

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027319.D
 Acq On : 01 Oct 2018 13:22
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:44 AM

Quant Time: Oct 02 07:39:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	122873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	206215	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	96889	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	90297	44.01	ug/l	0.00
Spiked Amount			Recovery	=	88.02%	
35) Dibromofluoromethane	4.88	113	64873	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	7.57	98	255415	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	93172	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	98423	55.560	ug/l	100
3) Chloromethane	1.33	50	122058	50.893	ug/l	100
4) Vinyl Chloride	1.40	62	115822	51.374	ug/l	100
5) Bromomethane	1.61	94	46446	47.611	ug/l	99
6) Chloroethane	1.69	64	64820	47.847	ug/l	98
7) Trichlorofluoromethane	1.88	101	120322	52.600	ug/l	99
8) Diethyl Ether	2.10	74	51315	48.698	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	71508	53.828	ug/l	99
10) Methyl Iodide	2.41	142	46560	41.709	ug/l	100
11) Tert butyl alcohol	2.83	59	106384	246.221	ug/l	100
12) 1,1-Dichloroethene	2.28	96	67233	51.801	ug/l	100
13) Acrolein	2.19	56	83599	230.587	ug/l	99
14) Allyl chloride	2.59	41	154817	50.231	ug/l	99
15) Acrylonitrile	2.94	53	281037	249.909	ug/l	99
16) Acetone	2.32	43	281191	231.986	ug/l	100
17) Carbon Disulfide	2.48	76	232260	49.617	ug/l	100
18) Methyl Acetate	2.61	43	133774	48.379	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	264618	50.883	ug/l	99
20) Methylene Chloride	2.70	84	83422	49.409	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	75057	51.509	ug/l	99
22) Diisopropyl ether	3.57	45	323990	51.719	ug/l	99
23) Vinyl Acetate	3.52	43	1423356	260.176	ug/l	100
24) 1,1-Dichloroethane	3.45	63	162438	50.440	ug/l	100
25) 2-Butanone	4.26	43	414435	250.733	ug/l	99
26) 2,2-Dichloropropane	4.23	77	134113	50.682	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	83827	50.304	ug/l	99
28) Bromochloromethane	4.55	49	76967	49.538	ug/l	100
29) Tetrahydrofuran	4.64	42	260438	250.019	ug/l	99
30) Chloroform	4.67	83	145530	50.863	ug/l	100
31) Cyclohexane	5.00	56	161500	49.073	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	123030	51.055	ug/l	99
36) 1,1-Dichloropropene	5.14	75	115328	51.508	ug/l	100
37) Ethyl Acetate	4.38	43	144861	50.061	ug/l	100
38) Carbon Tetrachloride	5.13	117	104959	51.895	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	141243	53.965	ug/l	99
40) Benzene	5.39	78	334988	51.363	ug/l	100
41) Methacrylonitrile	4.54	41	84261	51.518	ug/l	100
42) 1,2-Dichloroethane	5.40	62	124556	51.450	ug/l	99
43) Isopropyl Acetate	5.55	43	232627	51.761	ug/l	99
44) Trichloroethene	6.19	130	74650	51.331	ug/l	99
45) 1,2-Dichloropropane	6.43	63	98122	52.160	ug/l	96
46) Dibromomethane	6.56	93	56258	52.951	ug/l	99
47) Bromodichloromethane	6.76	83	114505	51.939	ug/l	98
48) Methyl methacrylate	6.62	41	118974	53.234	ug/l	100
49) 1,4-Dioxane	6.61	88	43387	1128.288	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	762561	261.113	ug/l	100
52) Toluene	7.64	92	202648	52.495	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	137820	53.319	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	148446	53.422	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	79520	51.955	ug/l	99
56) Ethyl methacrylate	8.02	69	139509	47.707	ug/l	98
57) 1,3-Dichloropropane	8.24	76	151716	51.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	387911	241.294	ug/l	100
59) 2-Hexanone	8.36	43	593969	262.187	ug/l	99
60) Dibromochloromethane	8.48	129	81453	53.061	ug/l	99
61) 1,2-Dibromoethane	8.59	107	83907	51.561	ug/l	100
64) Tetrachloroethene	8.23	164	63544	52.957	ug/l	99
65) Chlorobenzene	9.12	112	209194	51.560	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	73398	52.403	ug/l	98
67) Ethyl Benzene	9.25	91	383517	53.353	ug/l	100
68) m/p-Xylenes	9.38	106	286444	108.940	ug/l	100
69) o-Xylene	9.78	106	137653	55.090	ug/l	99
70) Styrene	9.79	104	230334	49.346	ug/l	100
71) Bromoform	9.96	173	58661	52.056	ug/l #	99
73) Isopropylbenzene	10.17	105	374736	53.253	ug/l	100
74) N-amyl acetate	10.02	43	213037	52.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	137552	49.782	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	126071m	50.196	ug/l	
77) Bromobenzene	10.45	156	83989	51.357	ug/l	99
78) n-propylbenzene	10.59	91	459867	54.385	ug/l	100
79) 2-Chlorotoluene	10.66	91	264154	51.739	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	308797	53.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	47520m	49.516	ug/l	
82) 4-Chlorotoluene	10.77	91	307113	53.008	ug/l	99
83) tert-Butylbenzene	11.10	119	298346	53.867	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	319708	54.630	ug/l	100
85) sec-Butylbenzene	11.32	105	383937	55.018	ug/l	99
86) p-Isopropyltoluene	11.48	119	329679	55.177	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	158597	51.215	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	158863	50.202	ug/l	99
89) n-Butylbenzene	11.89	91	316190	49.873	ug/l	100
90) Hexachloroethane	12.15	117	58311	51.775	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	157397	52.217	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30947	50.536	ug/l	99

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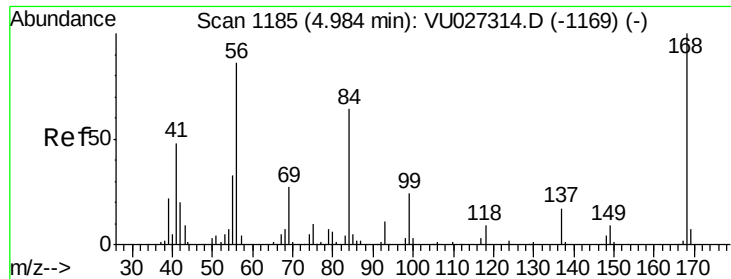
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	107594	55.164	ug/l	99
94) Hexachlorobutadiene	13.69	225	52580	53.357	ug/l	100
95) Naphthalene	13.74	128	359996	49.174	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	109941	54.105	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: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion:168 Resp: 122873

Ion Ratio Lower Upper

168 100

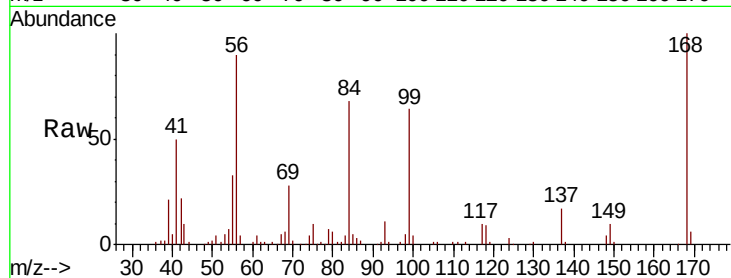
99 62.9 50.8 76.2

Manual Integrations

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

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

4.98

60000

50000

40000

30000

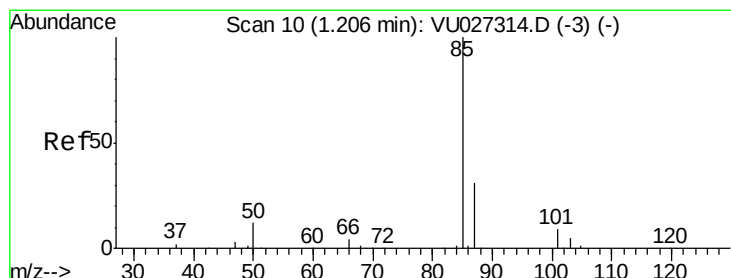
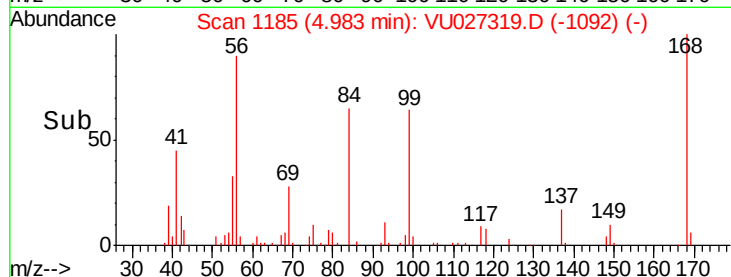
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.560 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027319.D

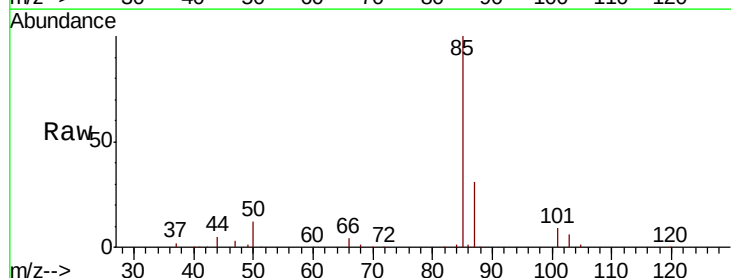
Acq: 01 Oct 2018 13:22

Tgt Ion: 85 Resp: 98423

Ion Ratio Lower Upper

85 100

87 31.1 15.7 47.1



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

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

1.21

100000

80000

60000

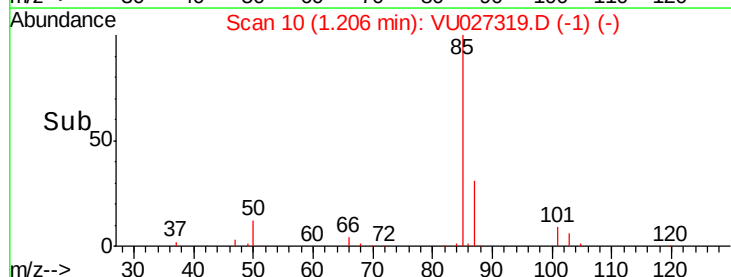
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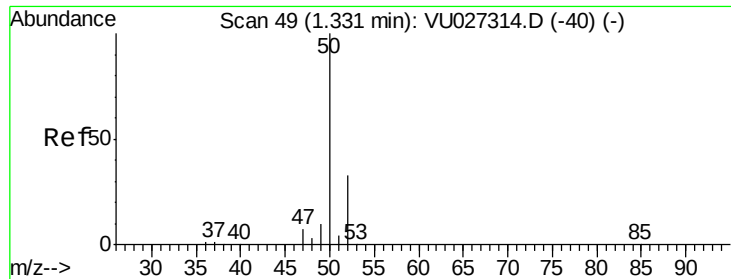
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.893 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

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ClientSampleId :

ICVVU100118

Tot Ion: 50 Resp: 122058

Ion Ratio Lower Upper

50 100

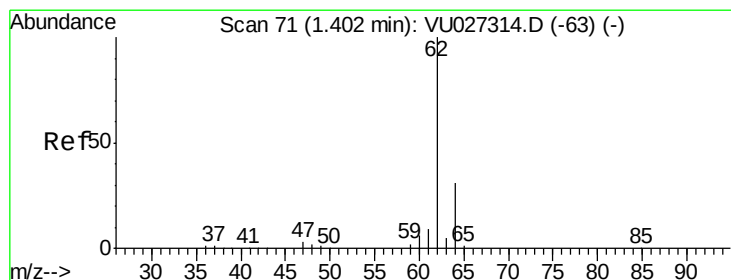
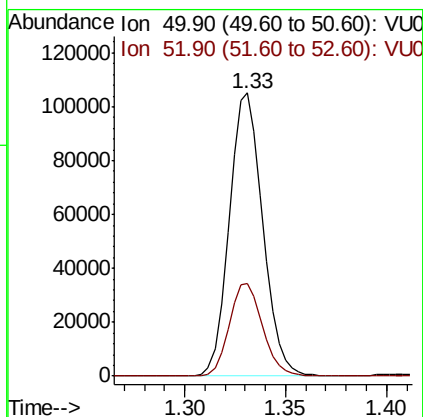
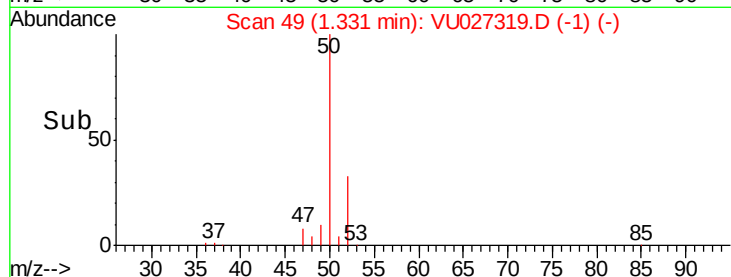
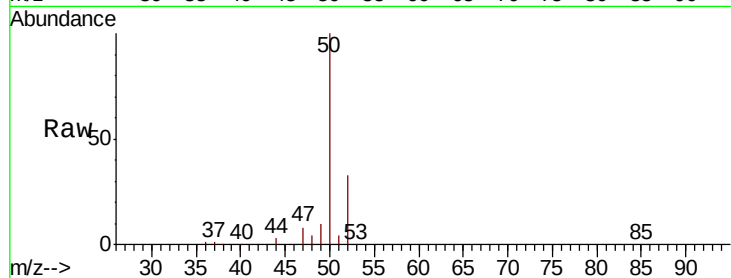
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.374 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027319.D

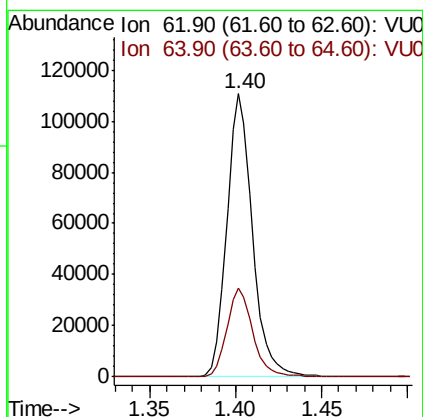
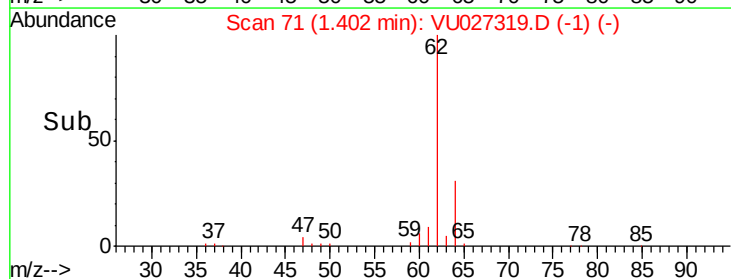
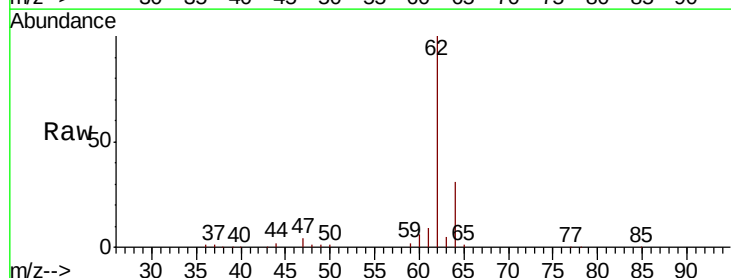
Acq: 01 Oct 2018 13:22

