

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027315.D
 Acq On : 01 Oct 2018 11:39
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:41:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	121196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	206088	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	101978	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	192307	100.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	200.00%	
35) Dibromofluoromethane	4.88	113	138461	102.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	204.46%	
50) Toluene-d8	7.57	98	543994	102.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	205.84%	
62) 4-Bromofluorobenzene	10.31	95	203728	105.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	210.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	191527	109.613	ug/l	99
3) Chloromethane	1.33	50	238053	100.631	ug/l	100
4) Vinyl Chloride	1.40	62	236150	106.196	ug/l	100
5) Bromomethane	1.60	94	97186	101.003	ug/l	99
6) Chloroethane	1.68	64	130085	97.351	ug/l	99
7) Trichlorofluoromethane	1.88	101	231718	102.699	ug/l	99
8) Diethyl Ether	2.10	74	105809	101.802	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	134849	102.913	ug/l	99
10) Methyl Iodide	2.41	142	122567	128.496	ug/l	99
11) Tert butyl alcohol	2.83	59	211956	497.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	131007	102.334	ug/l	97
13) Acrolein	2.19	56	173892	486.274	ug/l	99
14) Allyl chloride	2.59	41	314099	103.321	ug/l	99
15) Acrylonitrile	2.94	53	567738	511.841	ug/l	99
16) Acetone	2.32	43	547488	457.935	ug/l	100
17) Carbon Disulfide	2.47	76	467289	101.207	ug/l	100
18) Methyl Acetate	2.61	43	265169	97.225	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	531662	103.648	ug/l	99
20) Methylene Chloride	2.70	84	163537	98.200	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	148089	103.034	ug/l	97
22) Diisopropyl ether	3.57	45	643511	104.147	ug/l	99
23) Vinyl Acetate	3.52	43	2871119	532.076	ug/l	100
24) 1,1-Dichloroethane	3.44	63	325557	102.491	ug/l	100
25) 2-Butanone	4.26	43	830862	509.627	ug/l	99
26) 2,2-Dichloropropane	4.23	77	260268	99.717	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	168897	102.757	ug/l	99
28) Bromochloromethane	4.55	49	152639	99.601	ug/l	99
29) Tetrahydrofuran	4.64	42	529195	515.053	ug/l	99
30) Chloroform	4.67	83	287638	101.921	ug/l	100
31) Cyclohexane	5.00	56	320234	86.210	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	246109	103.544	ug/l	100
36) 1,1-Dichloropropene	5.14	75	229367	102.504	ug/l	99
37) Ethyl Acetate	4.38	43	299794	108.651	ug/l	99
38) Carbon Tetrachloride	5.13	117	209403	103.598	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	280633	107.287	ug/l	99
40) Benzene	5.39	78	668182	102.513	ug/l	99
41) Methacrylonitrile	4.54	41	170858	104.528	ug/l	99
42) 1,2-Dichloroethane	5.40	62	248837	102.849	ug/l	99
43) Isopropyl Acetate	5.55	43	476181	106.018	ug/l	100
44) Trichloroethene	6.19	130	151008	103.900	ug/l	98
45) 1,2-Dichloropropane	6.43	63	195091	103.771	ug/l	97
46) Dibromomethane	6.56	93	112584	106.031	ug/l	99
47) Bromodichloromethane	6.76	83	230036	104.408	ug/l	100
48) Methyl methacrylate	6.62	41	244864	109.629	ug/l	99
49) 1,4-Dioxane	6.61	88	82986	2159.398	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1565015	536.217	ug/l	99
52) Toluene	7.64	92	406801	105.445	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	283114	109.596	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	299264	107.763	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	159544	104.303	ug/l	99
56) Ethyl methacrylate	8.02	69	290957	114.615	ug/l	99
57) 1,3-Dichloropropane	8.24	76	310072	104.422	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	803331	566.471	ug/l	100
59) 2-Hexanone	8.36	43	1220756	539.192	ug/l	99
60) Dibromochloromethane	8.48	129	166384	108.455	ug/l	100
61) 1,2-Dibromoethane	8.59	107	170205	104.656	ug/l	100
64) Tetrachloroethene	8.23	164	124455	100.999	ug/l	98
65) Chlorobenzene	9.12	112	422746	101.461	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	150389	104.555	ug/l	99
67) Ethyl Benzene	9.25	91	790090	107.029	ug/l	100
68) m/p-Xylenes	9.38	106	581986	215.533	ug/l	100
69) o-Xylene	9.78	106	281723	109.791	ug/l	100
70) Styrene	9.79	104	476720	113.135	ug/l	100
71) Bromoform	9.96	173	124826	107.864	ug/l #	99
73) Isopropylbenzene	10.17	105	769014	103.829	ug/l	100
74) N-amyl acetate	10.02	43	455687	107.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	283737	97.564	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	243583m	85.679	ug/l	
77) Bromobenzene	10.45	156	174528	101.393	ug/l	99
78) n-propylbenzene	10.59	91	940919	105.723	ug/l	100
79) 2-Chlorotoluene	10.66	91	542071	100.876	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	644557	106.891	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	103795m	94.091	ug/l	
82) 4-Chlorotoluene	10.77	91	639016	104.790	ug/l	99
83) tert-Butylbenzene	11.10	119	619751	106.314	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	660515	107.233	ug/l	100
85) sec-Butylbenzene	11.32	105	793890	108.087	ug/l	99
86) p-Isopropyltoluene	11.48	119	683999	108.765	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	329603	101.125	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	330866	99.339	ug/l	100
89) n-Butylbenzene	11.89	91	672370	114.620	ug/l	100
90) Hexachloroethane	12.15	117	125450	105.830	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	327538	103.239	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	66881	103.766	ug/l	98

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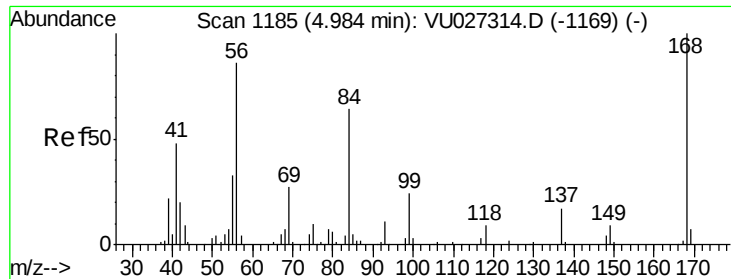
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	227826	110.979	ug/l	99
94) Hexachlorobutadiene	13.69	225	109118	105.204	ug/l	99
95) Naphthalene	13.74	128	775779	112.717	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	227943	106.578	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: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 121196

Ion Ratio Lower Upper

168 100

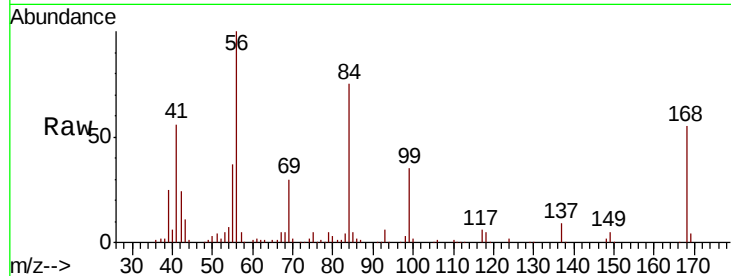
99 62.2 50.8 76.2

Manual Integrations

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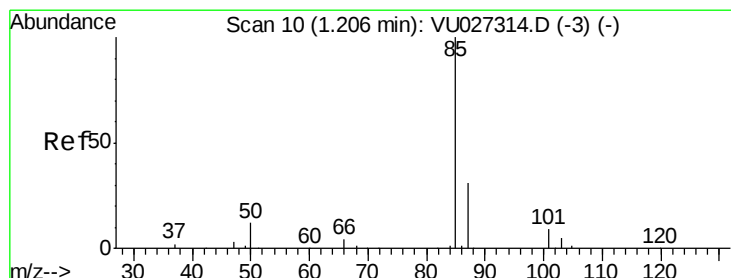
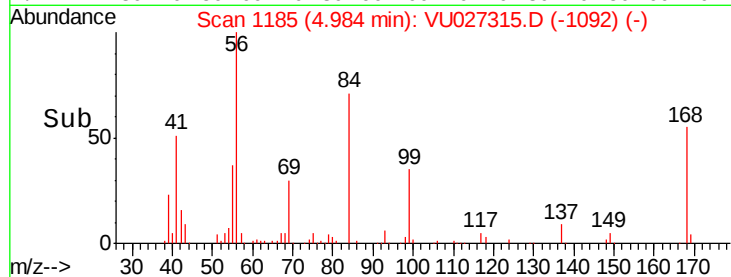
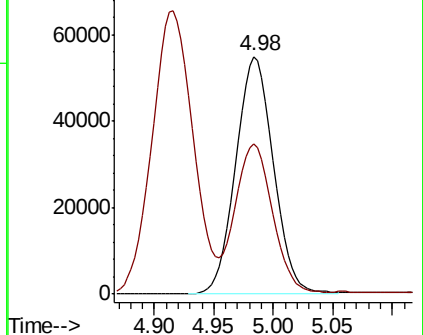
MMDadoda

10/3/2018 11:41:43 AM



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

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



#2

Dichlorodifluoromethane

Concen: 109.613 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU027315.D

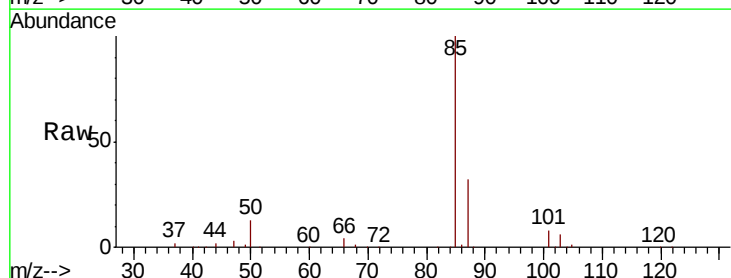
Acq: 01 Oct 2018 11:39

Tgt Ion: 85 Resp: 191527

Ion Ratio Lower Upper

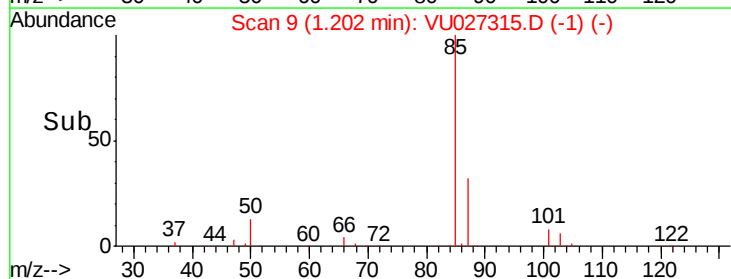
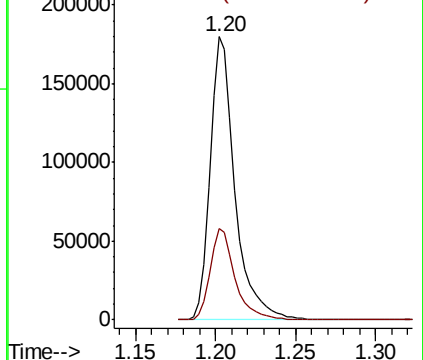
85 100

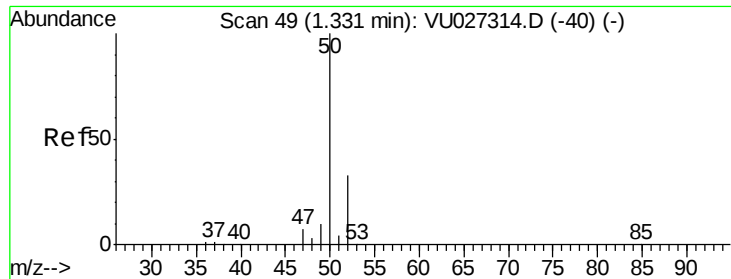
87 32.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027315.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU027315.D (-1) (-)





#3

Chloromethane

Concen: 100.631 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 238053

Ion Ratio Lower Upper

50 100

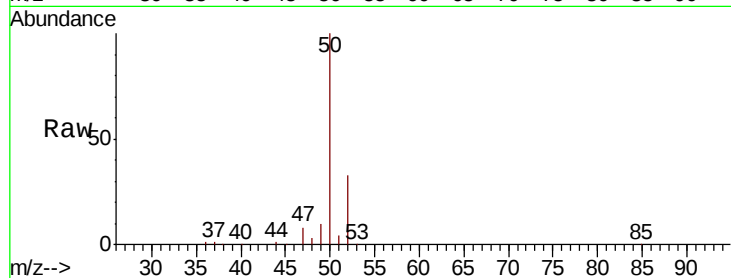
52 32.9 26.5 39.7

Manual Integrations

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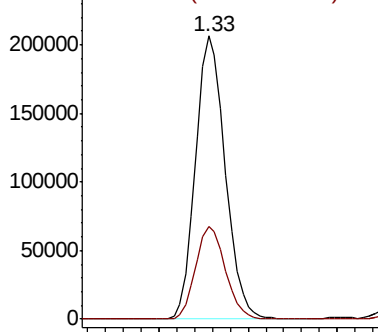
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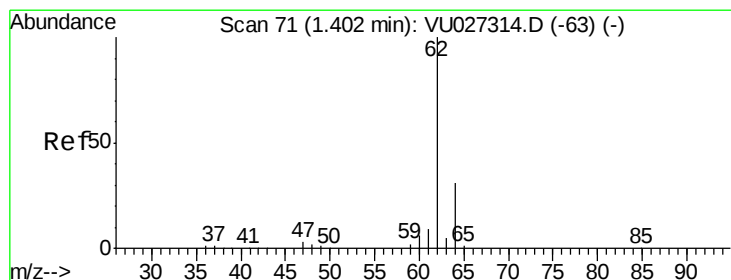
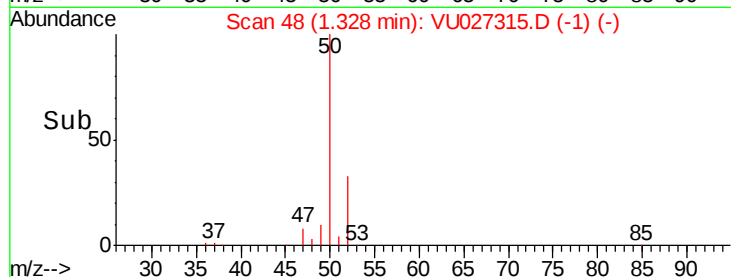


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 106.196 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027315.D

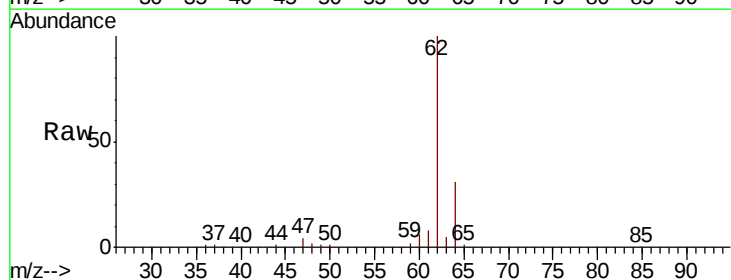
Acq: 01 Oct 2018 11:39

Tgt Ion: 62 Resp: 236150

Ion Ratio Lower Upper

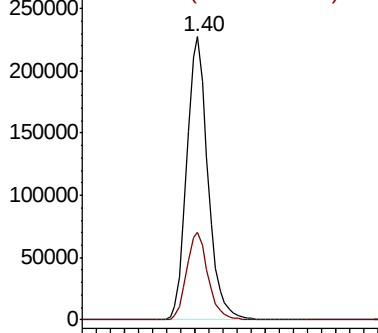
62 100

64 31.1 24.9 37.3

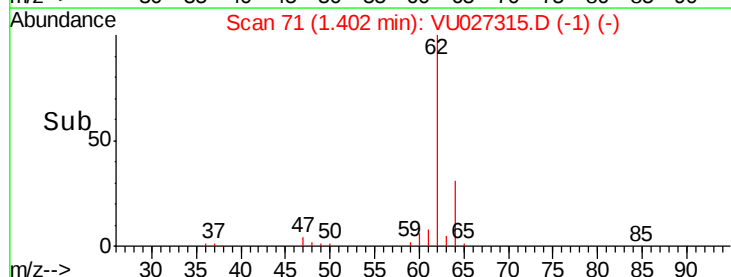


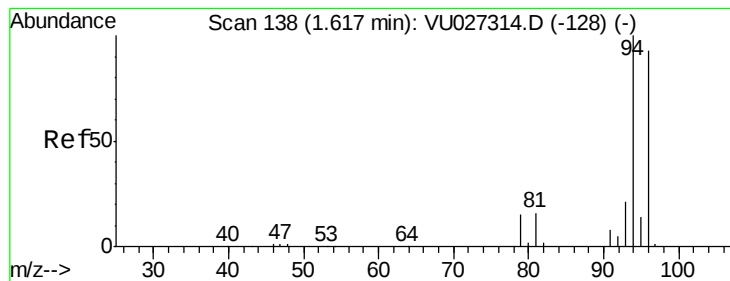
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 101.003 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 97186

Ion Ratio Lower Upper

94 100

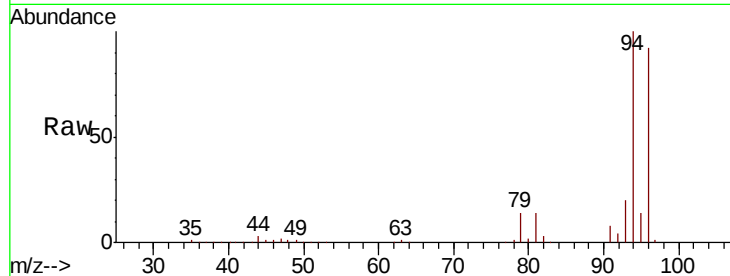
96 92.1 74.6 111.8

Manual Integrations

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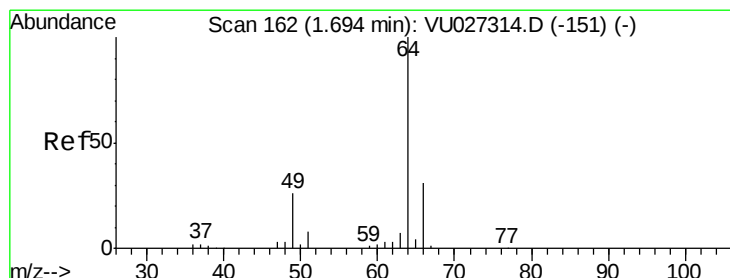
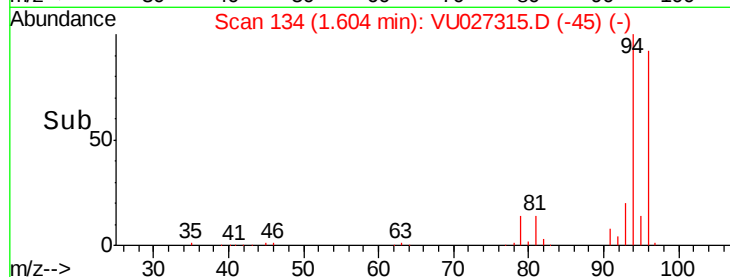
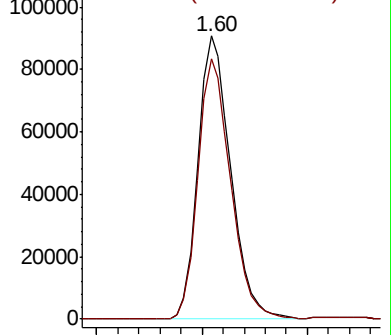
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 97.351 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU027315.D

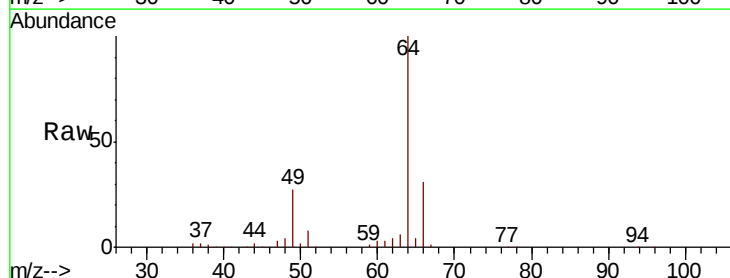
Acq: 01 Oct 2018 11:39

Tgt Ion: 64 Resp: 130085

Ion Ratio Lower Upper

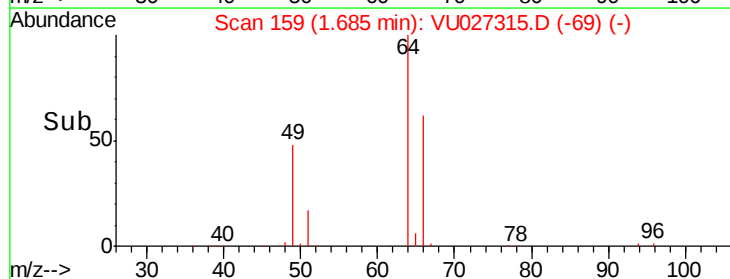
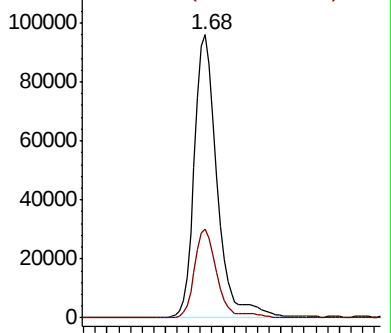
64 100

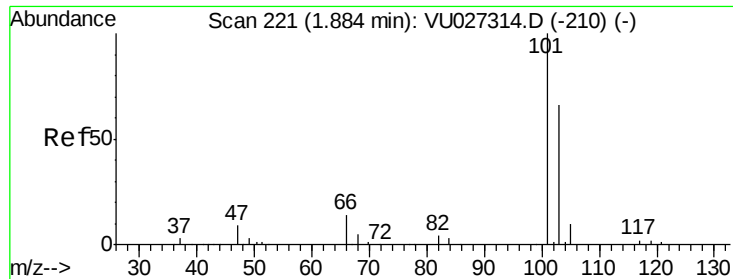
66 31.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

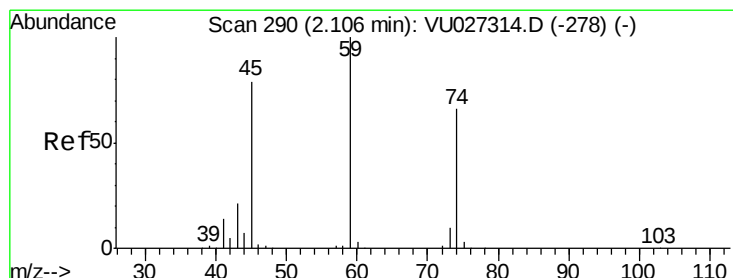
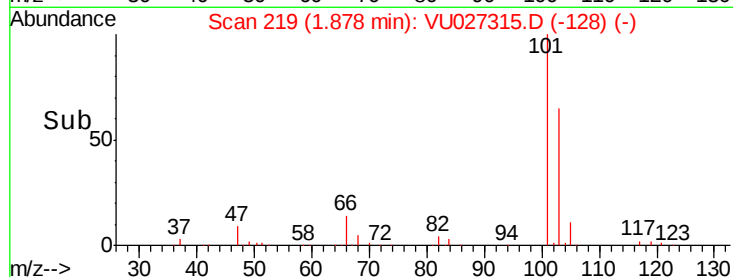
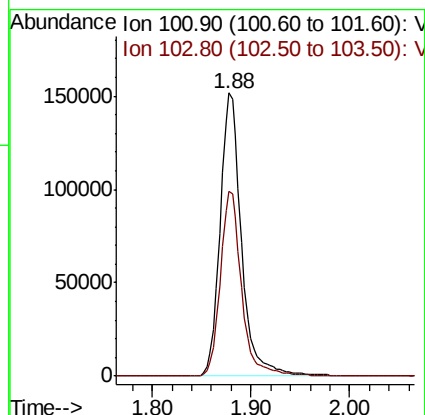
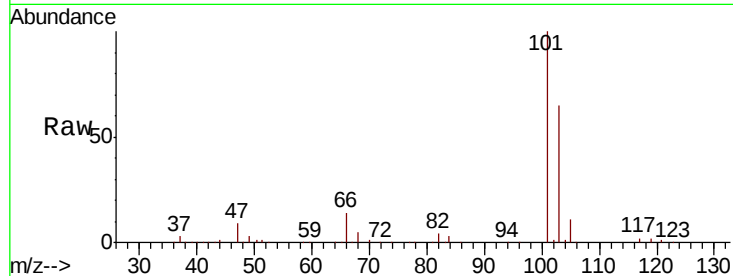
Trichlorofluoromethane
Concen: 102.699 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		231718		
103	65.2	52.6	78.8		

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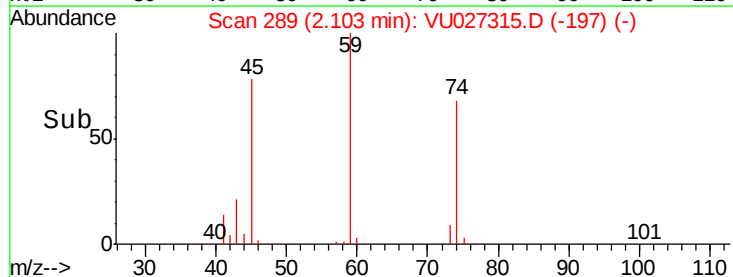
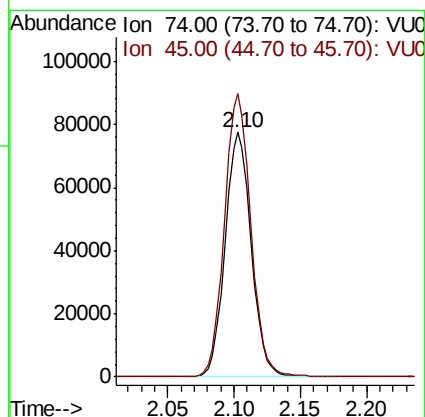
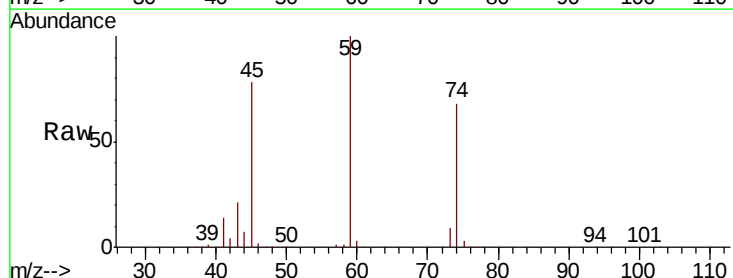
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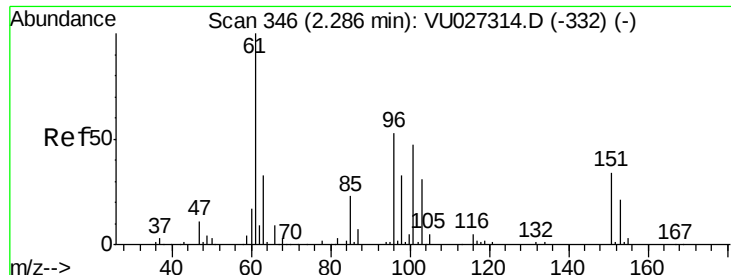


#8

Diethyl Ether
Concen: 101.802 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		105809		
45	116.4	60.4	181.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.913 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

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MSVOA_U

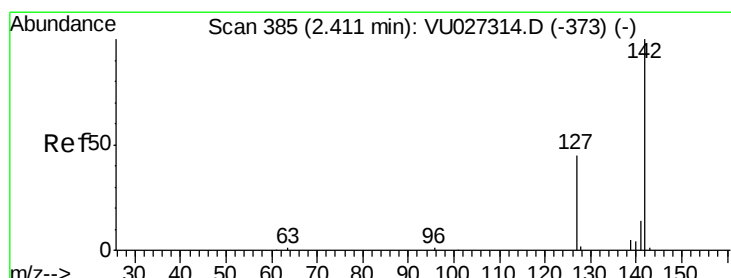
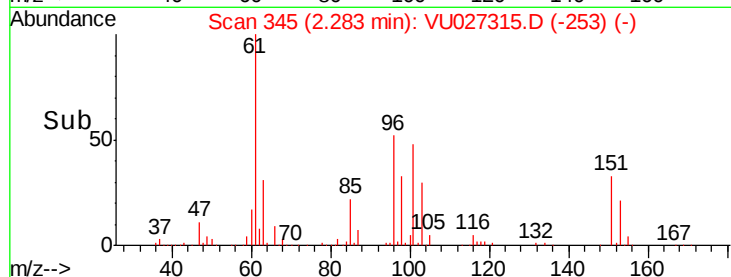
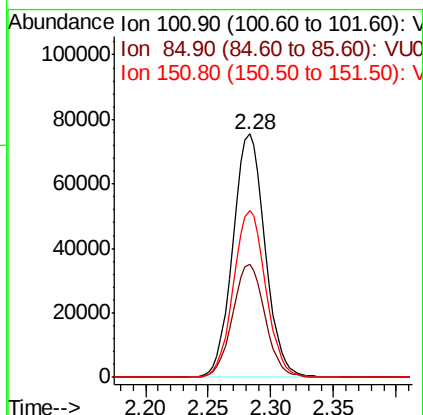
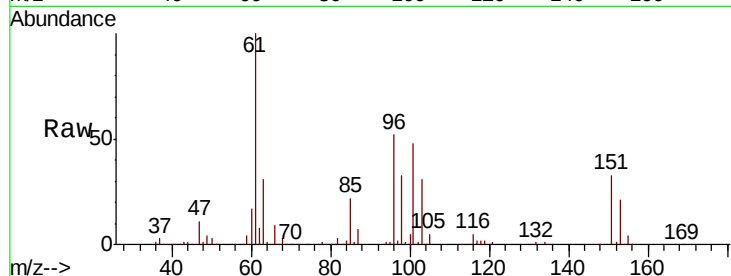
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	134849
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.5	56.3
151	68.8	55.6	83.4

Manual Integrations
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10/3/2018 11:41:43 AM



#10

Methyl Iodide

Concen: 128.496 ug/l

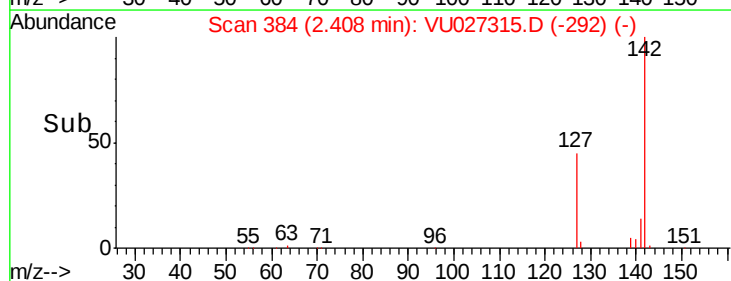
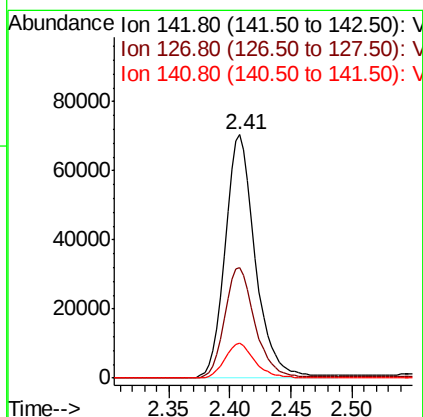
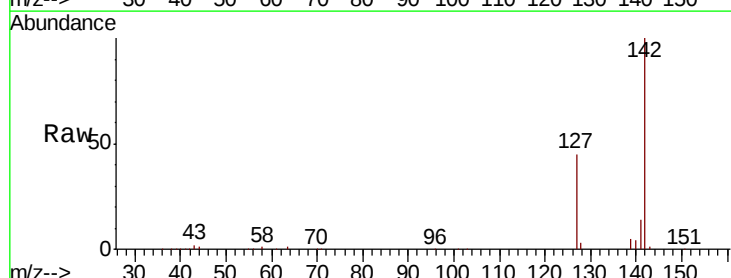
RT: 2.41 min Scan# 384

