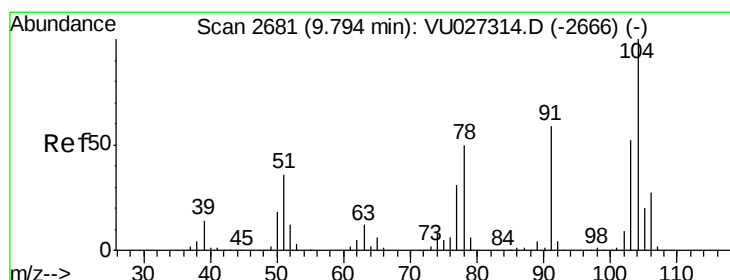
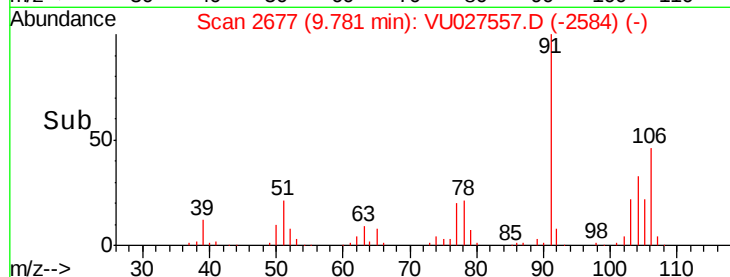
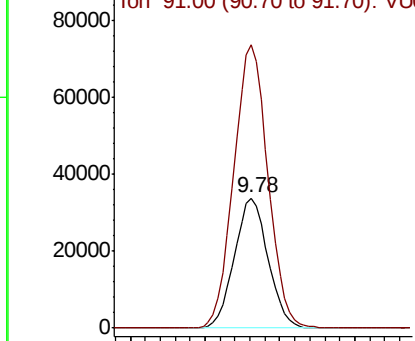
Tot Ion:106 Resp: 53072
Ion Ratio Lower Upper
106 100
91 221.2 111.7 334.9

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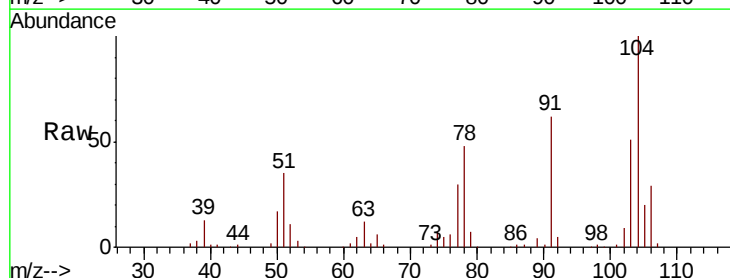


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

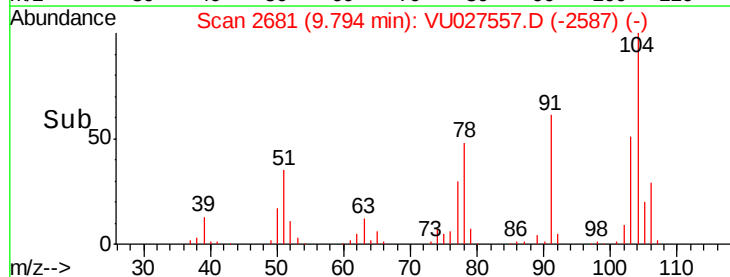
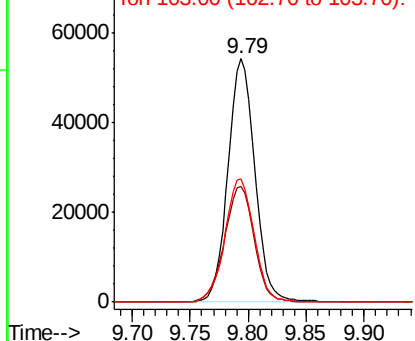


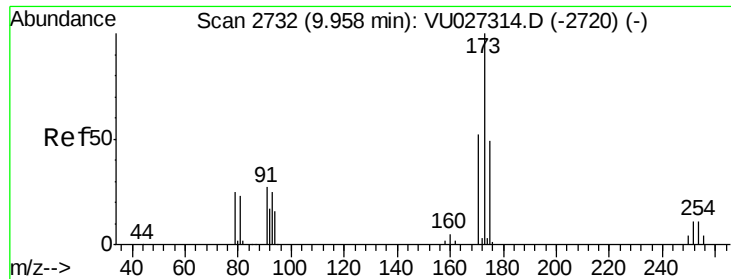
#70
Styrene
Concen: 19.177 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion:104 Resp: 87149
Ion Ratio Lower Upper
104 100
78 52.6 42.9 64.3
103 54.9 43.9 65.9



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





#71

Bromoform

Concen: 19.603 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion:173 Resp: 23299

Ion Ratio Lower Upper

173 100

175 47.9 24.3 73.0

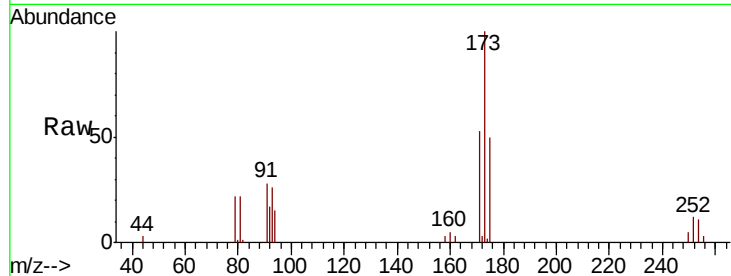
254 0.0 0.0 0.0

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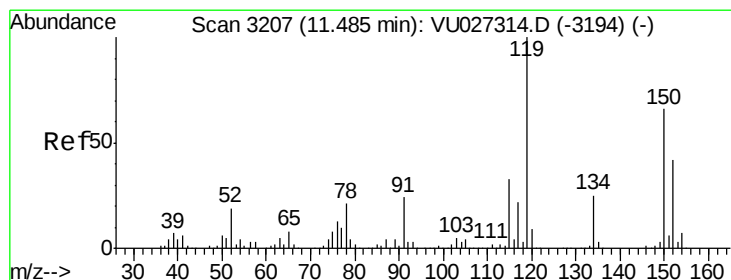
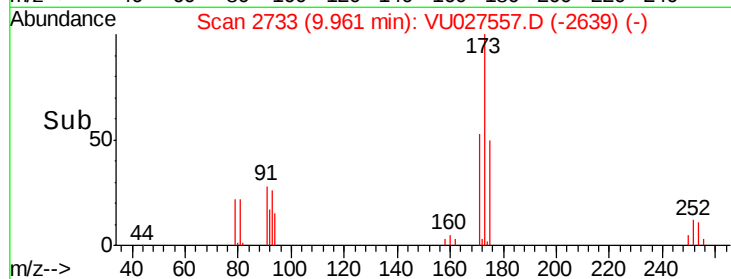
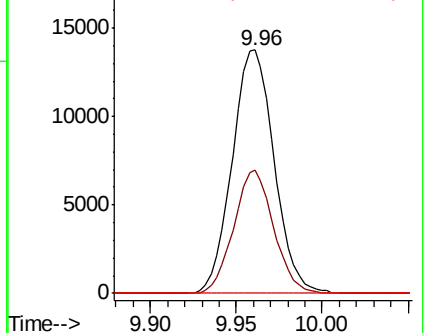
10/11/2018 9:01:59 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

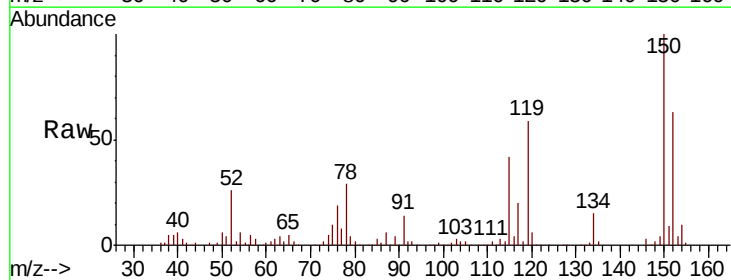
Tgt Ion:152 Resp: 100120

Ion Ratio Lower Upper

152 100

115 68.4 43.4 130.2

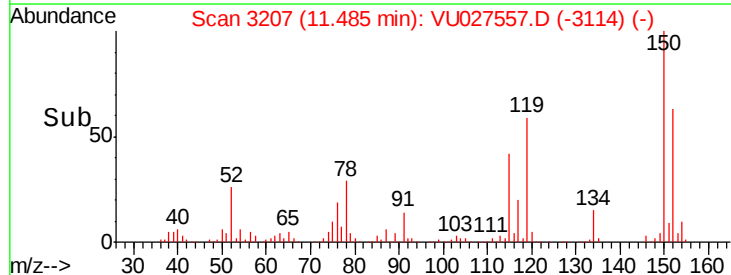
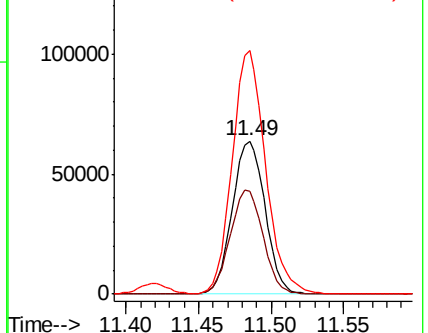
150 161.3 0.0 349.2