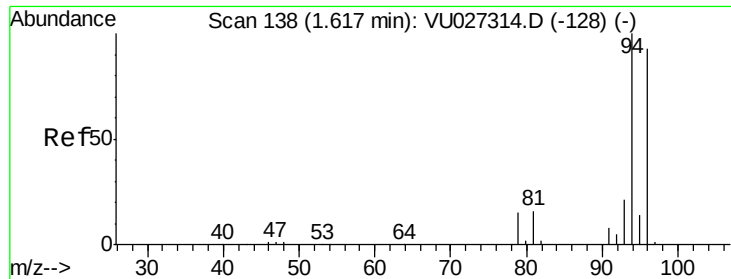
Tgt Ion: 62 Resp: 115822

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3





#5

Bromomethane

Concen: 47.611 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 46446

Ion Ratio Lower Upper

94 100

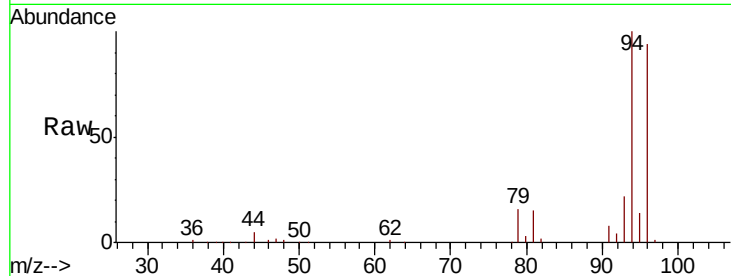
96 94.2 74.6 111.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.61

40000

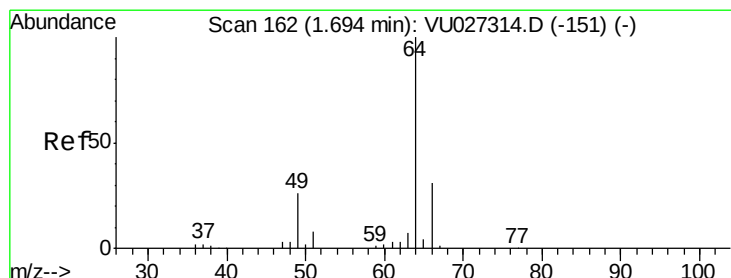
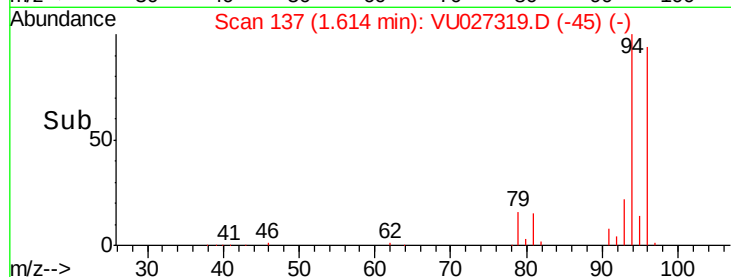
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20000

10000

0

Time-->



#6

Chloroethane

Concen: 47.847 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027319.D

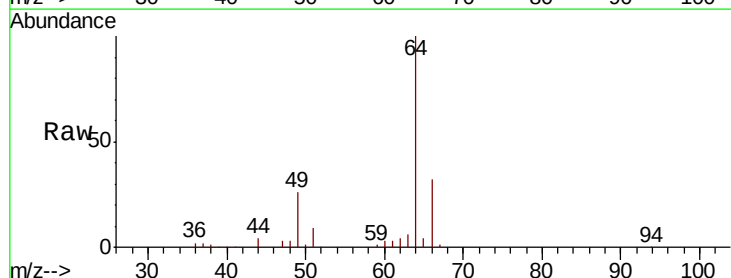
Acq: 01 Oct 2018 13:22

Tgt Ion: 64 Resp: 64820

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

50000

40000

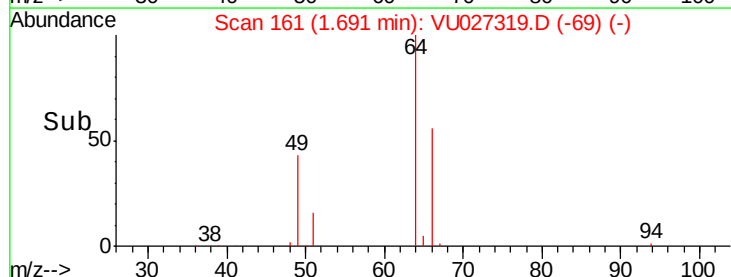
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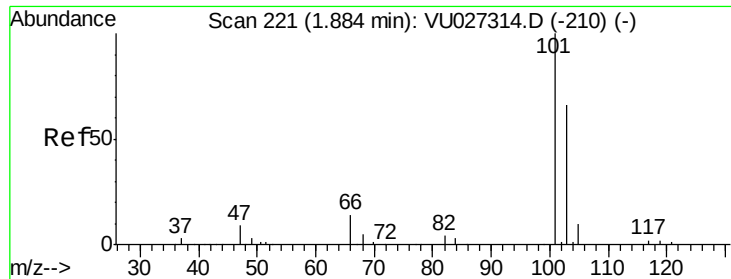
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10000

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Time-->





#7

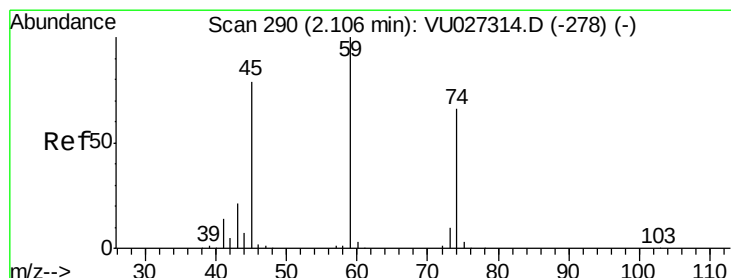
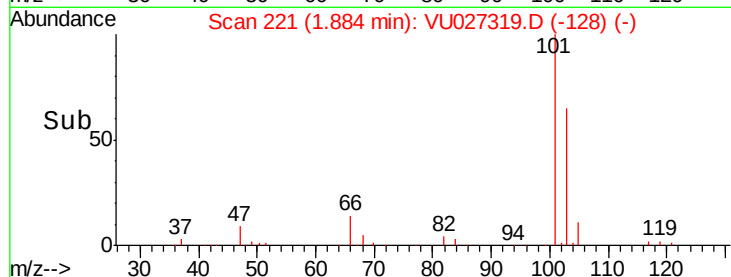
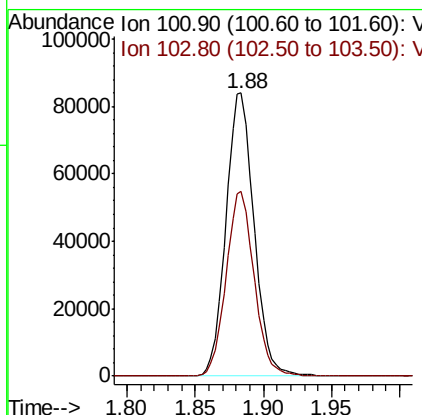
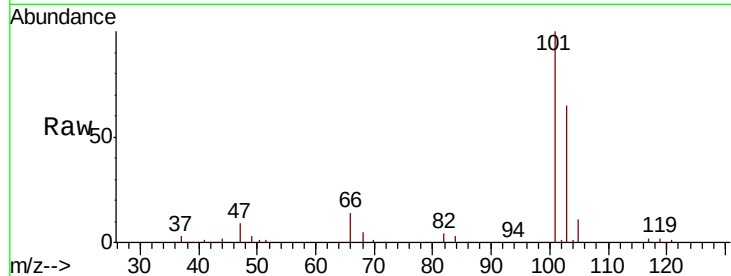
Trichlorofluoromethane
Concen: 52.600 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
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ICVVU100118

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.6	78.8

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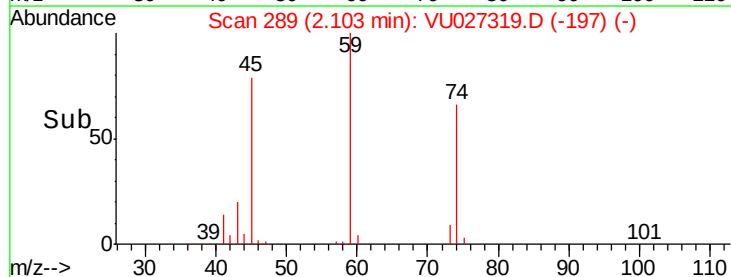
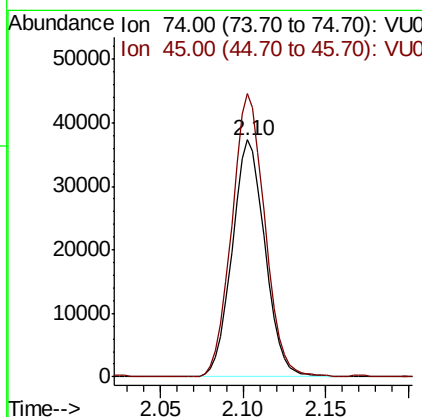
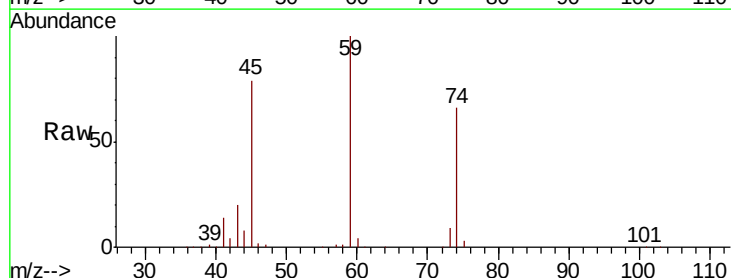
MMDadoda
10/3/2018 11:41:44 AM

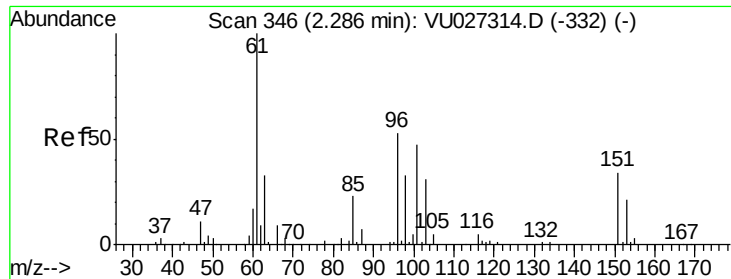


#8

Diethyl Ether
Concen: 48.698 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.5	60.4	181.1





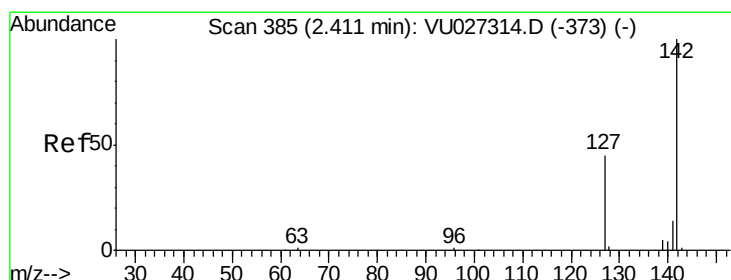
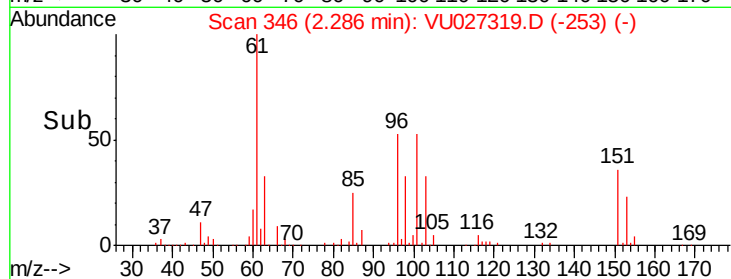
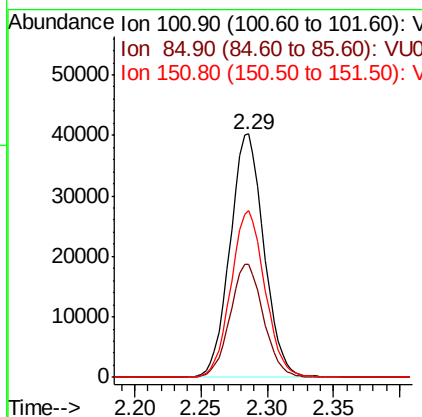
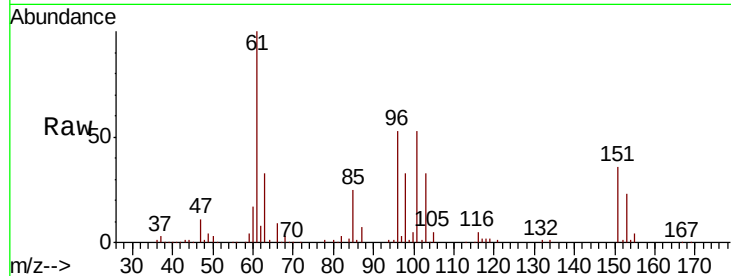
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.828 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU027319.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	37.5	56.3
151	68.6	55.6	83.4

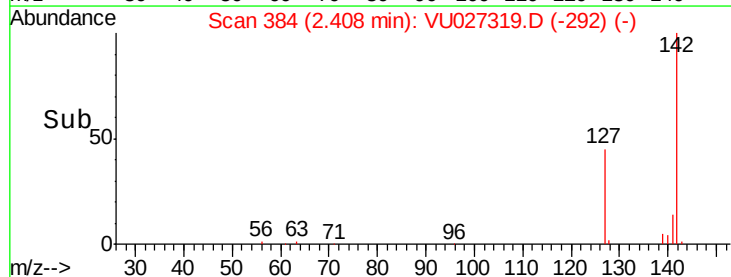
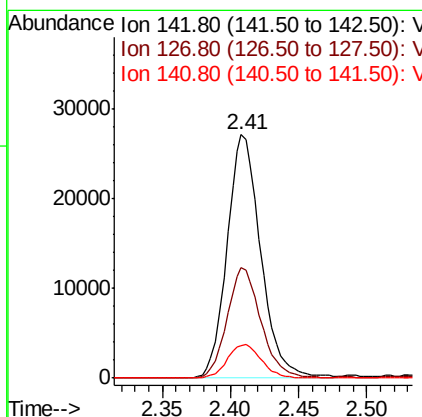
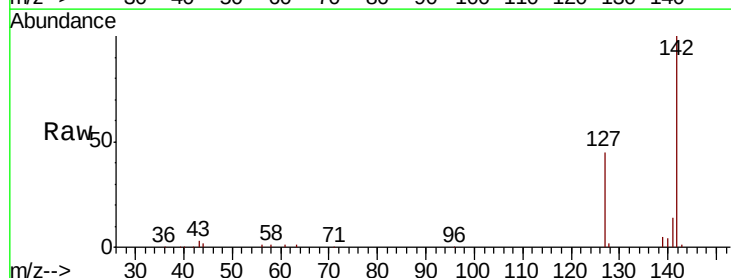
Manual Integrations
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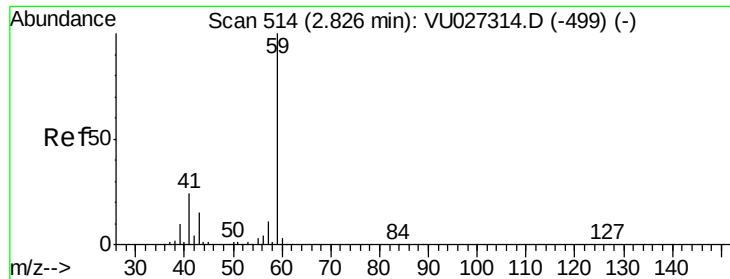
MMDadoda
 10/3/2018 11:41:44 AM



#10
 Methyl Iodide
 Concen: 41.709 ug/l
 RT: 2.41 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.3	54.5
141	13.8	11.6	17.4