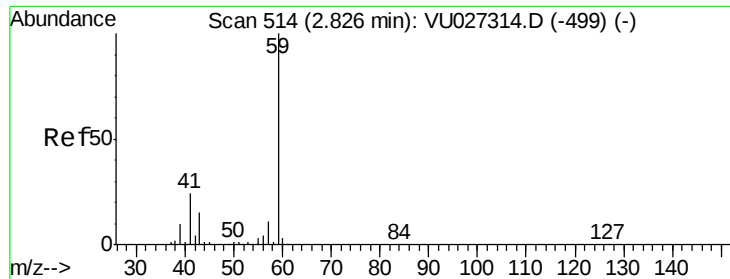
Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion:	142	Resp:	122567
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.3	54.5
141	14.3	11.6	17.4





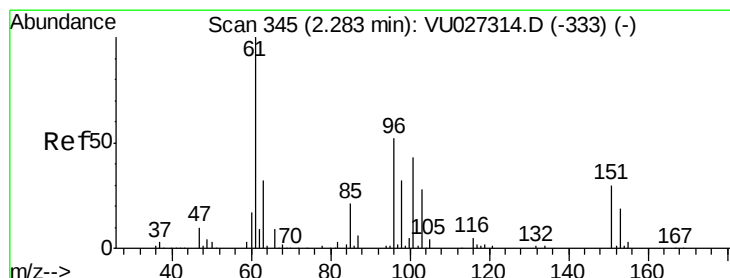
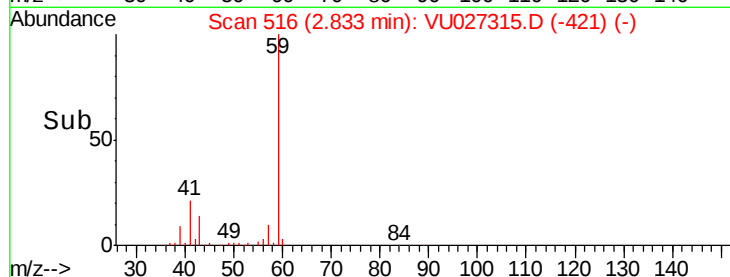
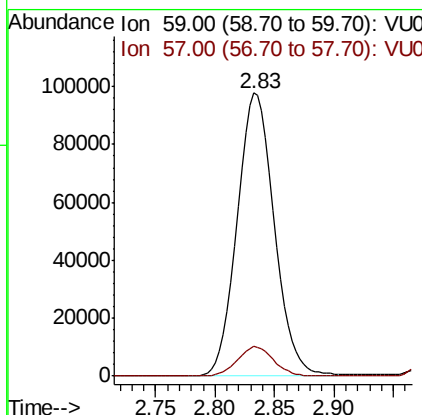
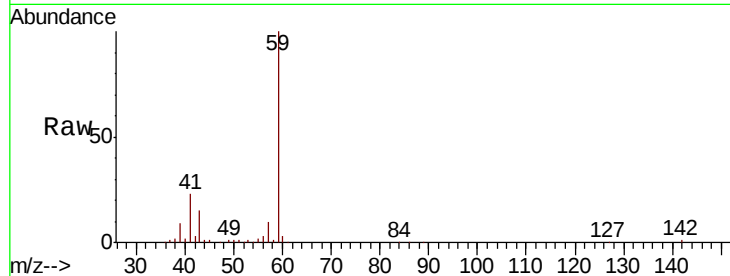
#11
Tert butyl alcohol
Concen: 497.350 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

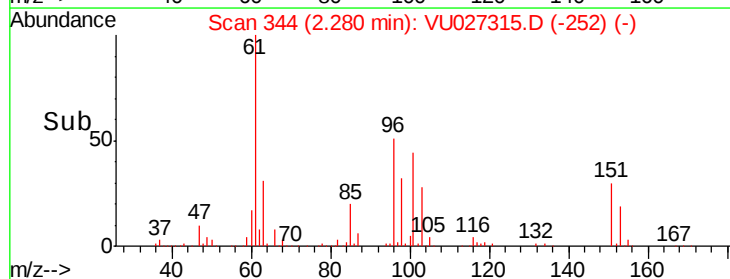
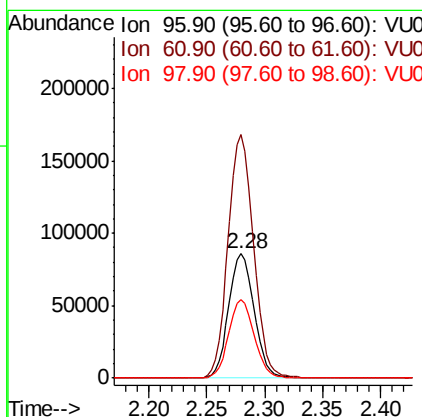
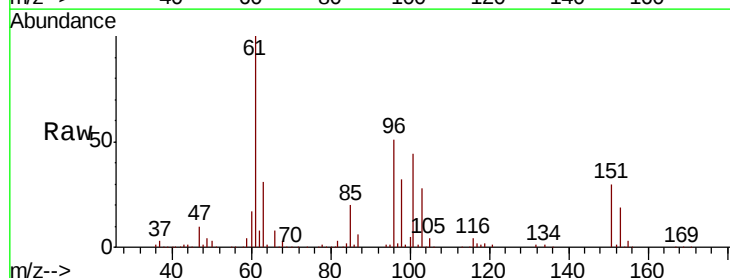
Manual Integrations
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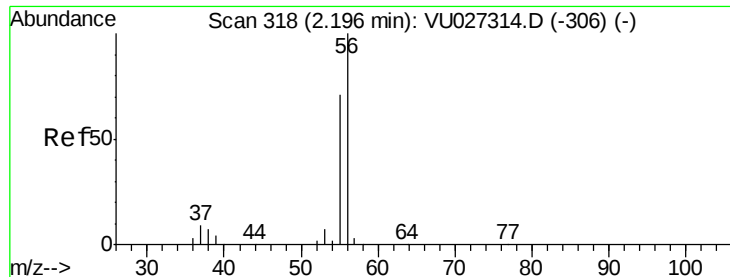
MMDadoda
10/3/2018 11:41:43 AM



#12
1,1-Dichloroethene
Concen: 102.334 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.5	153.0	229.6
98	63.1	49.3	73.9





#13

Acrolein

Concen: 486.274 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 173892

Ion Ratio Lower Upper

56 100

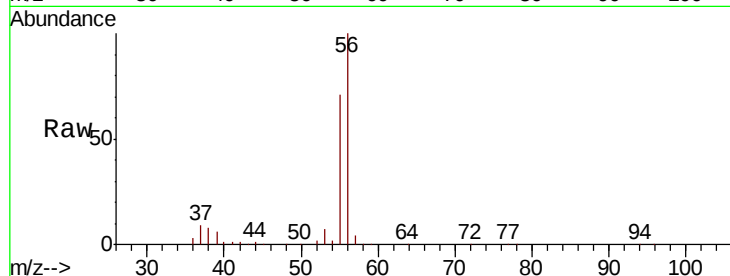
55 71.1 57.7 86.5

Manual Integrations

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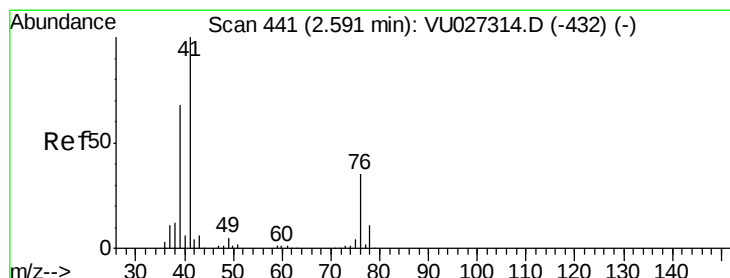
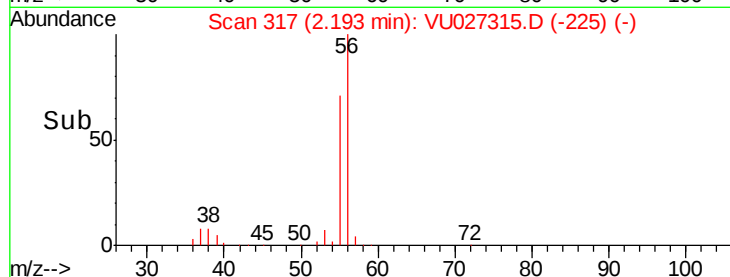
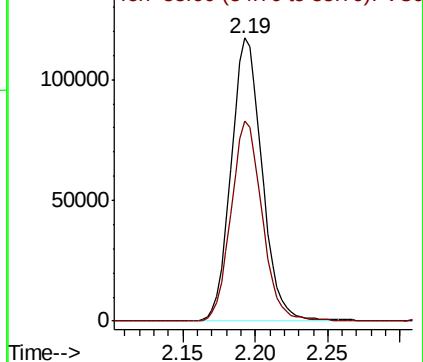
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 103.321 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

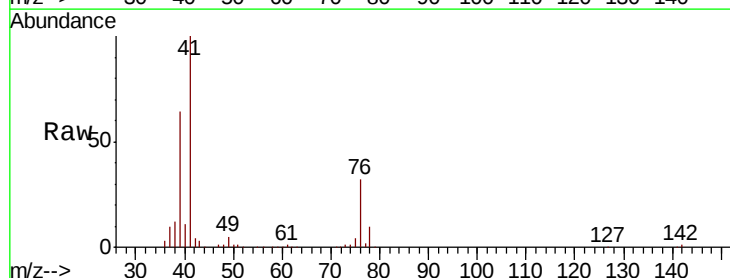
Tgt Ion: 41 Resp: 314099

Ion Ratio Lower Upper

41 100

39 64.4 51.8 77.8

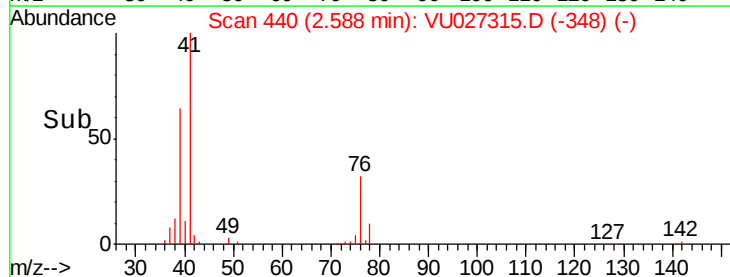
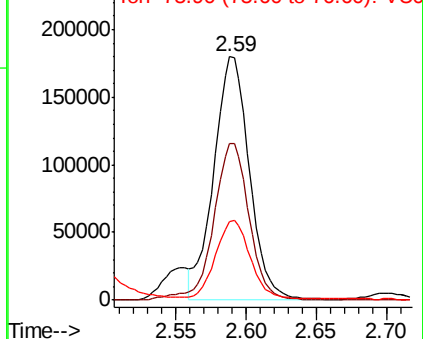
76 31.7 25.9 38.9

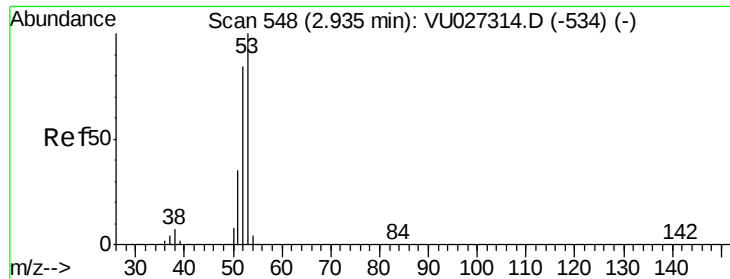


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 511.841 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

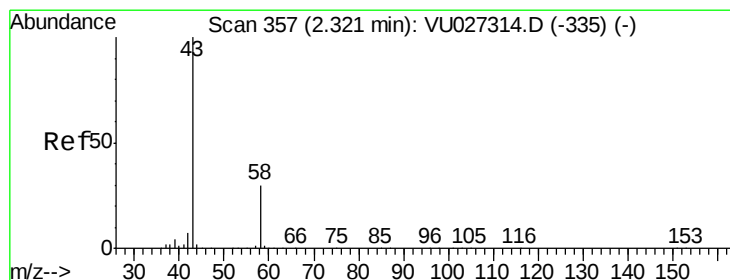
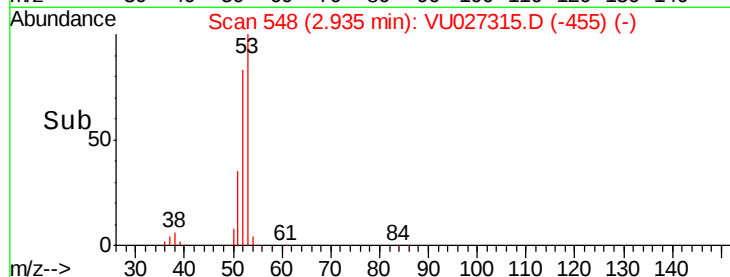
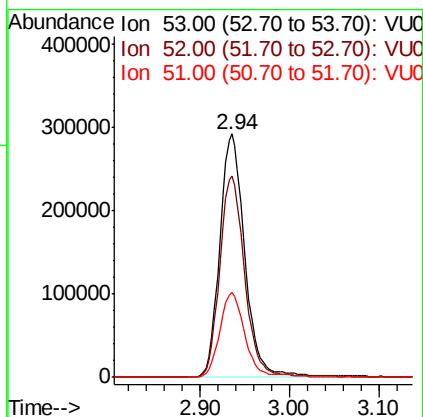
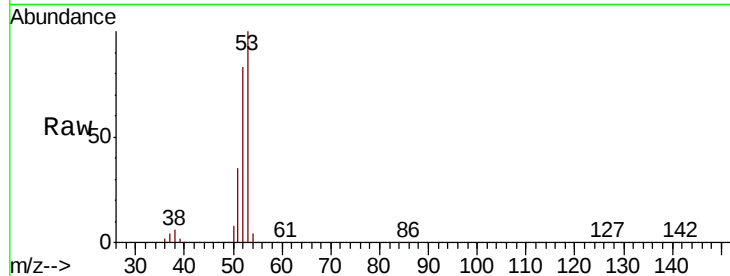
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	567738
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.5	99.7
51	35.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 457.935 ug/l

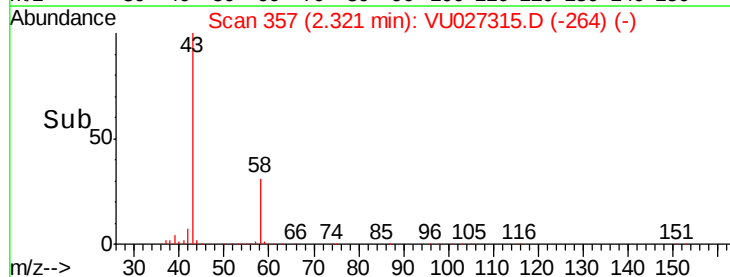
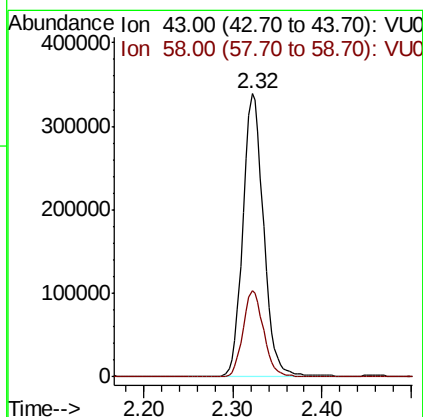
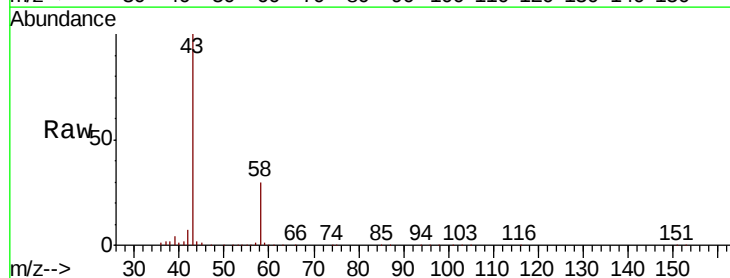
RT: 2.32 min Scan# 357

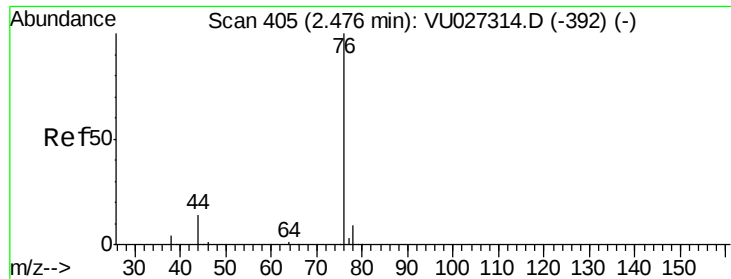
Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion:	43	Resp:	547488
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4





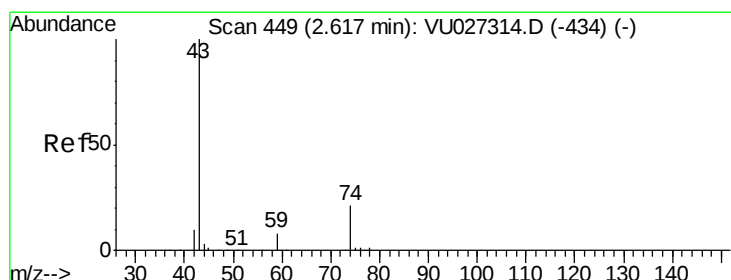
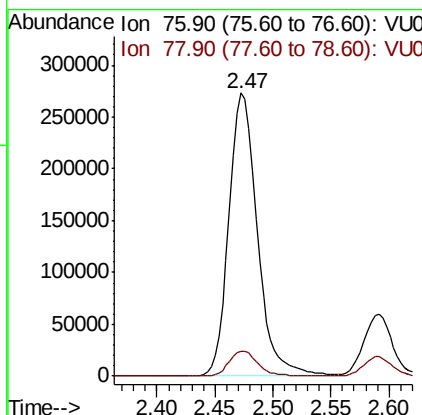
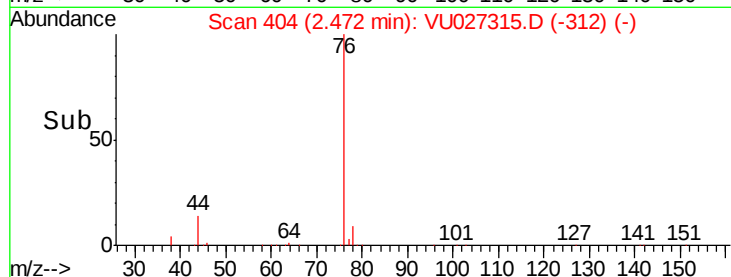
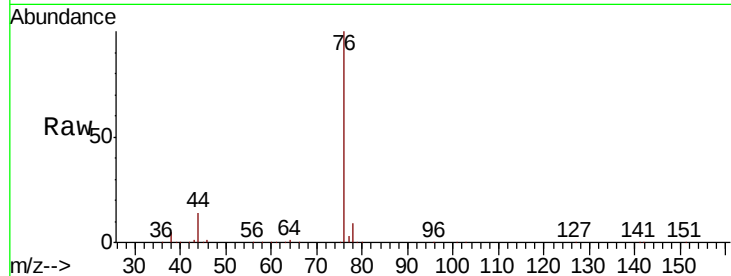
#17
Carbon Disulfide
Concen: 101.207 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

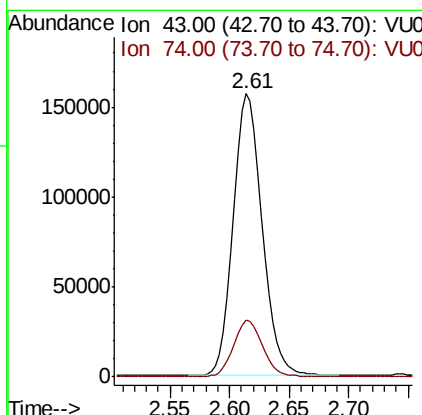
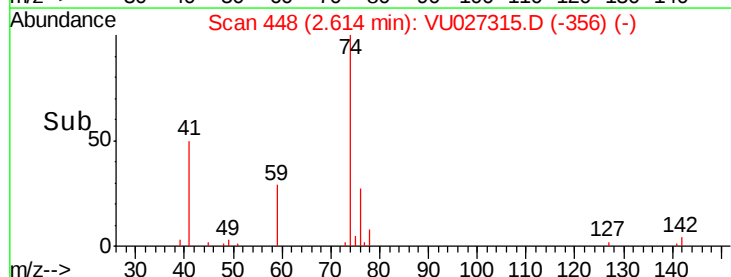
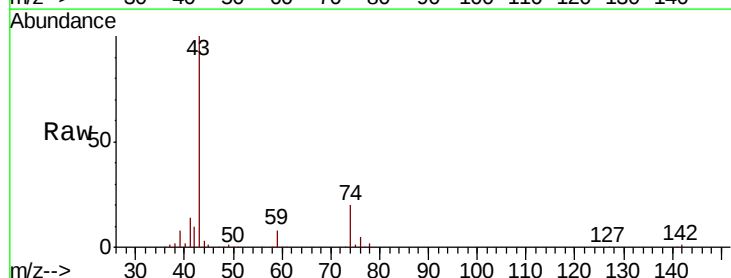
Manual Integrations
APPROVED

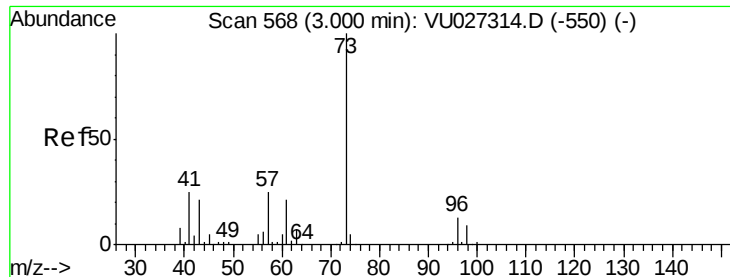
MMDadoda
10/3/2018 11:41:43 AM



#18
Methyl Acetate
Concen: 97.225 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





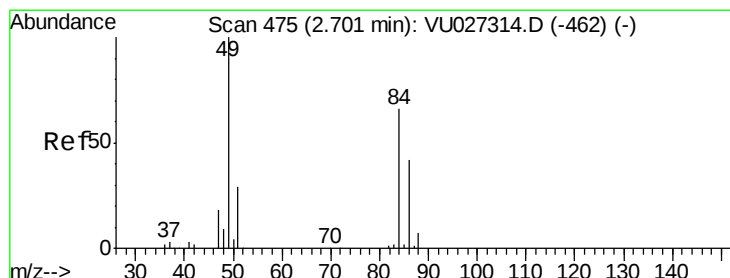
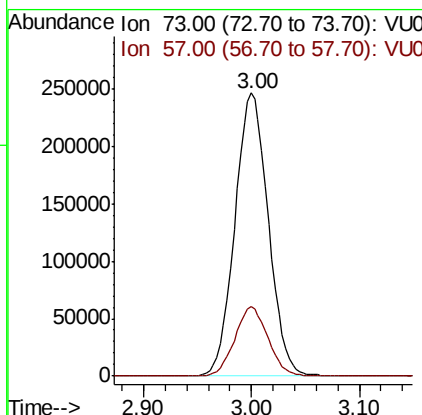
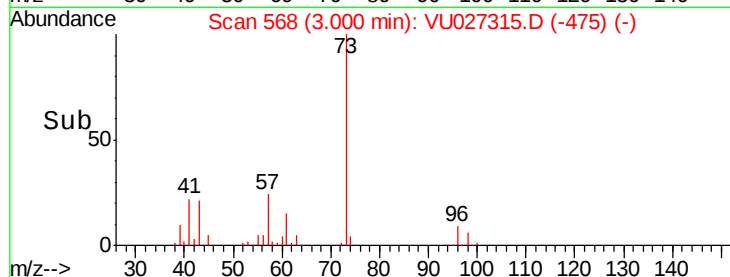
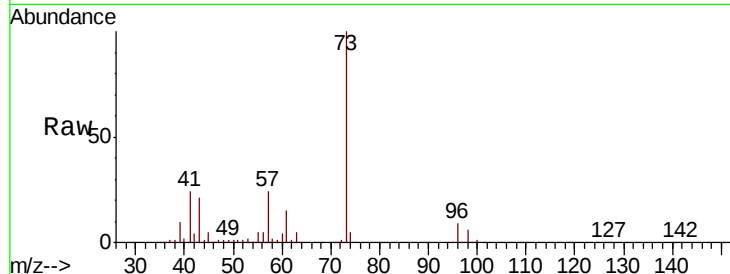
#19
Methvl tert-butvl Ether
Concen: 103.648 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 531662
Ion Ratio Lower Upper
73 100
57 24.5 20.0 30.0

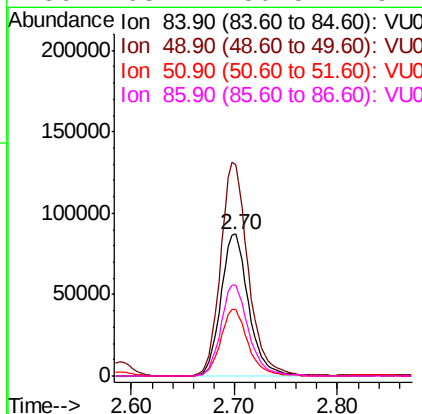
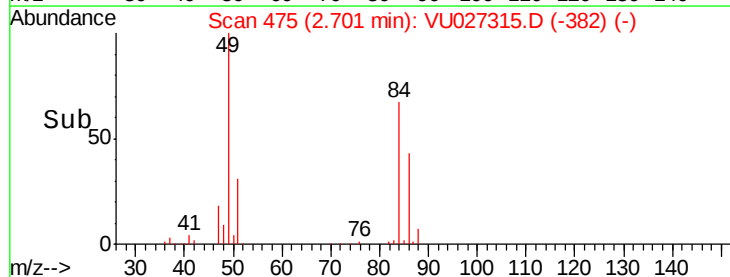
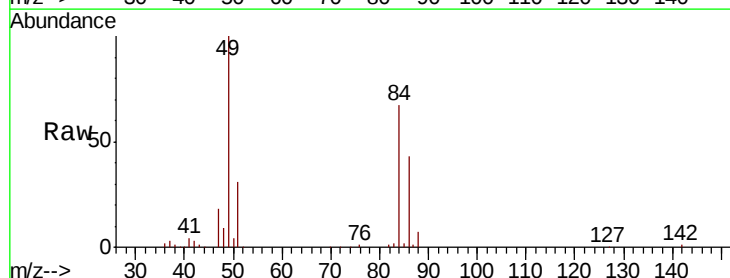
Manual Integrations
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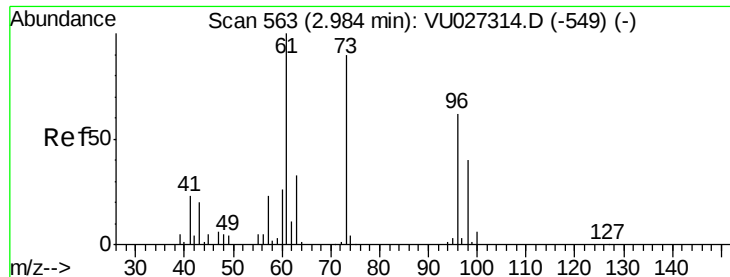
MMDadoda
10/3/2018 11:41:43 AM



#20
Methylene Chloride
Concen: 98.200 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion: 84 Resp: 163537
Ion Ratio Lower Upper
84 100
49 149.3 120.5 180.7
51 46.7 35.1 52.7
86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 103.034 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 148089

Ion Ratio Lower Upper

96 100

61 167.3 129.4 194.2

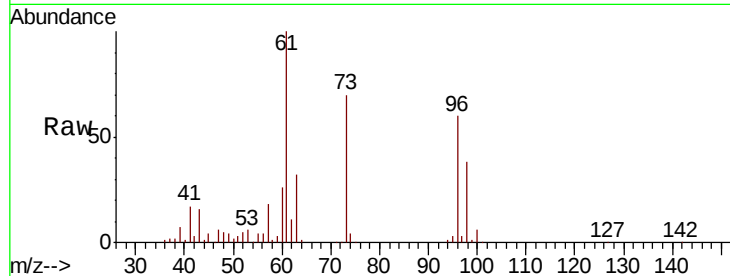
98 62.9 51.2 76.8

Manual Integrations

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MMDadoda

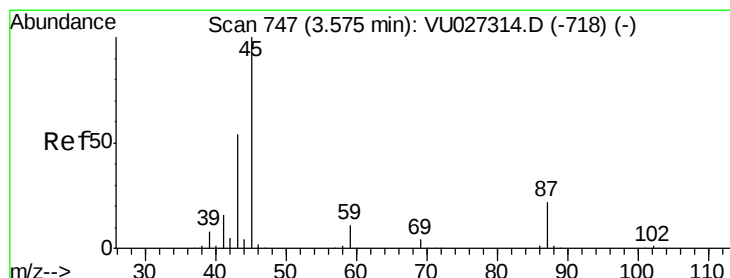
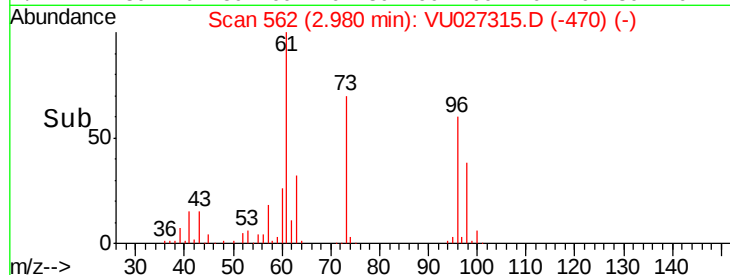
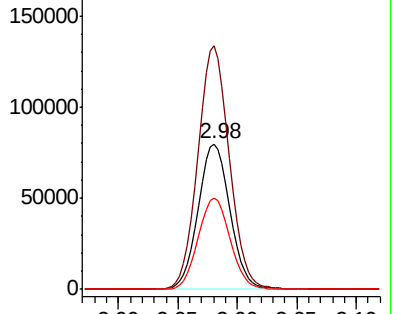
10/3/2018 11:41:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 104.147 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion: 45 Resp: 643511

Ion Ratio Lower Upper

45 100

43 53.8 43.4 65.2

87 22.1 17.5 26.3

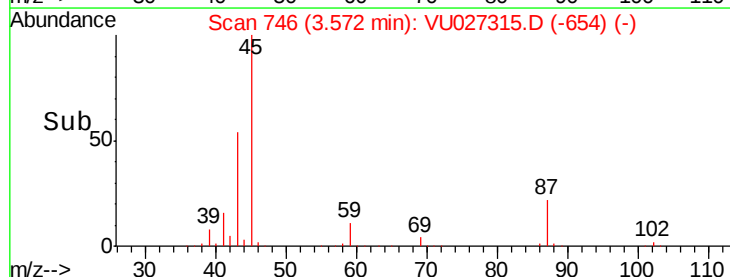
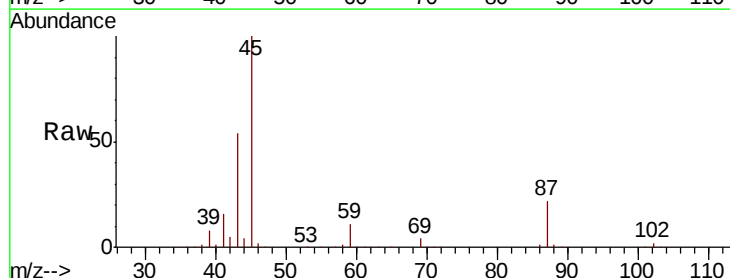
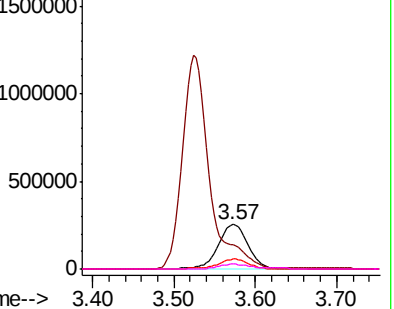
59 10.5 8.6 13.0