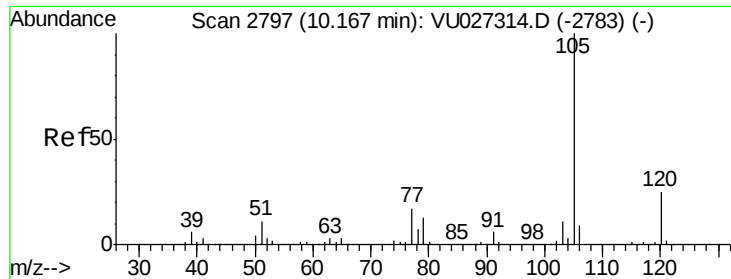


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





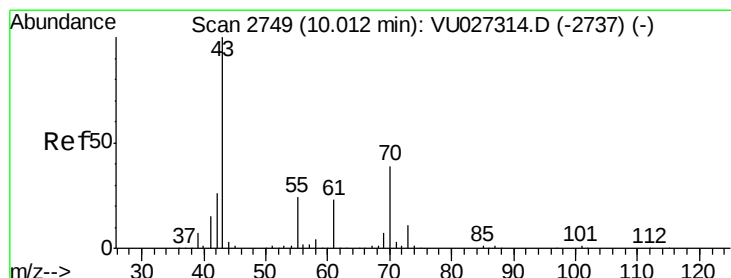
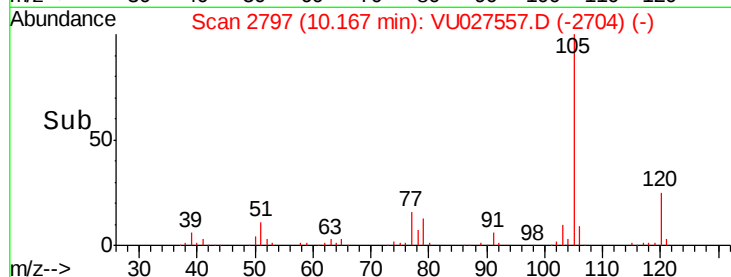
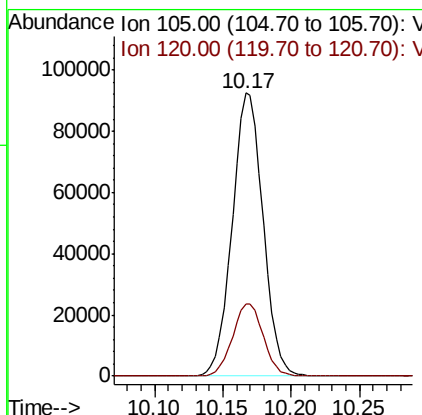
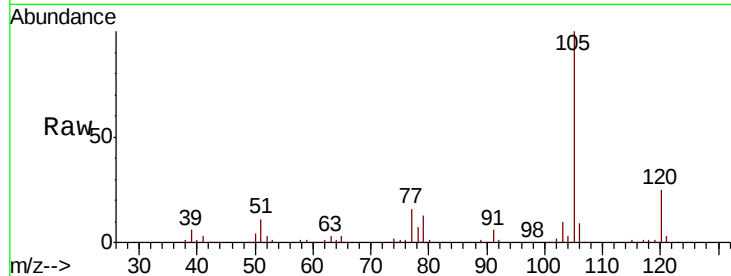
#73
Isopropylbenzene
Concen: 19.934 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 105 Resp: 144952
Ion Ratio Lower Upper
105 100
120 25.4 12.6 37.8

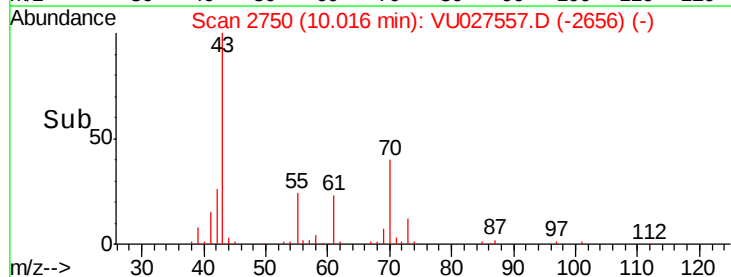
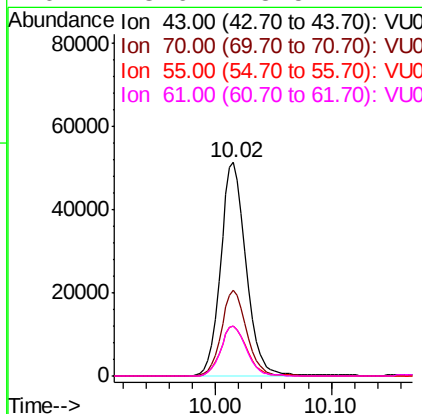
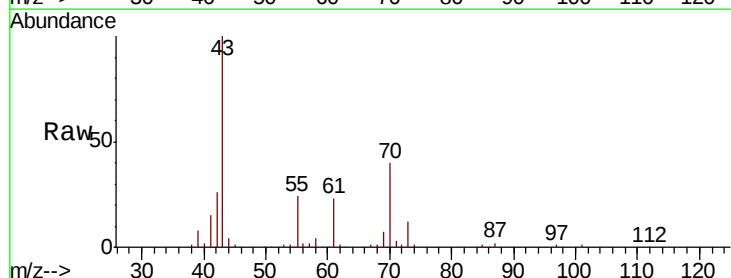
Manual Integrations
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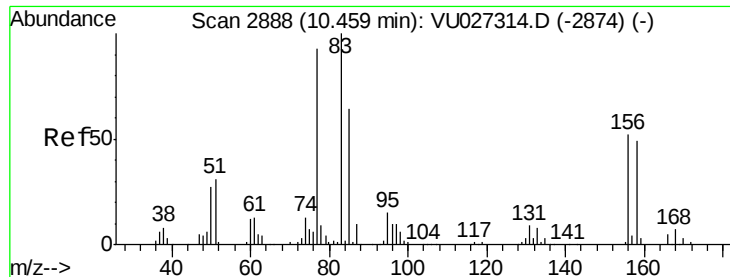
MMDadoda
10/11/2018 9:01:59 AM



#74
N-ethyl acetate
Concen: 18.883 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 43 Resp: 78606
Ion Ratio Lower Upper
43 100
70 39.7 31.3 46.9
55 24.1 19.0 28.6
61 23.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.313 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

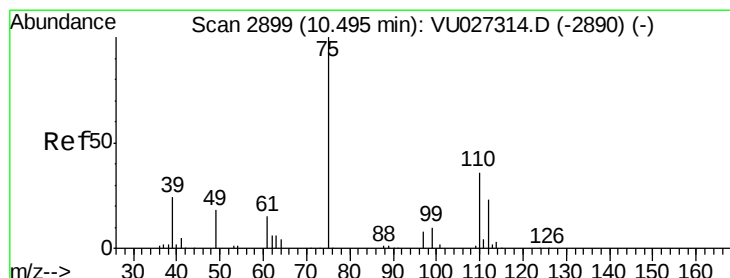
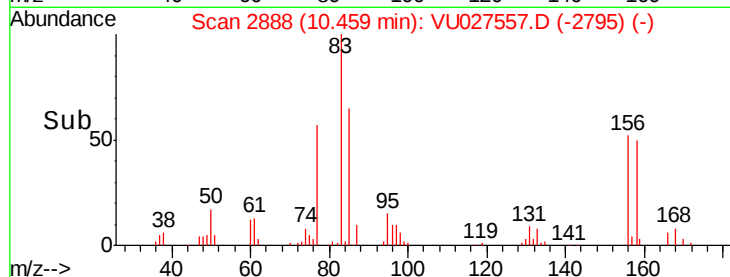
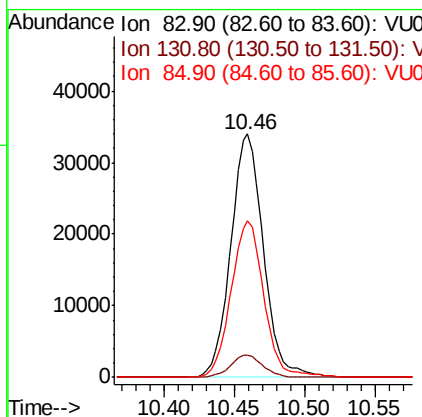
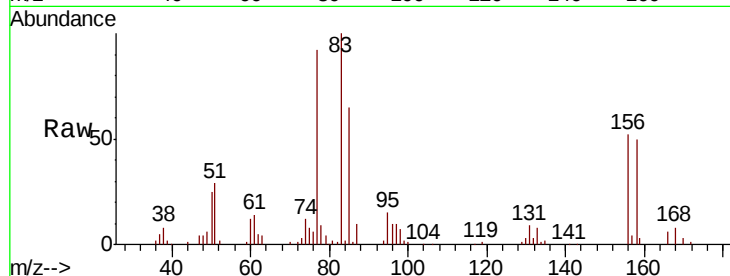
ClientSampleId :