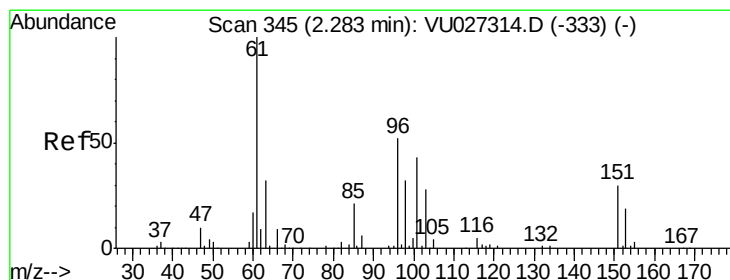
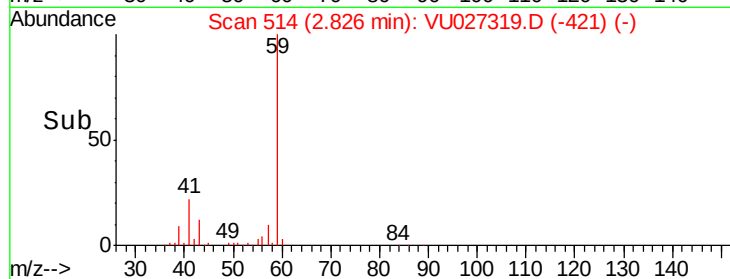
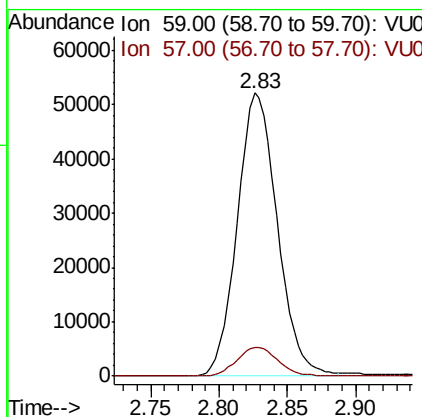
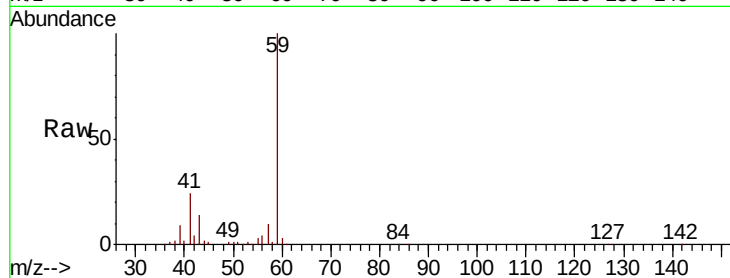
#11
Tert butyl alcohol
Concen: 246.221 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	59.00 (58.70 to 59.70): VU0	Resp	106384
Ion Ratio	59	100	Lower Upper
	57	10.5	8.4 12.6

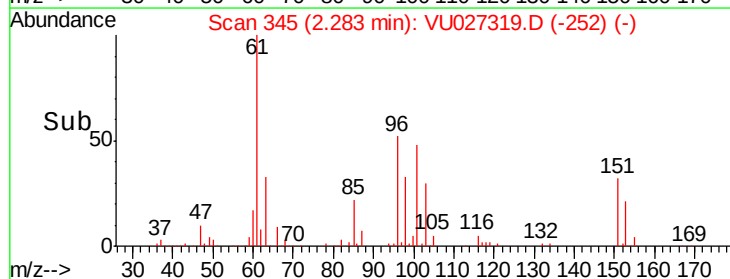
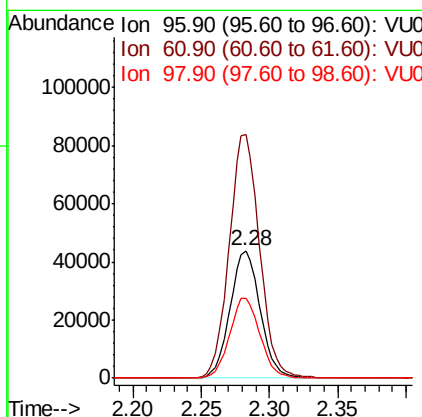
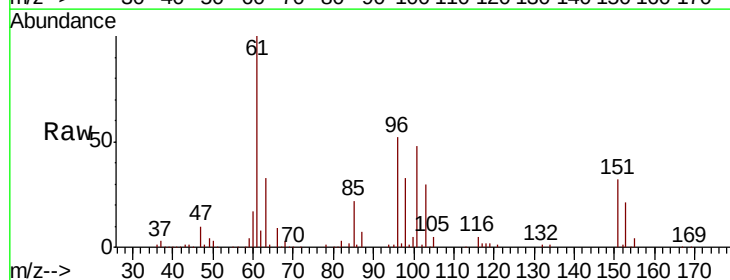
Manual Integrations
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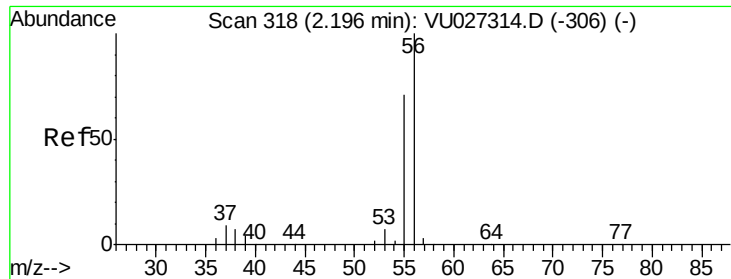
MMDadoda
10/3/2018 11:41:44 AM



#12
1,1-Dichloroethene
Concen: 51.801 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	96	Resp	67233
Ion Ratio	96	100	Lower Upper
	61	191.1	153.0 229.6
	98	62.9	49.3 73.9





#13

Acrolein

Concen: 230.587 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 56 Resp: 83599

Ion Ratio Lower Upper

56 100

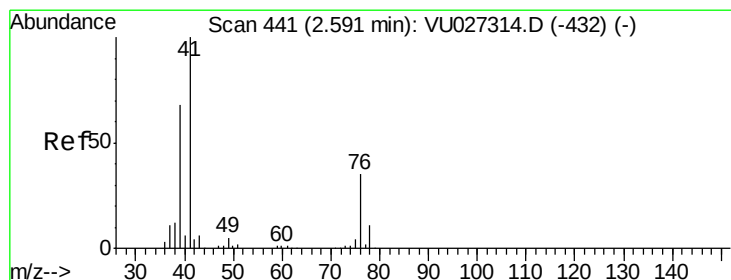
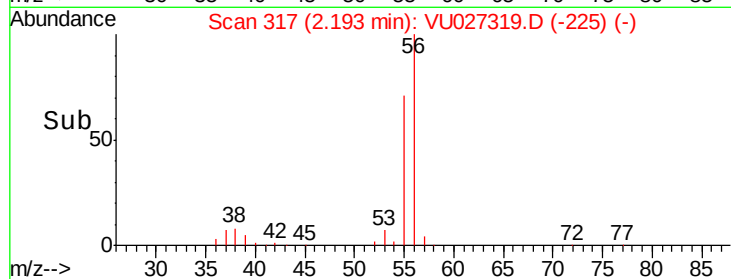
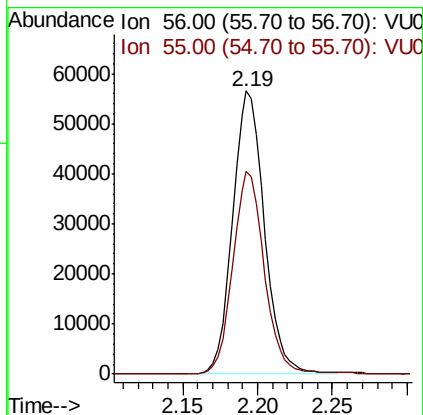
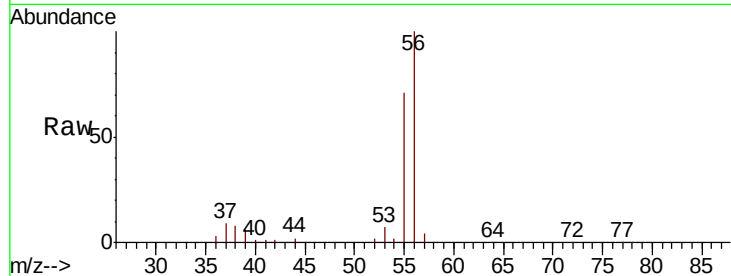
55 71.1 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 50.231 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

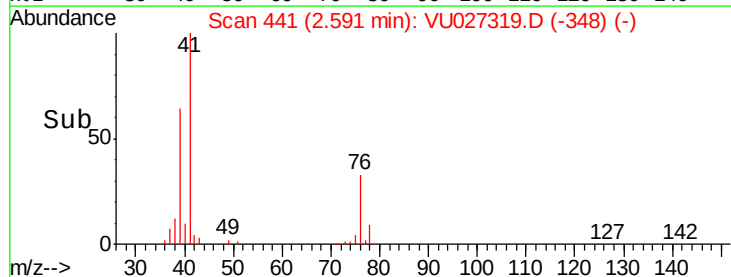
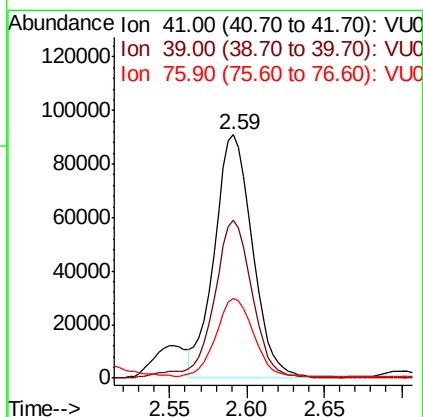
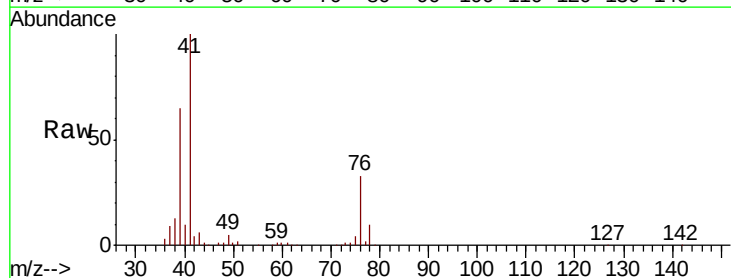
Tgt Ion: 41 Resp: 154817

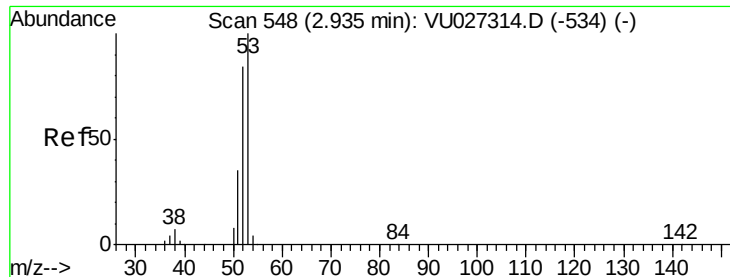
Ion Ratio Lower Upper

41 100

39 66.1 51.8 77.8

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 249.909 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

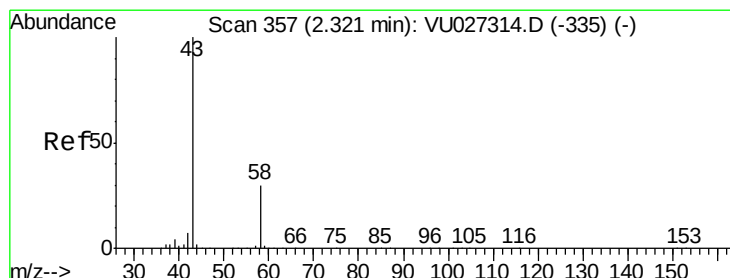
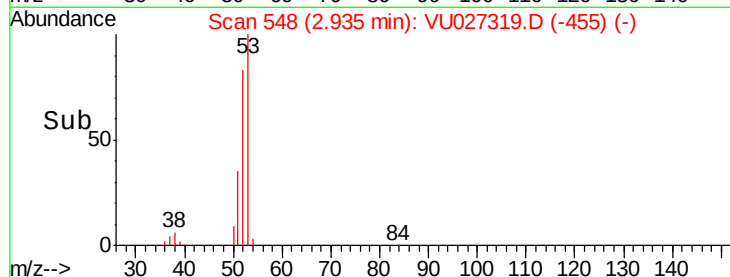
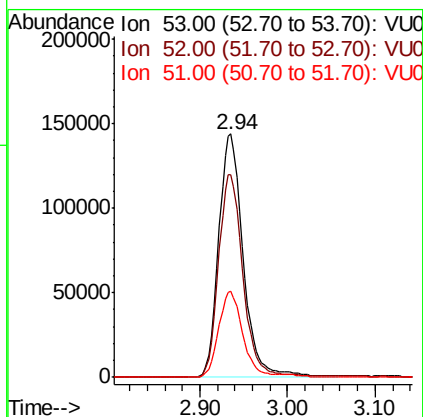
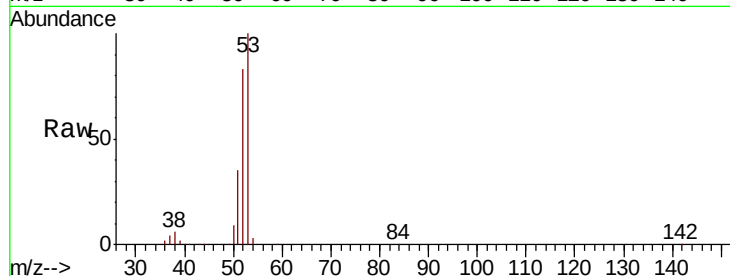
ClientSampleId :

ICVVU100118

Tot Ion:	53	Resp:	281037
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.5	99.7
51	34.6	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 231.986 ug/l

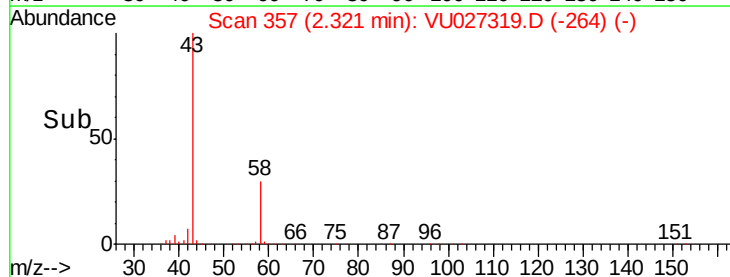
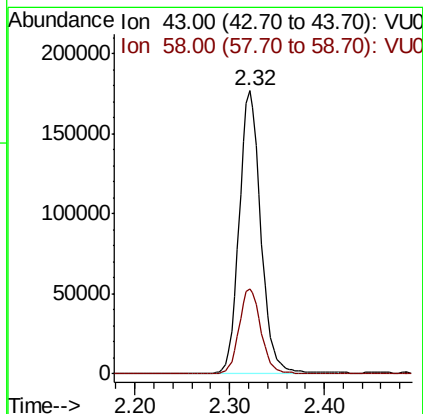
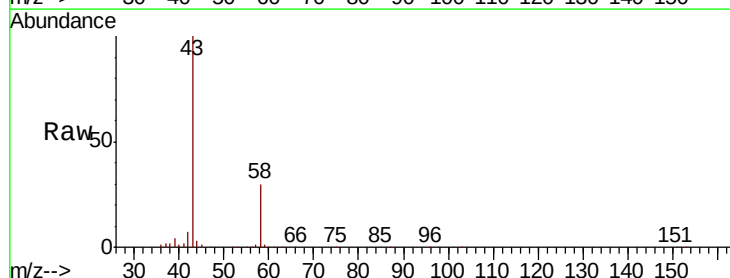
RT: 2.32 min Scan# 357