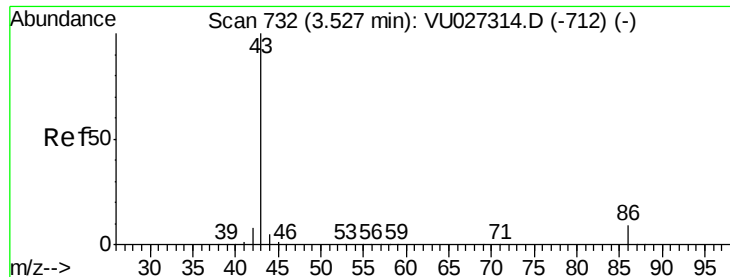
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 532.076 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2871119

Ion Ratio Lower Upper

43 100

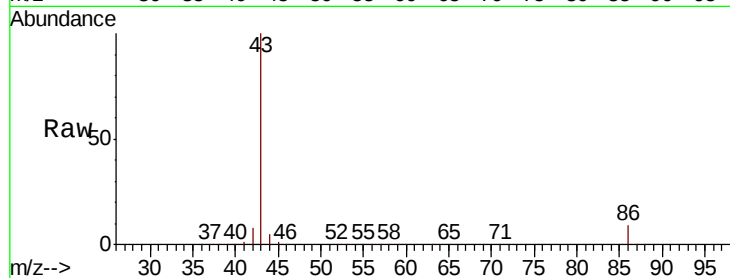
86 8.7 7.0 10.4

Manual Integrations

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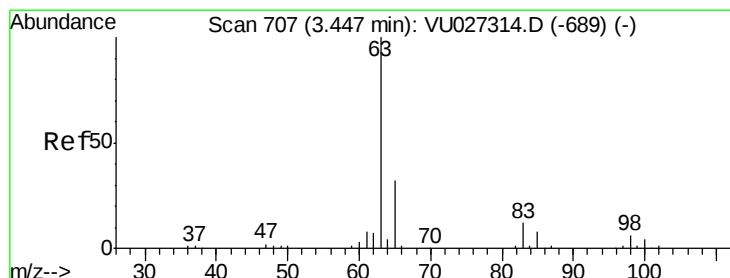
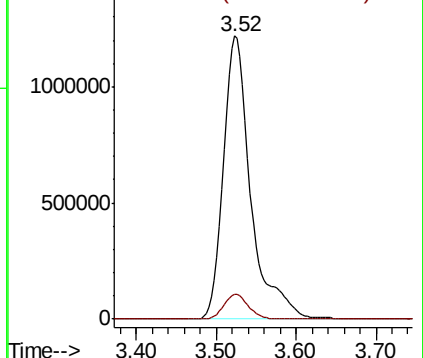
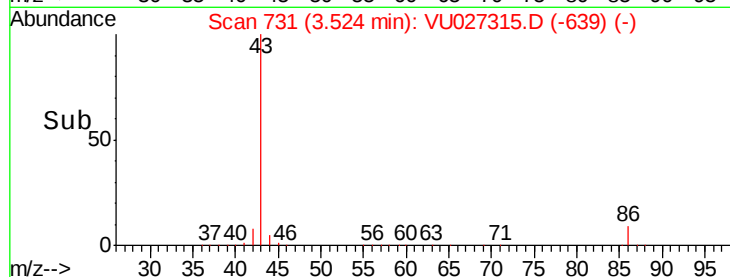
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027315.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027315.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 102.491 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

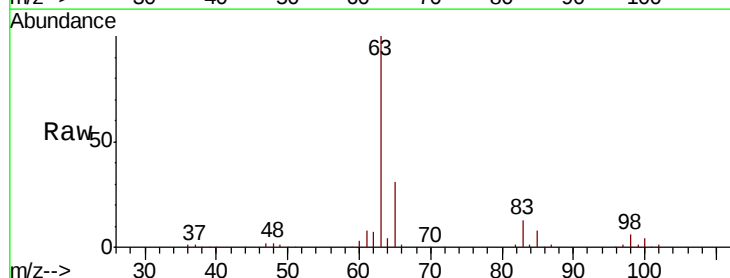
Tgt Ion: 63 Resp: 325557

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

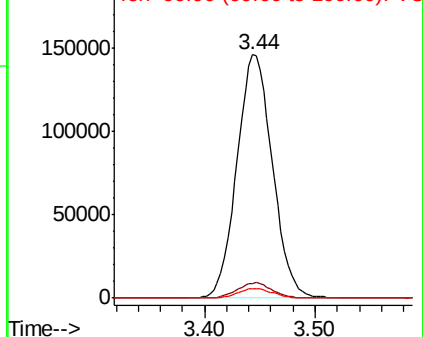
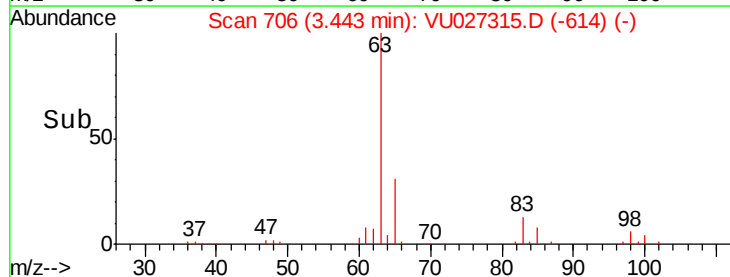
100 3.9 1.8 5.5

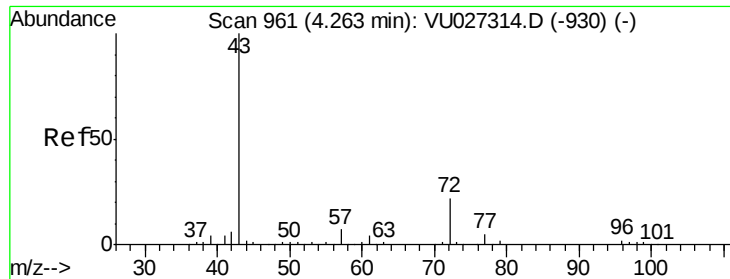


Abundance Ion 62.90 (62.60 to 63.60): VU027315.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027315.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027315.D (-614) (-)





#25

2-Butanone

Concen: 509.627 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 830862

Ion Ratio Lower Upper

43 100

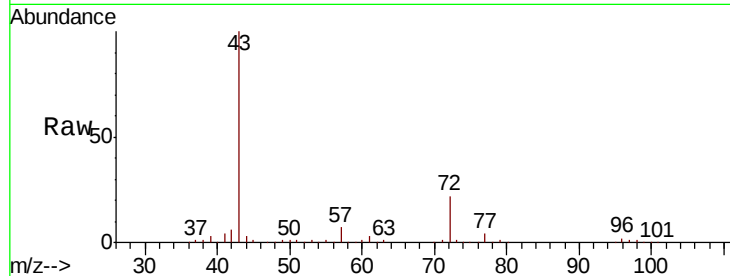
72 22.5 17.8 26.6

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

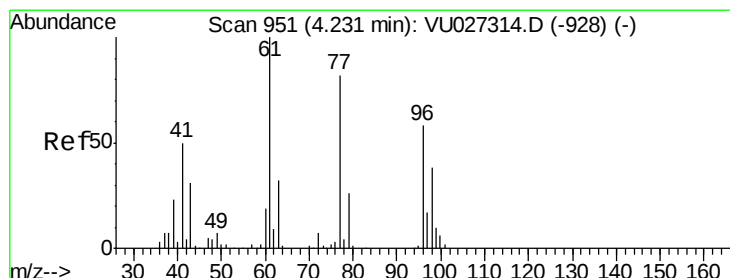
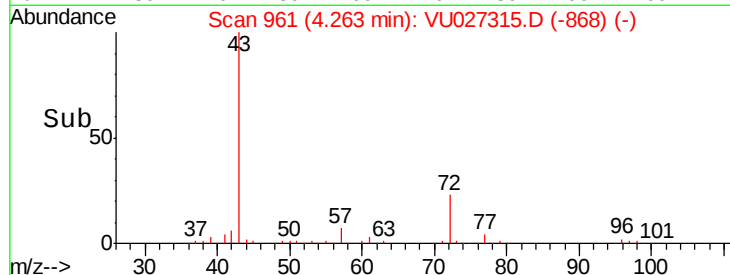
300000

200000

100000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 99.717 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027315.D

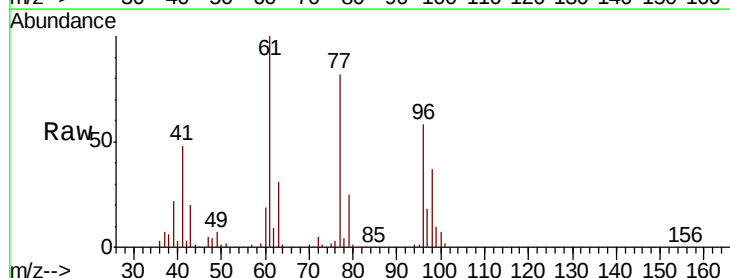
Acq: 01 Oct 2018 11:39

Tgt Ion: 77 Resp: 260268

Ion Ratio Lower Upper

77 100

97 21.1 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

100000

80000

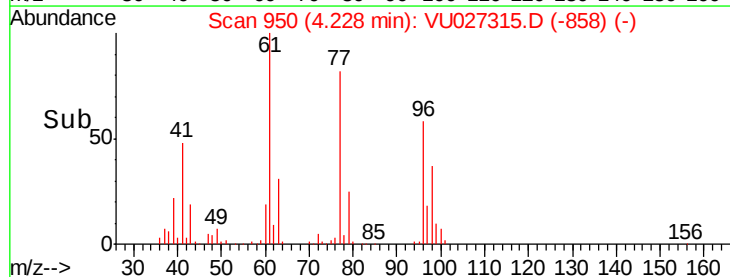
60000

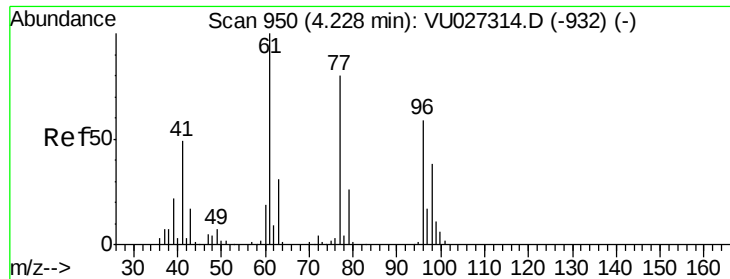
40000

20000

0

Time--> 4.10 4.20 4.30





#27

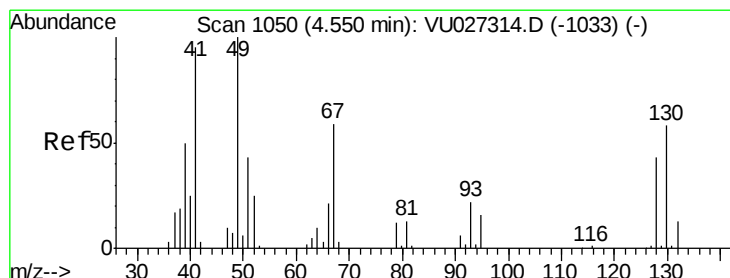
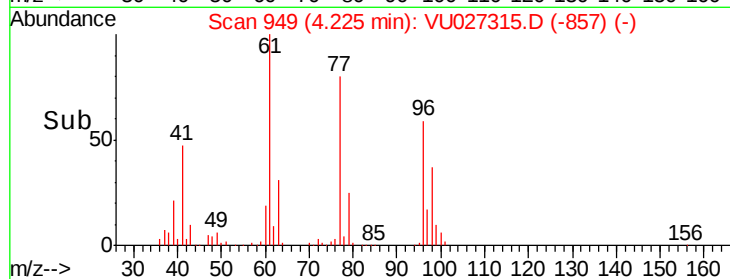
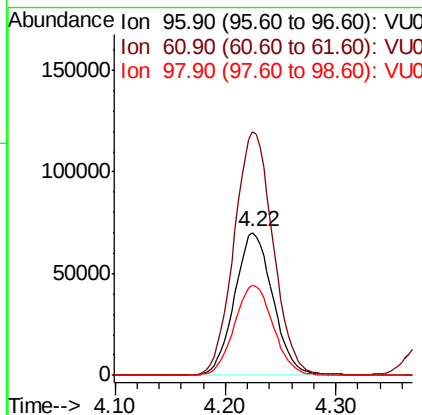
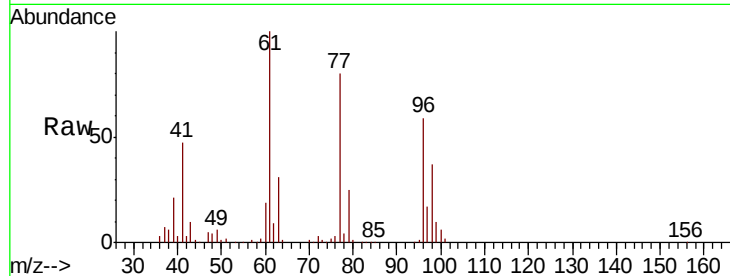
cis-1,2-Dichloroethene
 Concen: 102.757 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	168897		
61	173.7	0.0	343.8	
98	64.1	0.0	129.0	

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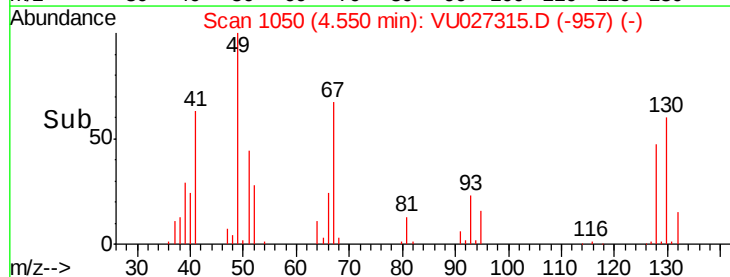
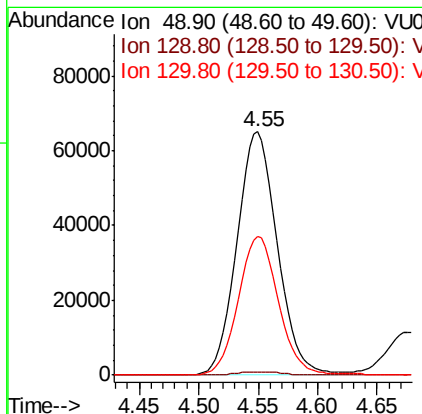
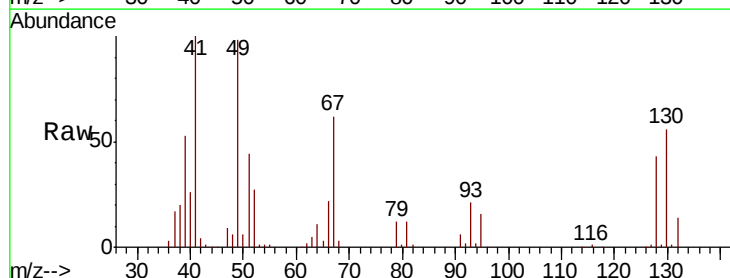
MMDadoda
 10/3/2018 11:41:43 AM

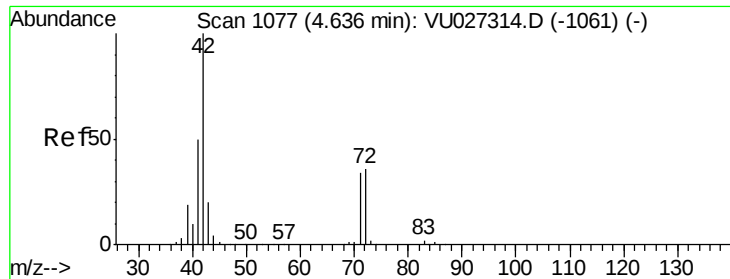


#28

Bromochloromethane
 Concen: 99.601 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	152639		
129	1.5	0.0	3.0	
130	57.1	46.1	69.1	





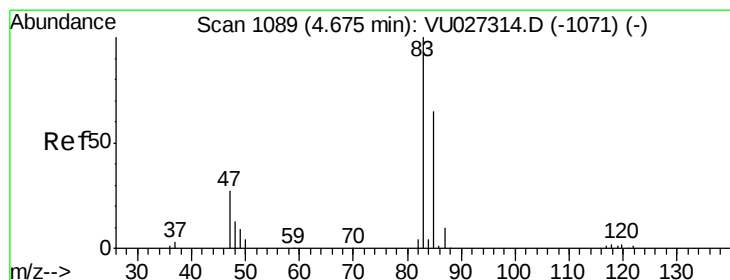
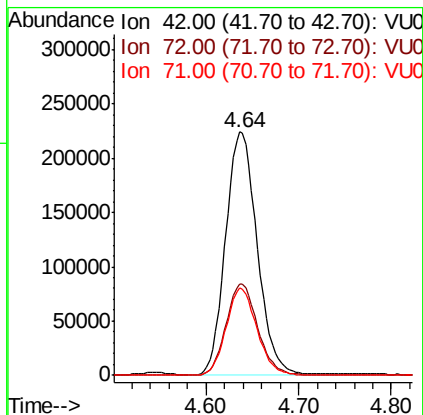
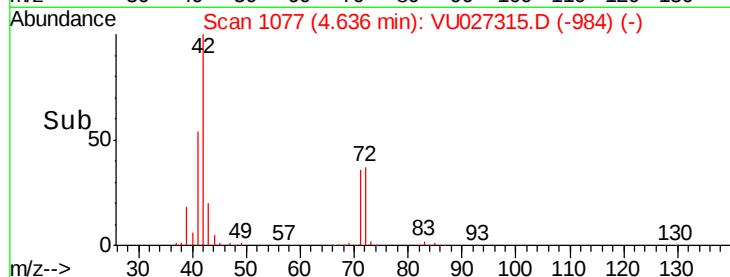
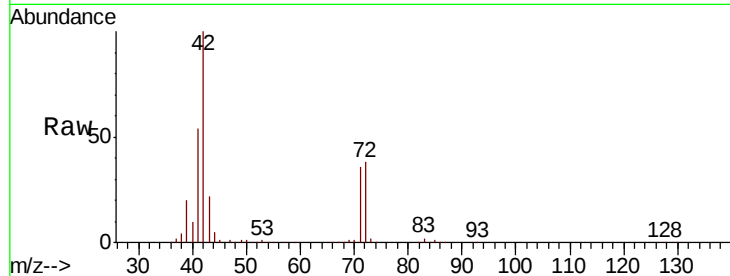
#29
Tetrahydrofuran
Concen: 515.053 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.1	45.1
71	35.1	27.7	41.5

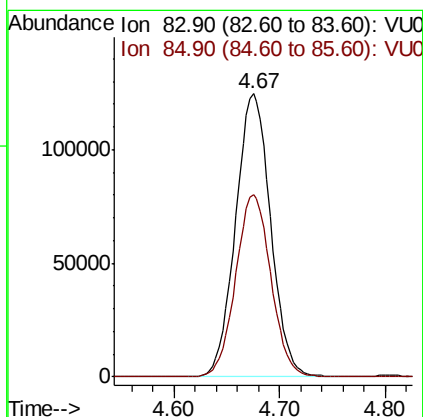
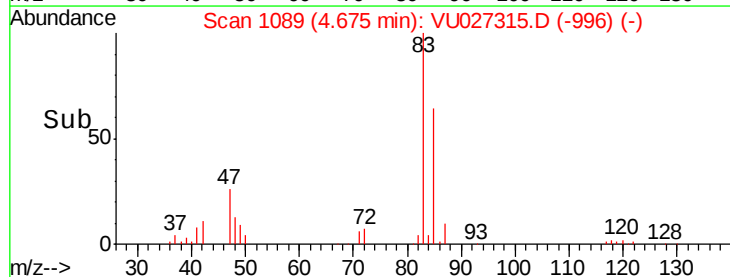
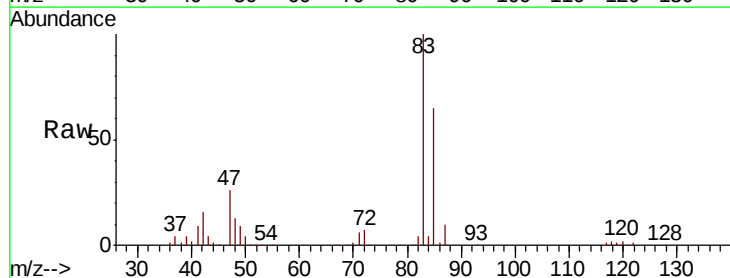
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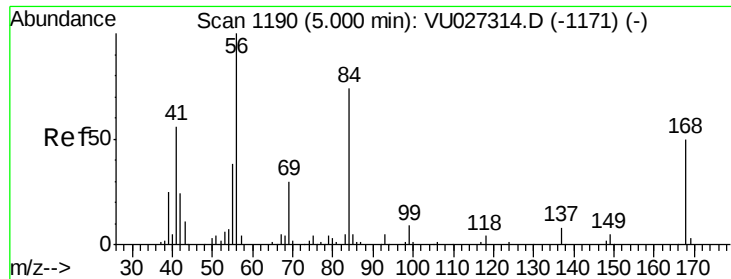
MMDadoda
10/3/2018 11:41:43 AM



#30
Chloroform
Concen: 101.921 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6





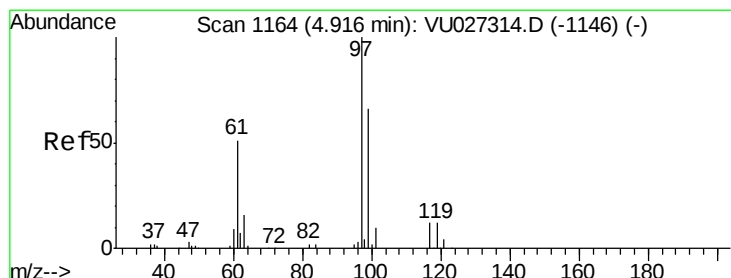
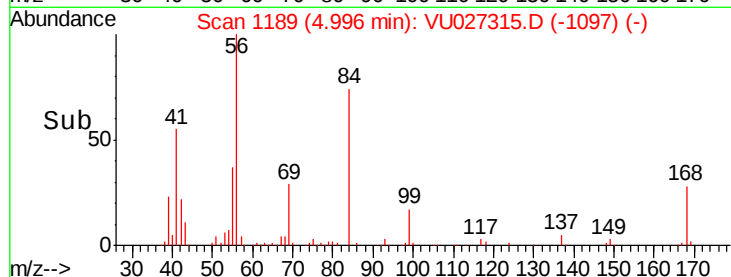
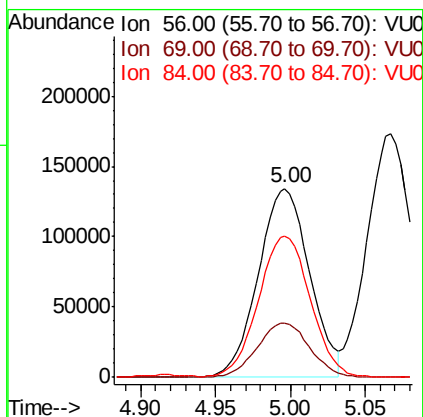
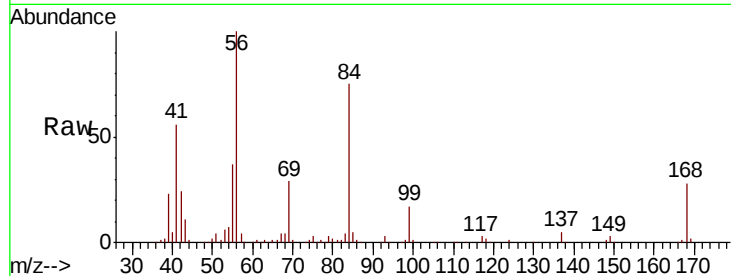
#31
Cyclohexane
Concen: 86.210 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.1	36.1
84	74.4	59.1	88.7

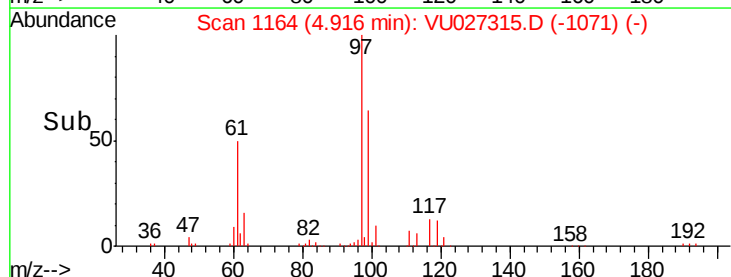
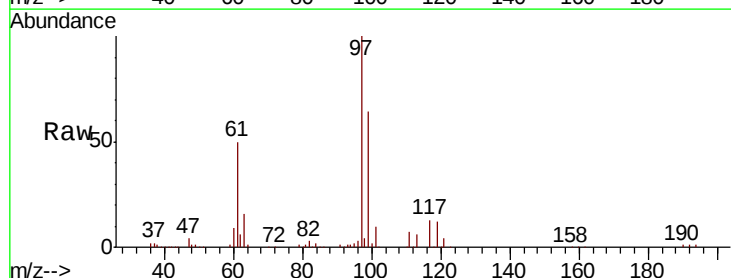
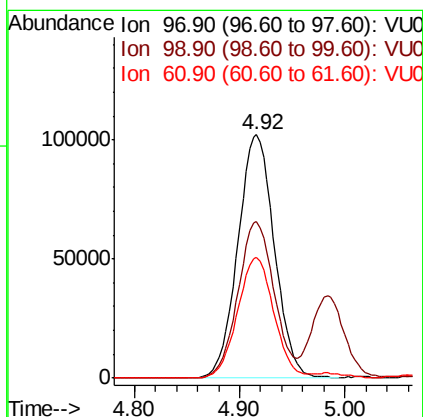
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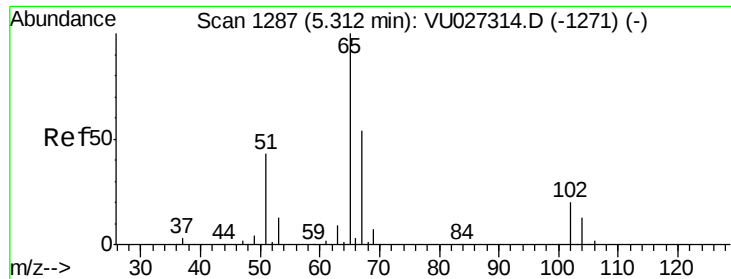
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10/3/2018 11:41:43 AM



#32
1,1,1-Trichloroethane
Concen: 103.544 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	49.5	39.6	59.4





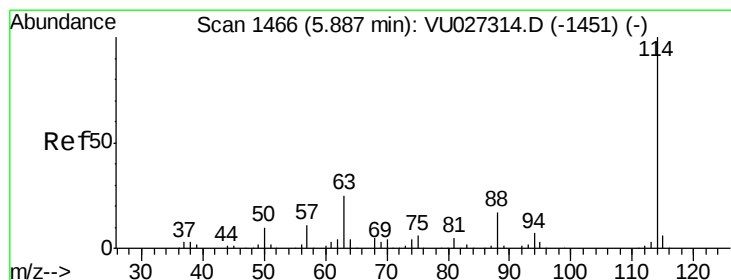
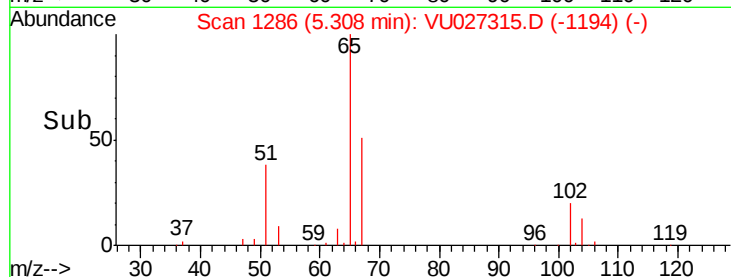
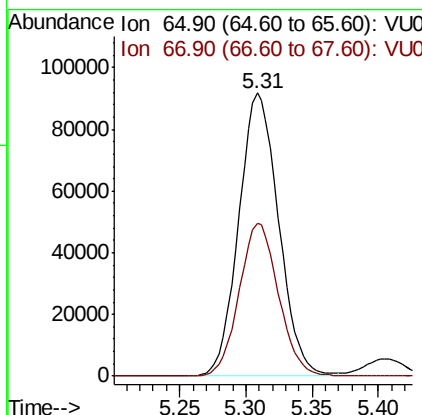
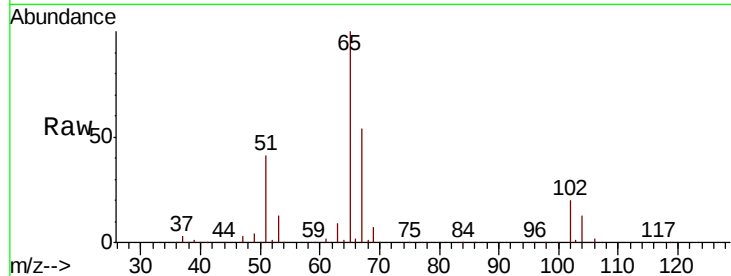
#33
 1,2-Dichloroethane-d4
 Concen: 99.997 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	107.8

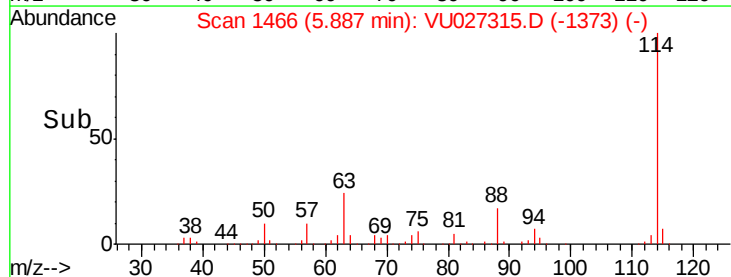
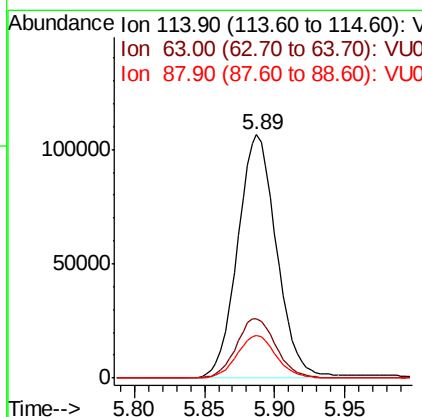
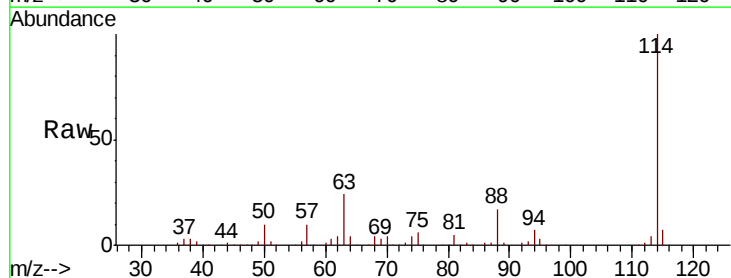
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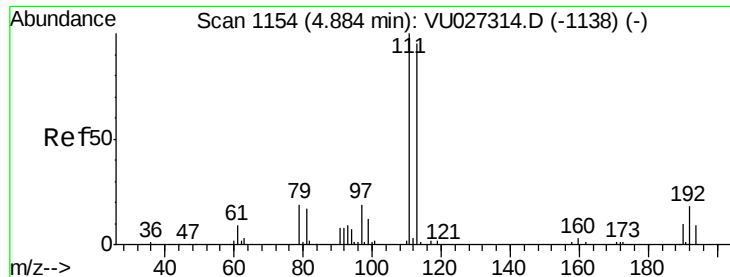
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	50.2
88	17.5	0.0	33.8