VU1010WBS02

Tot Ion:	83	Resp:	55143
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.4	13.2
85	64.5	32.0	96.0

Manual Integrations
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MMDadoda
10/11/2018 9:01:59 AM



#76

1,2,3-Trichloropropane

Concen: 19.197 ug/l m

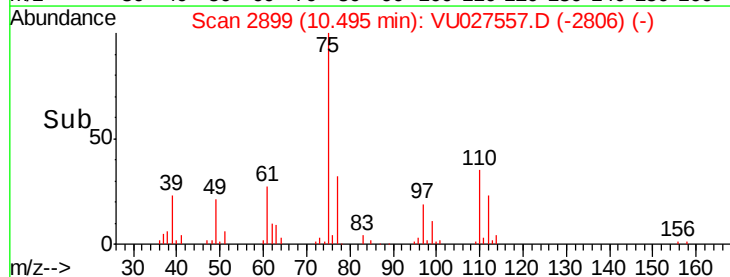
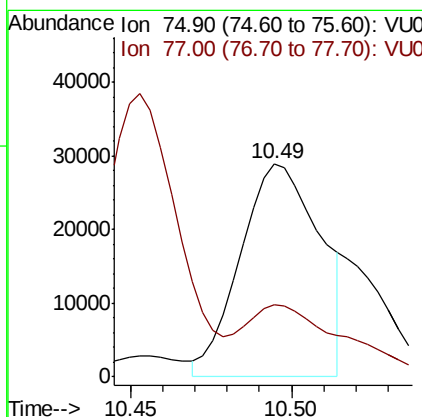
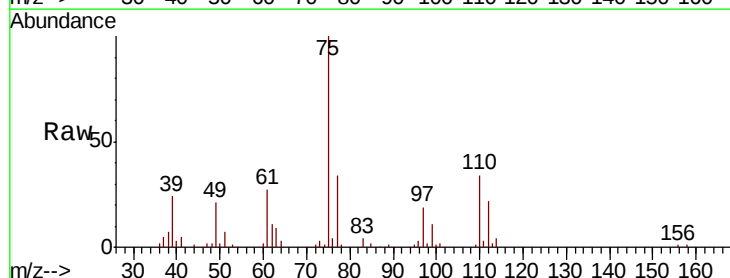
RT: 10.49 min Scan# 2899

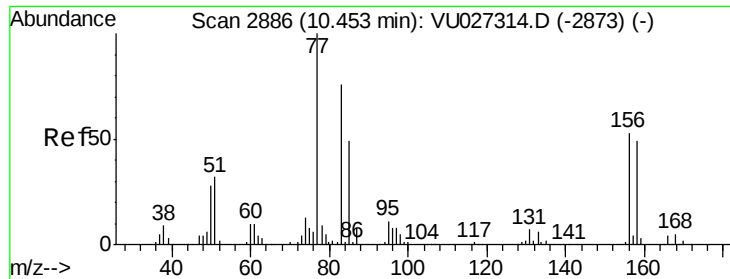
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	75	Resp:	49823
Ion Ratio	Lower	Upper	
75	100		
77	41.2	20.3	60.9





#77

Bromobenzene

Concen: 19.757 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

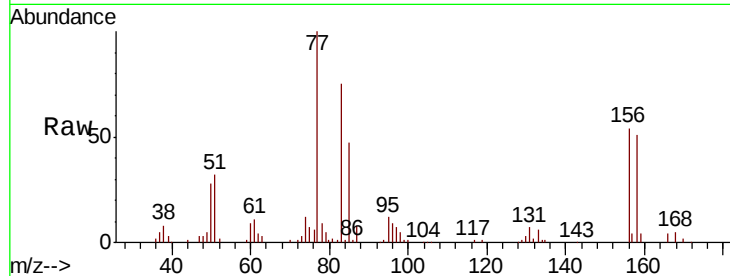
ClientSampleId :

VU1010WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.6	94.8	284.4
158	95.5	47.4	142.3

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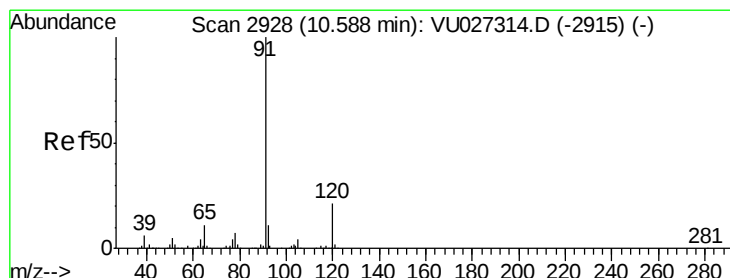
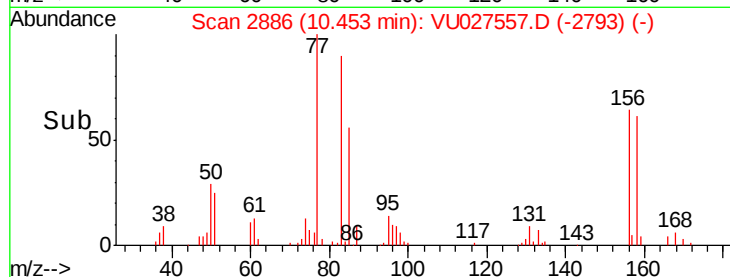
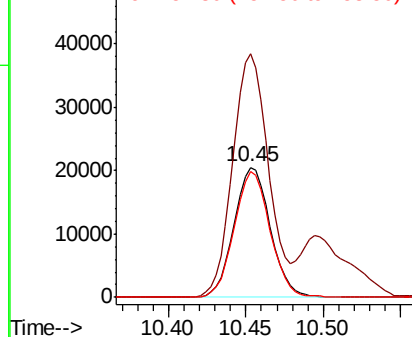


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.645 ug/l

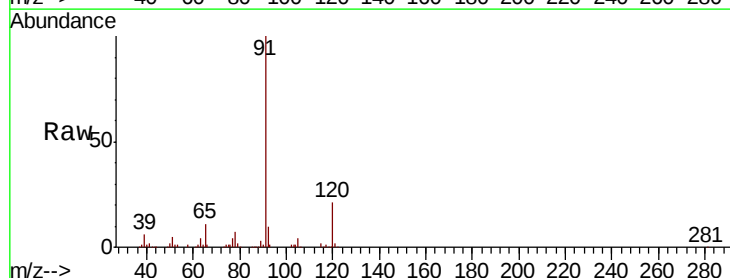
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

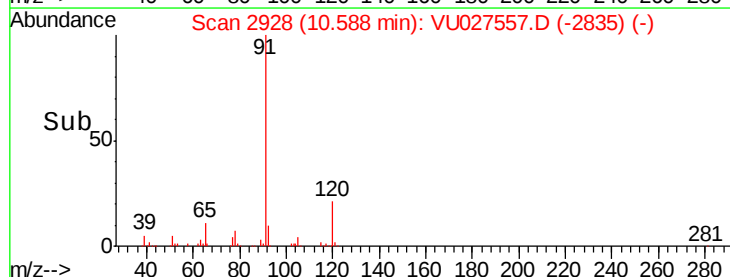
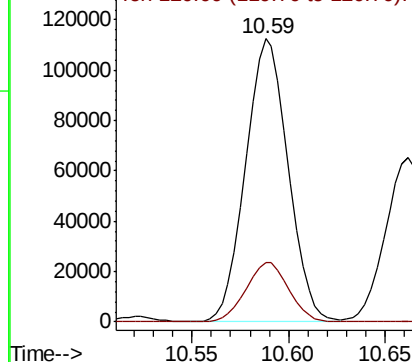
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8