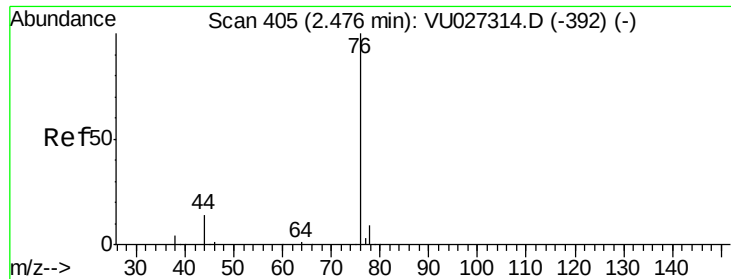
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion:	43	Resp:	281191
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





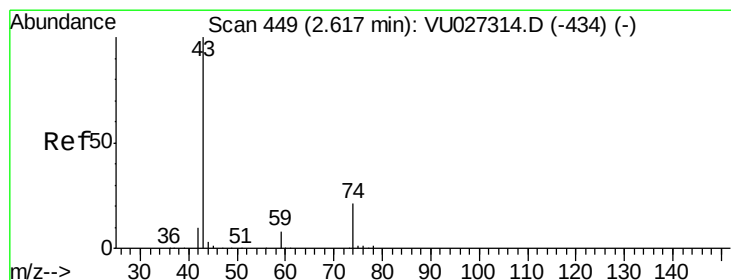
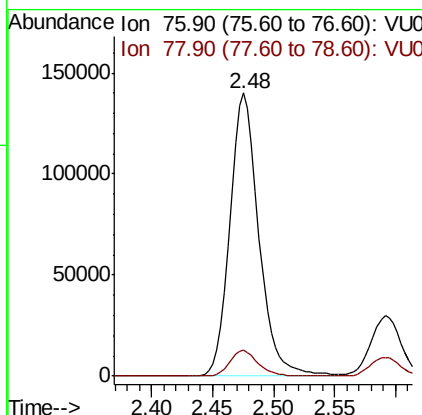
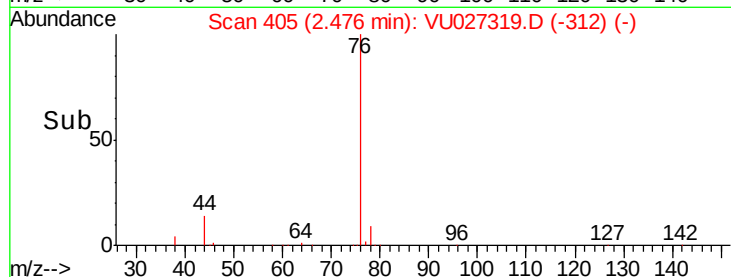
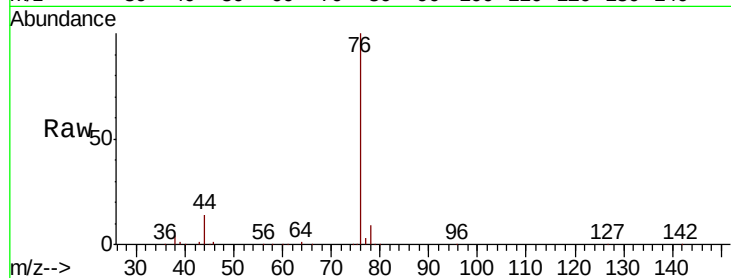
#17
Carbon Disulfide
Concen: 49.617 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

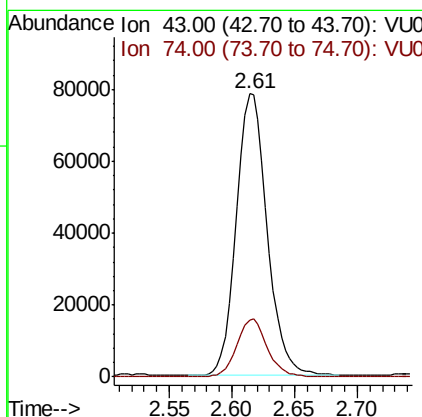
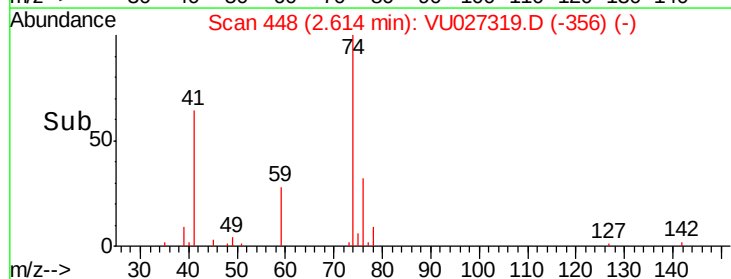
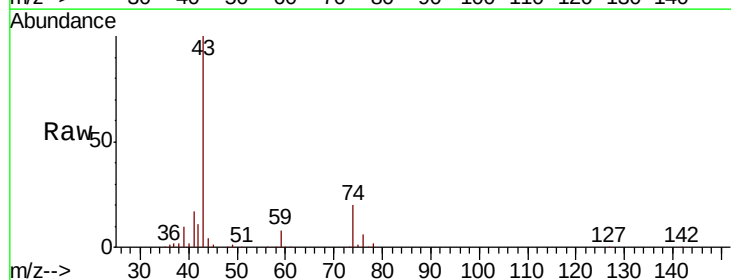
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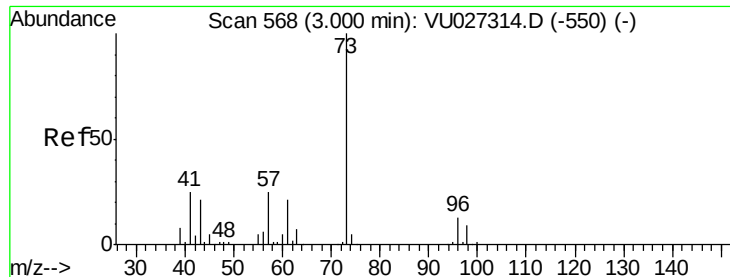
MMDadoda
10/3/2018 11:41:44 AM



#18
Methyl Acetate
Concen: 48.379 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.5	24.7





#19

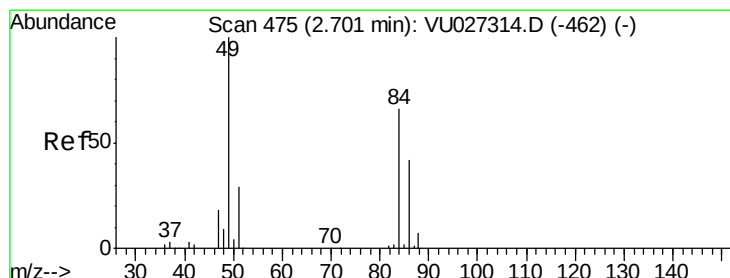
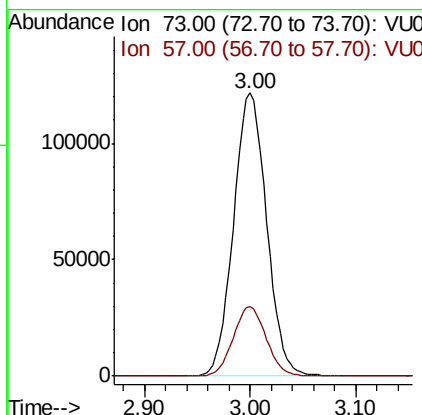
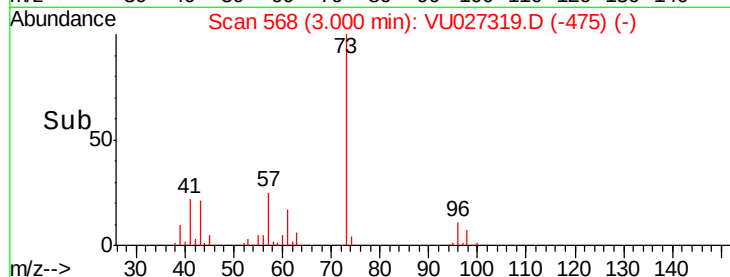
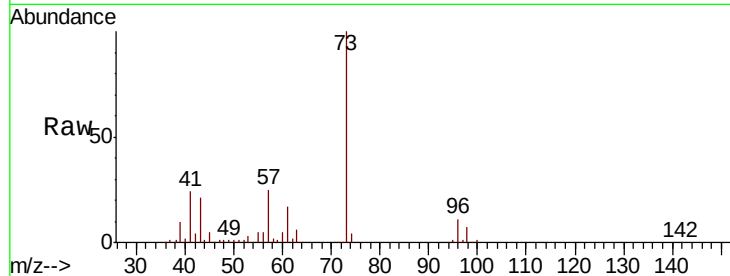
Methyl tert-butyl Ether
 Concen: 50.883 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampled :
 ICVVU100118

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	20.0	30.0

Manual Integrations
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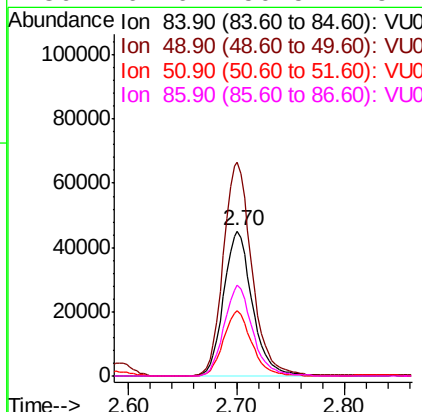
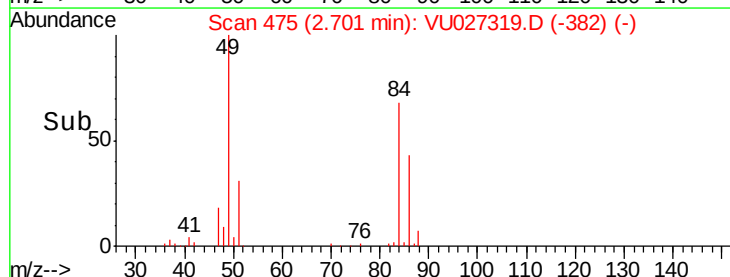
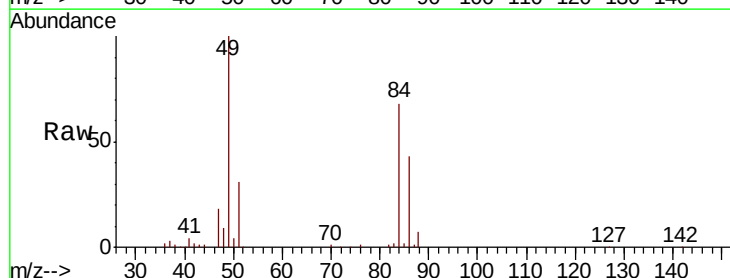
MMDadoda
 10/3/2018 11:41:44 AM

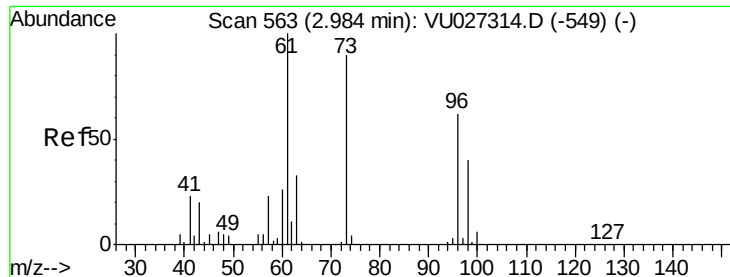


#20

Methylene Chloride
 Concen: 49.409 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.2	120.5	180.7
51	44.9	35.1	52.7
86	62.6	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 51.509 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 96 Resp: 75057

Ion Ratio Lower Upper

96 100

61 162.5 129.4 194.2

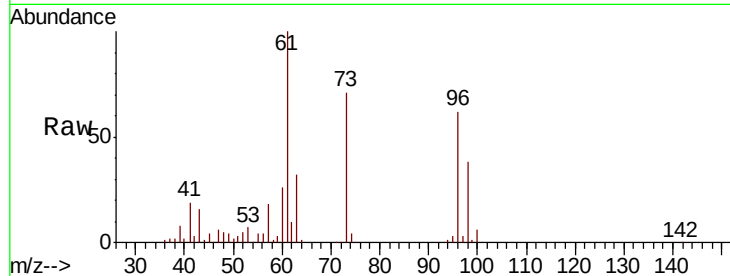
98 62.5 51.2 76.8

Manual Integrations

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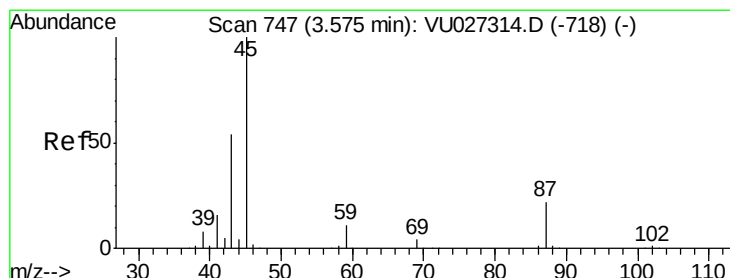
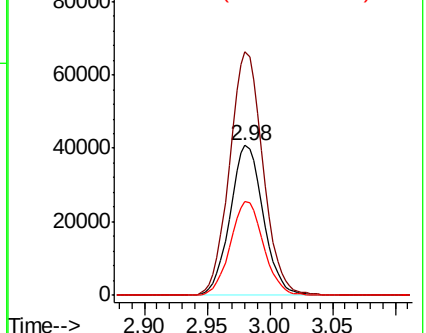
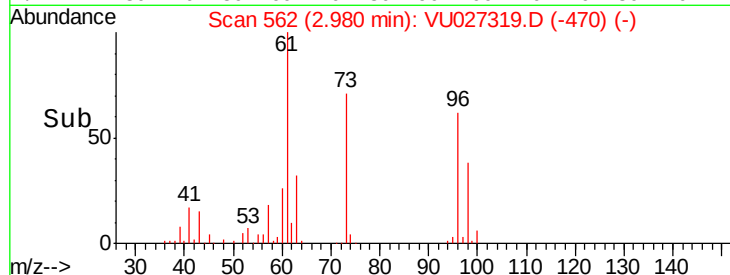
10/3/2018 11:41:44 AM



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: 51.719 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion: 45 Resp: 323990

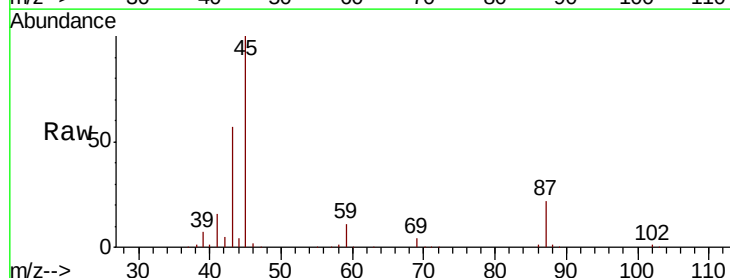
Ion Ratio Lower Upper

45 100

43 54.6 43.4 65.2

87 22.4 17.5 26.3

59 10.9 8.6 13.0

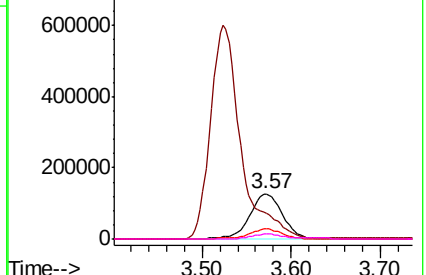
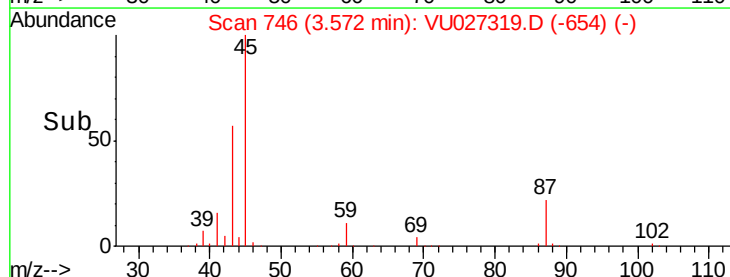