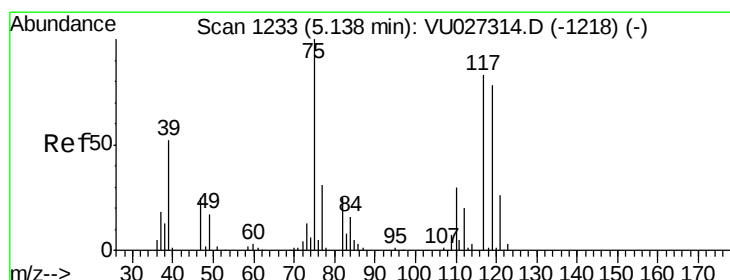
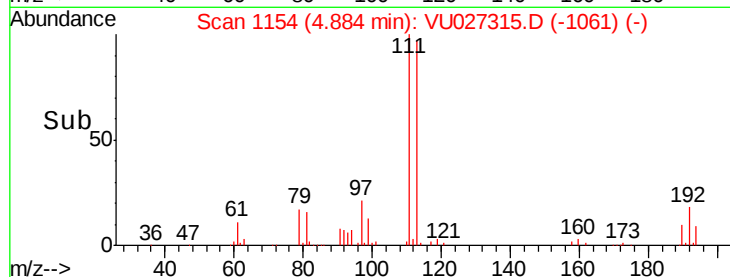
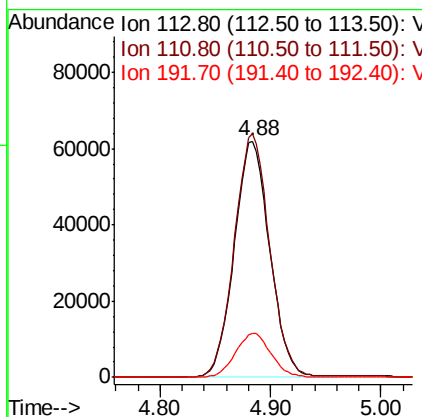
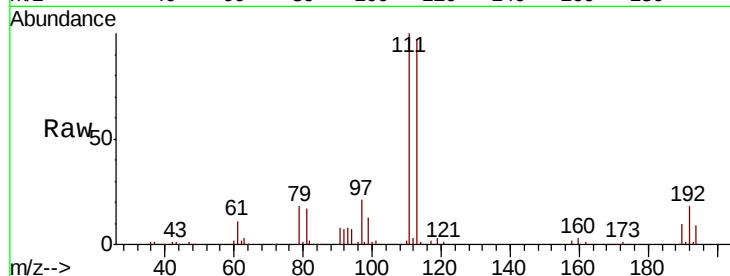
#35
 Dibromofluoromethane
 Concen: 102.229 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	83.1	124.7	
192	18.7	15.4	23.0	

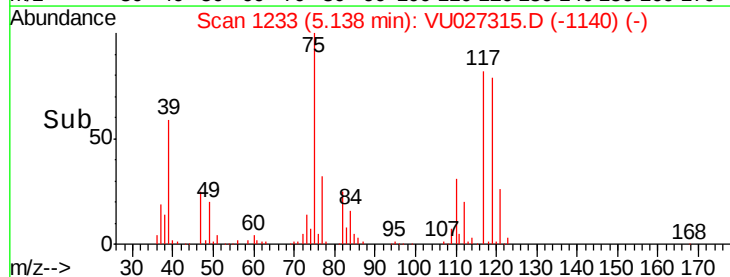
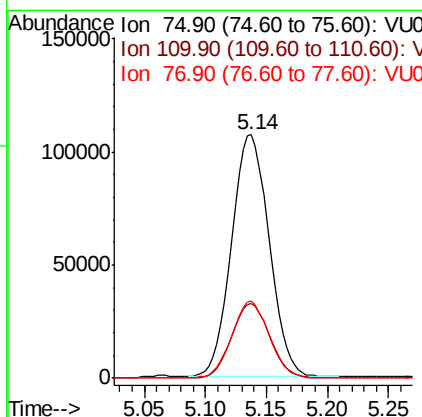
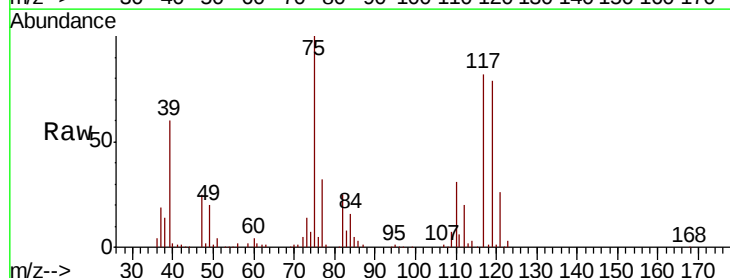
Manual Integrations
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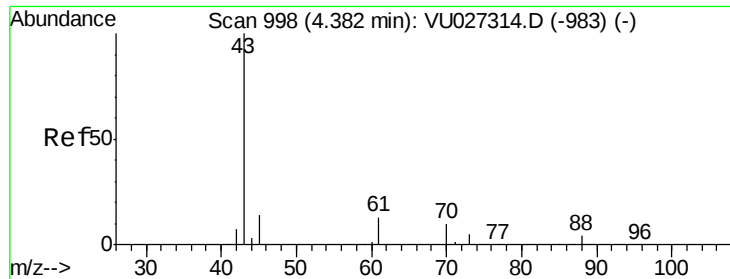
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 10/3/2018 11:41:43 AM



#36
 1,1-Dichloropropene
 Concen: 102.504 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.2	15.5	46.5	
77	31.2	25.4	38.0	





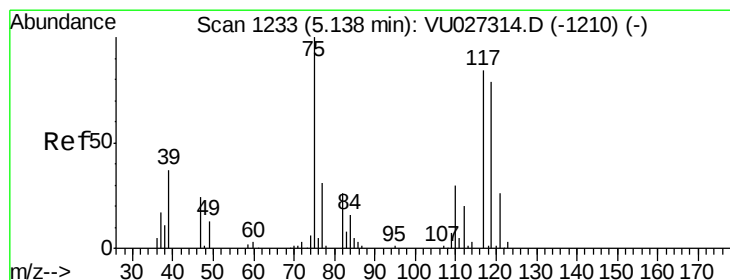
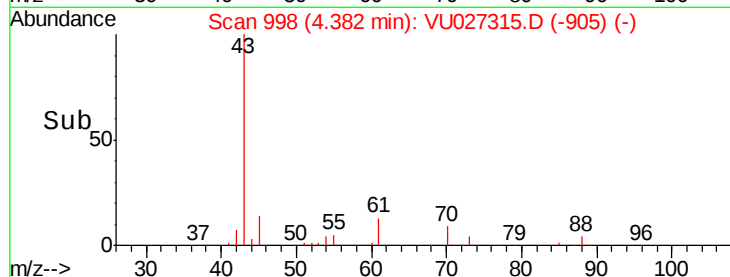
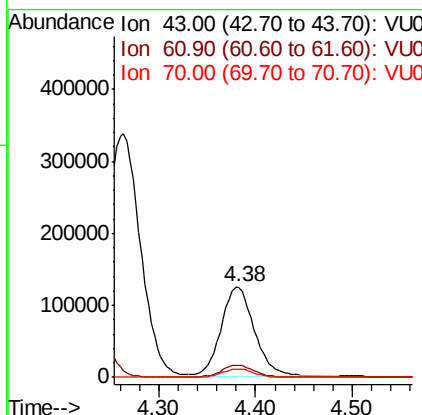
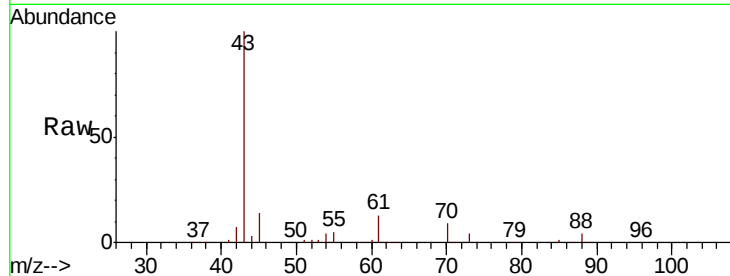
#37
Ethyl Acetate
Concen: 108.651 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	43	61	70
Resp	299794		
Ratio	100	13.2	8.8
Lower		10.7	7.4
Upper		16.1	11.2

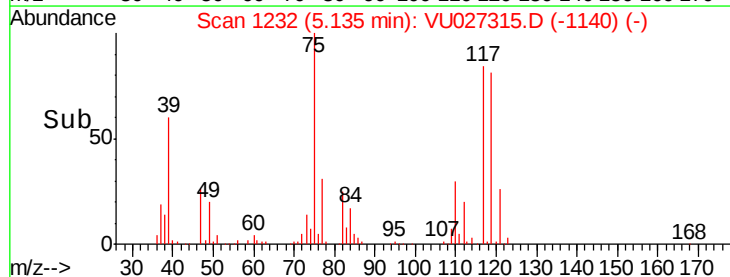
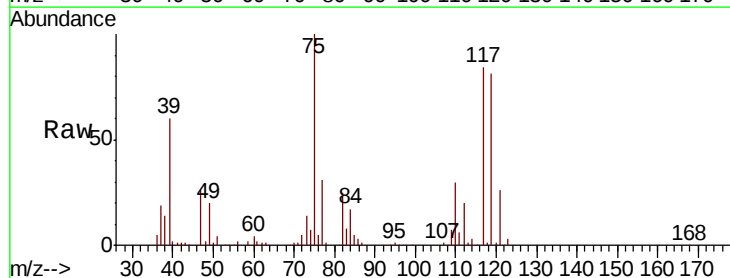
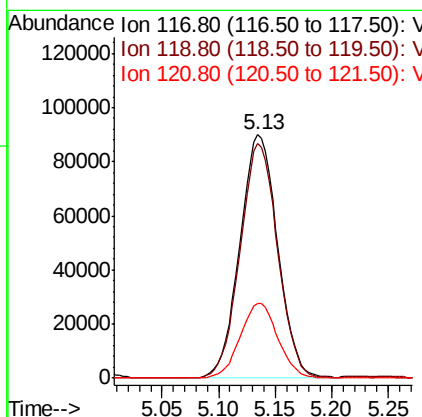
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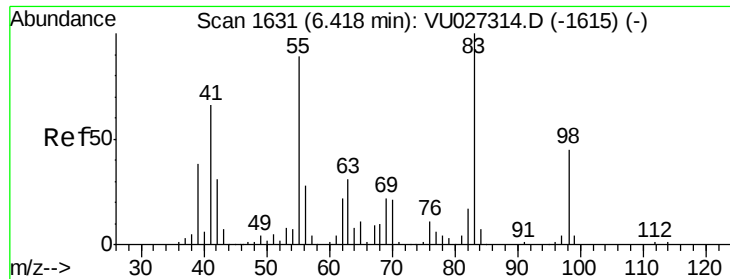
MMDadoda
10/3/2018 11:41:43 AM



#38
Carbon Tetrachloride
Concen: 103.598 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	117	119	121
Resp	209403		
Ratio	100	96.2	30.6
Lower		74.5	24.6
Upper		111.7	37.0





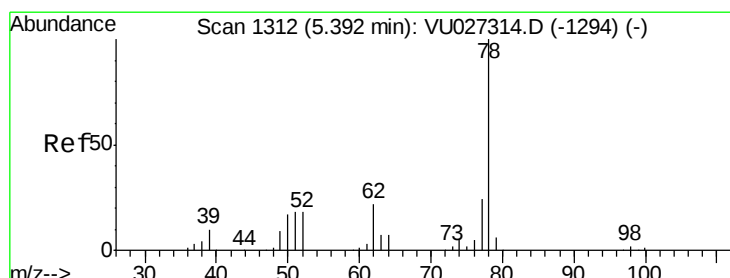
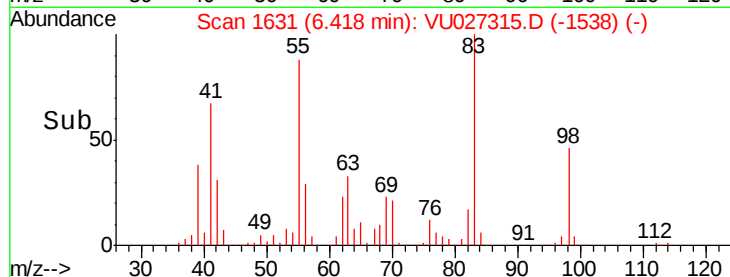
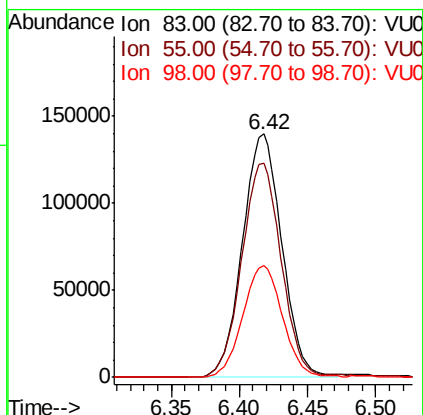
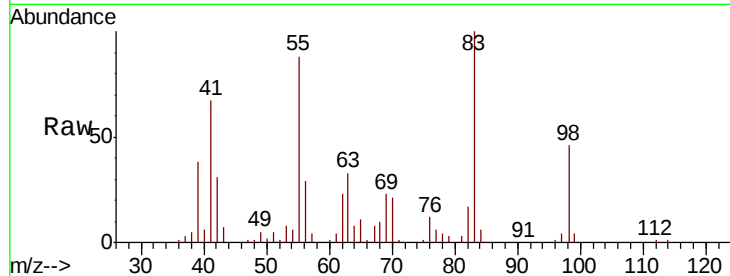
#39
Methylvlcyclohexane
Concen: 107.287 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	280633		
55	88.1	71.1	106.7	
98	45.9	36.3	54.5	

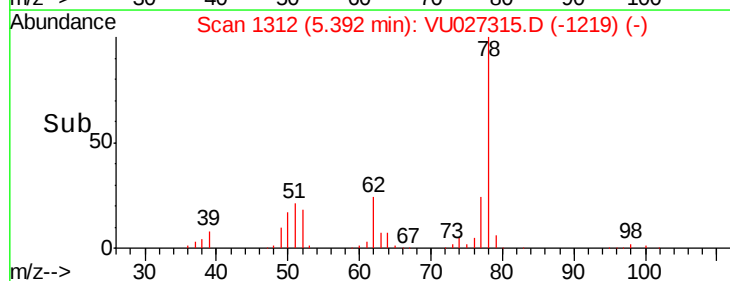
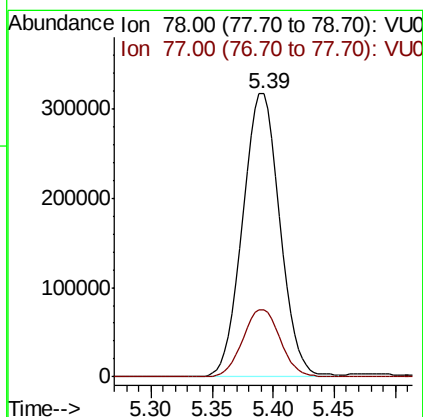
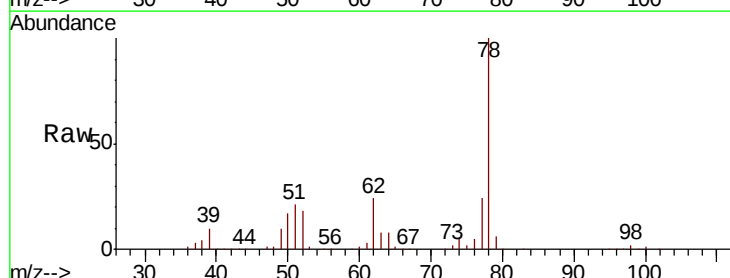
Manual Integrations
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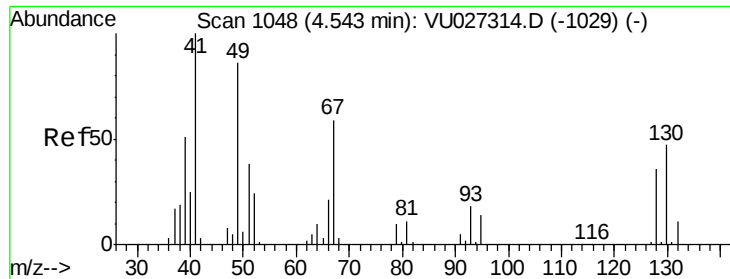
MMDadoda
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#40
Benzene
Concen: 102.513 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	668182		
77	23.7	19.3	28.9	





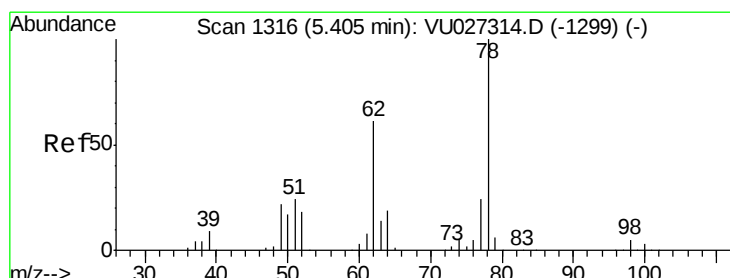
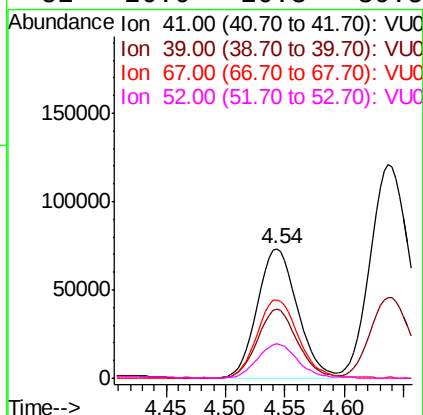
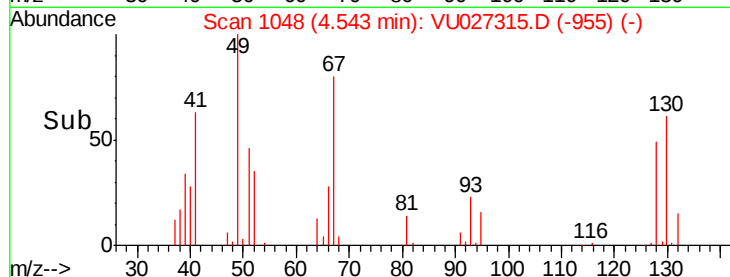
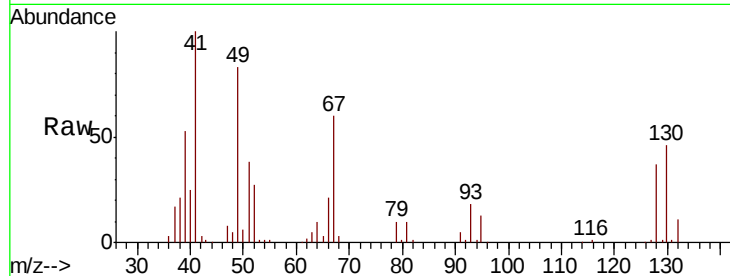
#41
Methacrylonitrile
Concen: 104.528 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.6	41.1	61.7		
67	62.8	50.4	75.6		
52	26.0	20.3	30.5		

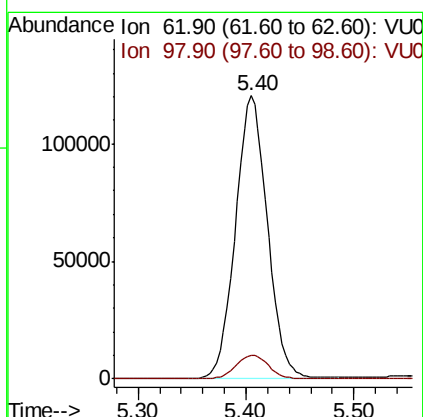
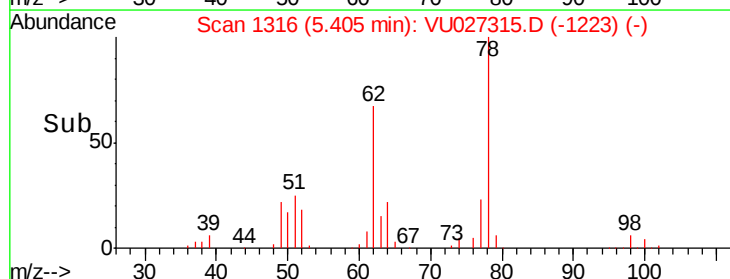
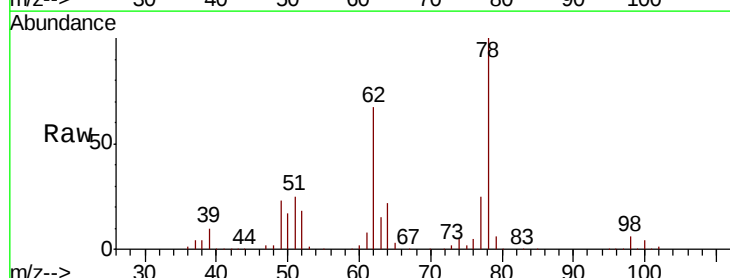
Manual Integrations
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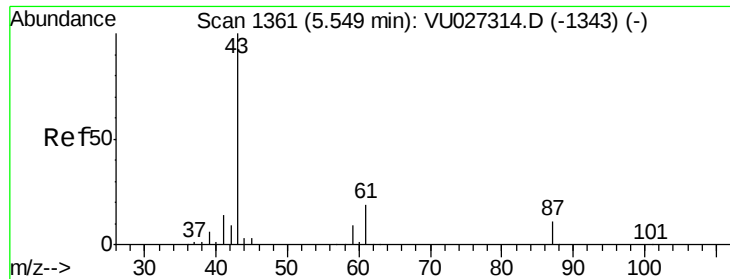
MMDadoda
10/3/2018 11:41:43 AM



#42
1,2-Dichloroethane
Concen: 102.849 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.6	0.0	16.8		





#43

Isopropyl Acetate

Concen: 106.018 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

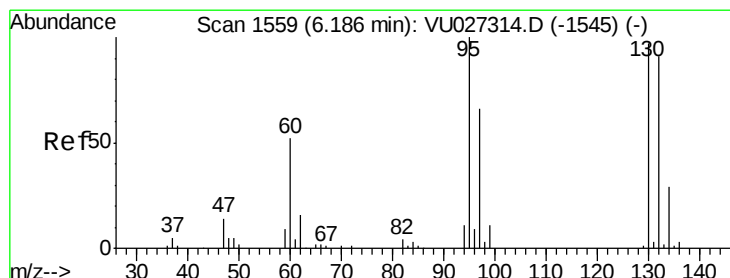
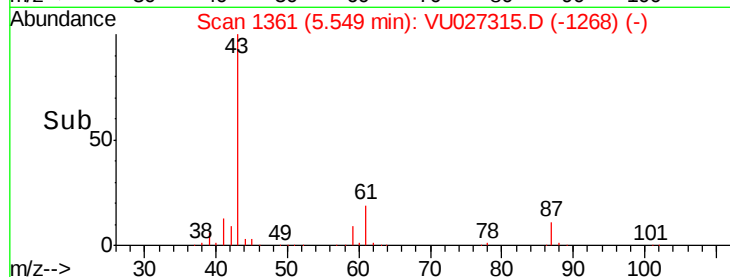
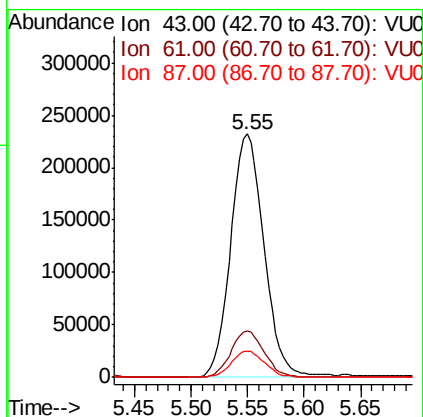
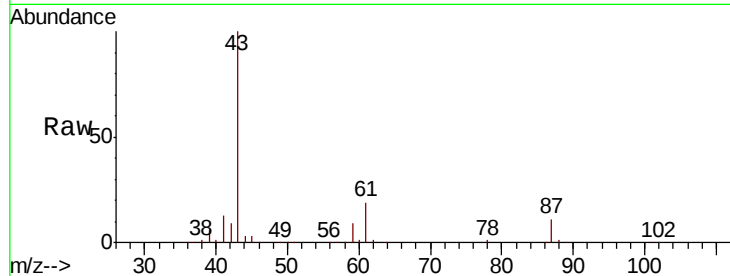
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	476181
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	10.9	8.6	13.0

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10/3/2018 11:41:43 AM



#44

Trichloroethene

Concen: 103.900 ug/l

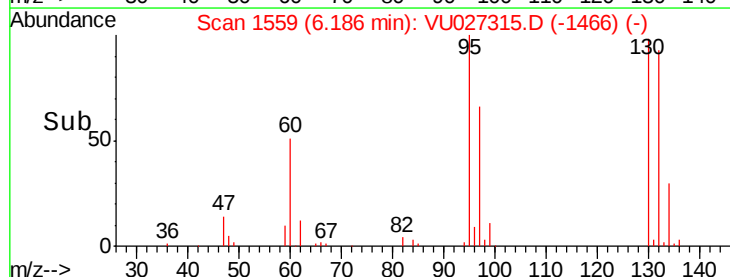
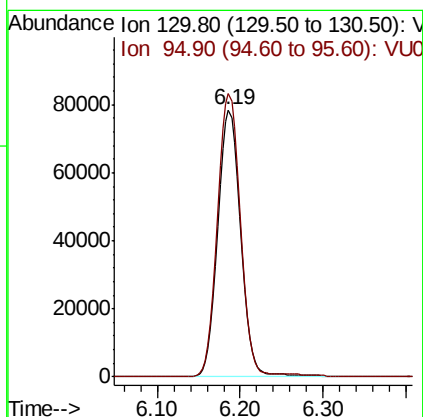
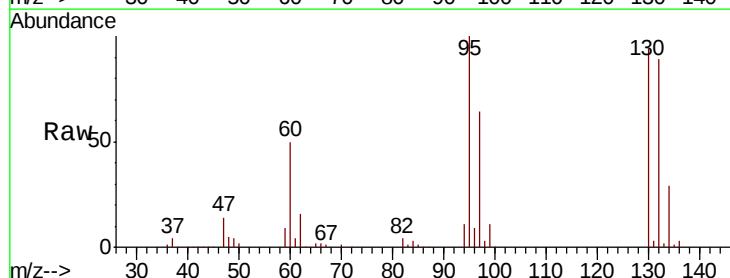
RT: 6.19 min Scan# 1559

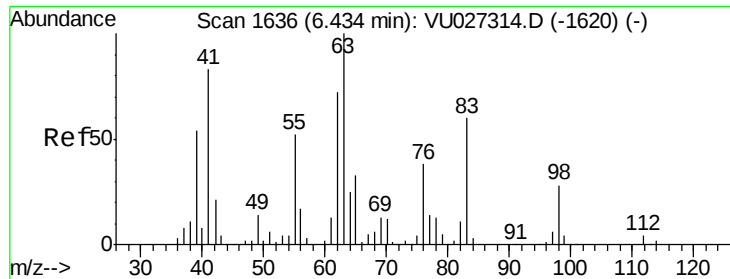
Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion:	130	Resp:	151008
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	207.0





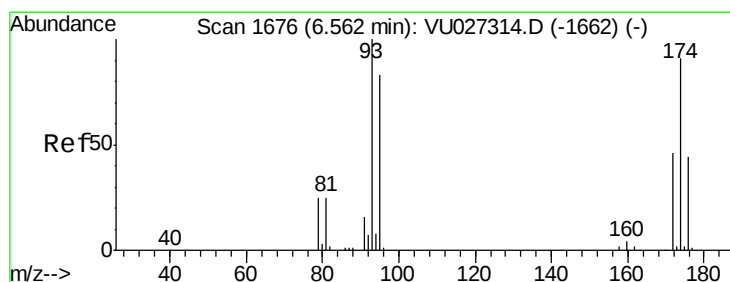
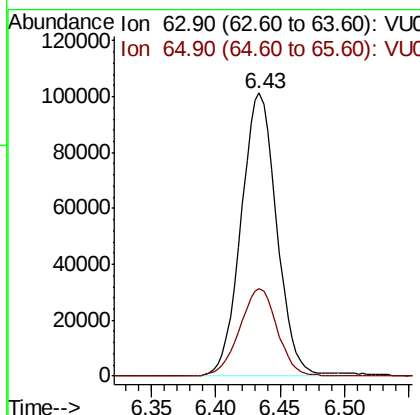
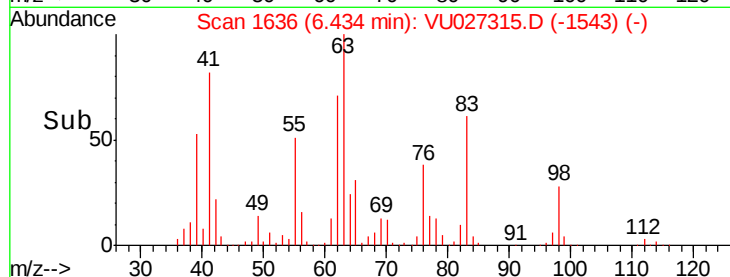
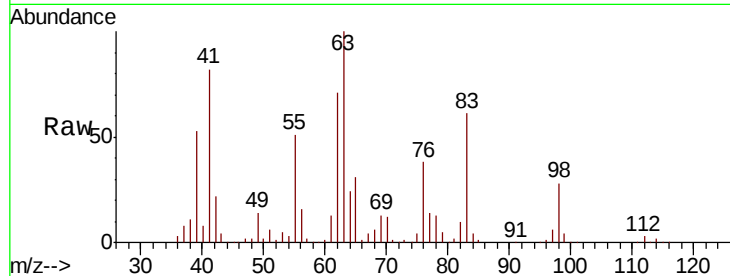
#45
 1,2-Dichloropropane
 Concen: 103.771 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 195091
 Ion Ratio Lower Upper
 63 100
 65 30.8 26.0 39.0

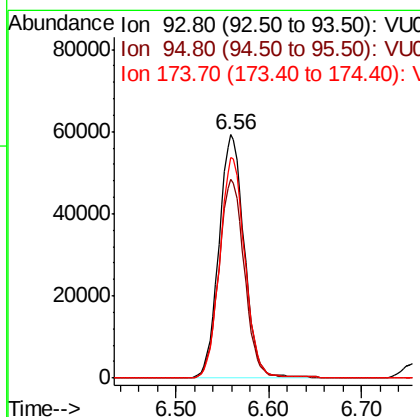
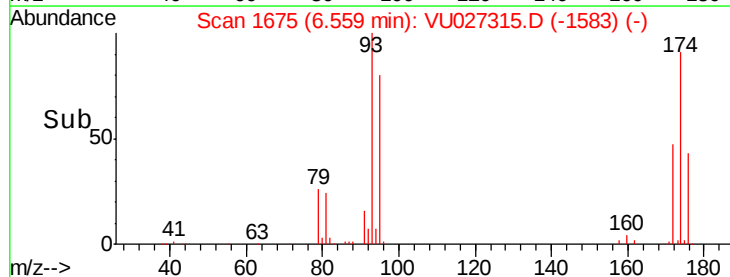
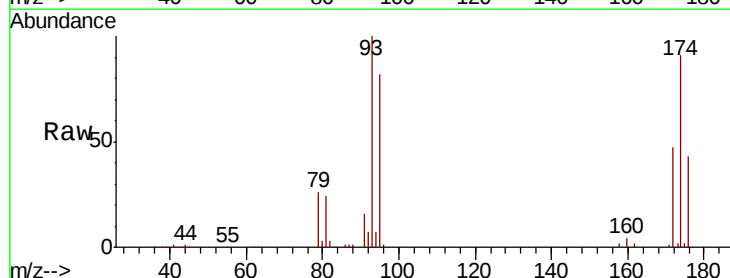
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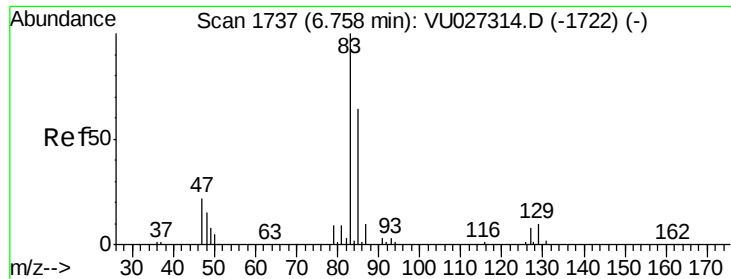
MMDadoda
 10/3/2018 11:41:43 AM



#46
 Dibromomethane
 Concen: 106.031 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion: 93 Resp: 112584
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.5 99.7
 174 89.7 72.5 108.7