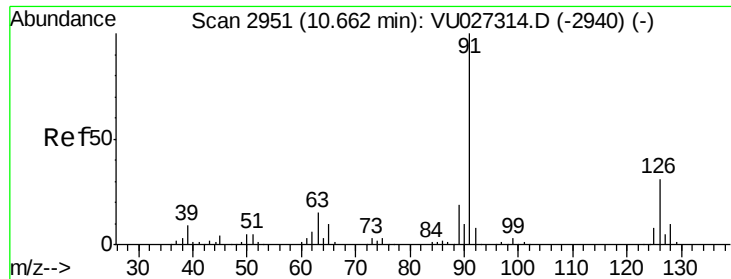


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





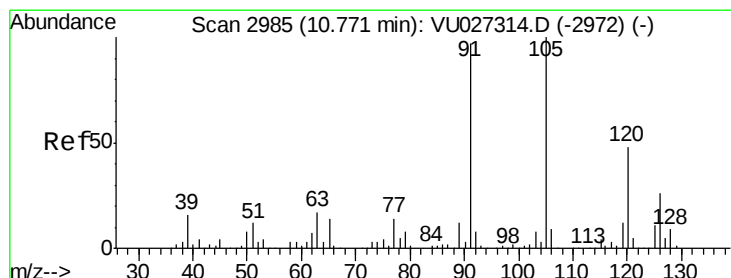
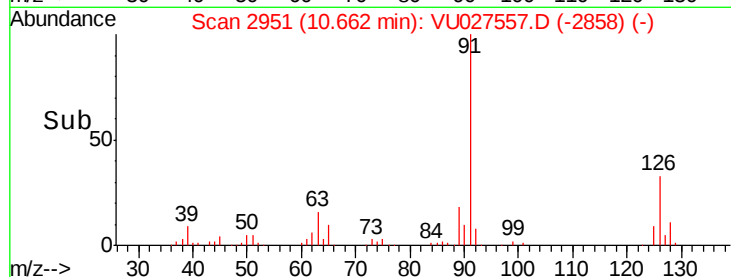
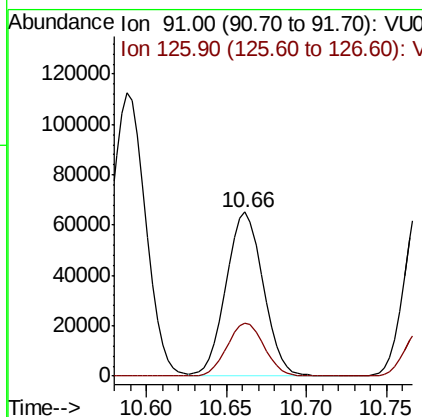
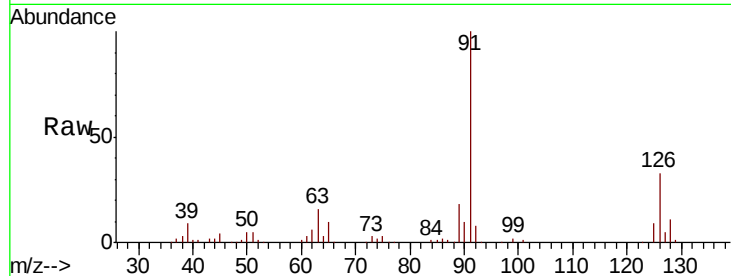
#79
2-Chlorotoluene
Concen: 19.494 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion: 91 Resp: 102843
Ion Ratio Lower Upper
91 100
126 32.7 15.7 47.1

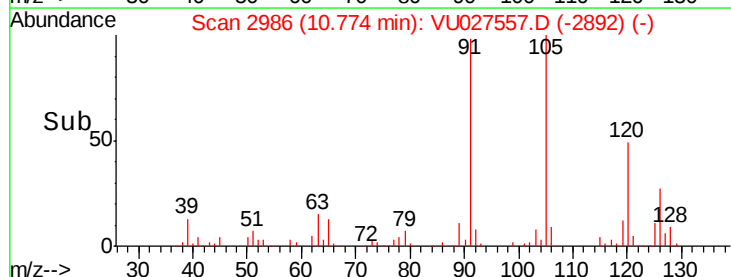
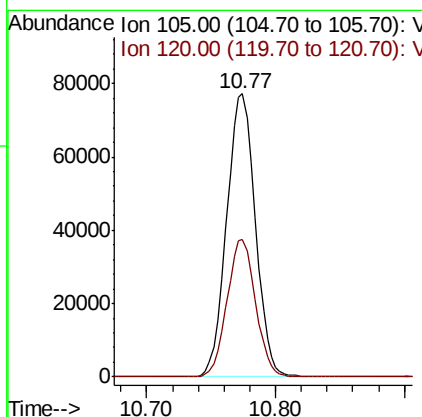
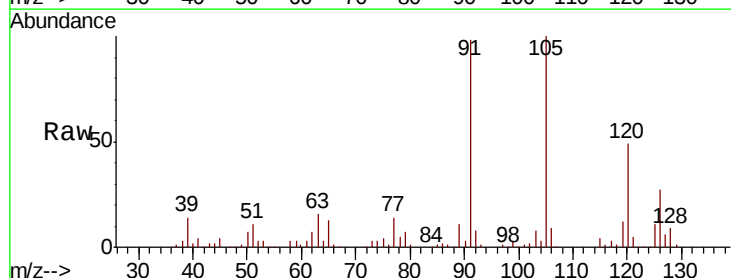
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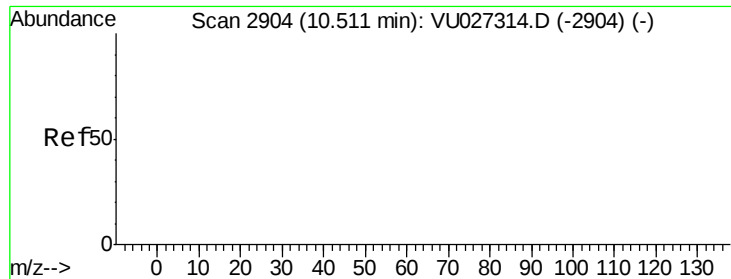
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 20.136 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion: 105 Resp: 119206
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.333 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027557.D

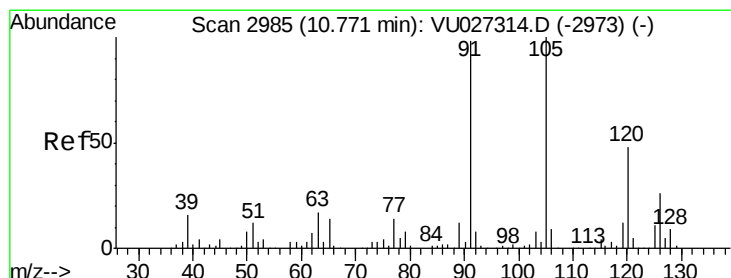
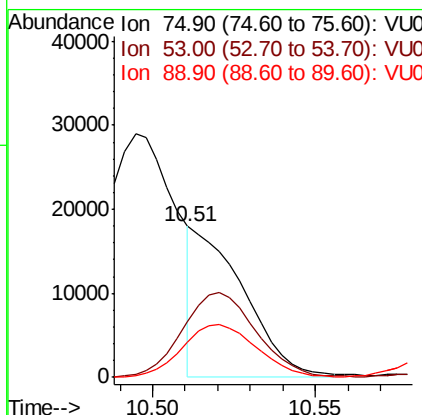
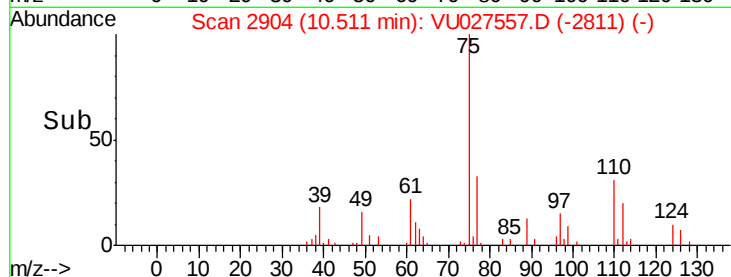
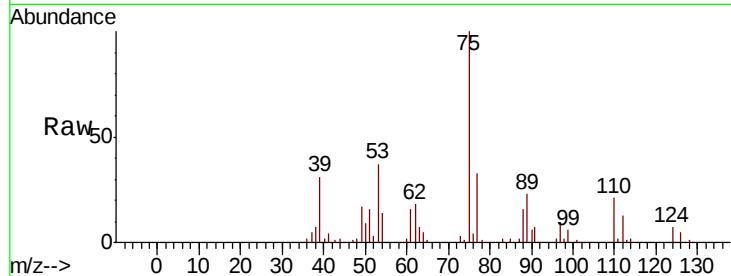
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

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

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#82

4-Chlorotoluene

Concen: 19.567 ug/l

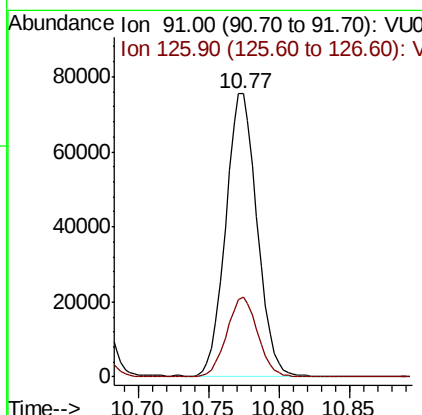
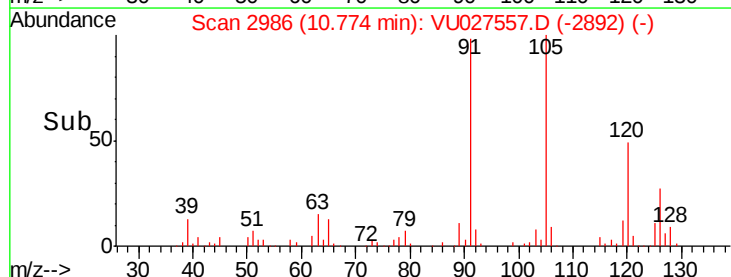
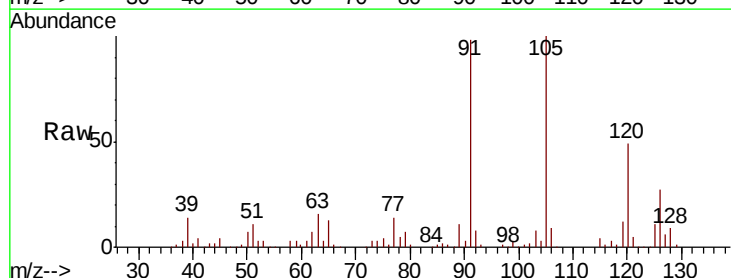
RT: 10.77 min Scan# 2986