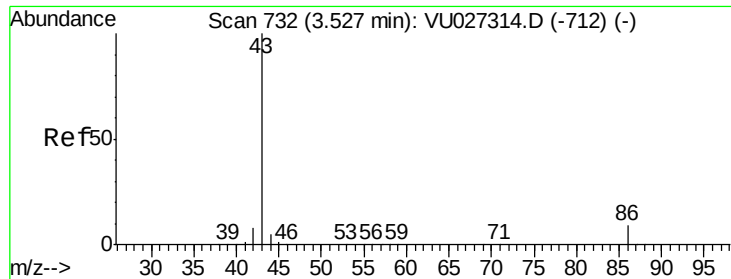
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 260.176 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 43 Resp: 1423356

Ion Ratio Lower Upper

43 100

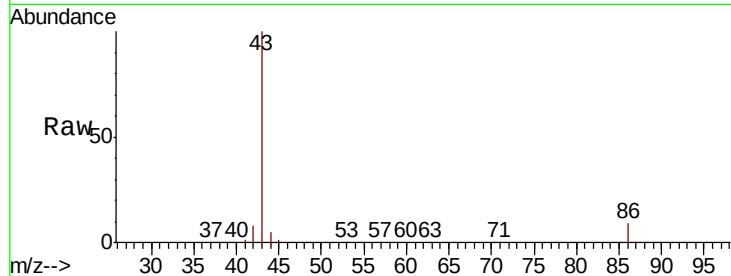
86 8.7 7.0 10.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

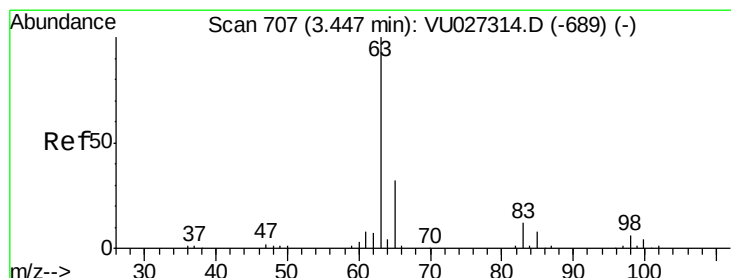
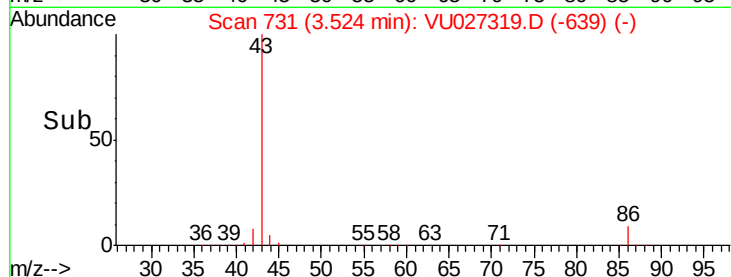
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 50.440 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

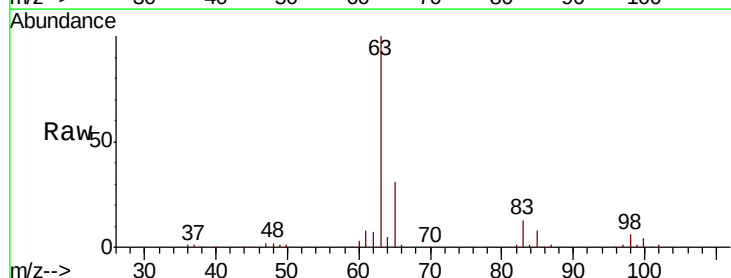
Tgt Ion: 63 Resp: 162438

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.8 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

100000

80000

60000

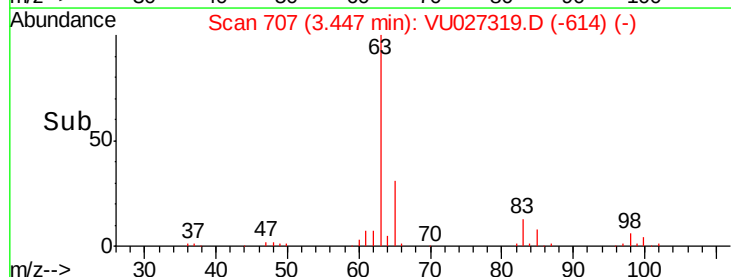
40000

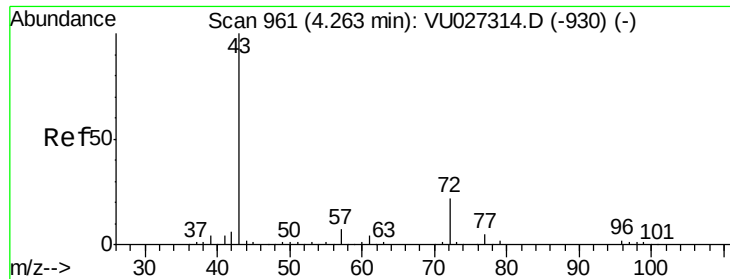
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 250.733 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 43 Resp: 414435

Ion Ratio Lower Upper

43 100

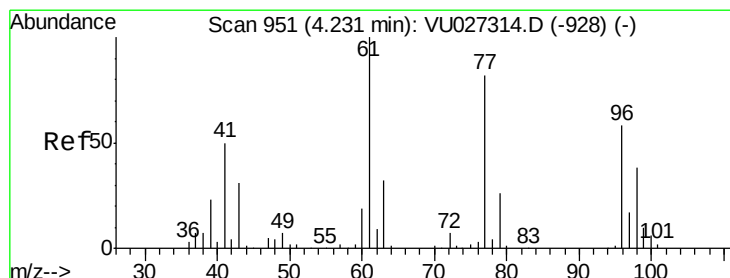
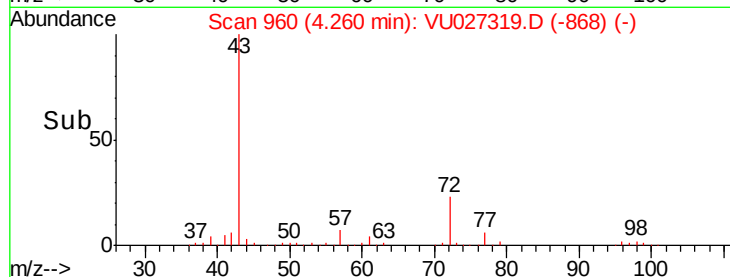
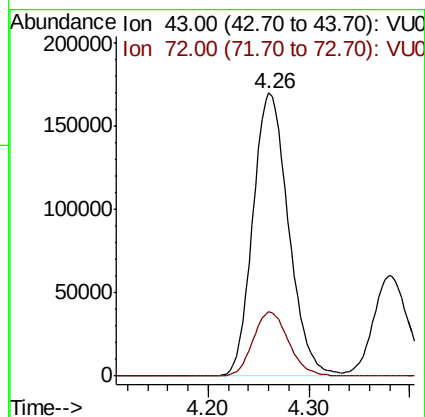
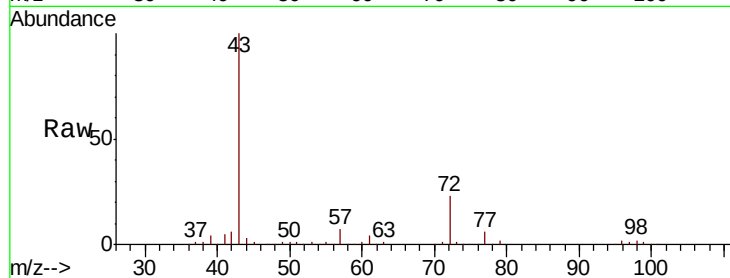
72 22.6 17.8 26.6

Manual Integrations

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MMDadoda

10/3/2018 11:41:44 AM



#26

2,2-Dichloropropane

Concen: 50.682 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027319.D

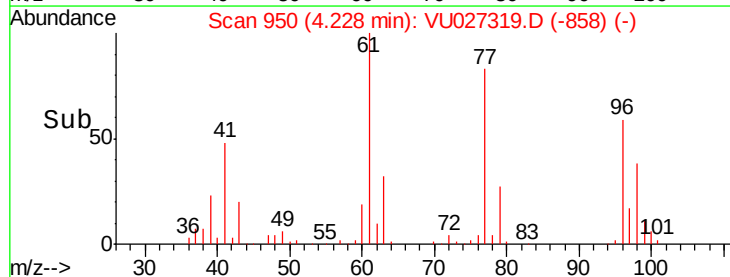
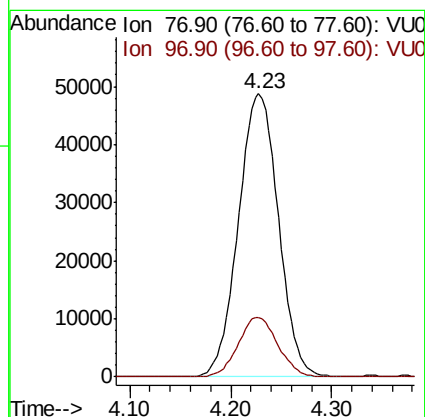
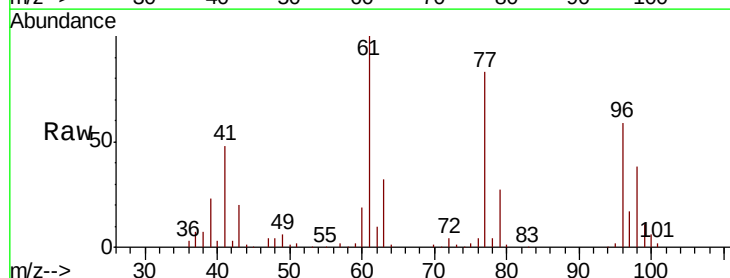
Acq: 01 Oct 2018 13:22

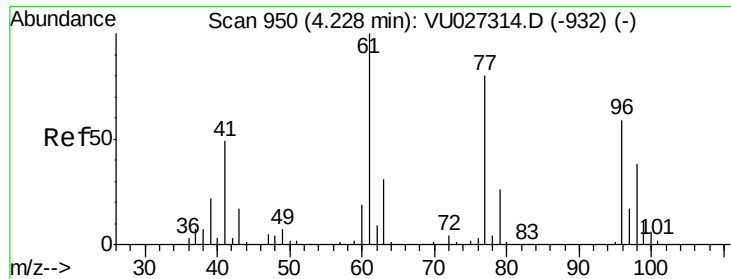
Tgt Ion: 77 Resp: 134113

Ion Ratio Lower Upper

77 100

97 20.8 10.4 31.1





#27

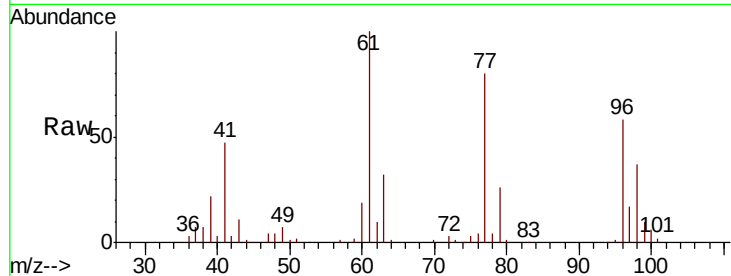
cis-1,2-Dichloroethene
Concen: 50.304 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.5	0.0	343.8
98	64.1	0.0	129.0

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10/3/2018 11:41:44 AM

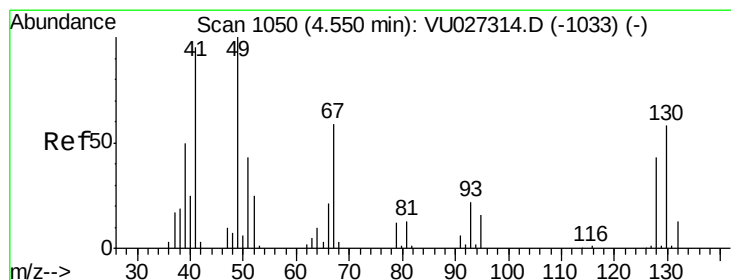
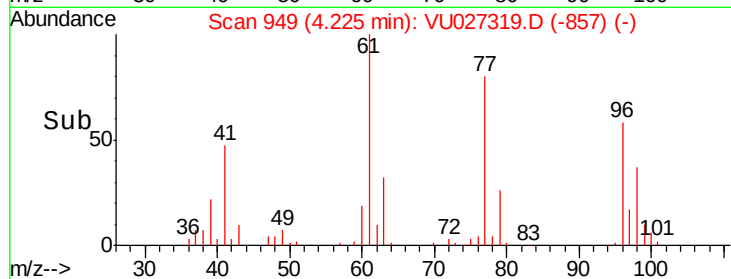
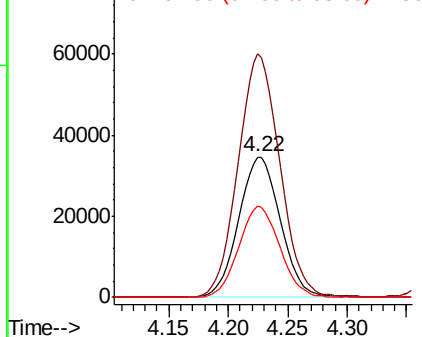


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

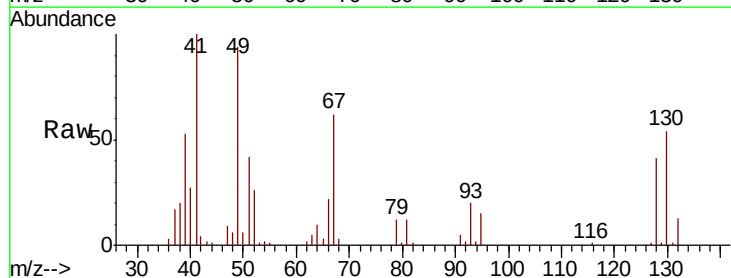
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 49.538 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	57.8	46.1	69.1

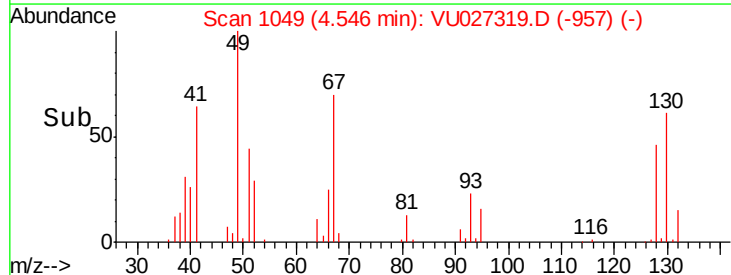
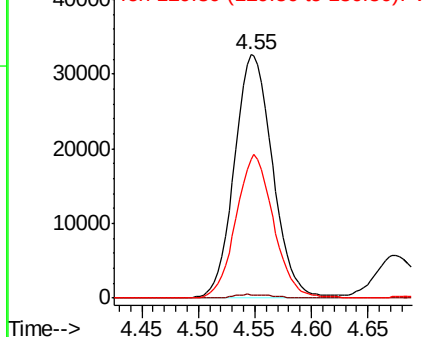


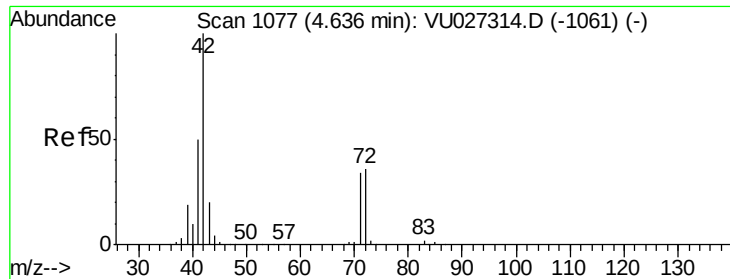
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