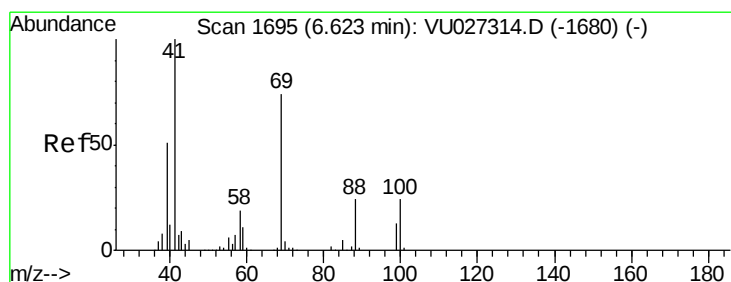
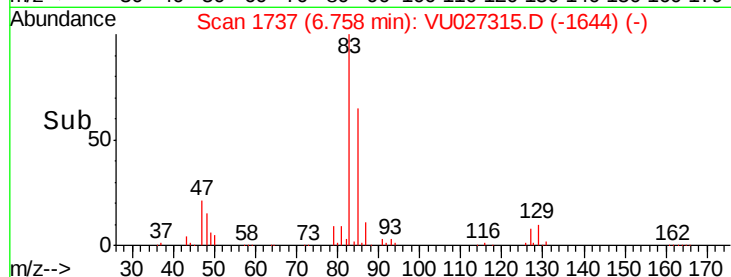
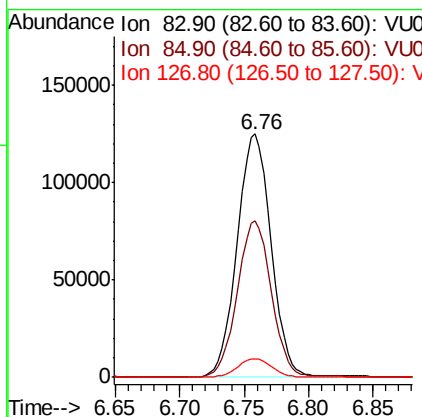
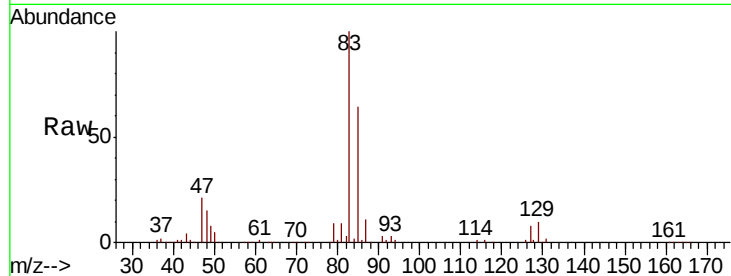
#47
Bromodichloromethane
Concen: 104.408 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	230036		
85	64.2		51.4	77.0
127	7.8		6.3	9.5

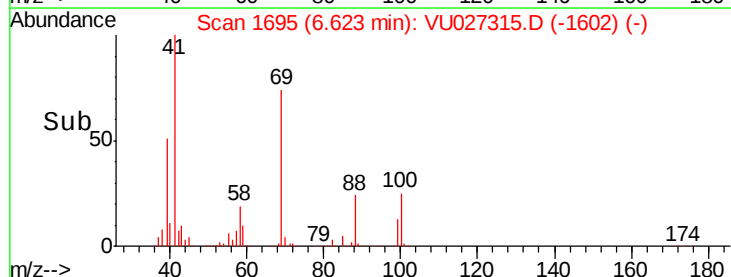
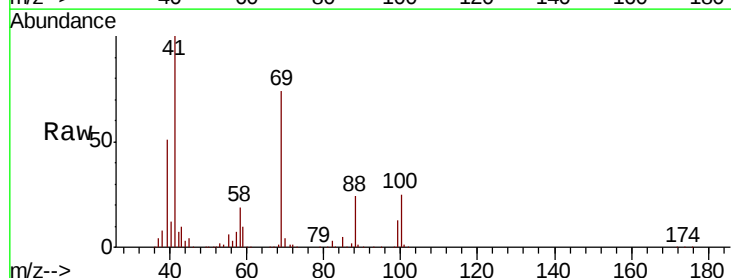
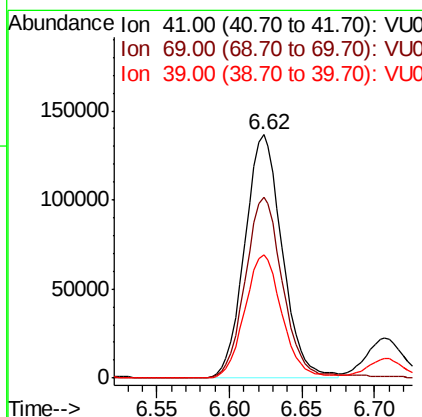
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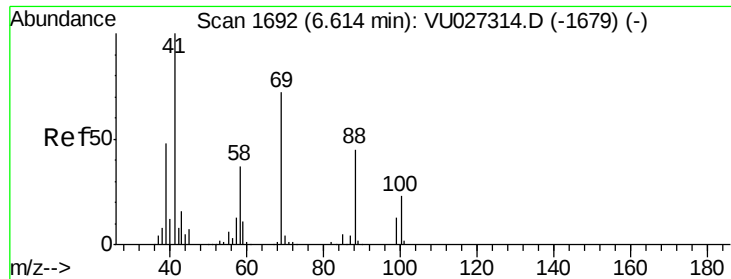
MMDadoda
10/3/2018 11:41:43 AM



#48
Methyl methacrylate
Concen: 109.629 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	244864		
69	75.7		61.0	91.4
39	50.4		39.9	59.9





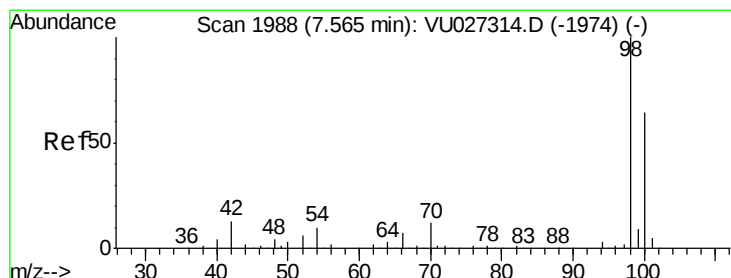
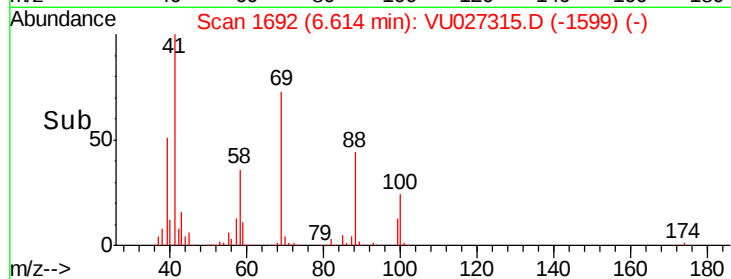
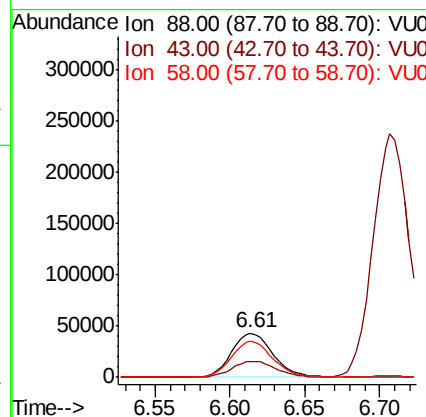
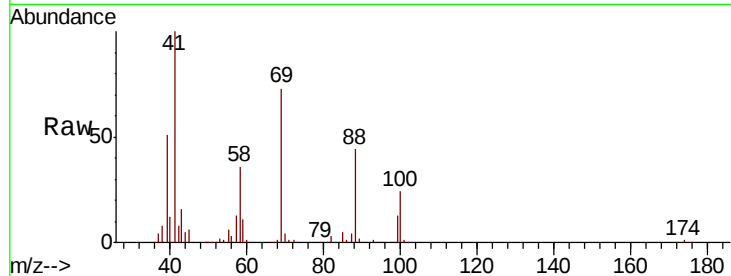
#49
1,4-Dioxane
Concen: 2159.398 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	30.8	46.2
58	82.4	67.0	100.6

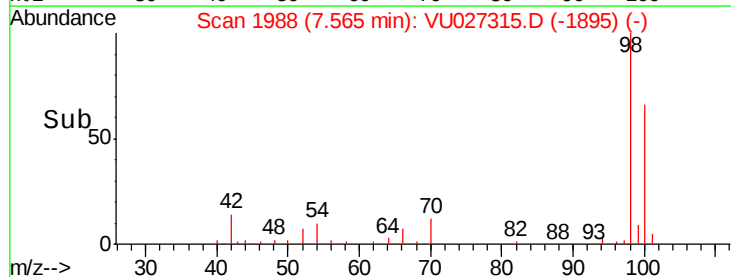
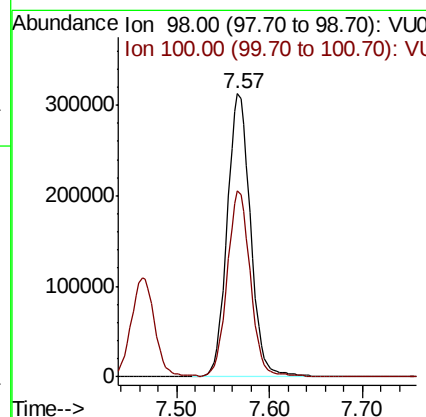
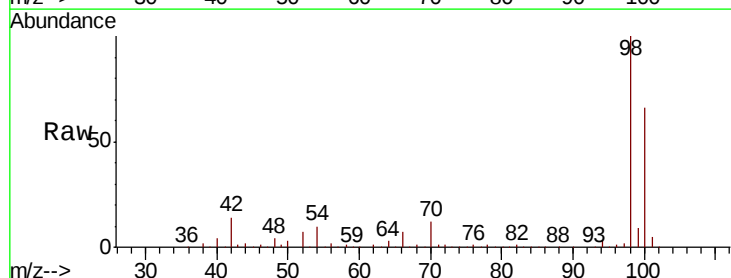
Manual Integrations
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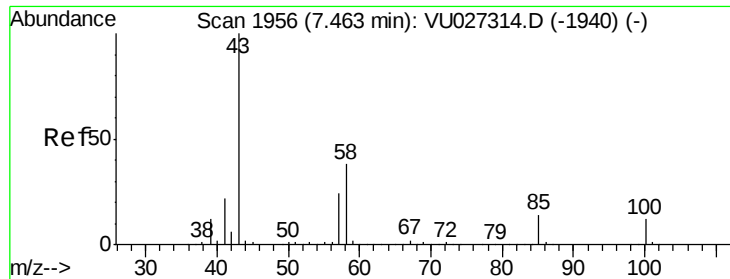
MMDadoda
10/3/2018 11:41:43 AM



#50
Toluene-d8
Concen: 102.921 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 536.217 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1565015

Ion Ratio Lower Upper

43 100

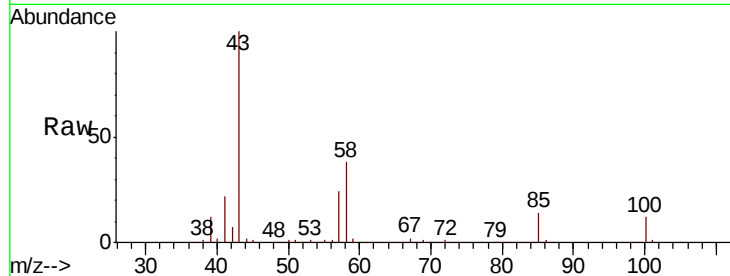
58 37.6 29.8 44.8

Manual Integrations

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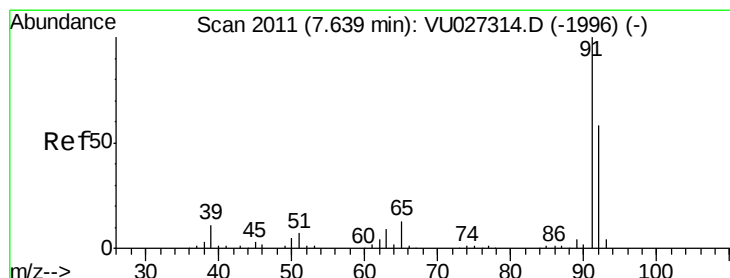
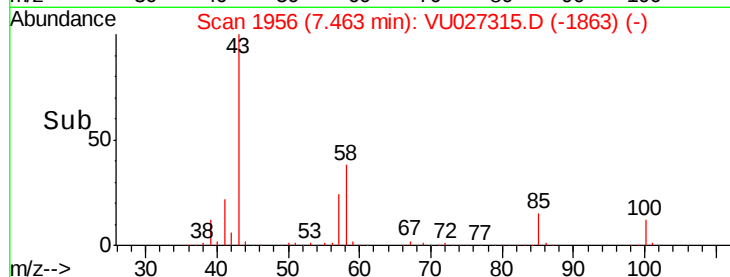
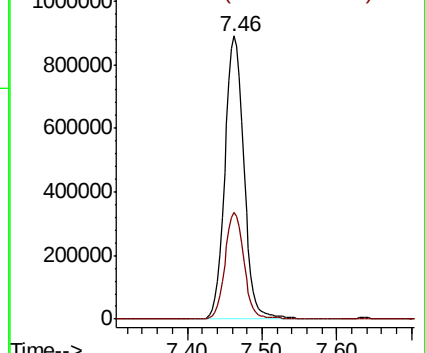
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 105.445 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027315.D

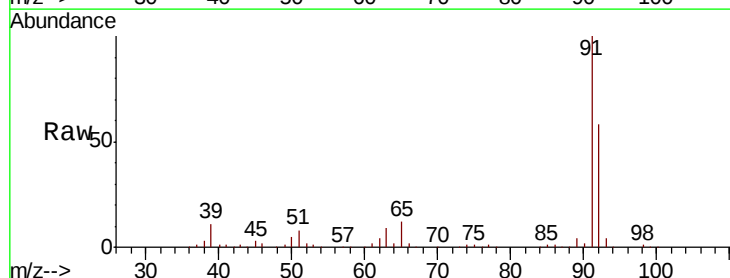
Acq: 01 Oct 2018 11:39

Tgt Ion: 92 Resp: 406801

Ion Ratio Lower Upper

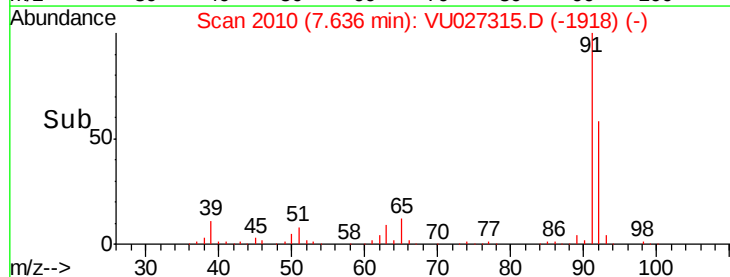
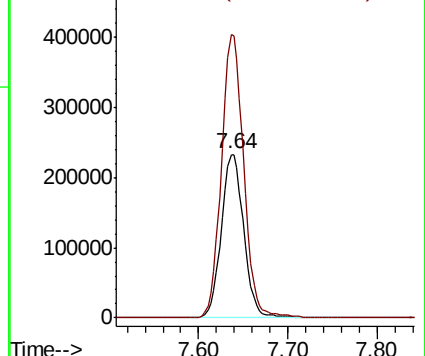
92 100

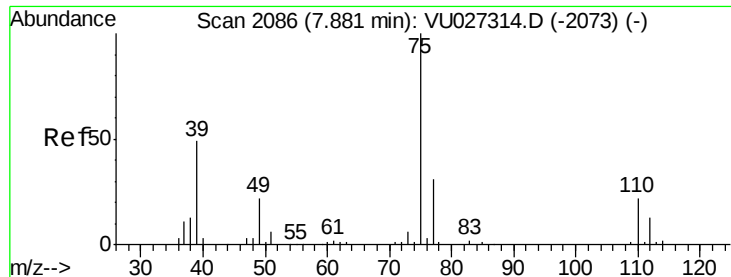
91 171.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





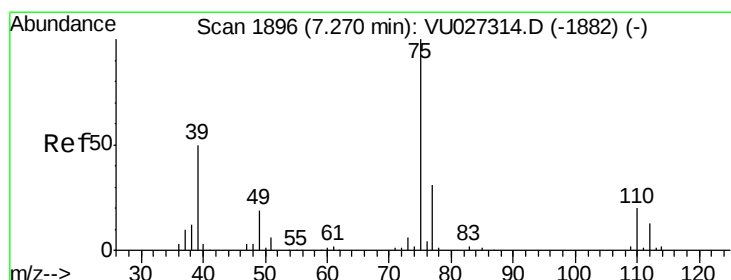
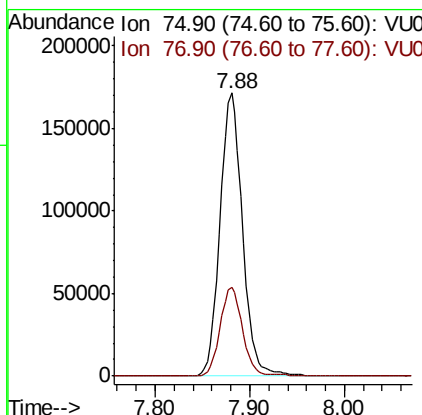
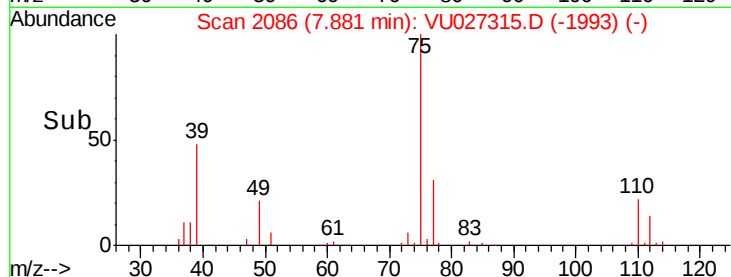
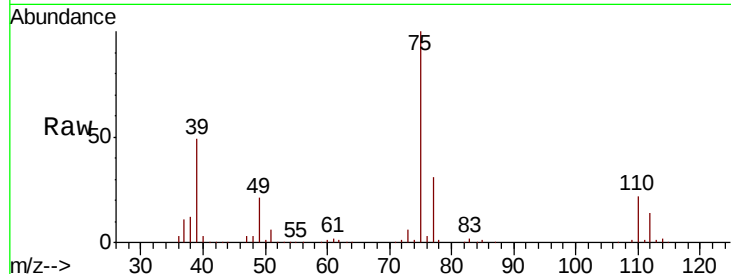
#53
t-1,3-Dichloropropene
Concen: 109.596 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 283114
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

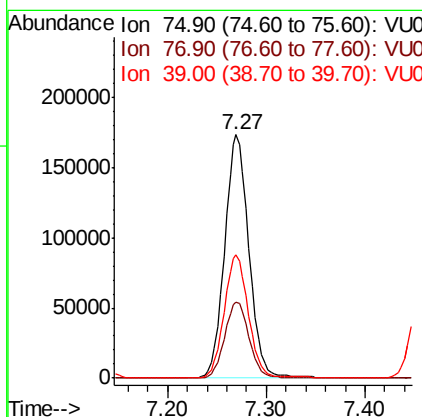
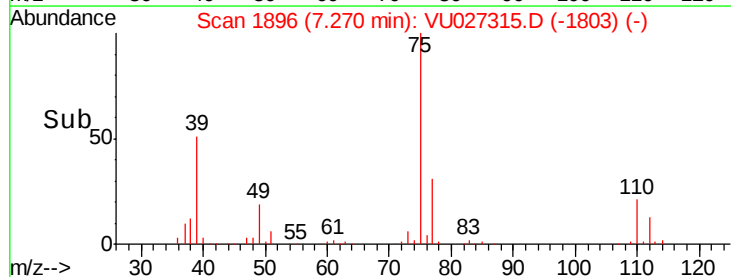
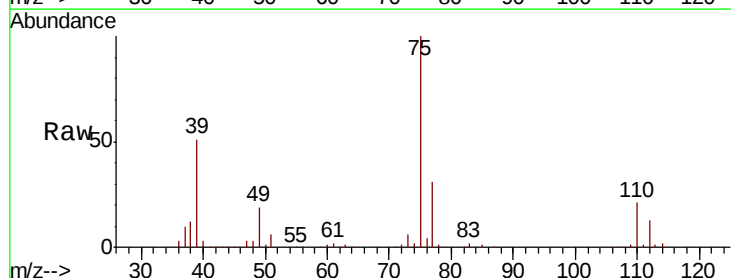
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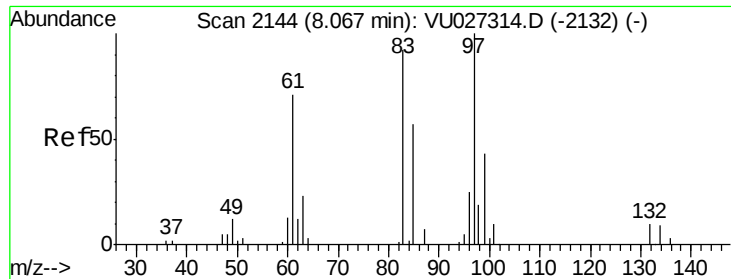
MMDadoda
10/3/2018 11:41:43 AM



#54
cis-1,3-Dichloropropene
Concen: 107.763 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion: 75 Resp: 299264
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7
39 50.8 40.1 60.1





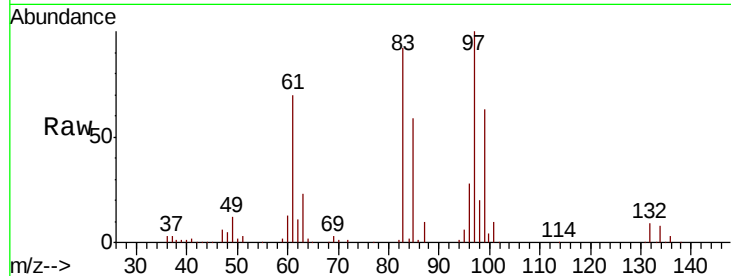
#55
 1,1,2-Trichloroethane
 Concen: 104.303 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

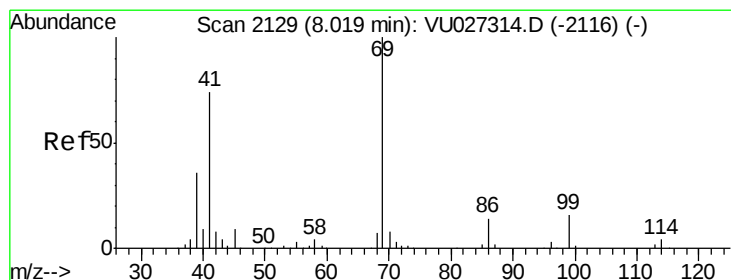
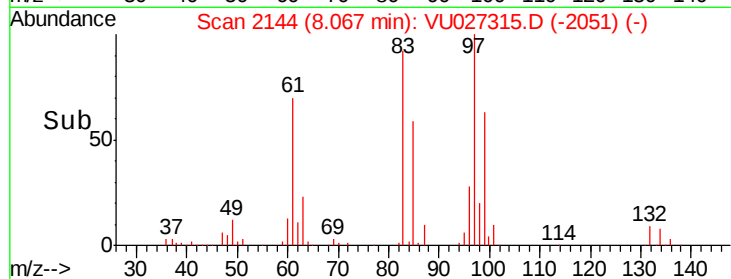
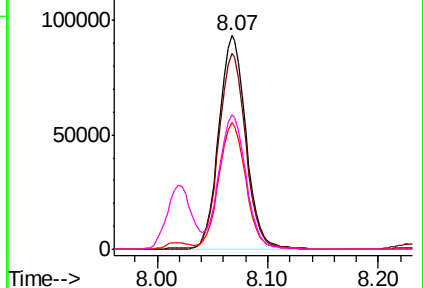
Tot Ion:	97	Resp:	159544
Ion	Ratio	Lower	Upper
97	100		
83	91.9	73.0	109.6
85	59.4	47.3	70.9
99	63.0	49.7	74.5

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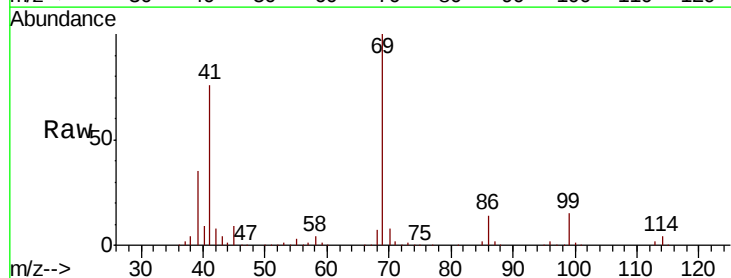


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

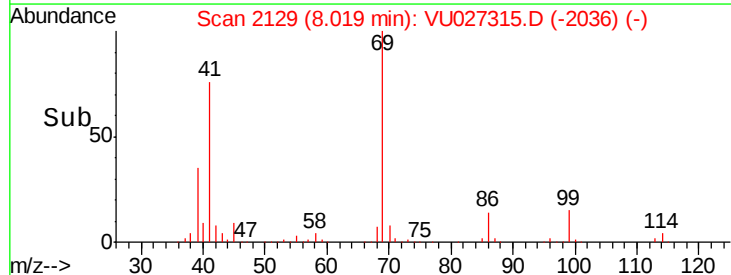
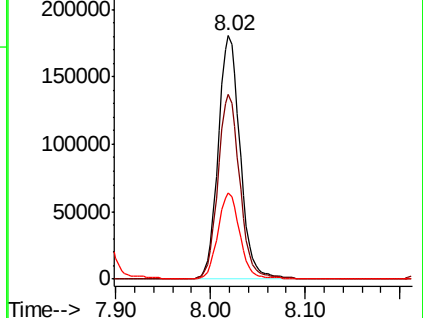


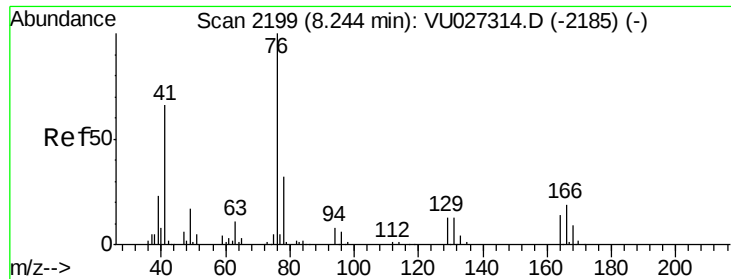
#56
 Ethyl methacrylate
 Concen: 114.615 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion:	69	Resp:	290957
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.0	90.0
39	35.4	29.5	44.3



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 104.422 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tot Ion: 76 Resp: 310072

Ion Ratio Lower Upper

76 100

78 31.3 25.8 38.6

Instrument :

MSVOA_U

ClientSampleId :

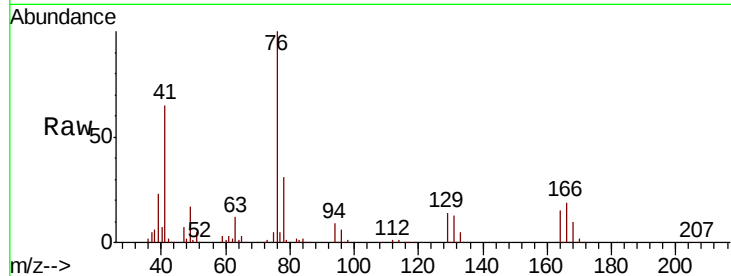
VSTDIC100

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

200000

150000

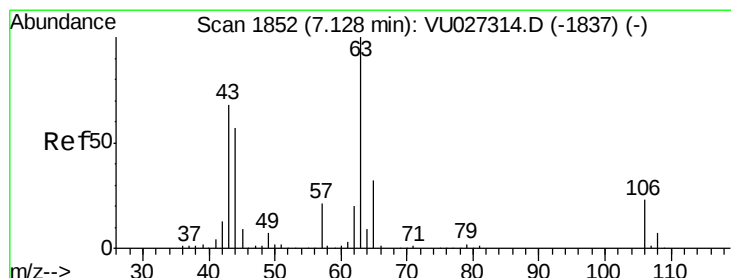
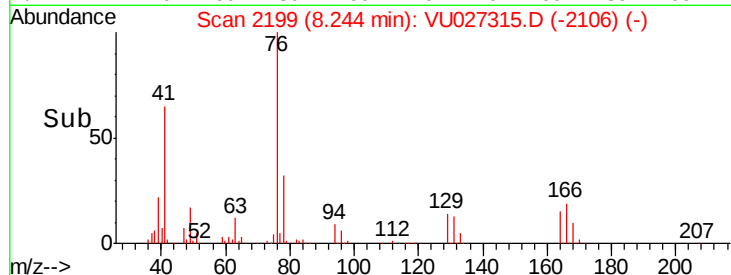
100000

50000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 566.471 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027315.D

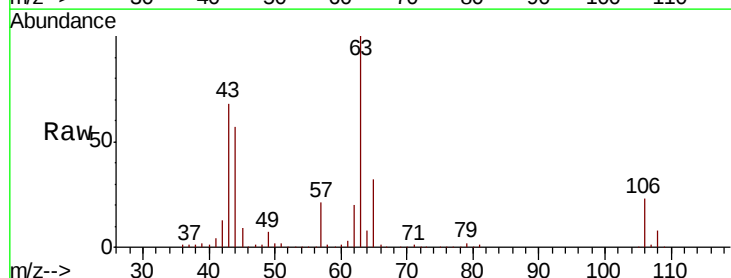
Acq: 01 Oct 2018 11:39

Tgt Ion: 63 Resp: 803331

Ion Ratio Lower Upper

63 100

106 23.0 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

500000

400000

300000

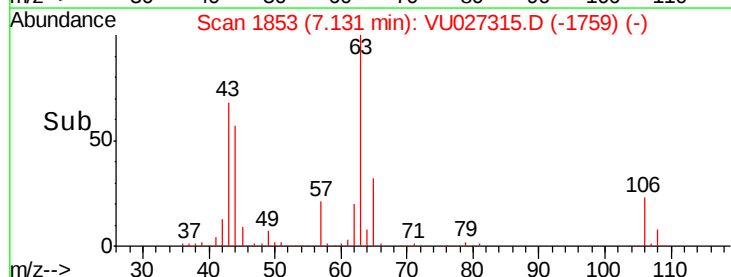
200000

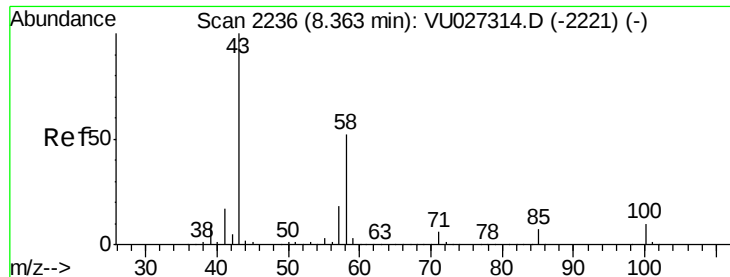
100000

0

7.00 7.10 7.20 7.30

Time-->





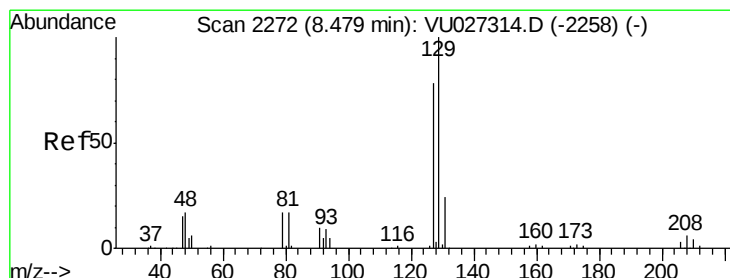
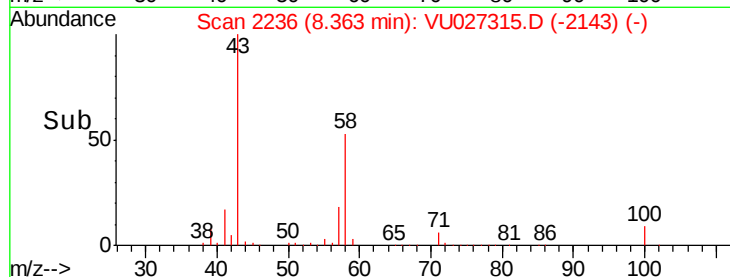
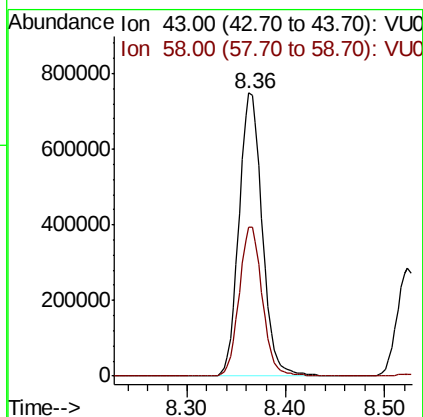
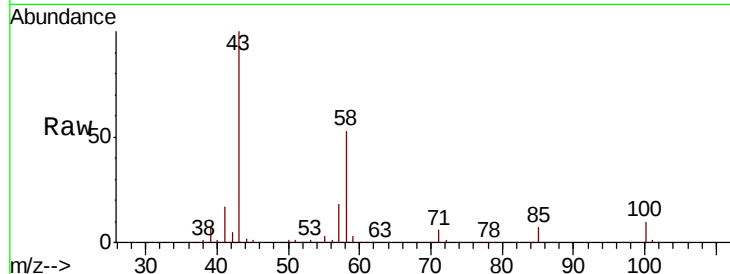
#59
2-Hexanone
Concen: 539.192 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1220756
Ion Ratio Lower Upper
43 100
58 52.6 26.1 78.3