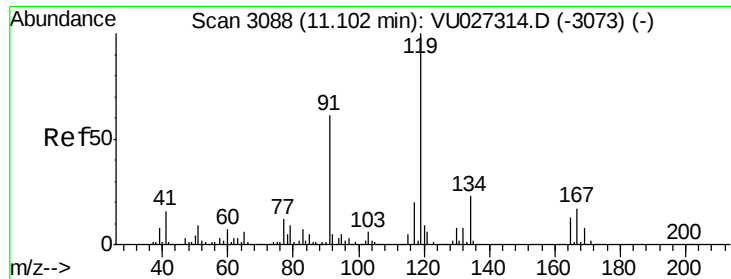
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.6	40.8





#83

tert-Butylbenzene

Concen: 20.219 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

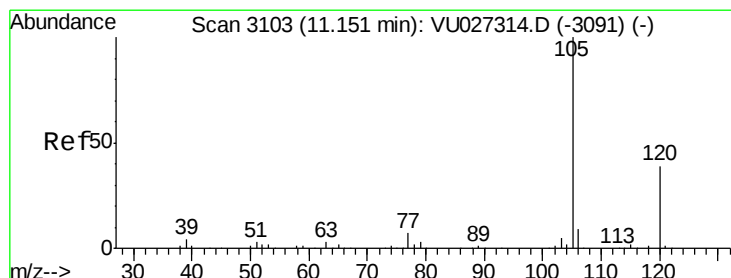
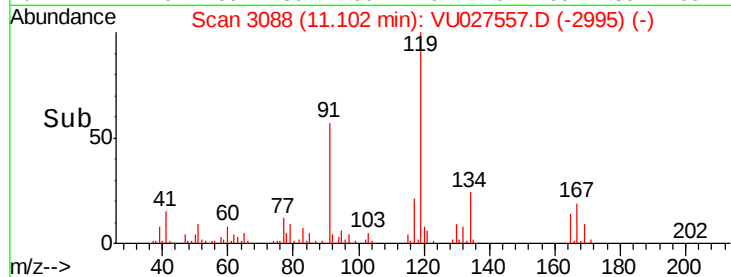
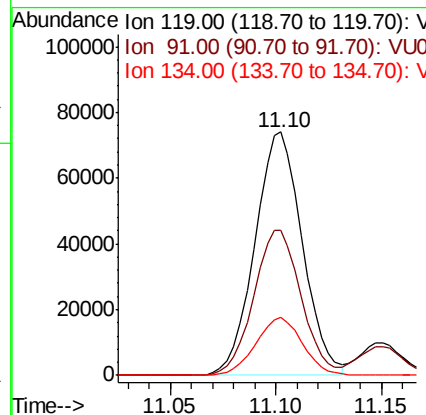
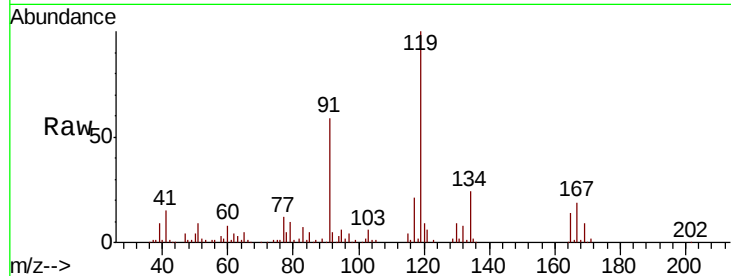
ClientSampleId :

VU1010WBS02

Tot Ion:	119	Resp:	115719
Ion Ratio	Lower	Upper	
119	100		
91	59.3	30.3	91.0
134	23.4	11.5	34.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.982 ug/l

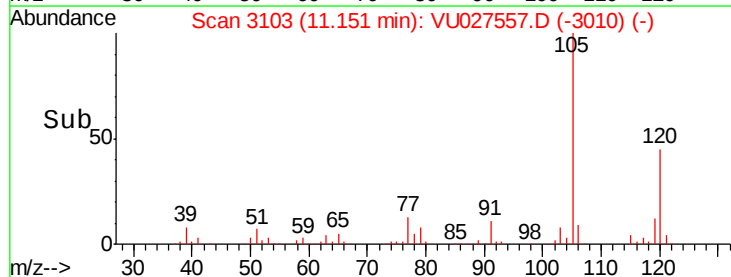
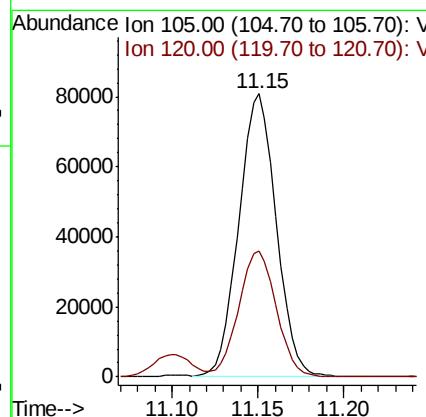
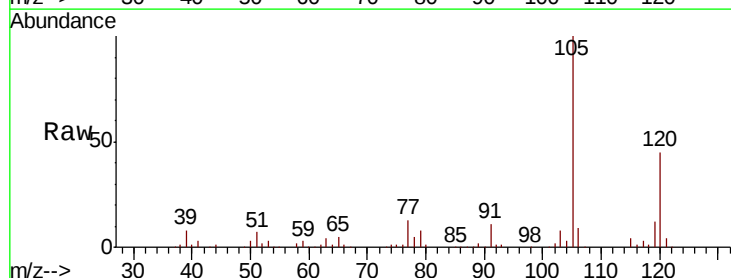
RT: 11.15 min Scan# 3103

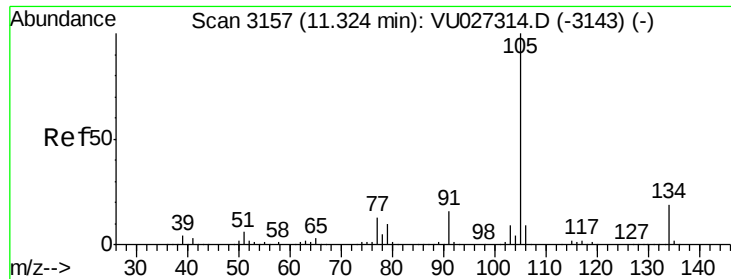
Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	105	Resp:	120842
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 20.140 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS02

Tot Ion:105 Resp: 145232

Ion Ratio Lower Upper

105 100

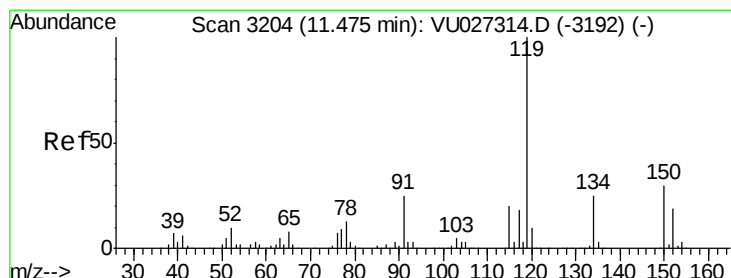
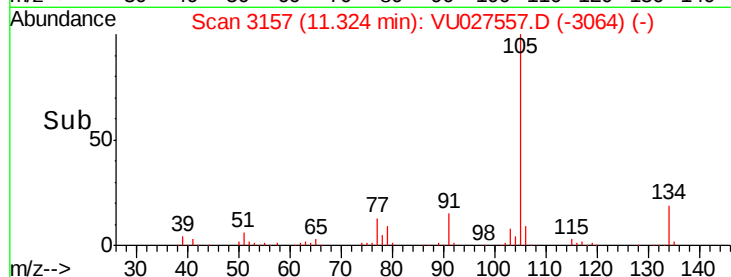
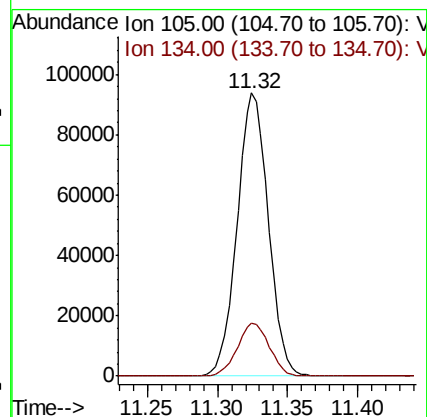
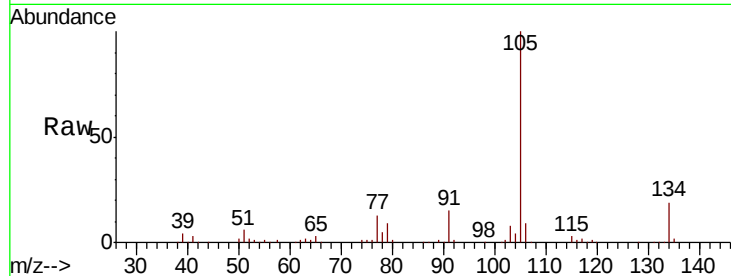
134 19.1 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 20.287 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