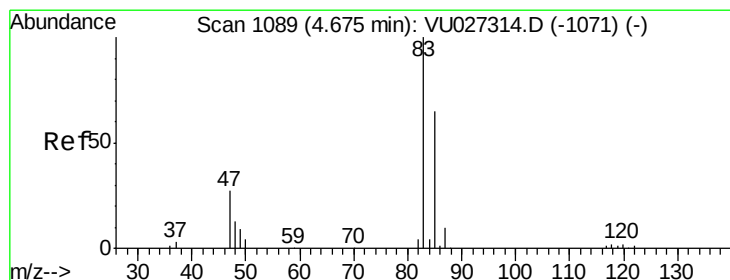
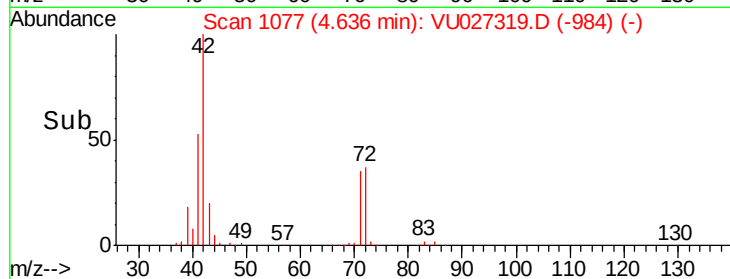
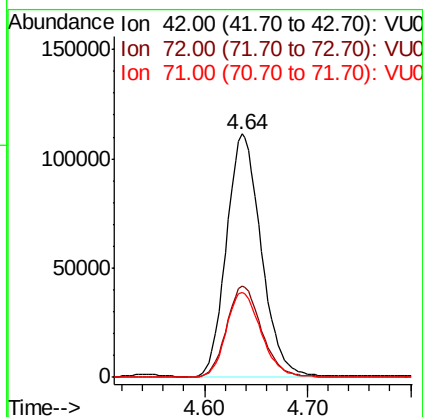
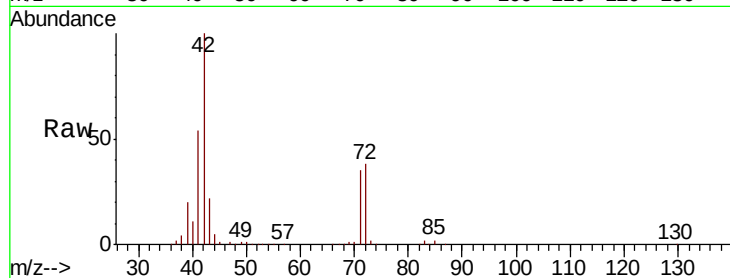
#29
Tetrahydrofuran
Concen: 250.019 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.1	45.1
71	35.3	27.7	41.5

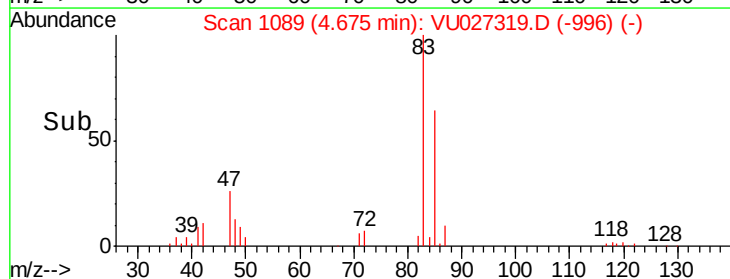
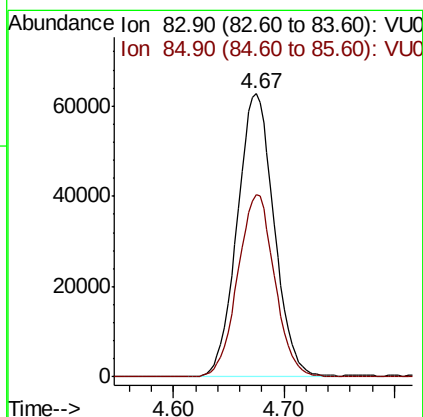
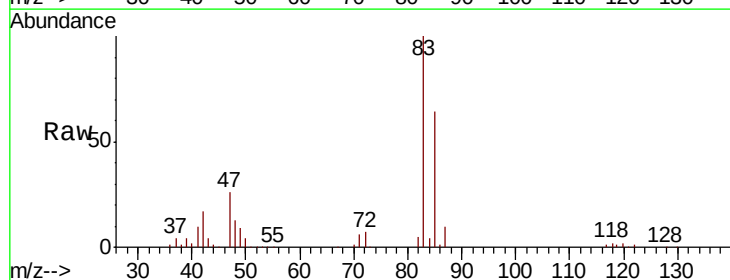
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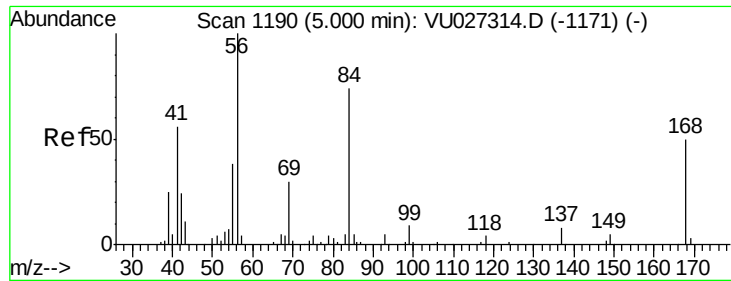
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10/3/2018 11:41:44 AM



#30
Chloroform
Concen: 50.863 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





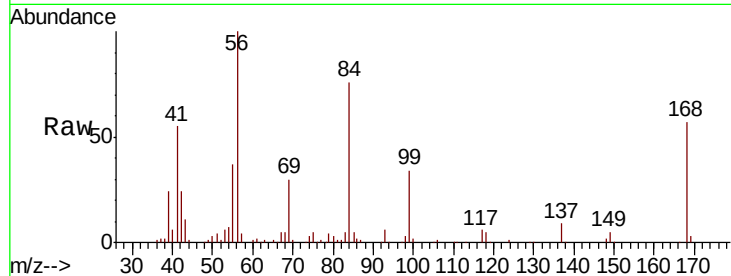
#31
Cyclohexane
Concen: 49.073 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

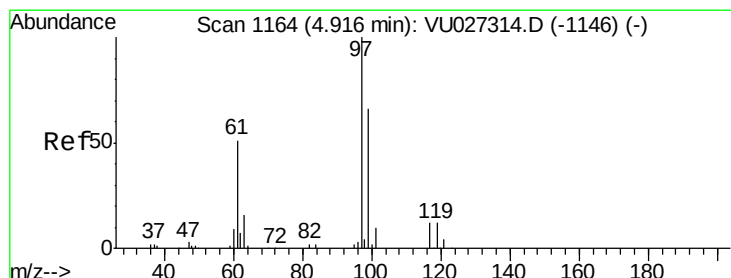
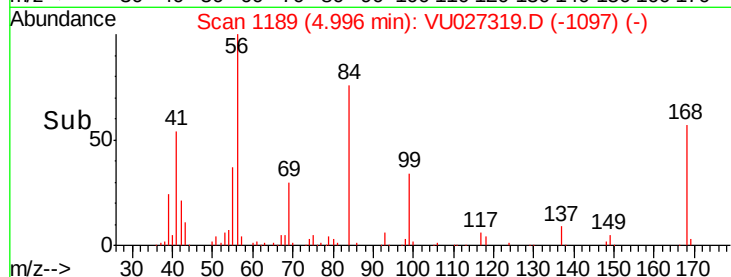
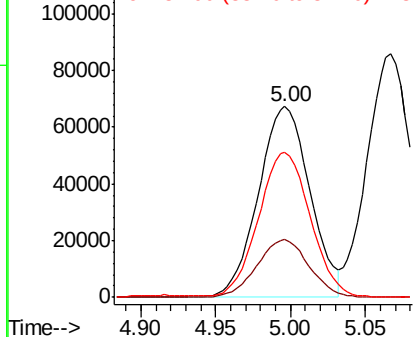
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.1	36.1
84	75.7	59.1	88.7

Manual Integrations
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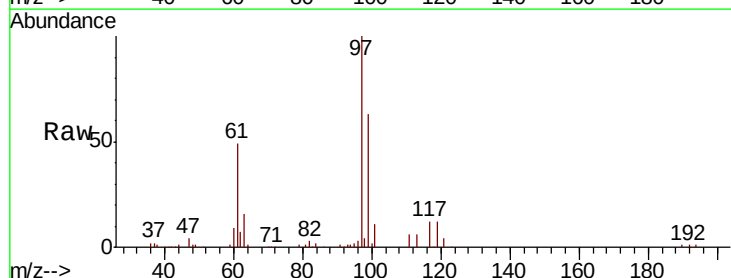


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

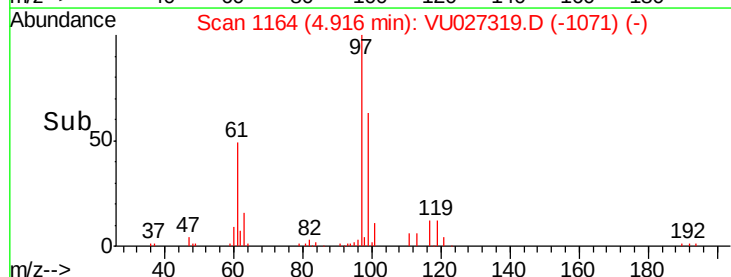
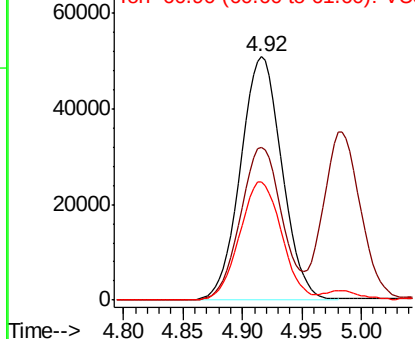


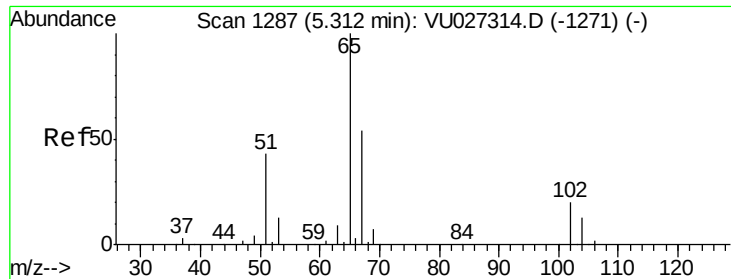
#32
1,1,1-Trichloroethane
Concen: 51.055 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	49.3	39.6	59.4



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





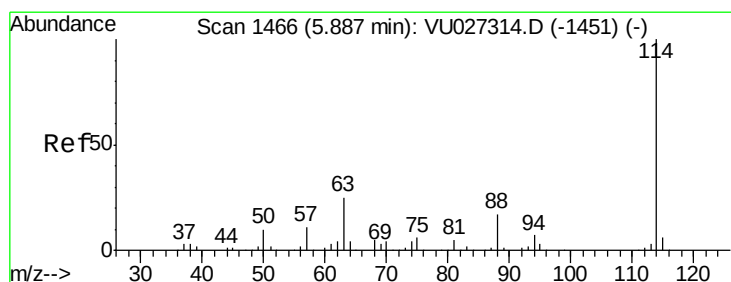
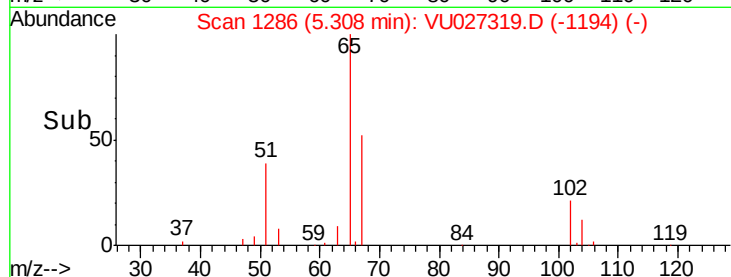
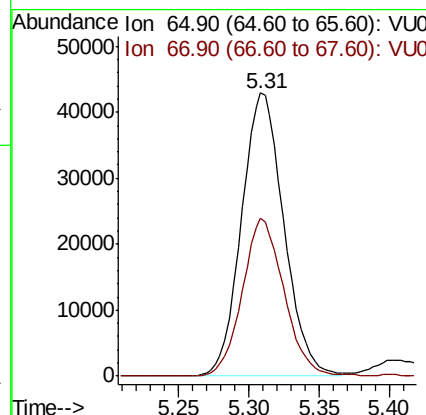
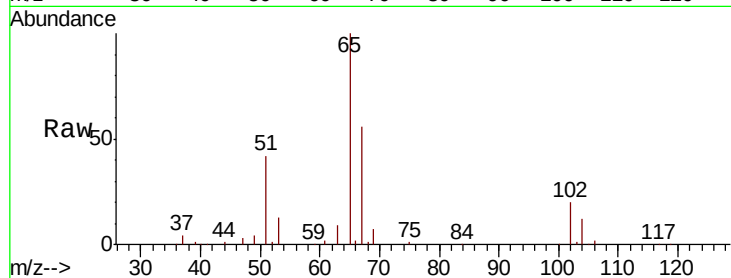
#33
 1,2-Dichloroethane-d4
 Concen: 44.009 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.8

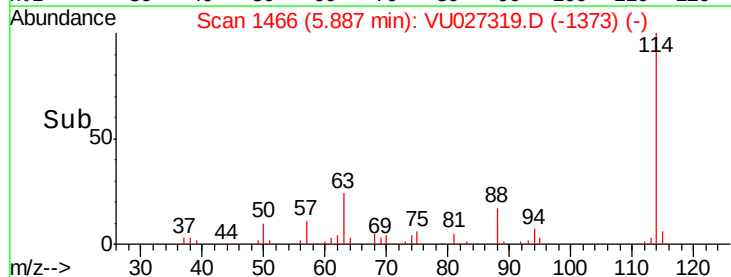
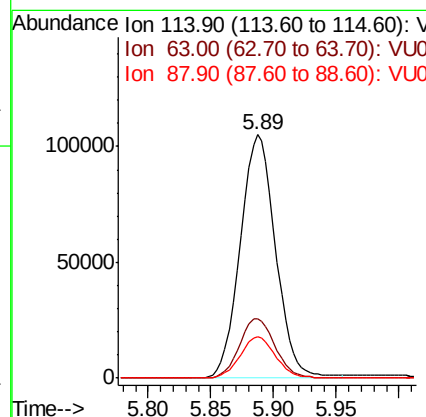
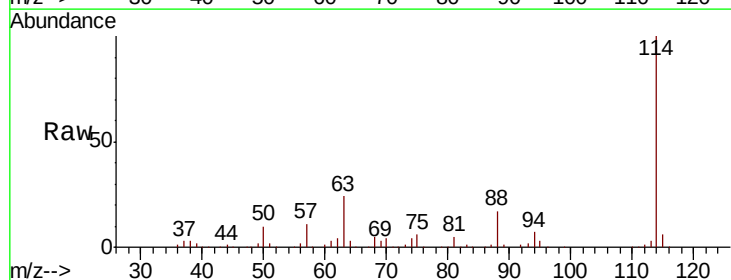
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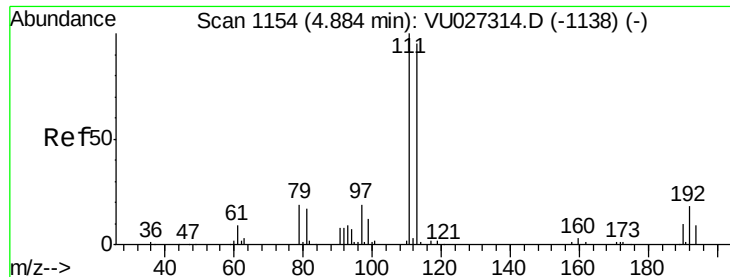
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.2
88	16.9	0.0	33.8