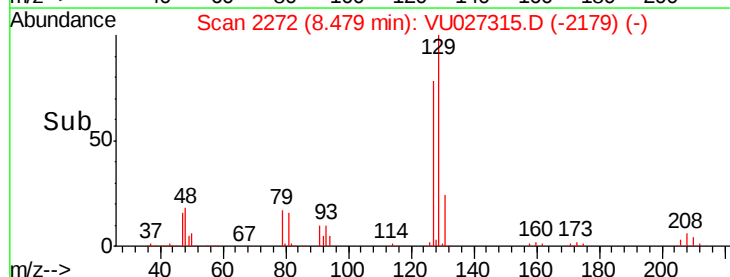
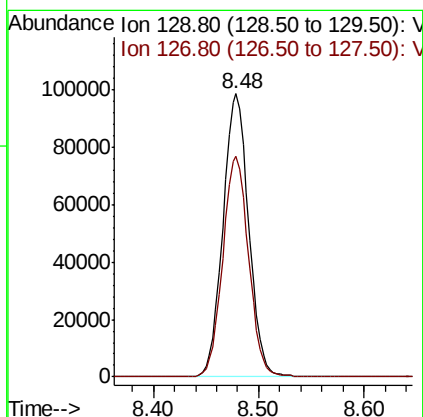
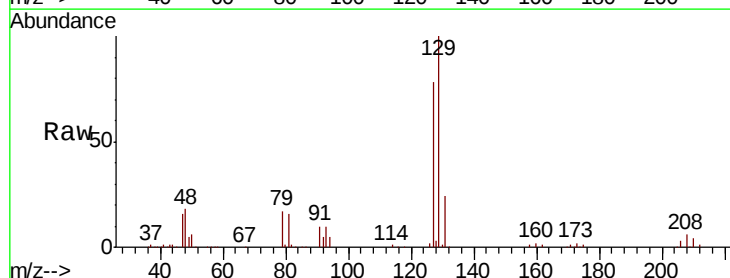
Manual Integrations
APPROVED

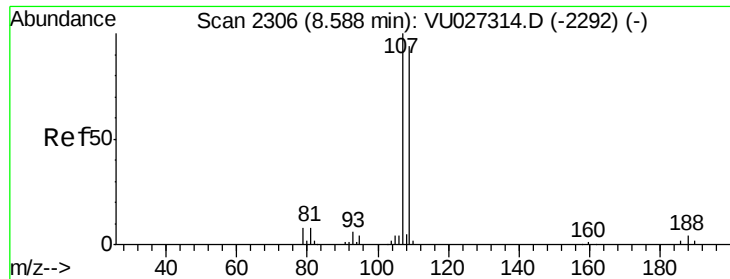
MMDadoda
10/3/2018 11:41:43 AM



#60
Dibromochloromethane
Concen: 108.455 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion: 129 Resp: 166384
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 104.656 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 170205

Ion Ratio Lower Upper

107 100

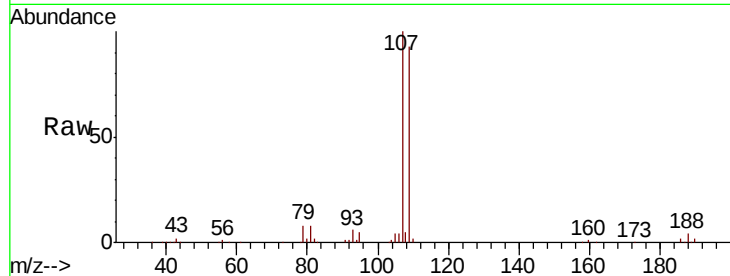
109 93.4 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

120000

100000

80000

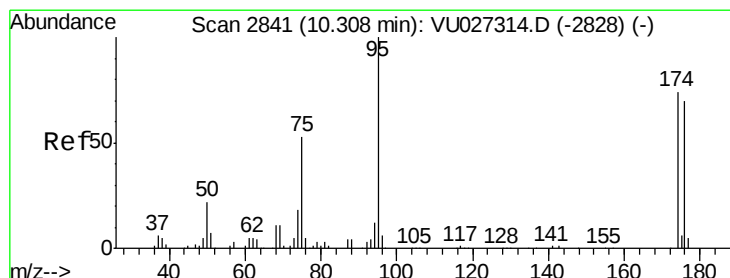
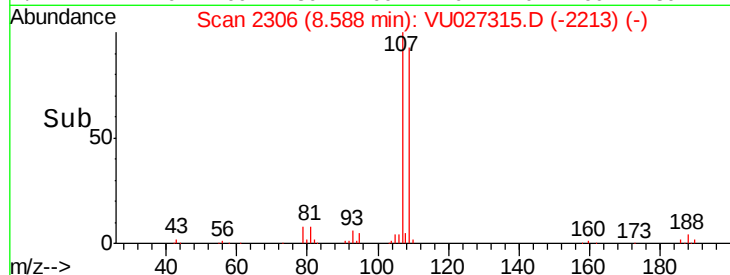
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 105.371 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

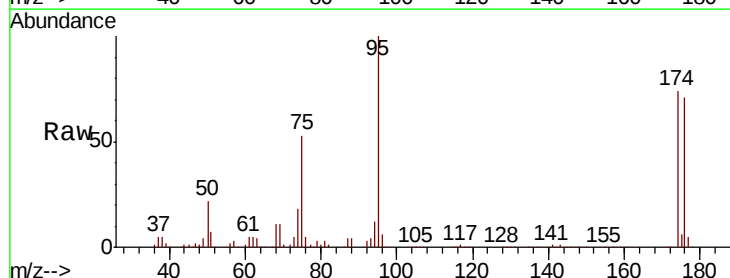
Tgt Ion: 95 Resp: 203728

Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.8

176 71.3 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

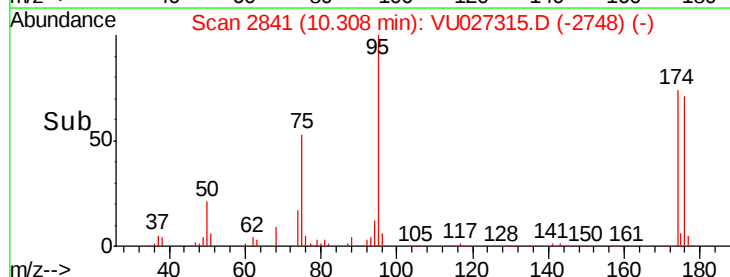
150000

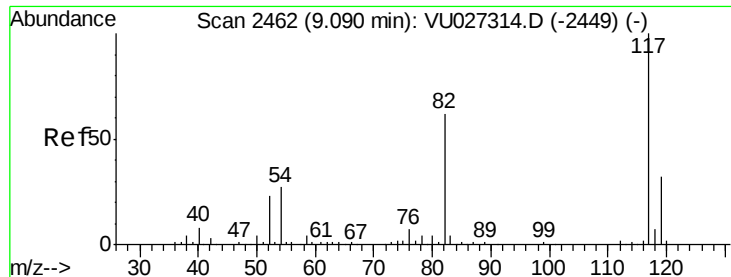
100000

50000

0

Time-->





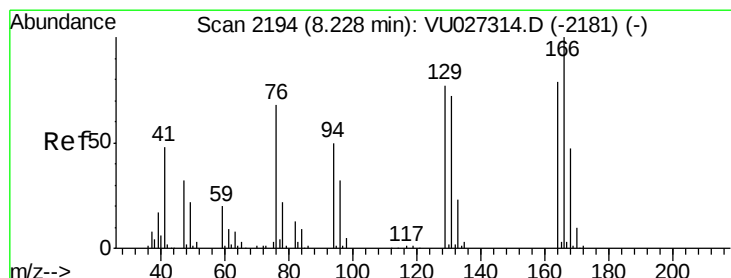
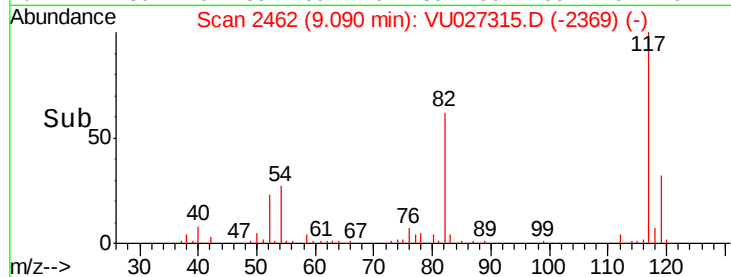
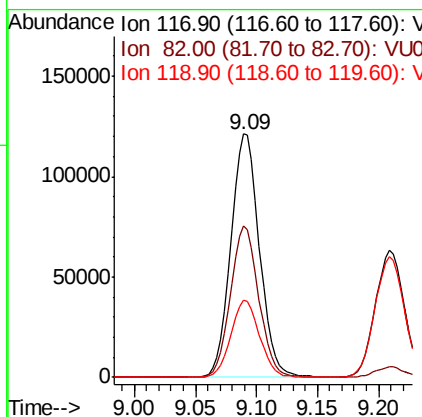
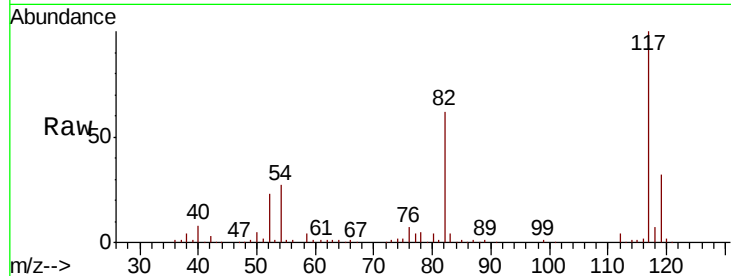
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	31.7	25.7	38.5

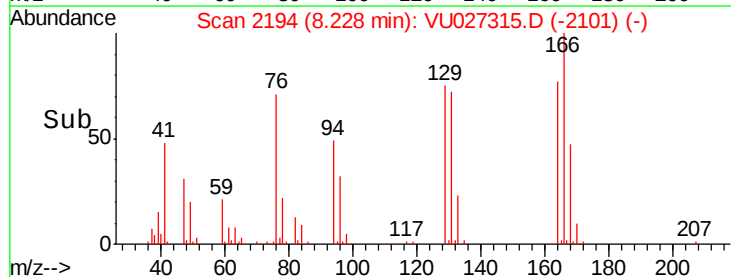
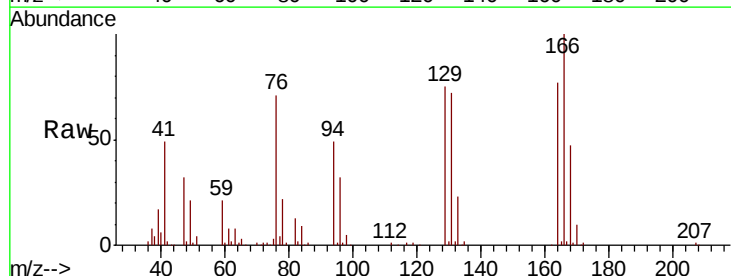
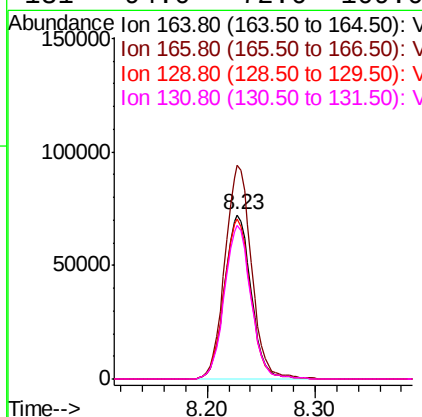
Manual Integrations
APPROVED

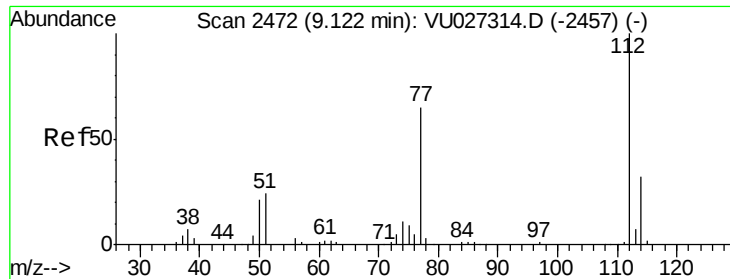
MMDadoda
10/3/2018 11:41:43 AM



#64
Tetrachloroethene
Concen: 100.999 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.0	151.6
129	97.6	78.0	117.0
131	94.0	72.6	109.0





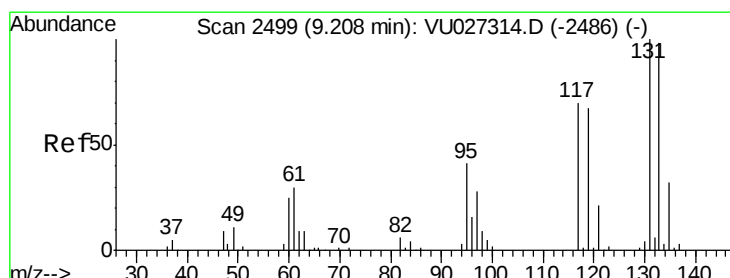
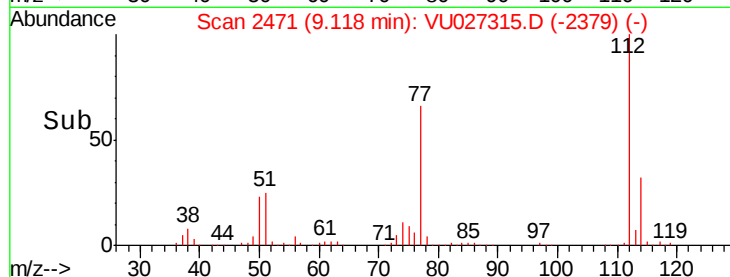
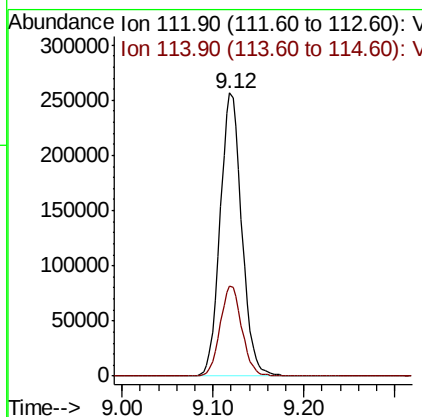
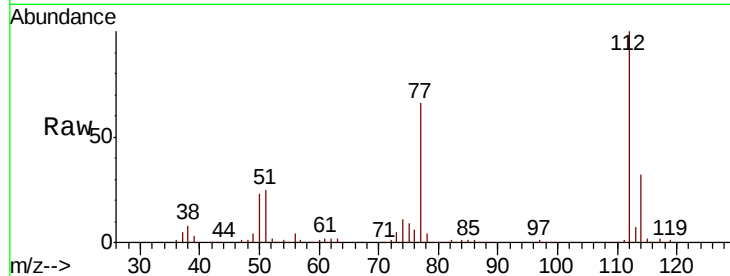
#65
Chlorobenzene
Concen: 101.461 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 422746
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

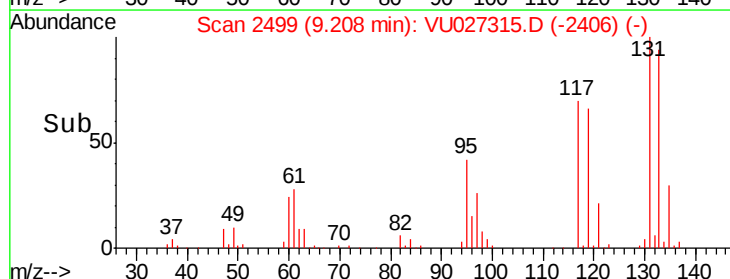
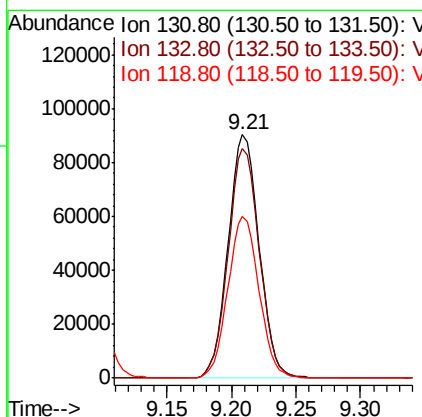
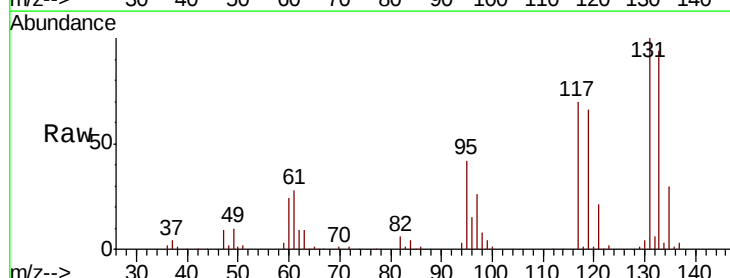
Manual Integrations
APPROVED

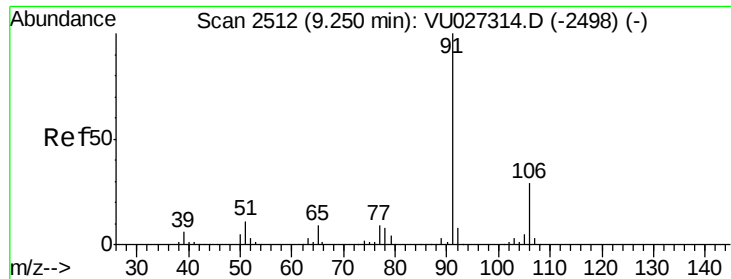
MMDadoda
10/3/2018 11:41:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.555 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion:131 Resp: 150389
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.6
119 66.9 33.5 100.4





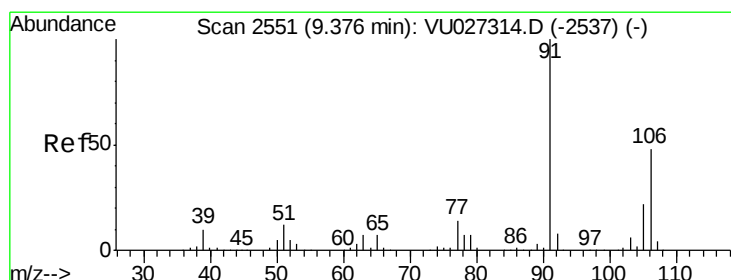
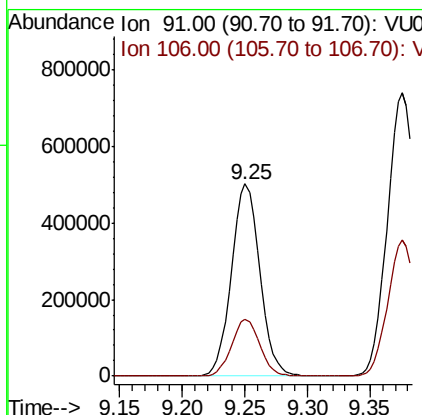
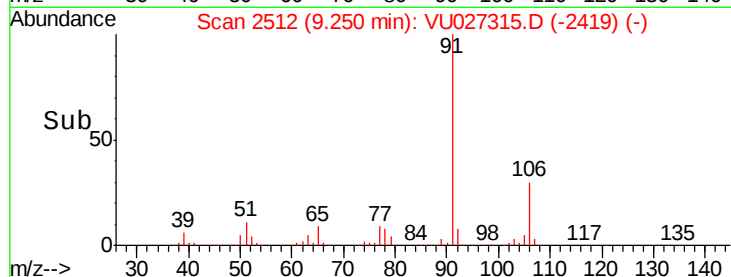
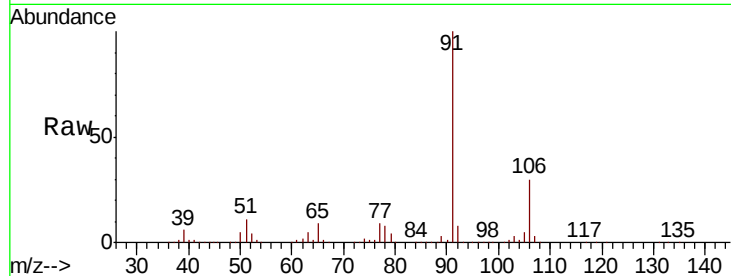
#67
Ethyl Benzene
Concen: 107.029 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 790090
Ion Ratio Lower Upper
91 100
106 29.6 23.6 35.4

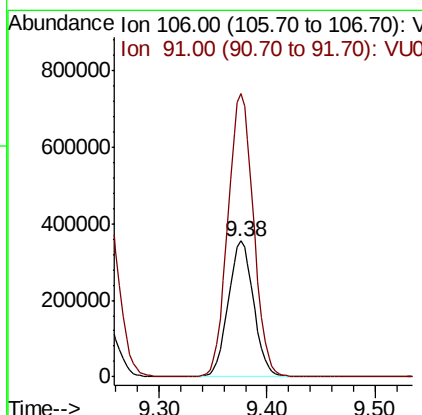
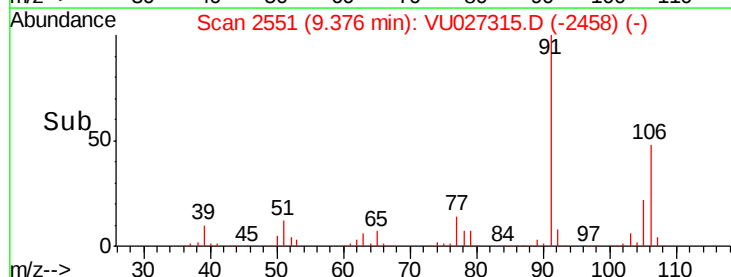
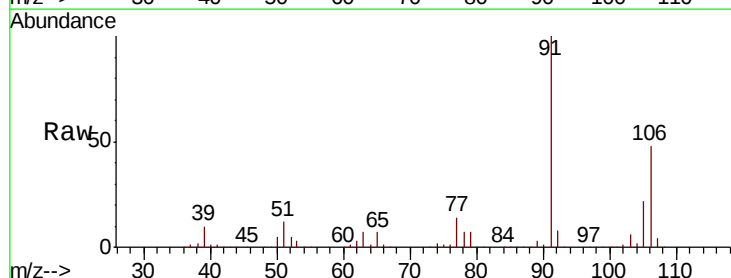
Manual Integrations
APPROVED

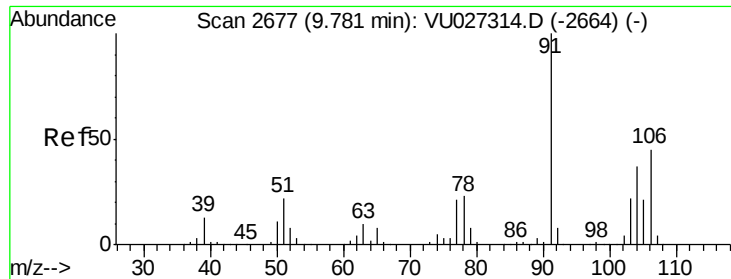
MMDadoda
10/3/2018 11:41:43 AM



#68
m/p-Xylenes
Concen: 215.533 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion: 106 Resp: 581986
Ion Ratio Lower Upper
106 100
91 210.6 168.1 252.1





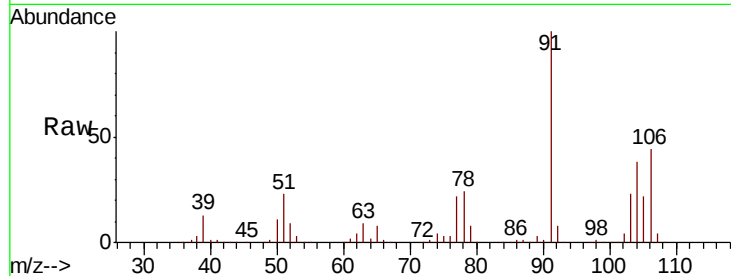
#69
o-Xylene
Concen: 109.791 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

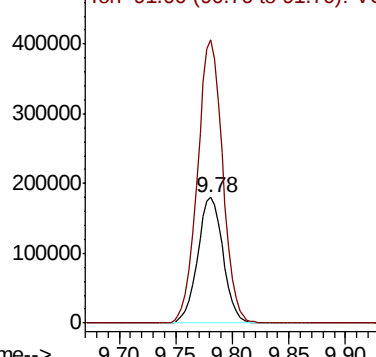
Tot Ion	Ratio	Lower	Upper
106	100		
91	223.1	111.7	334.9

Manual Integrations
APPROVED

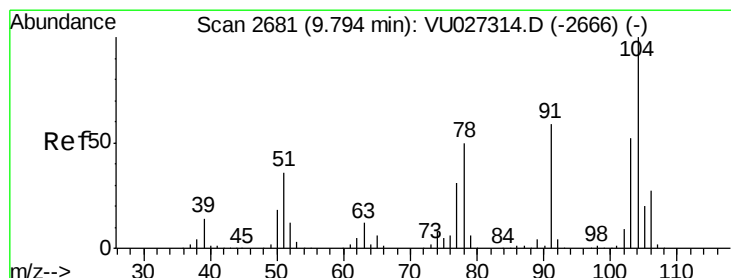
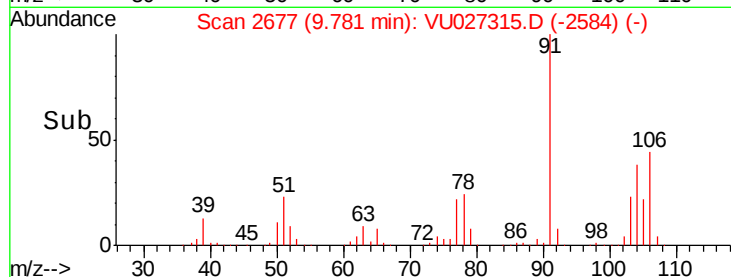
MMDadoda
10/3/2018 11:41:43 AM



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

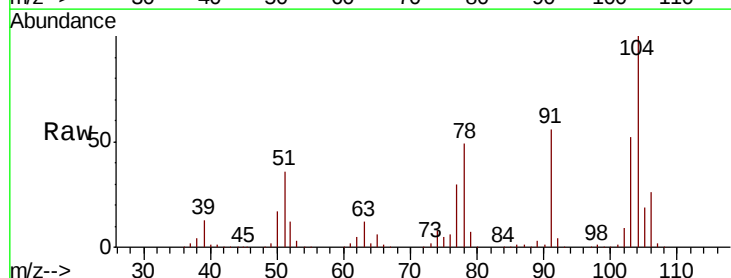


Time-->

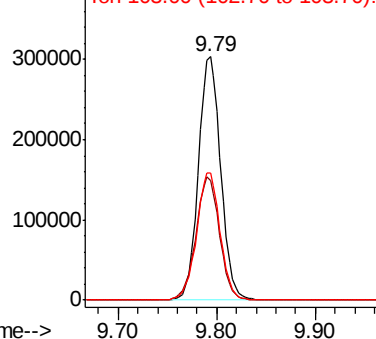


#70
Styrene
Concen: 113.135 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

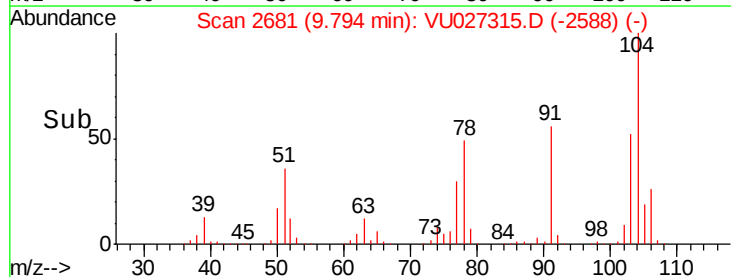
Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.9	64.3
103	55.1	43.9	65.9

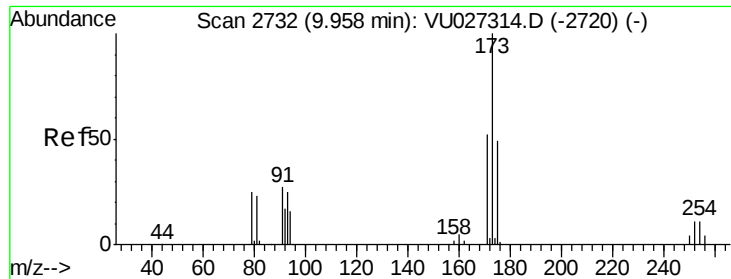


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 107.864 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 124826

Ion Ratio Lower Upper

173 100

175 48.2 24.3 73.0

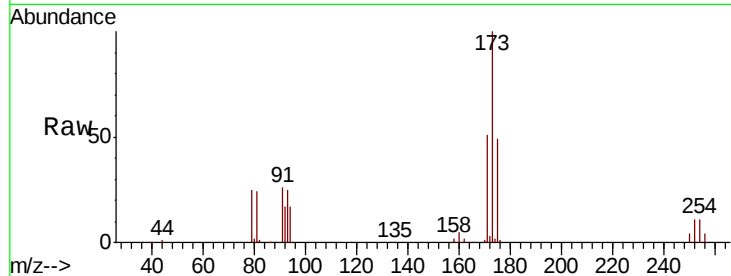
254 0.1 0.0 0.0#

Manual Integrations

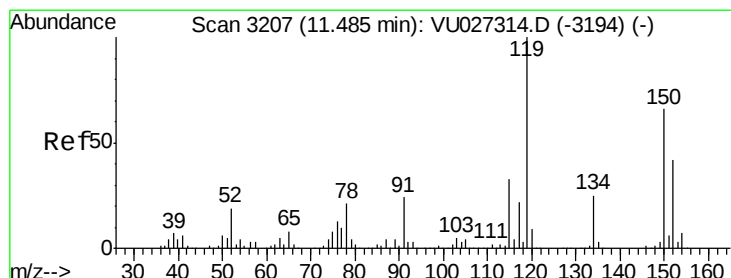
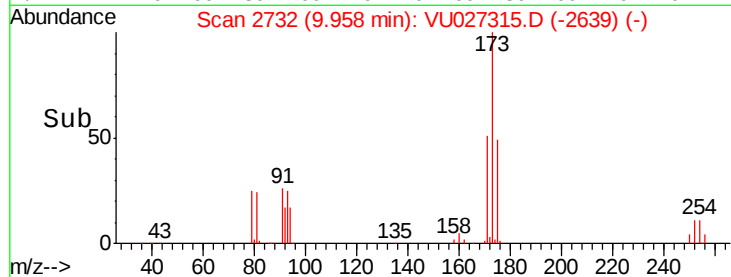
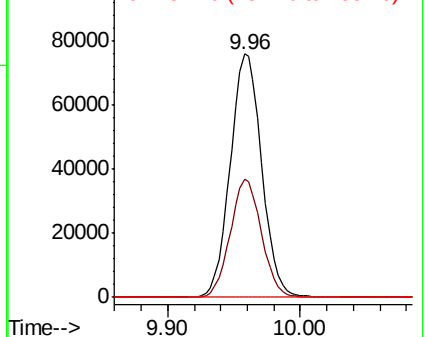
APPROVED