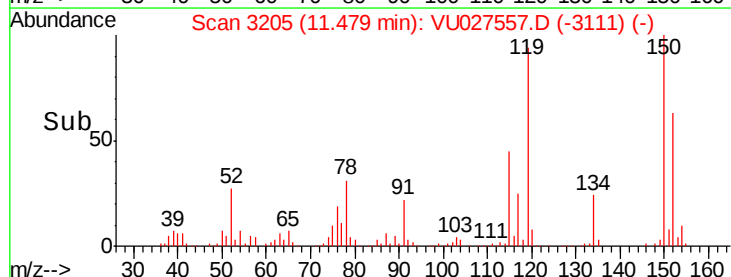
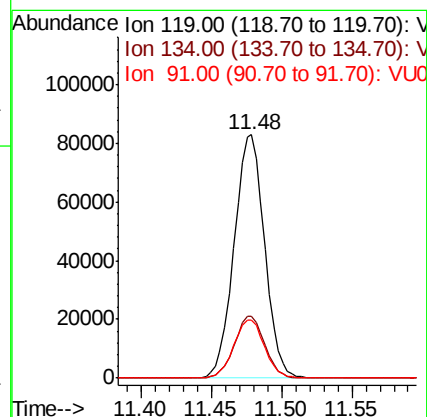
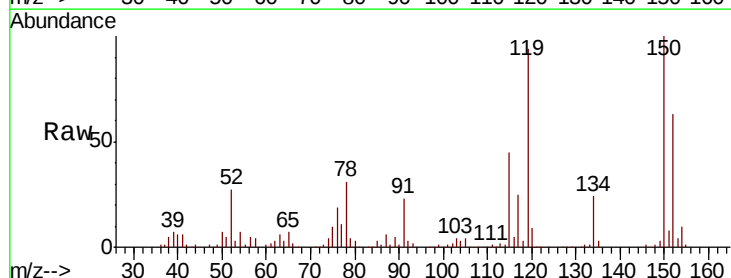
Tgt Ion:119 Resp: 125259

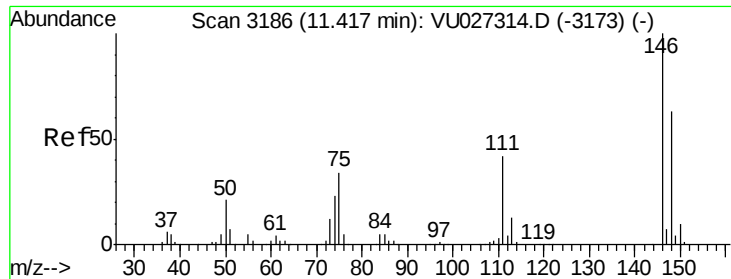
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.2 12.2 36.4





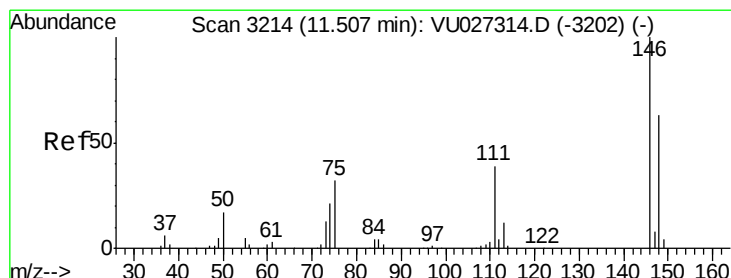
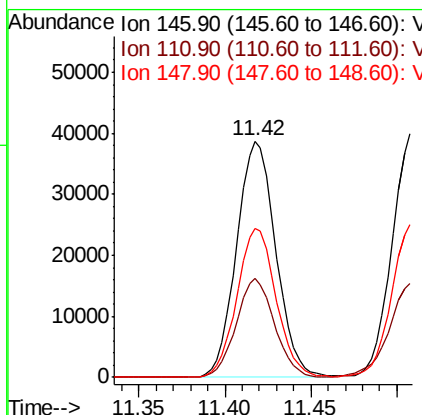
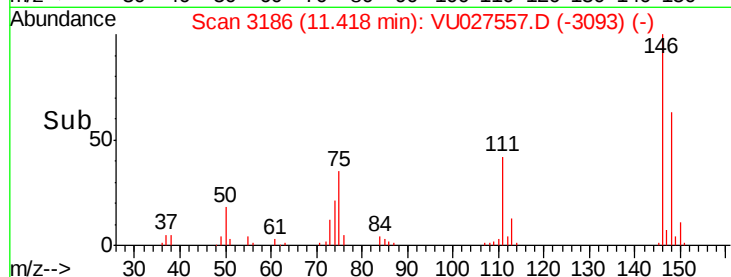
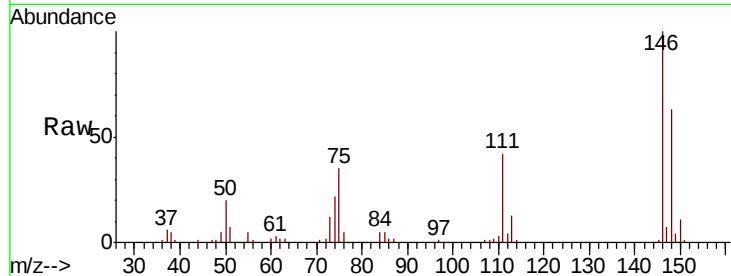
#87
 1,3-Dichlorobenzene
 Concen: 19.124 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.5
148	63.0	31.6	94.8

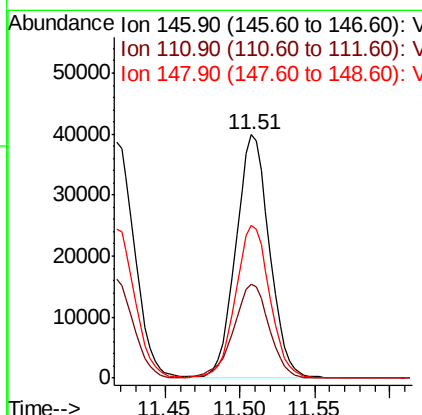
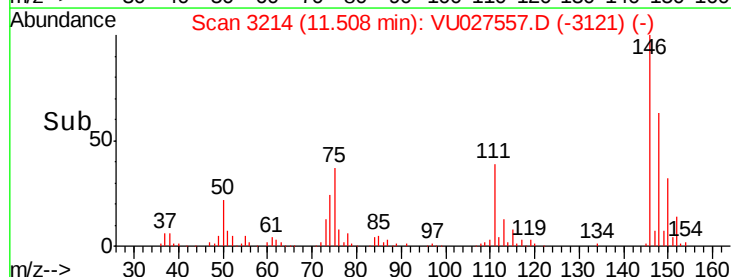
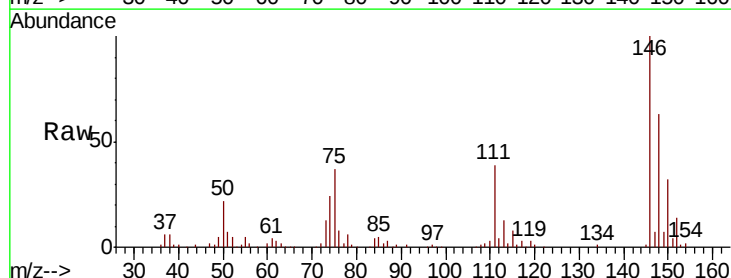
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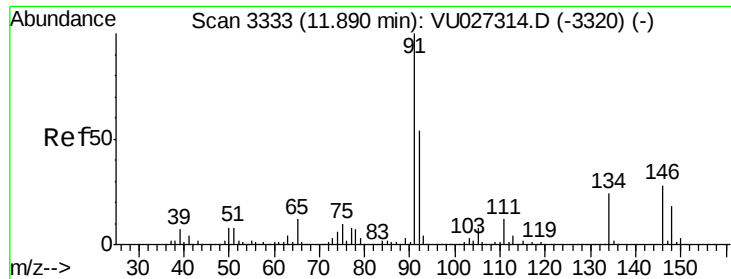
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#88
 1,4-Dichlorobenzene
 Concen: 19.092 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	64.1	31.9	95.5