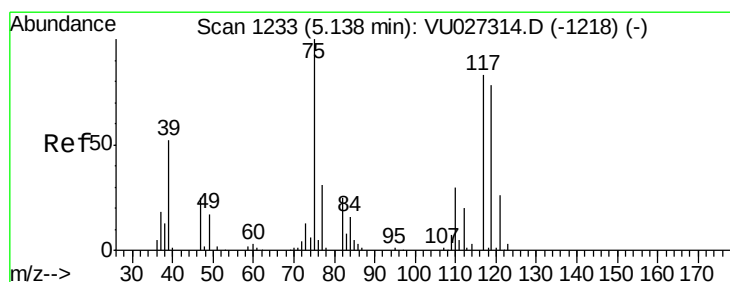
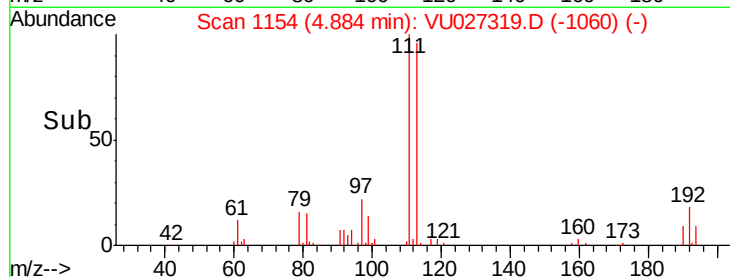
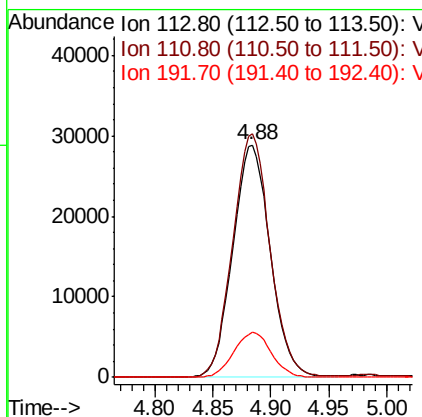
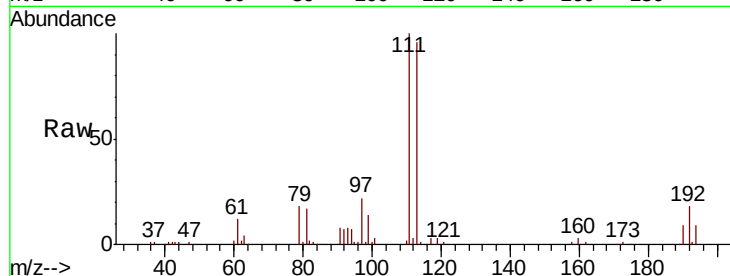
#35
 Dibromofluoromethane
 Concen: 45.903 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.1	124.7
192	19.3	15.4	23.0

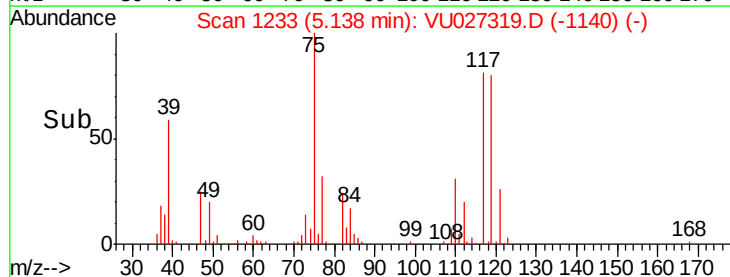
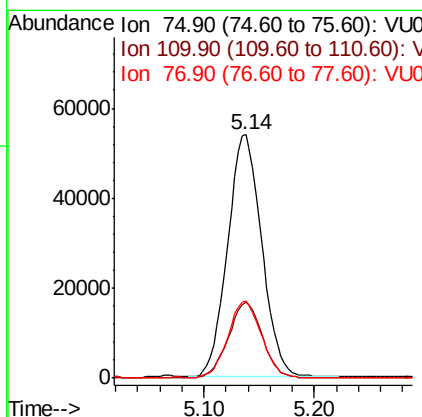
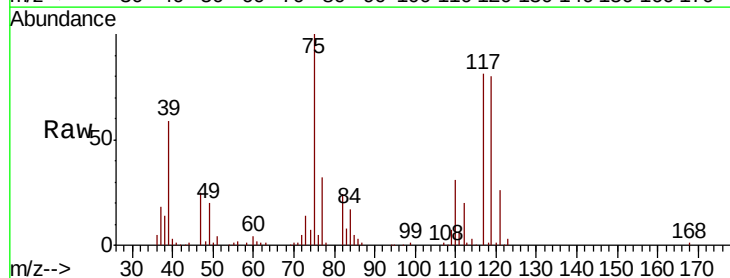
Manual Integrations
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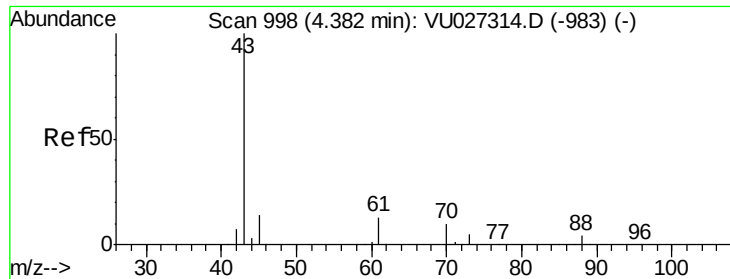
MMDadoda
 10/3/2018 11:41:44 AM



#36
 1,1-Dichloropropene
 Concen: 51.508 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.5	46.5
77	31.6	25.4	38.0





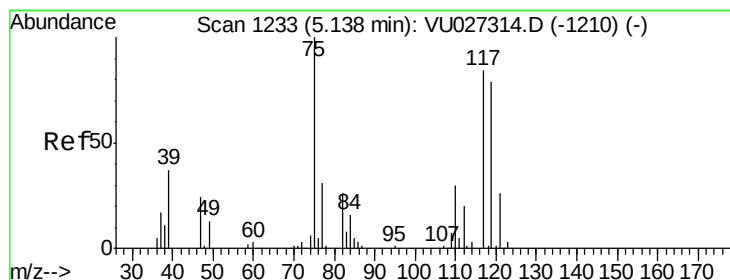
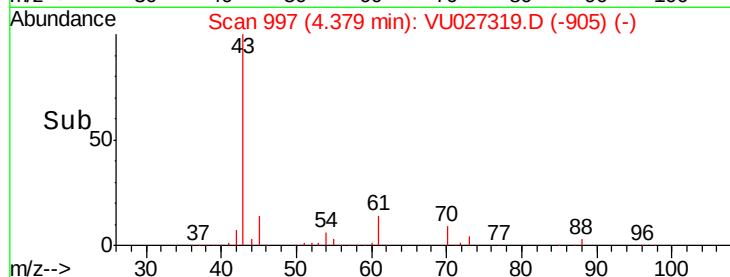
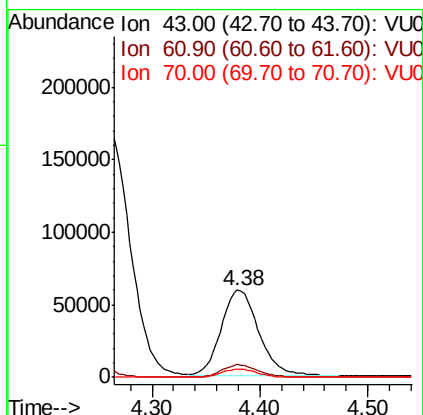
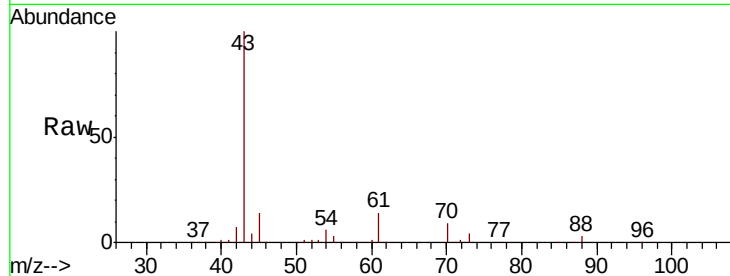
#37
Ethyl Acetate
Concen: 50.061 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	43	Resp	144861
Ion Ratio	100	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	9.2	7.4	11.2

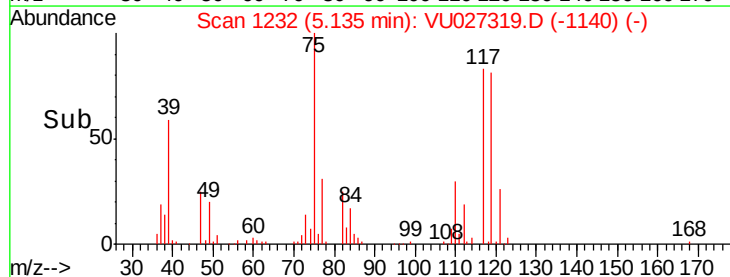
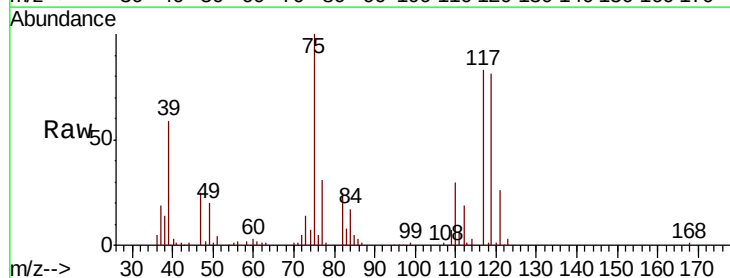
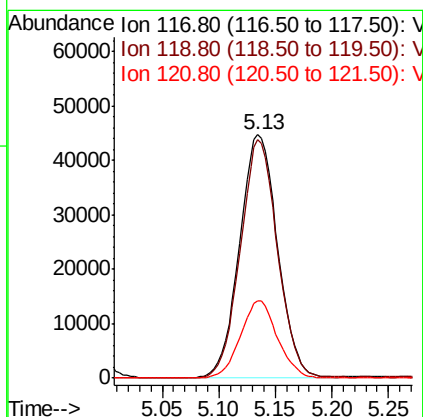
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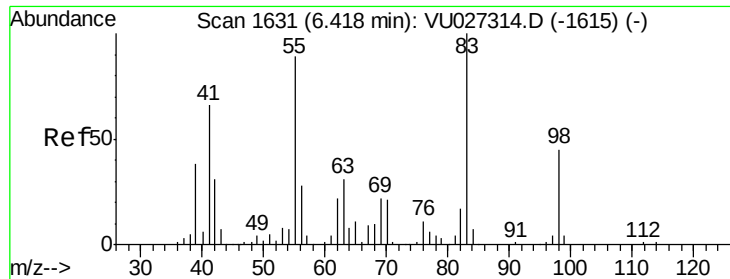
MMDadoda
10/3/2018 11:41:44 AM



#38
Carbon Tetrachloride
Concen: 51.895 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	117	Resp	104959
Ion Ratio	100	Lower	Upper
117	100		
119	97.9	74.5	111.7
121	31.8	24.6	37.0





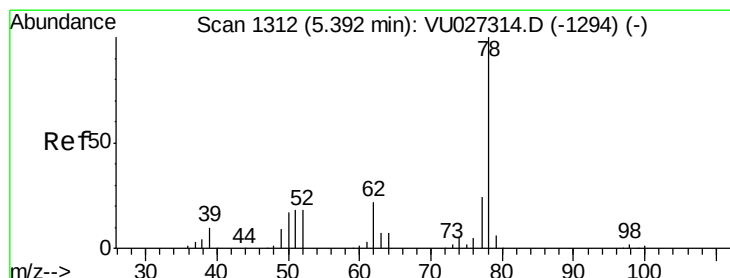
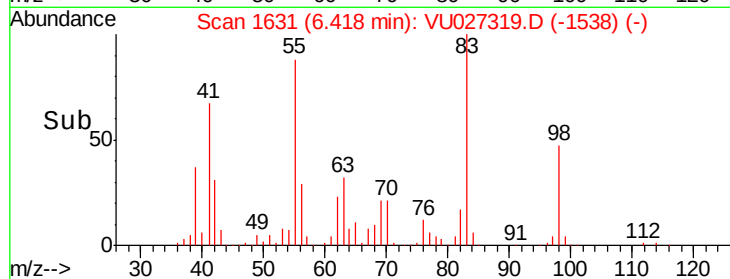
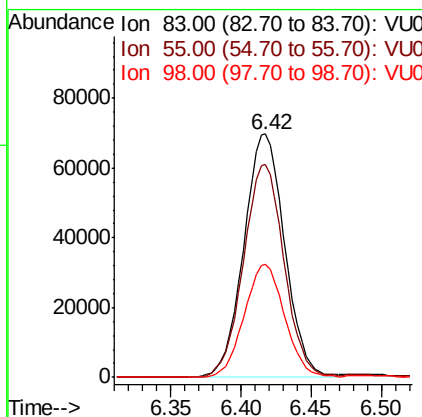
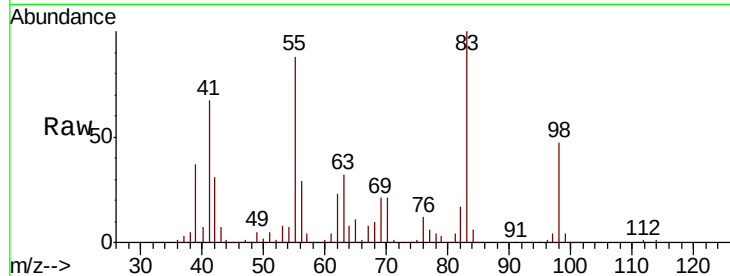
#39
Methylvlcyclohexane
Concen: 53.965 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	83.00	Resp	141243
Ion Ratio	100	Lower	Upper
83	100		
55	87.7	71.1	106.7
98	46.6	36.3	54.5

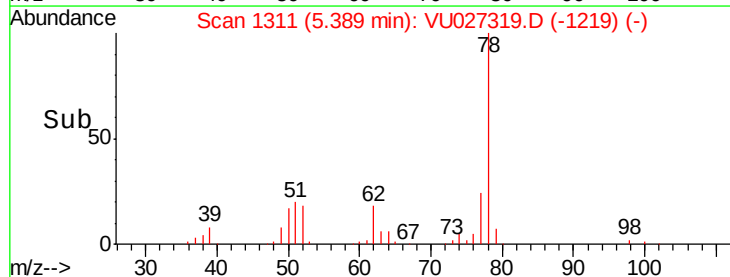
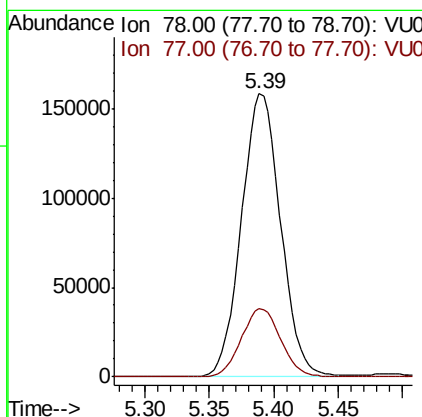
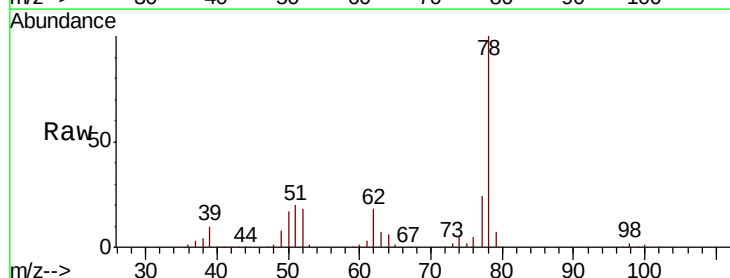
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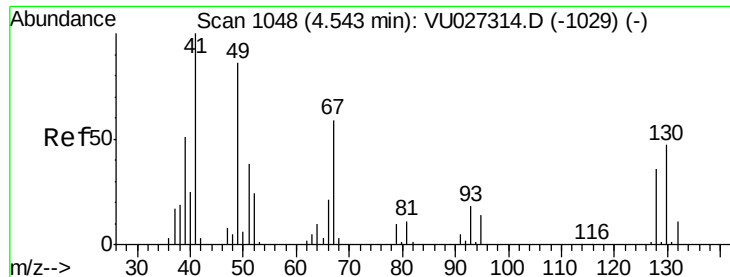
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#40
Benzene
Concen: 51.363 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	78.00	Resp	334988
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.3	28.9