MMDadoda

10/3/2018 11:41:43 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: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

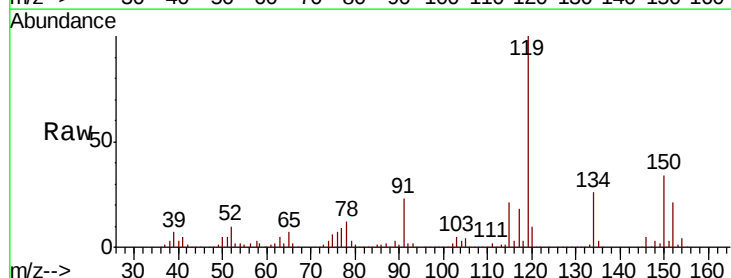
Tgt Ion:152 Resp: 101978

Ion Ratio Lower Upper

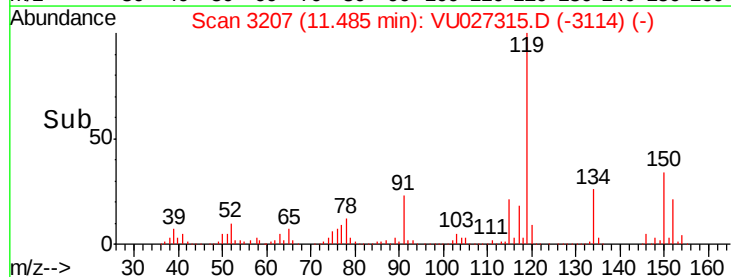
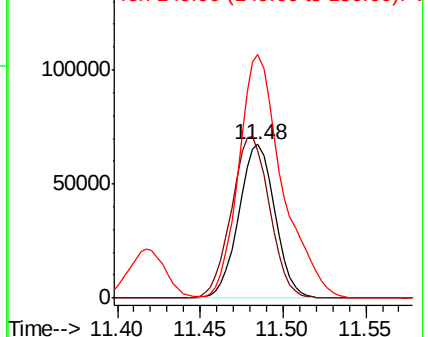
152 100

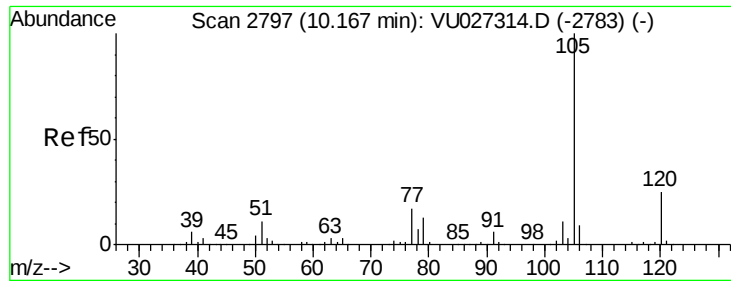
115 111.5 43.4 130.2

150 190.6 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





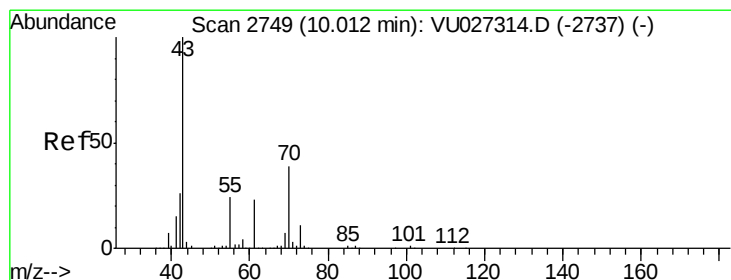
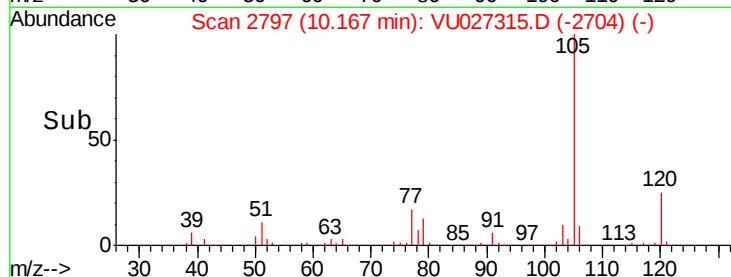
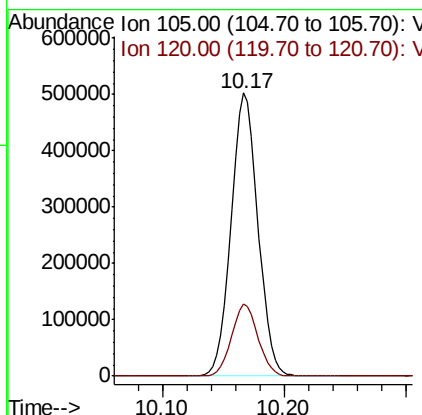
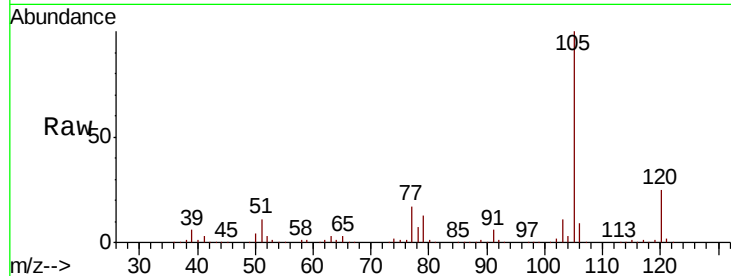
#73
Isopropylbenzene
Concen: 103.829 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.6	37.8

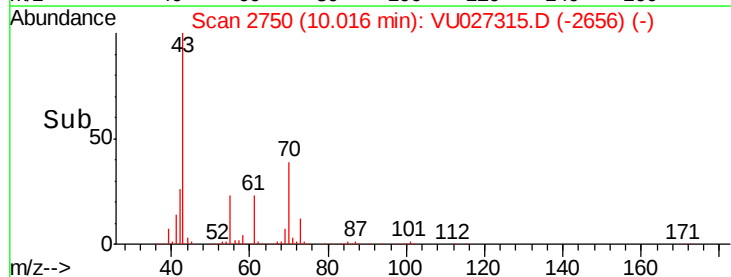
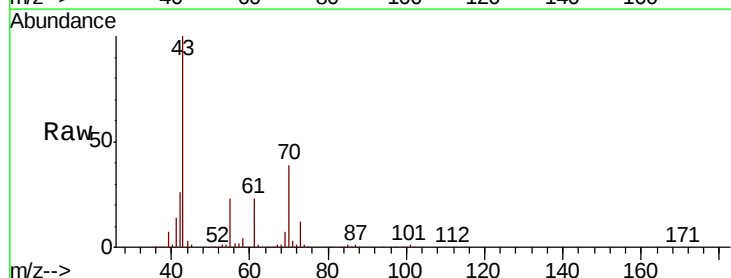
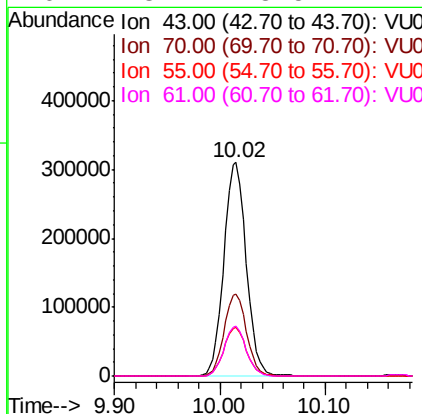
Manual Integrations
APPROVED

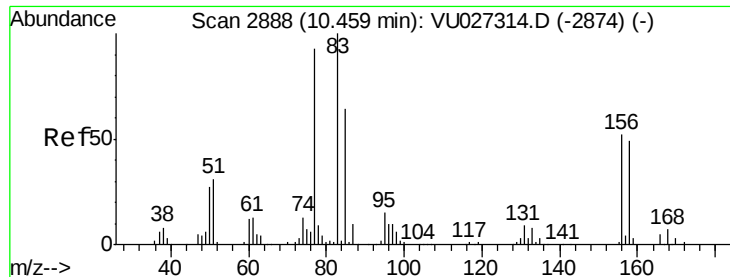
MMDadoda
10/3/2018 11:41:43 AM



#74
N-ethyl acetate
Concen: 107.471 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.3	46.9
55	23.0	19.0	28.6
61	23.2	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 97.564 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

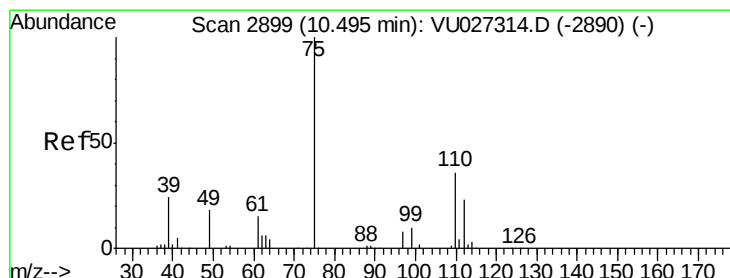
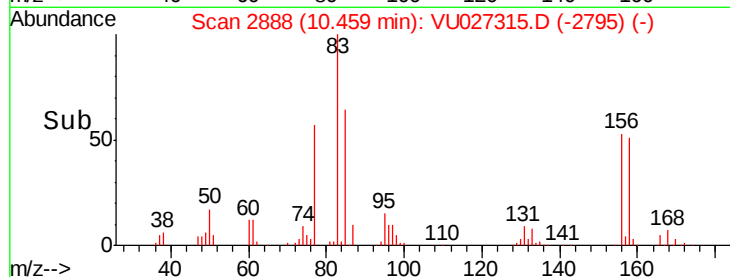
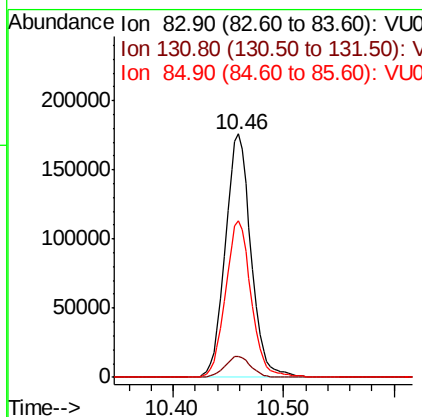
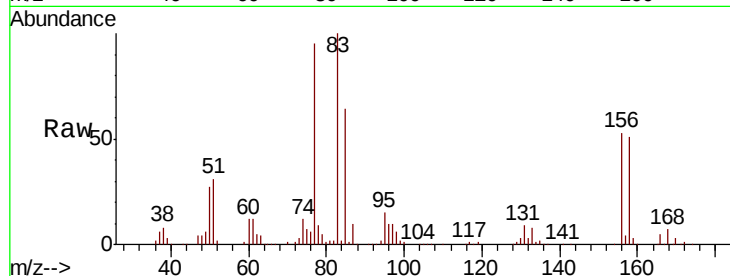
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	283737
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.4	13.2
85	64.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 85.679 ug/l m

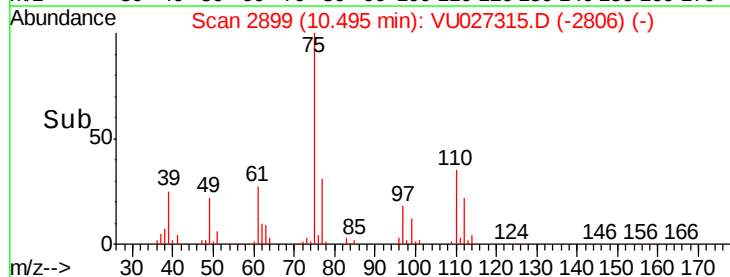
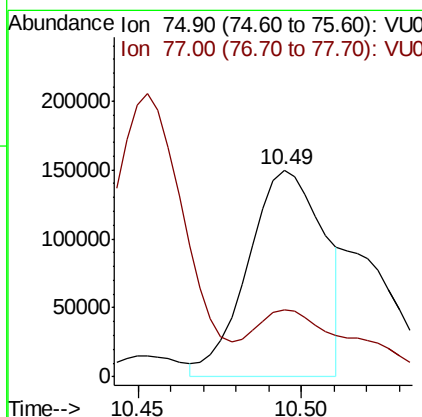
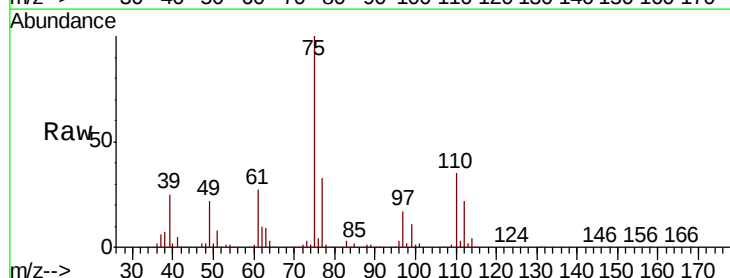
RT: 10.49 min Scan# 2899

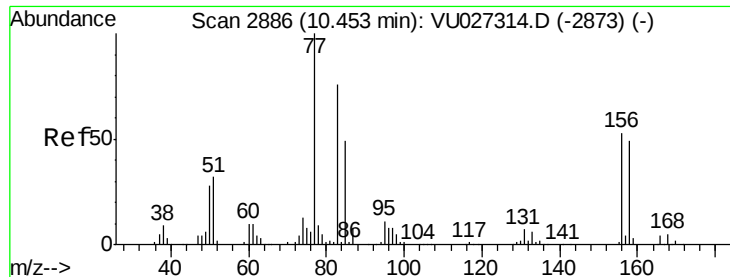
Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion:	75	Resp:	243583
Ion Ratio	Lower	Upper	
75	100		
77	44.0	20.3	60.9





#77

Bromobenzene

Concen: 101.393 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

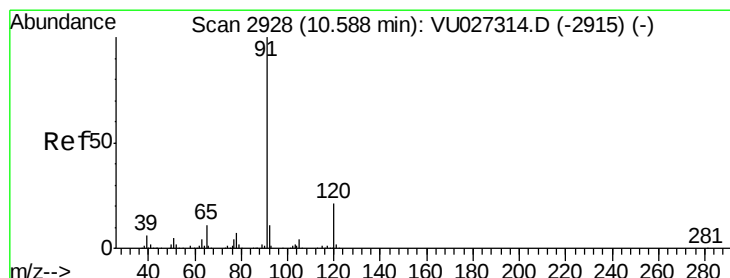
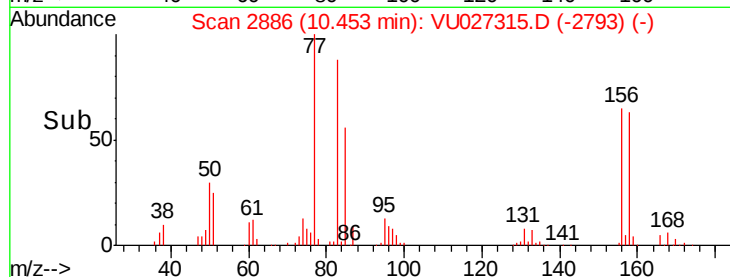
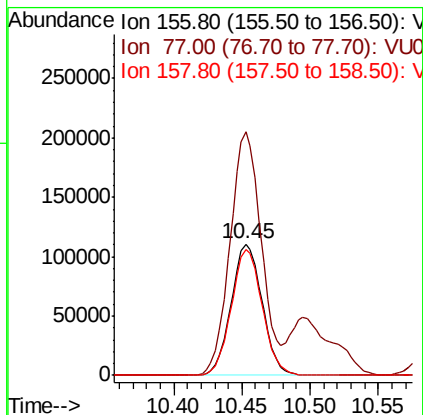
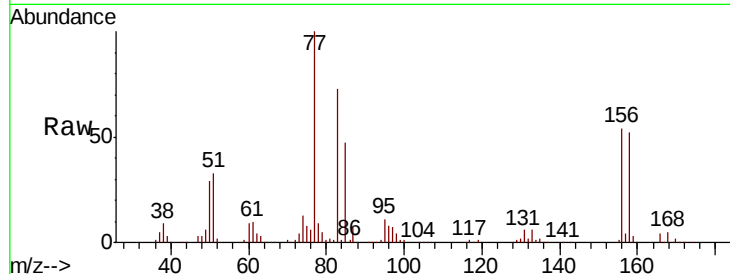
ClientSampleId :

VSTDICC100

Tot Ion:	156	Resp:	174528
Ion Ratio	Lower	Upper	
156	100		
77	187.5	94.8	284.4
158	95.7	47.4	142.3

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#78

n-propylbenzene

Concen: 105.723 ug/l

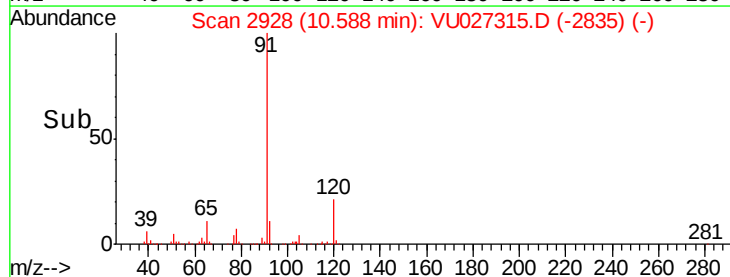
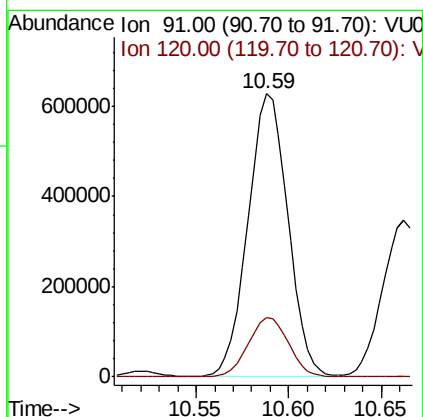
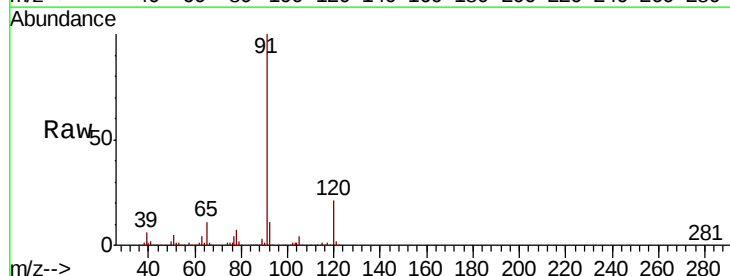
RT: 10.59 min Scan# 2928

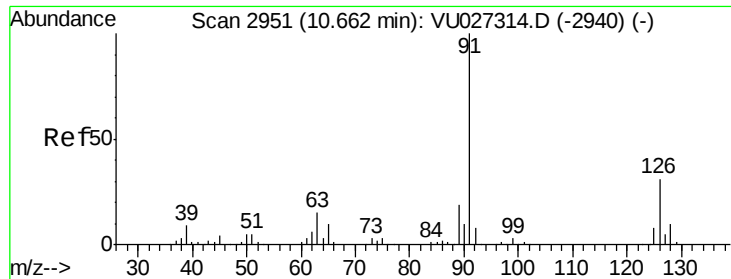
Delta R.T. 0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Tgt Ion:	91	Resp:	940919
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.6	31.8





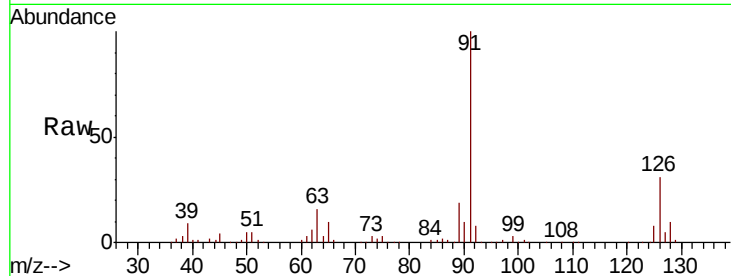
#79
2-Chlorotoluene
Concen: 100.876 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

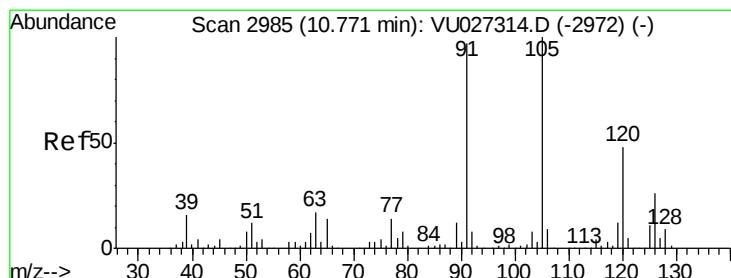
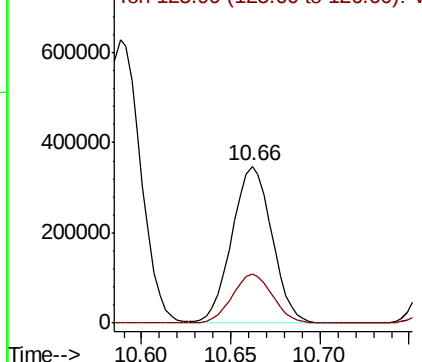
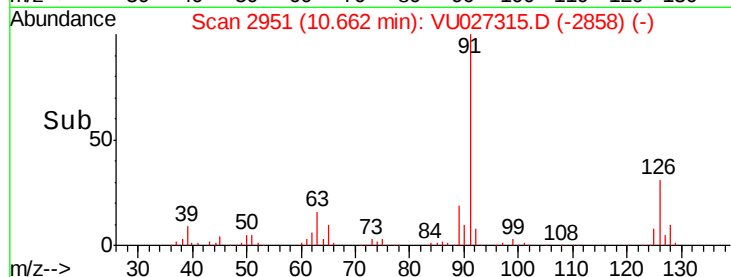
Tot Ion: 91 Resp: 542071
Ion Ratio Lower Upper
91 100
126 31.2 15.7 47.1

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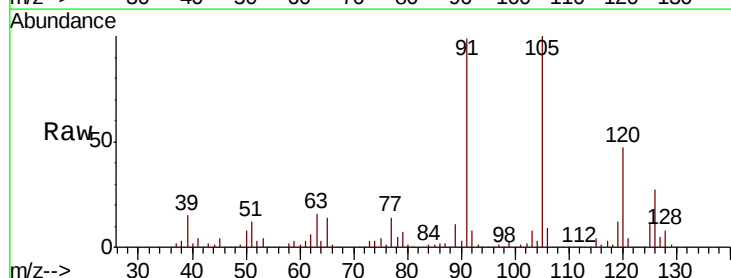


Abundance Ion 91.00 (90.70 to 91.70): VU027315.D (-2858) (-)
Ion 125.90 (125.60 to 126.60): VU027315.D (-2858) (-)

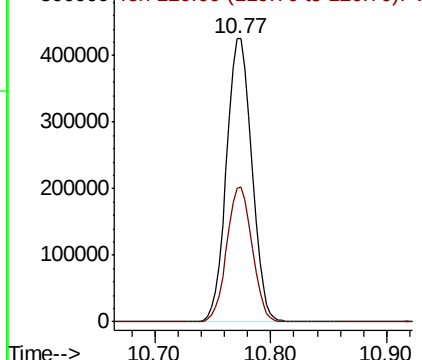
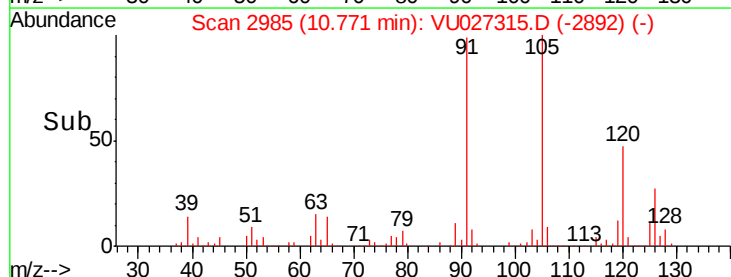


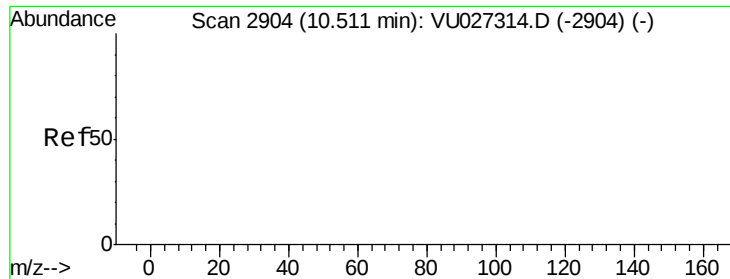
#80
1,3,5-Trimethylbenzene
Concen: 106.891 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion: 105 Resp: 644557
Ion Ratio Lower Upper
105 100
120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027315.D (-2892) (-)
Ion 120.00 (119.70 to 120.70): VU027315.D (-2892) (-)





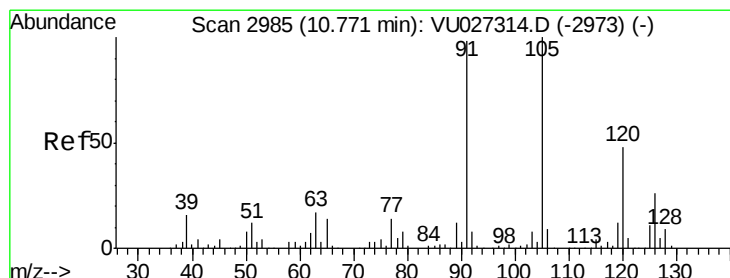
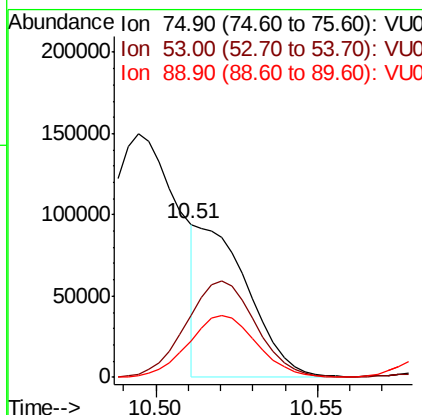
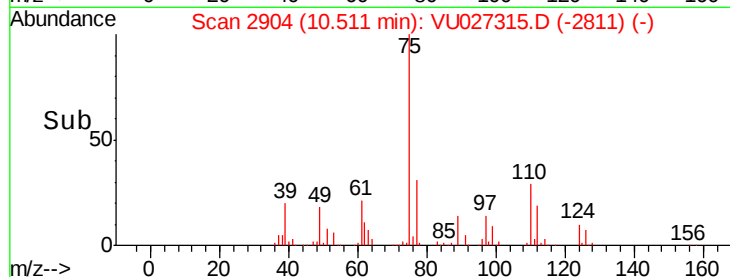
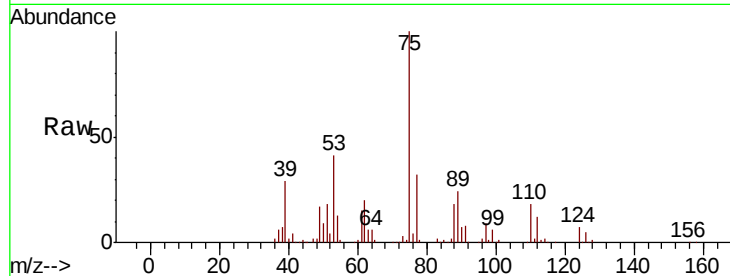
#81
trans-1,4-Dichloro-2-butene
Concen: 94.091 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

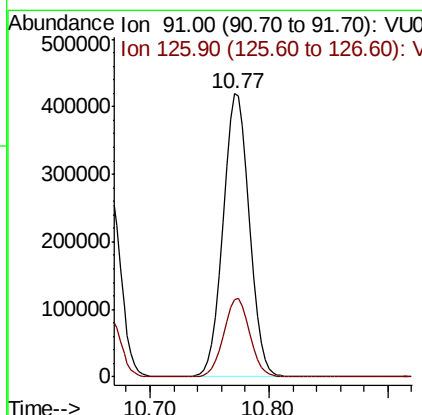
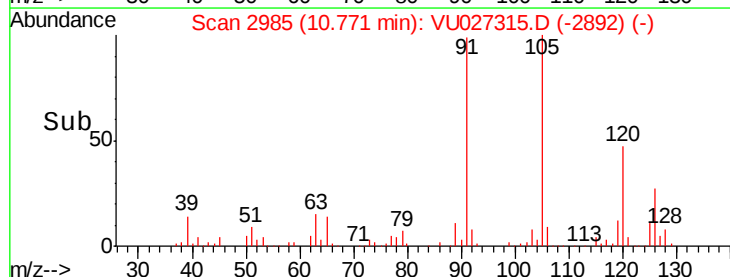
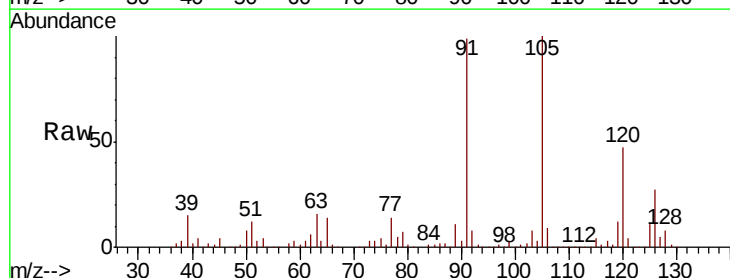
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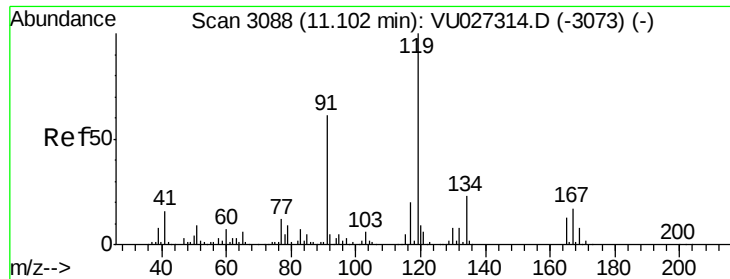
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#82
4-Chlorotoluene
Concen: 104.790 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.6	40.8





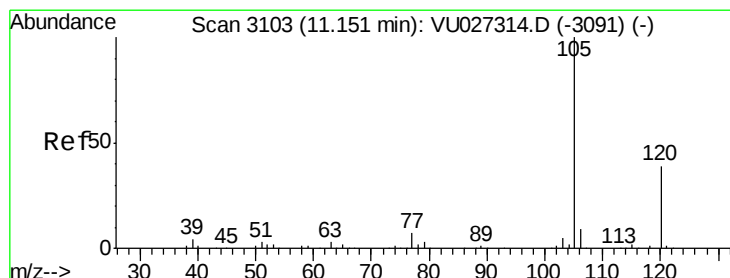
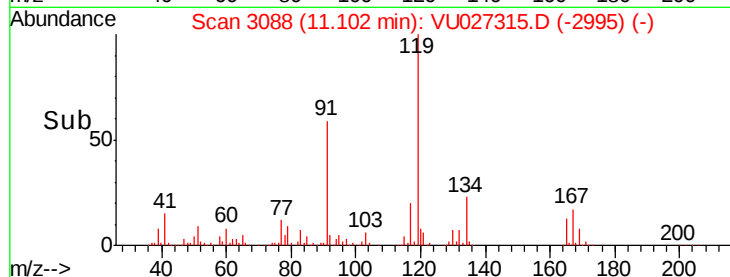
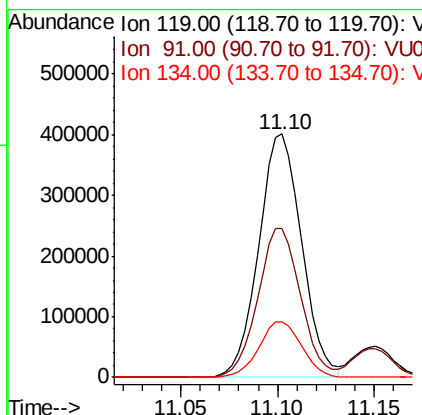
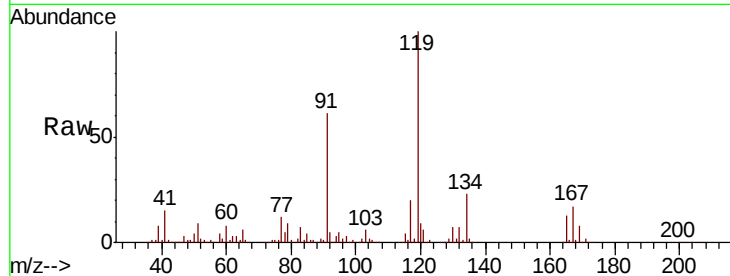
#83
tert-Butylbenzene
Concen: 106.314 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	619751		
91	60.7	30.3	91.0	
134	22.8	11.5	34.4	