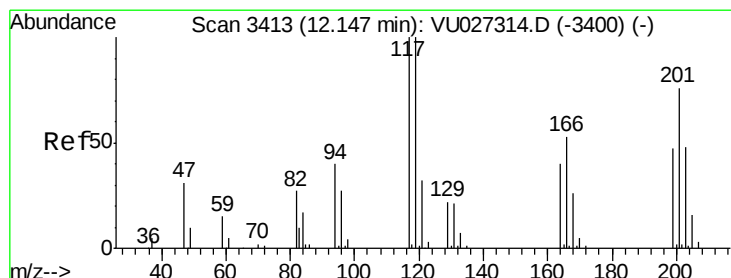
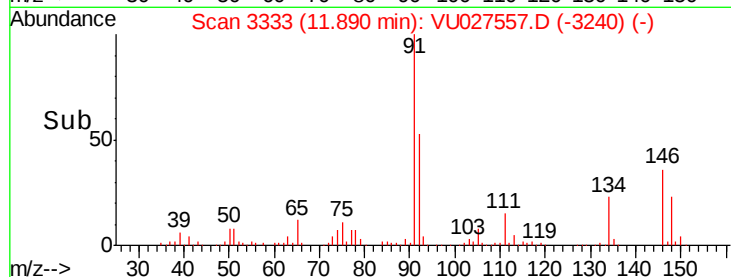
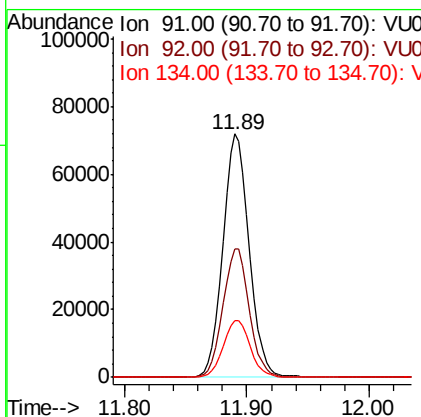
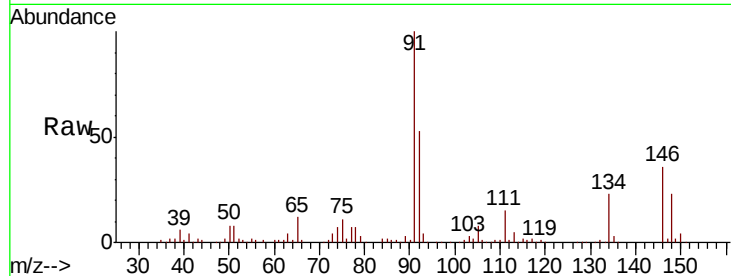
#89
n-Butylbenzene
Concen: 17.909 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	81.0
134	24.0	11.7	35.1

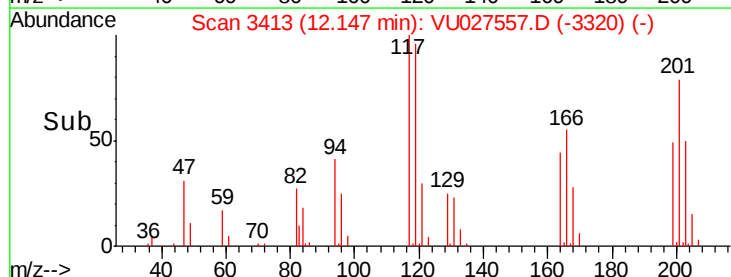
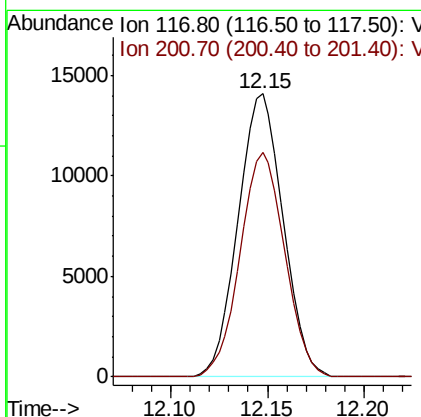
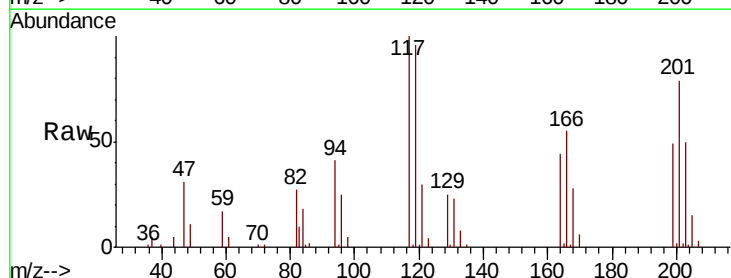
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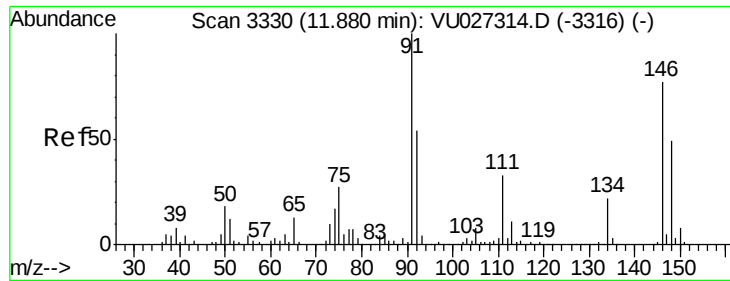
MMDadoda
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#90
Hexachloroethane
Concen: 19.566 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027557.D
Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	37.9	113.6





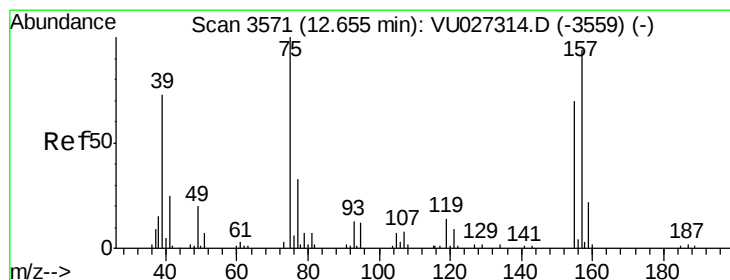
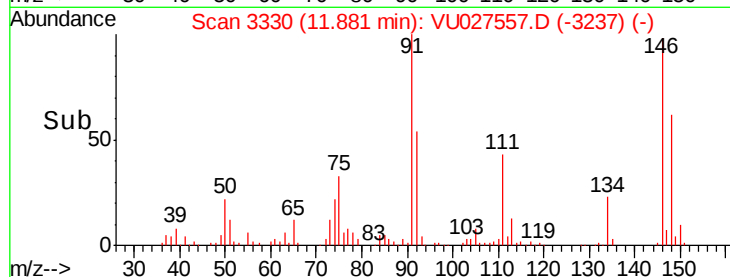
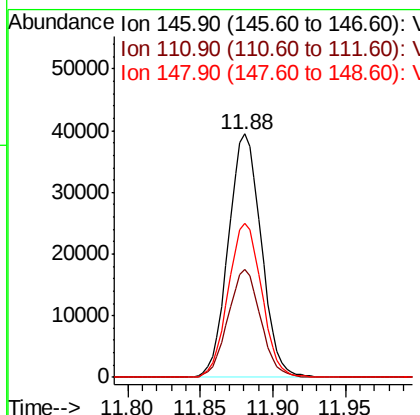
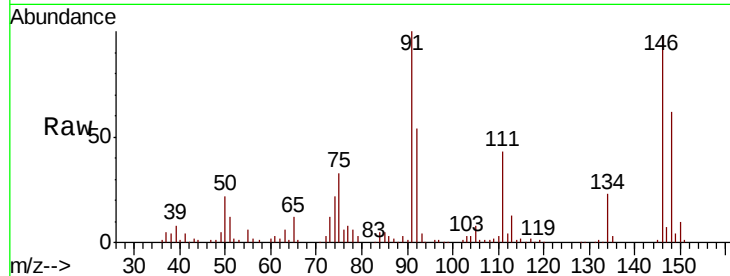
#91
 1,2-Dichlorobenzene
 Concen: 19.965 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.4
148	64.3	31.9	95.5

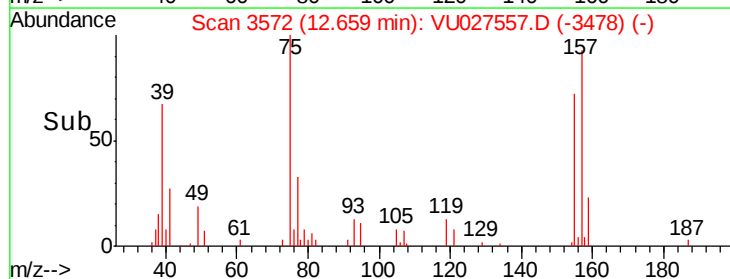
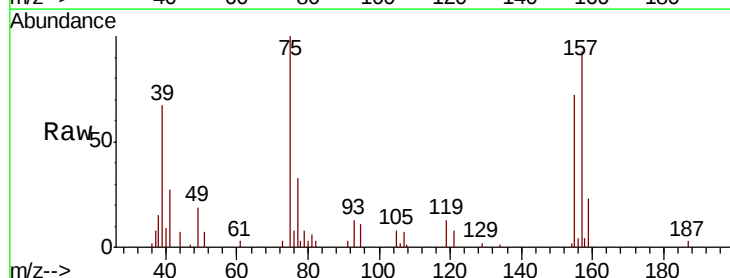
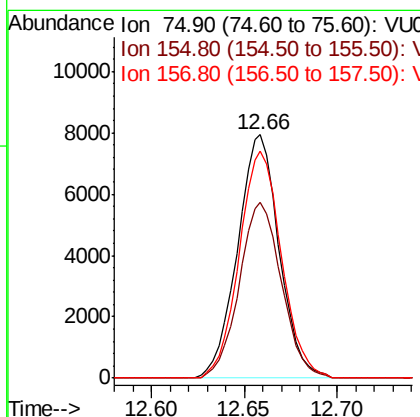
Manual Integrations
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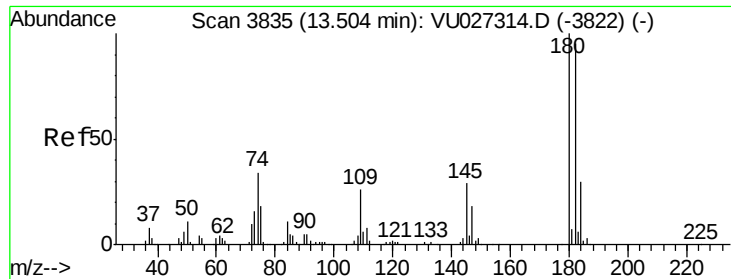
MMDadoda
 10/11/2018 9:01:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.501 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.9	107.8
157	94.6	46.9	140.6





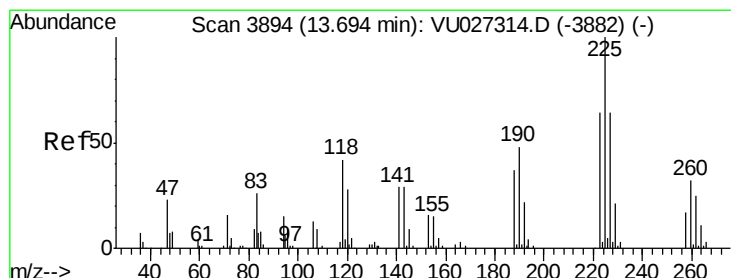
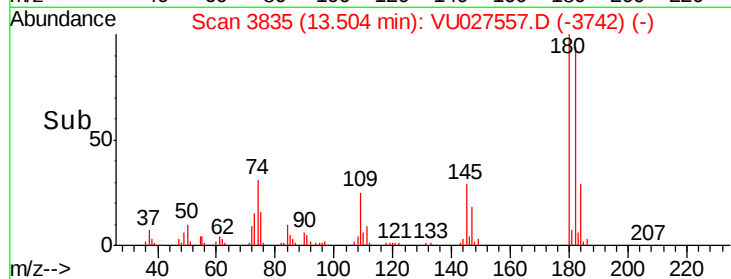
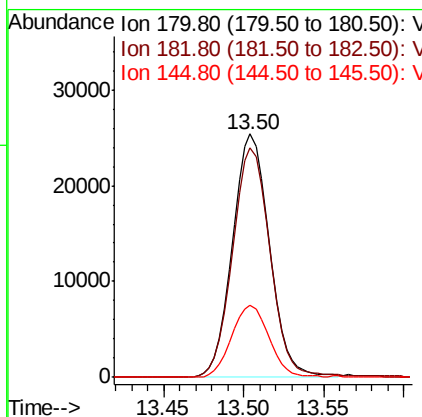
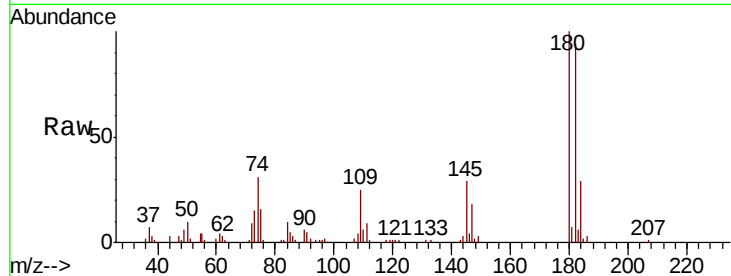
#93
 1,2,4-Trichlorobenzene
 Concen: 19.865 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	29.8	14.6	44.0

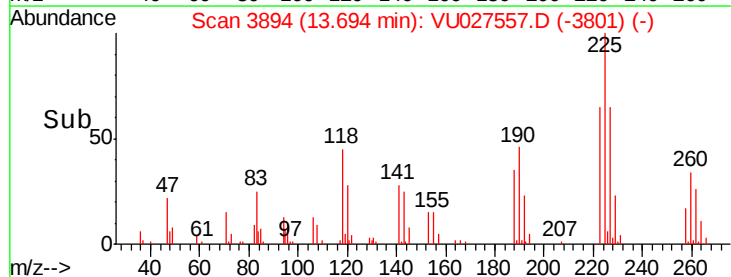
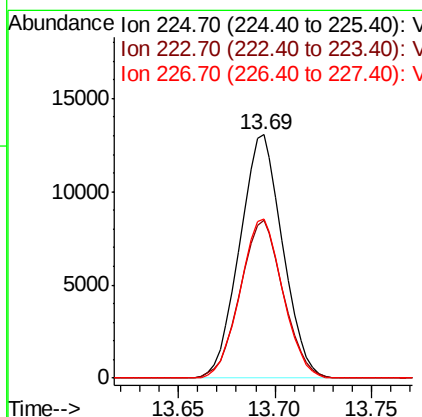
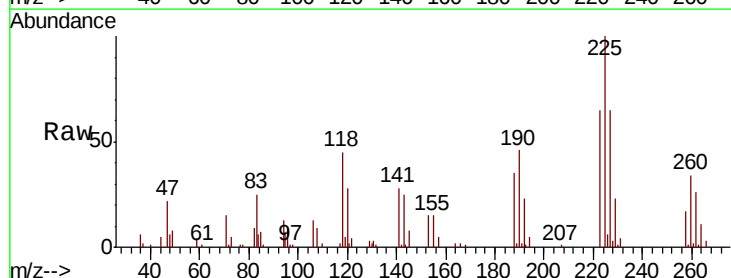
Manual Integrations
 APPROVED

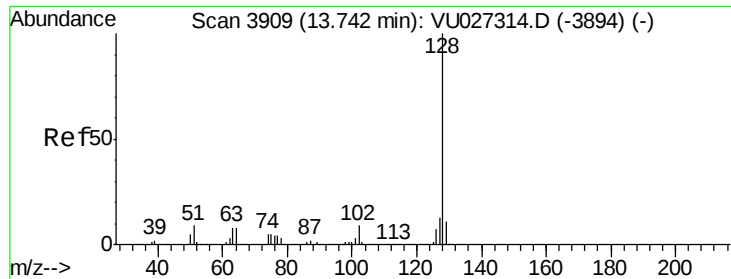
MMDadoda
 10/11/2018 9:01:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.833 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027557.D
 Acq: 10 Oct 2018 09:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	31.8	95.3
227	64.7	31.9	95.7





#95

Naphthalene

Concen: 19.000 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Instrument :

MSVOA_U

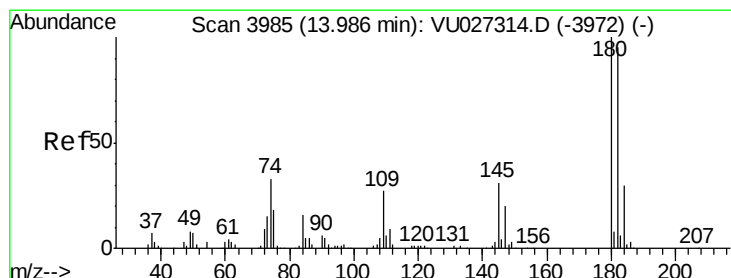
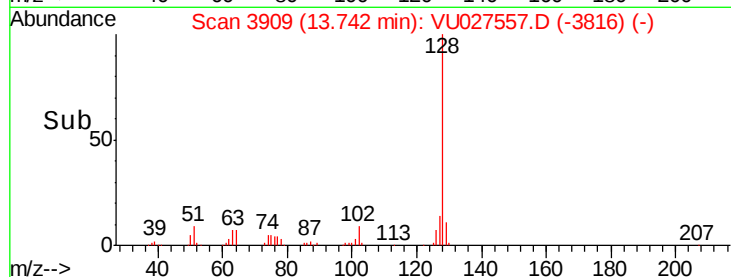
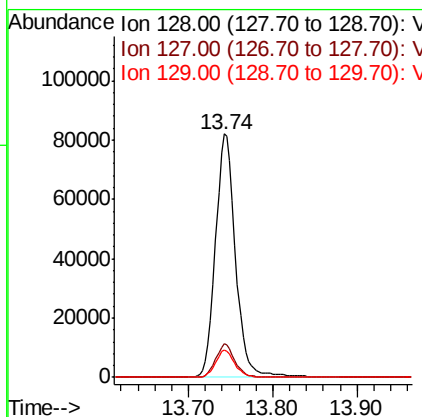
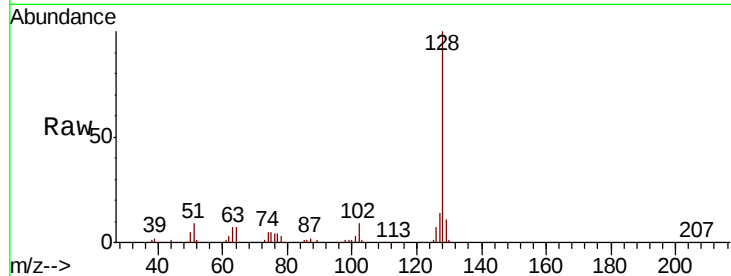
ClientSampleId :

VU1010WBS02

Tot Ion:	128	Resp:	135760
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/11/2018 9:01:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.171 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027557.D

Acq: 10 Oct 2018 09:06

Tgt Ion:	180	Resp:	42354
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	30.0	15.9	47.7