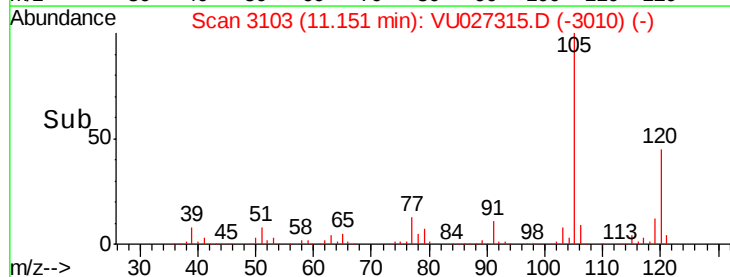
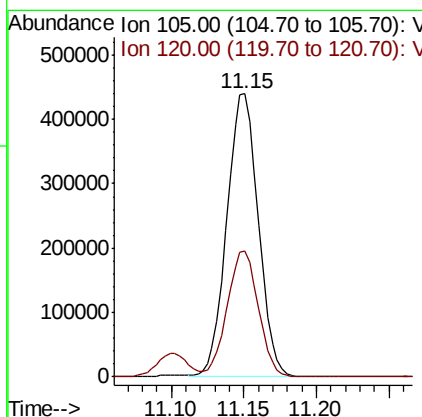
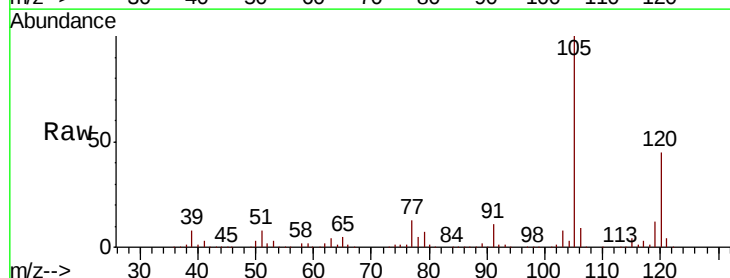
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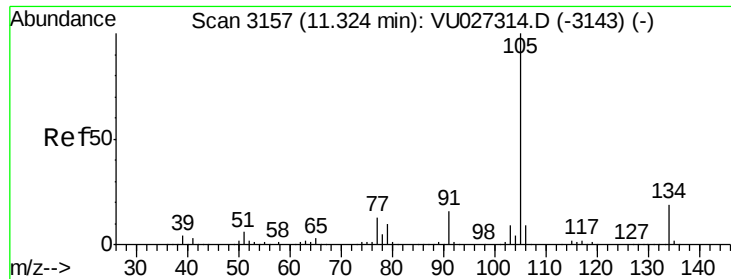
MMDadoda
10/3/2018 11:41:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 107.233 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	660515		
120	44.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 108.087 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 793890

Ion Ratio Lower Upper

105 100

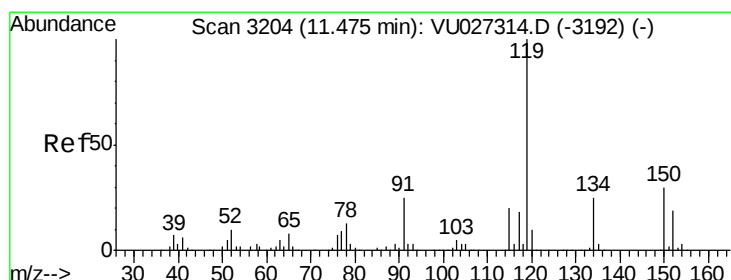
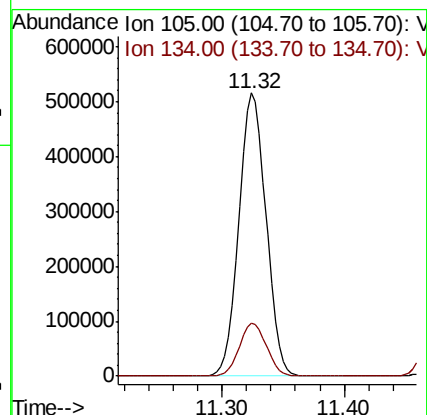
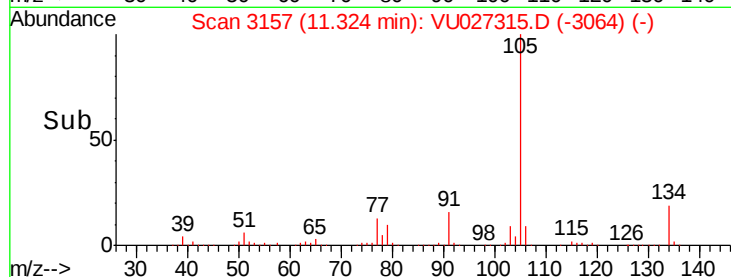
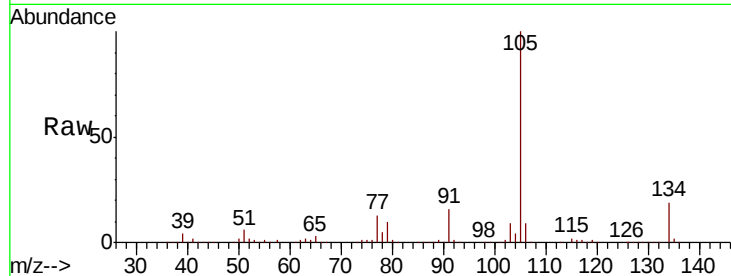
134 18.7 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 108.765 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027315.D

Acq: 01 Oct 2018 11:39

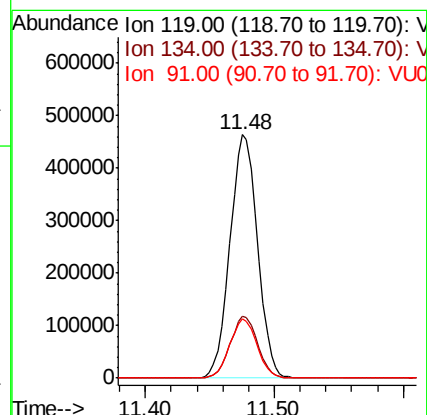
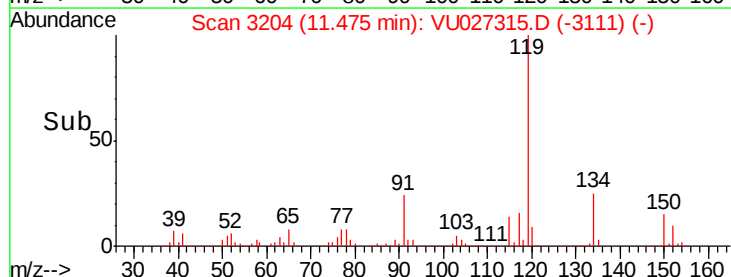
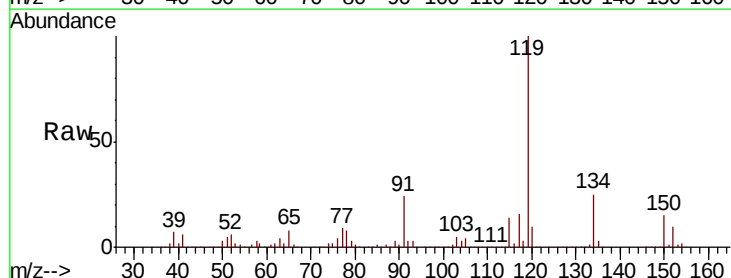
Tgt Ion:119 Resp: 683999

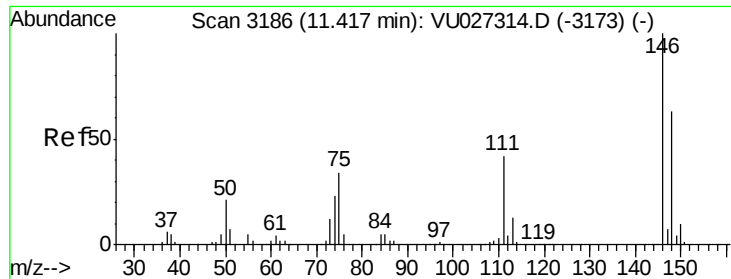
Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

91 24.3 12.2 36.4





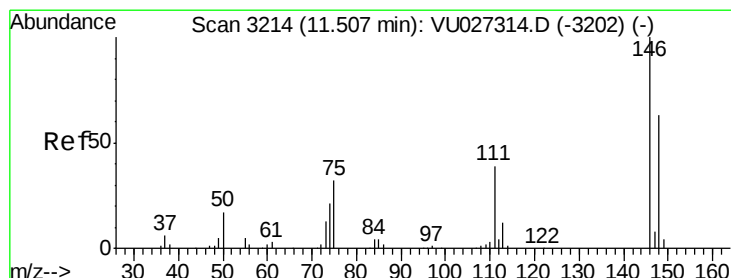
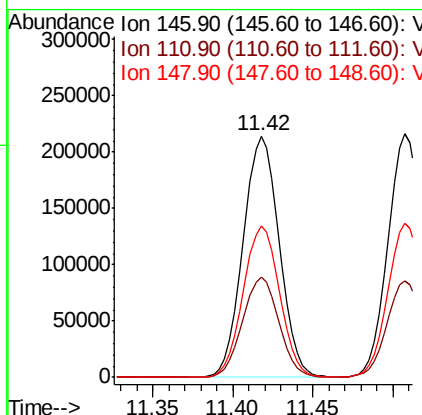
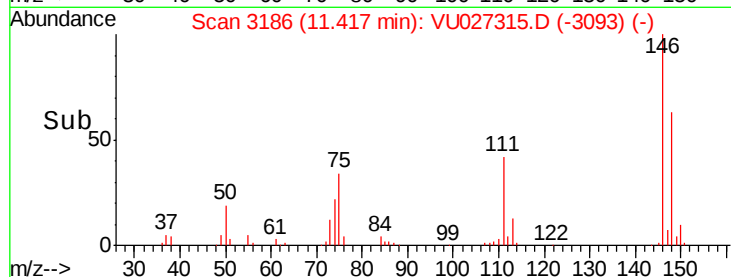
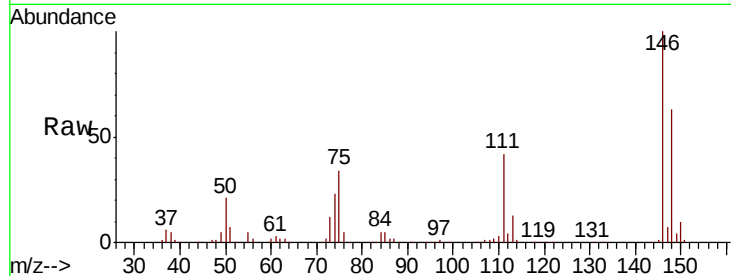
#87
 1,3-Dichlorobenzene
 Concen: 101.125 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.2	31.6	94.8

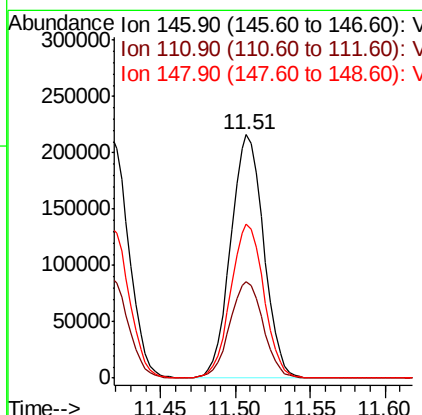
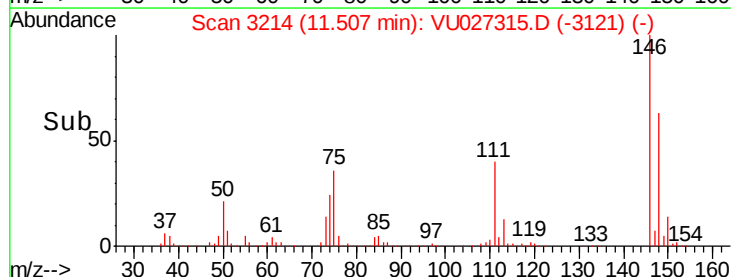
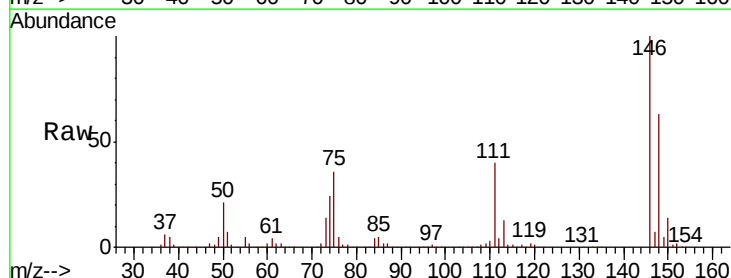
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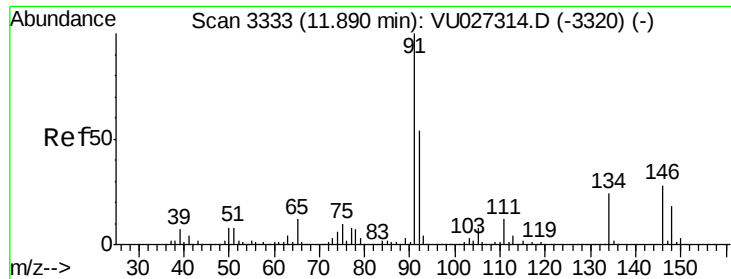
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#88
 1,4-Dichlorobenzene
 Concen: 99.339 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	63.7	31.9	95.5





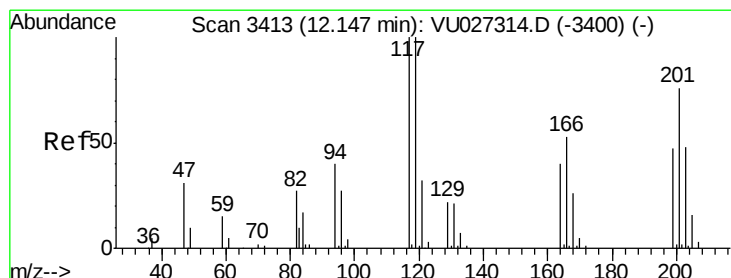
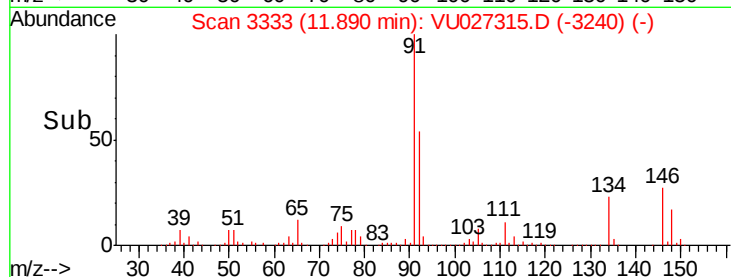
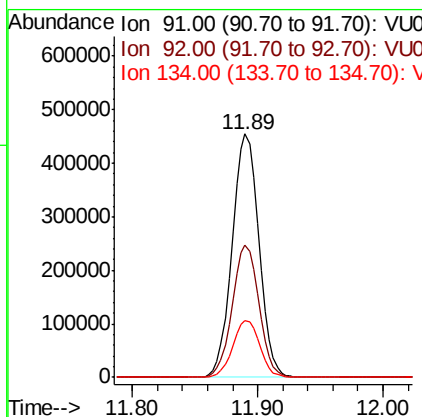
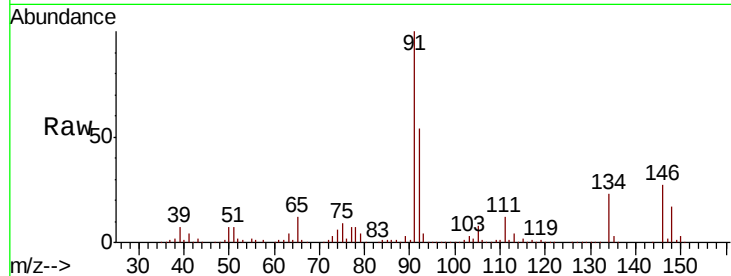
#89
n-Butylbenzene
Concen: 114.620 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.0	81.0
134	23.5	11.7	35.1

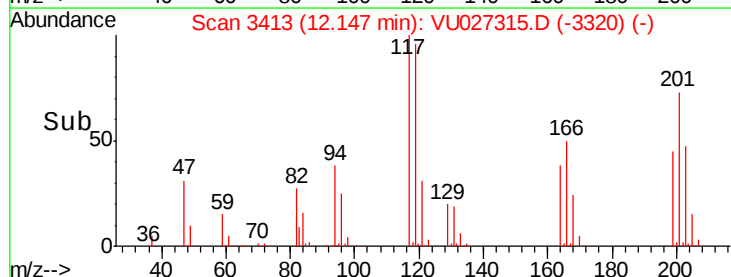
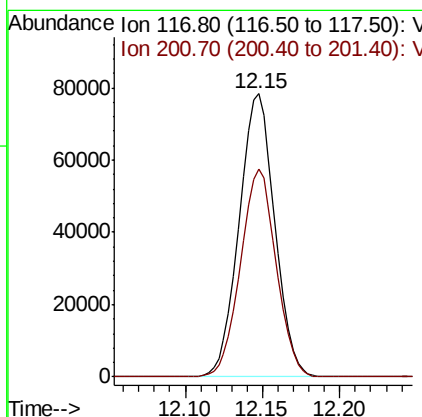
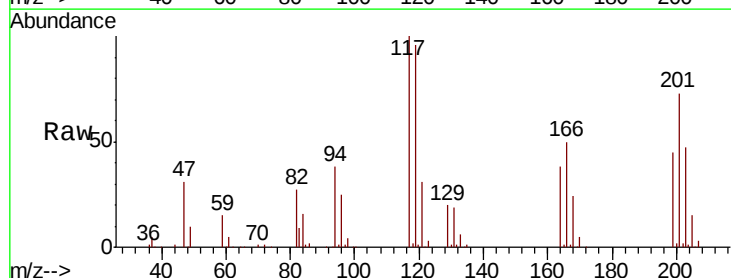
Manual Integrations
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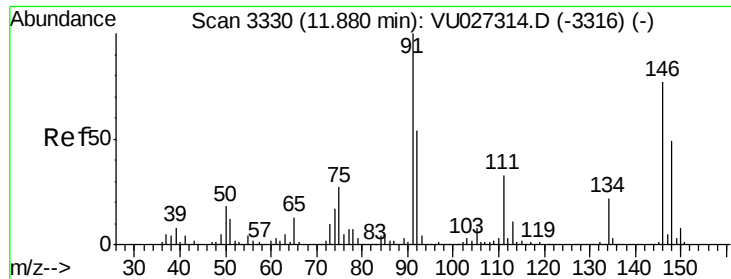
MMDadoda
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#90
Hexachloroethane
Concen: 105.830 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	37.9	113.6





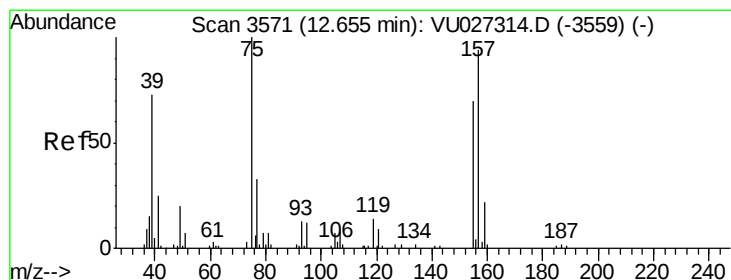
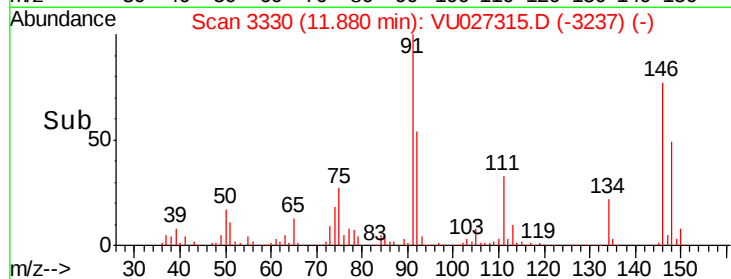
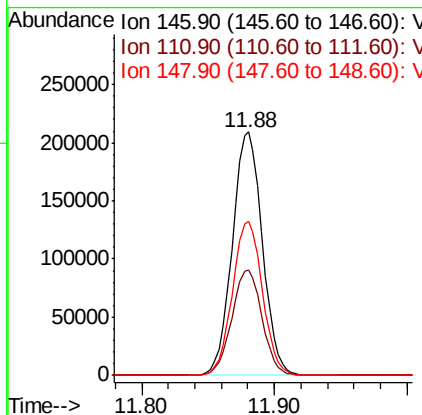
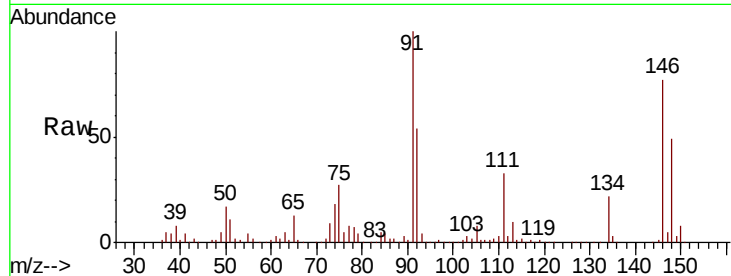
#91
 1,2-Dichlorobenzene
 Concen: 103.239 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.3	31.9	95.5

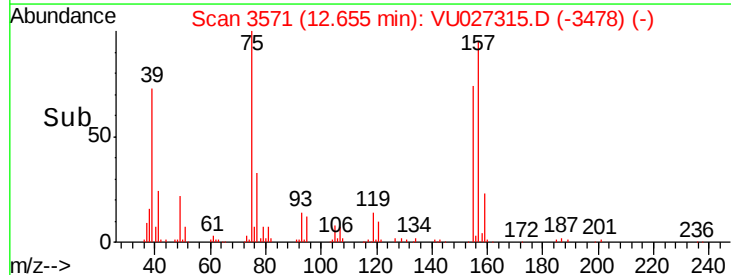
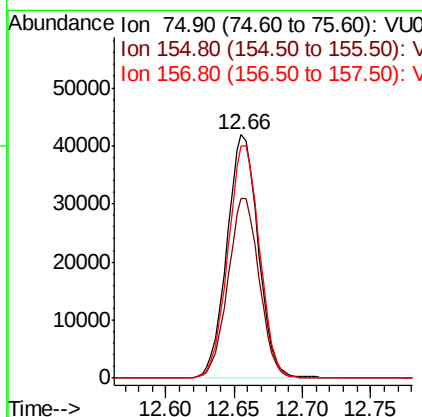
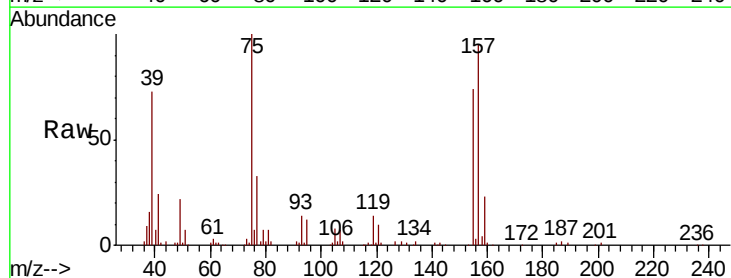
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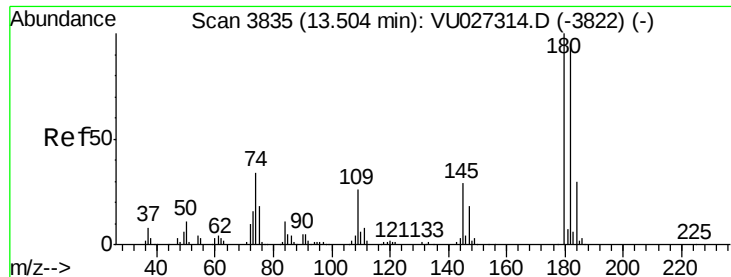
MMDadoda
 10/3/2018 11:41:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.766 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	35.9	107.8
157	95.8	46.9	140.6





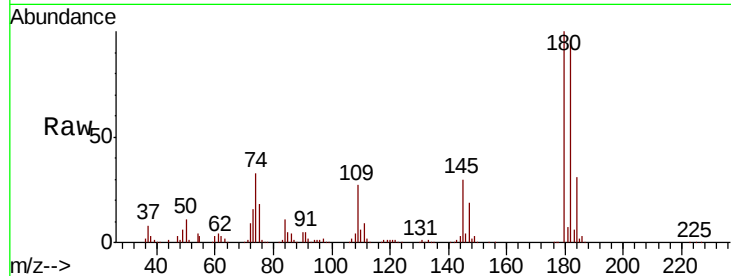
#93
 1,2,4-Trichlorobenzene
 Concen: 110.979 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	227826		
182	95.7	47.4	142.3	
145	30.0	14.6	44.0	

Manual Integrations
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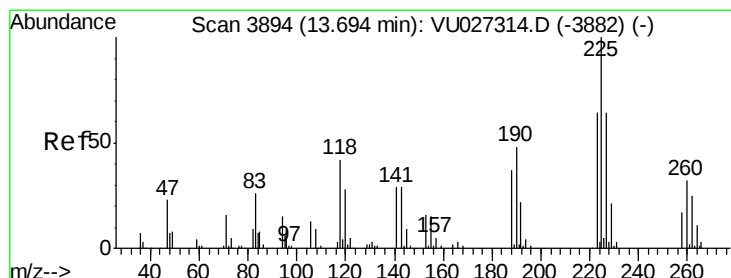
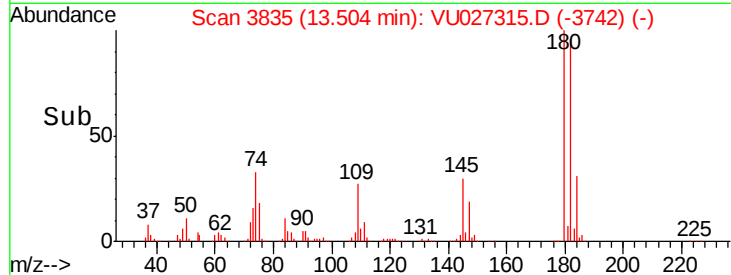
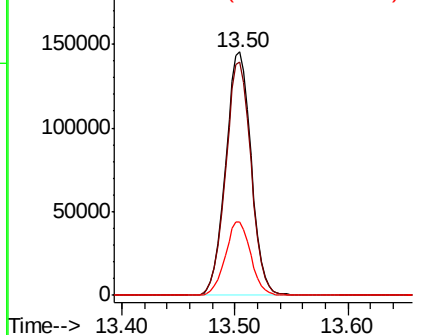


Abundance

Ion 179.80 (179.50 to 180.50): V

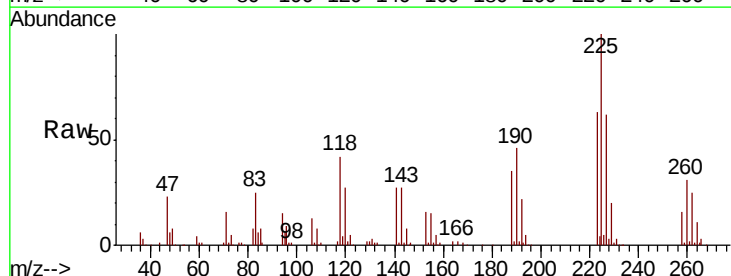
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 105.204 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027315.D
 Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109118		
223	62.7	31.8	95.3	
227	63.2	31.9	95.7	

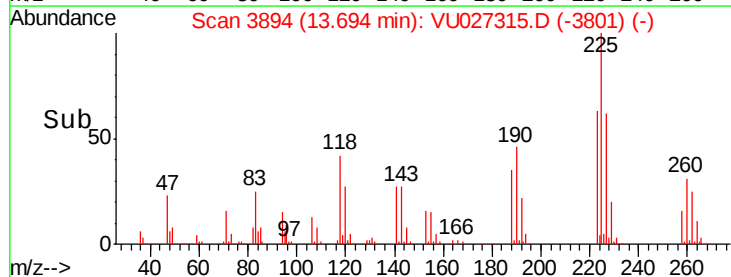
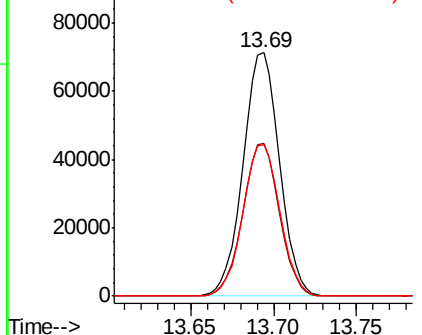


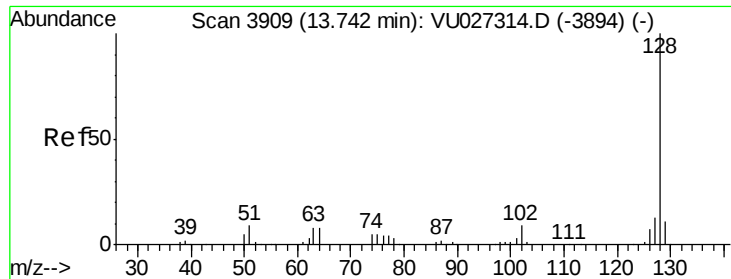
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





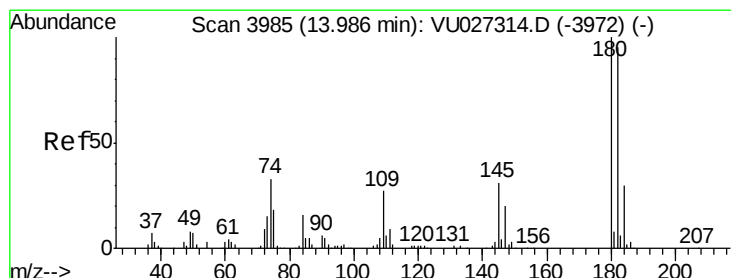
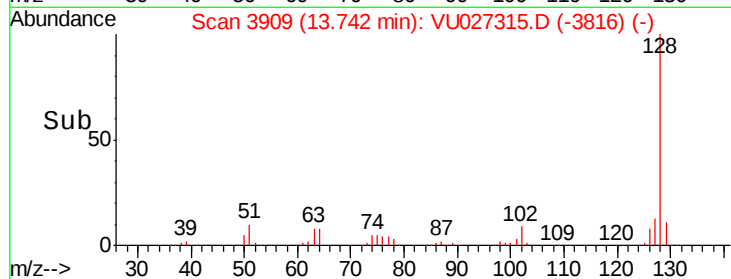
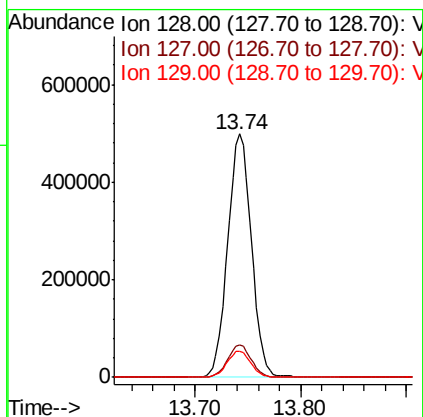
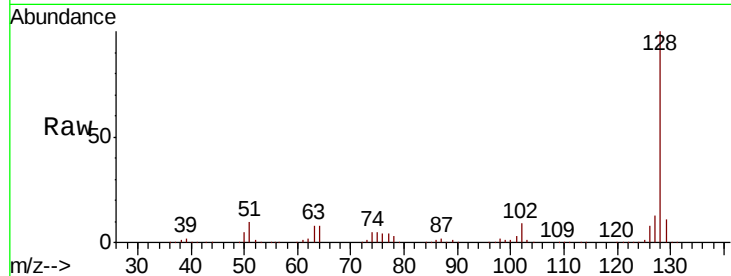
#95
Naphthalene
Concen: 112.717 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 106.578 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027315.D
Acq: 01 Oct 2018 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	32.2	15.9	47.7