#41

Methacrylonitrile

Concen: 51.518 ug/l

RT: 4.54 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

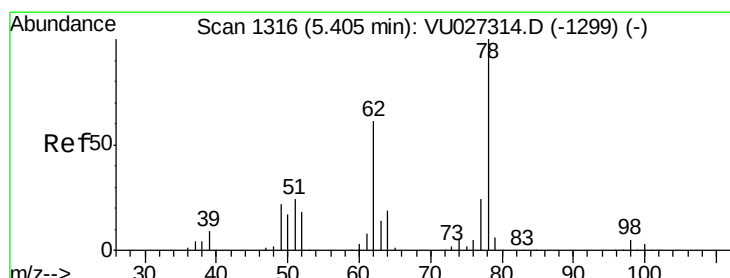
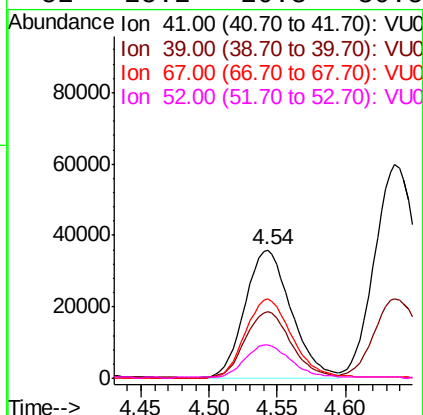
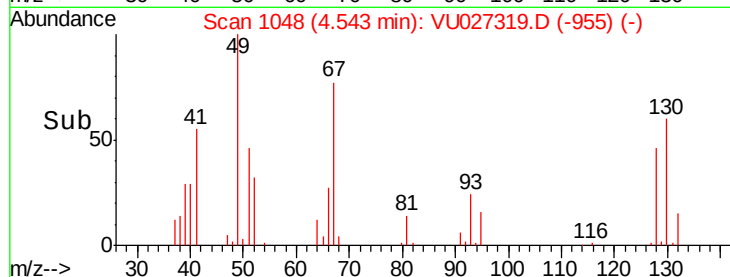
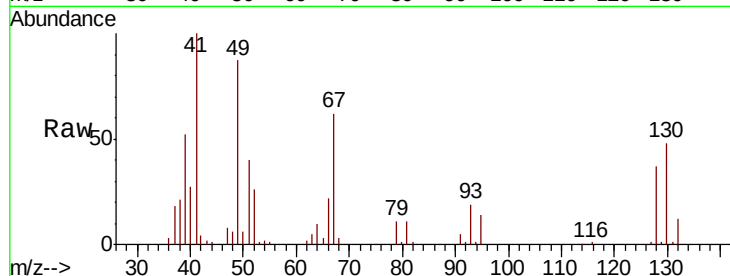
ClientSampleId :

ICVVU100118

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	41.1	61.7	
67	63.1	50.4	75.6	
52	25.2	20.3	30.5	

Manual Integrations
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10/3/2018 11:41:44 AM



#42

1,2-Dichloroethane

Concen: 51.450 ug/l

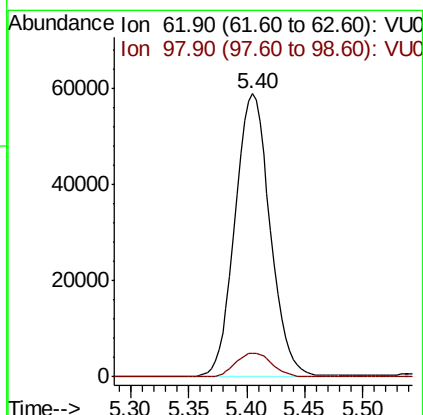
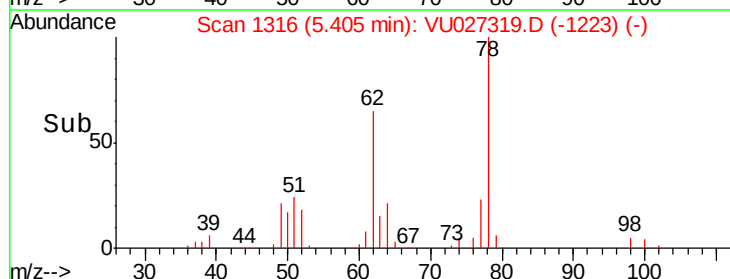
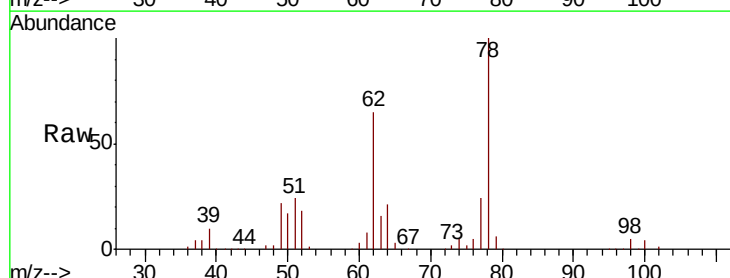
RT: 5.40 min Scan# 1316

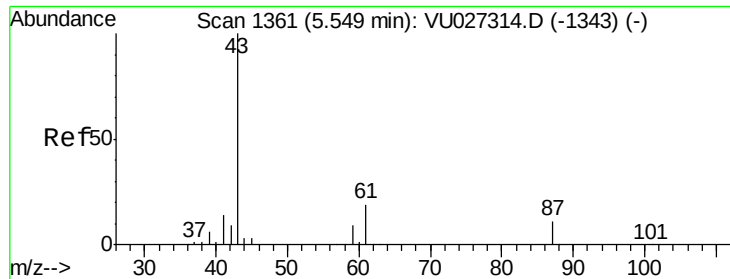
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	16.8	





#43

Isopropyl Acetate

Concen: 51.761 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

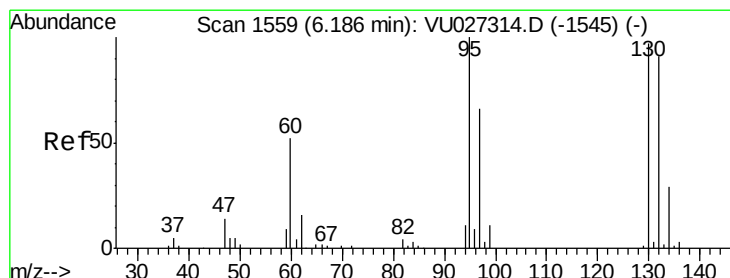
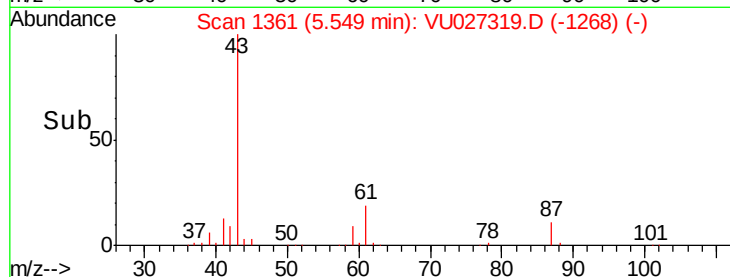
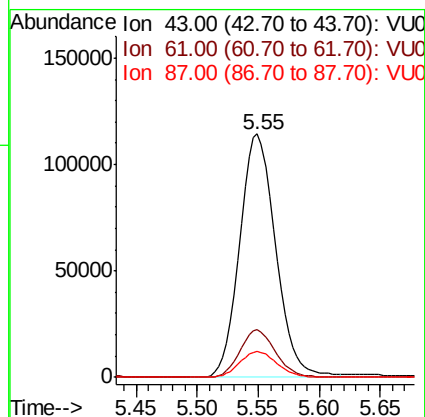
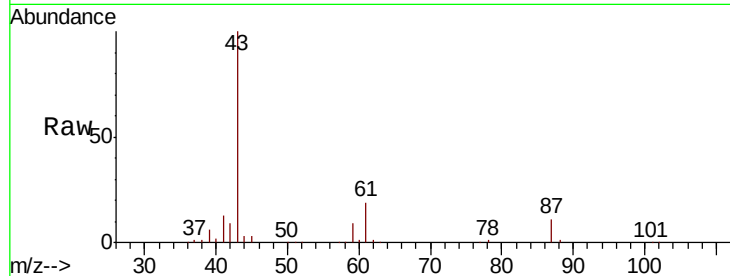
ClientSampleId :

ICVVU100118

Tot Ion:	43	Resp:	232627
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.3	22.9
87	11.0	8.6	13.0

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#44

Trichloroethene

Concen: 51.331 ug/l

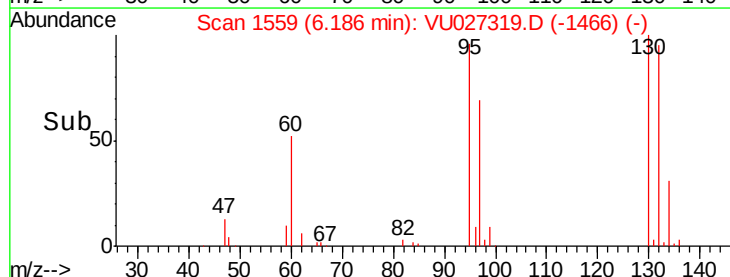
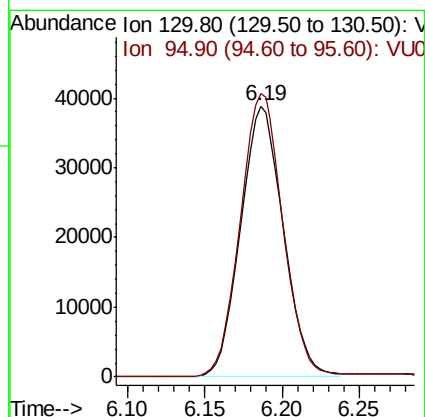
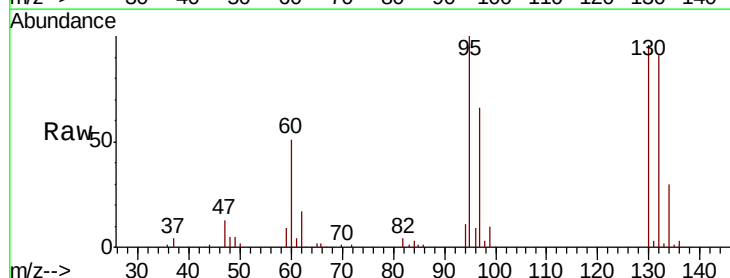
RT: 6.19 min Scan# 1559

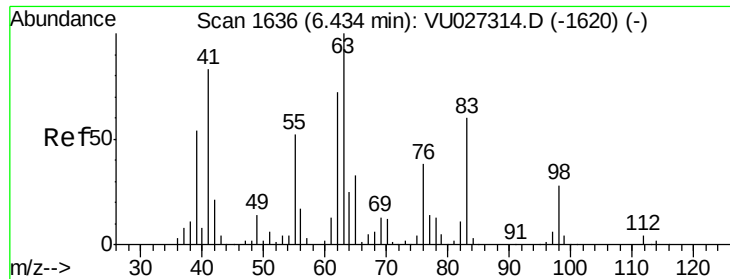
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion:	130	Resp:	74650
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	207.0





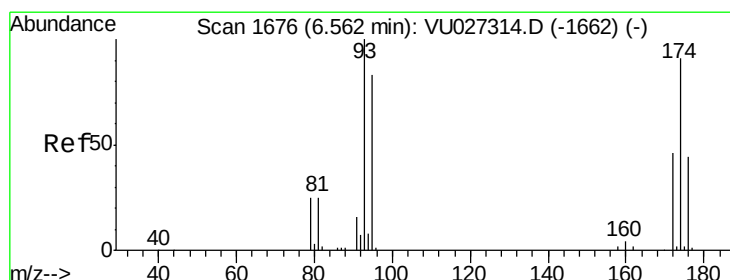
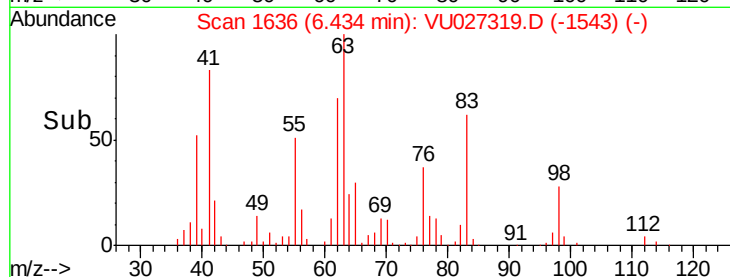
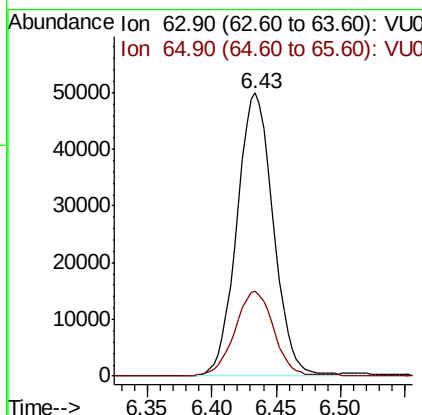
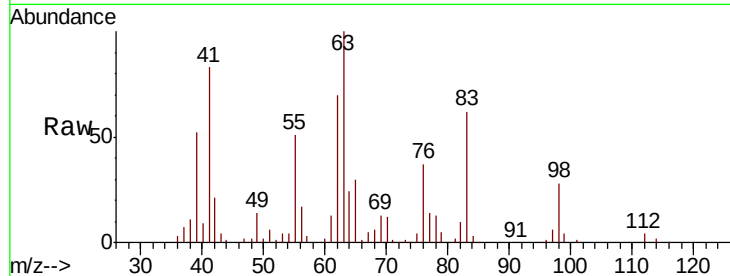
#45
 1,2-Dichloropropane
 Concen: 52.160 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion: 63 Resp: 98122
 Ion Ratio Lower Upper
 63 100
 65 30.1 26.0 39.0

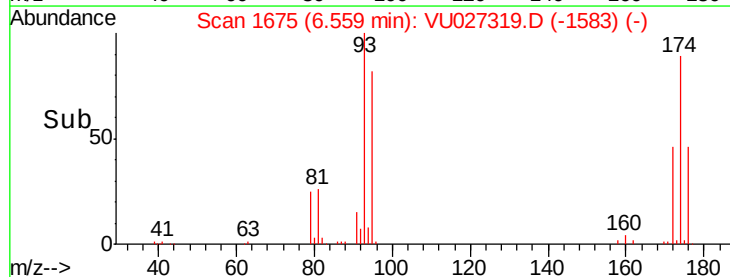
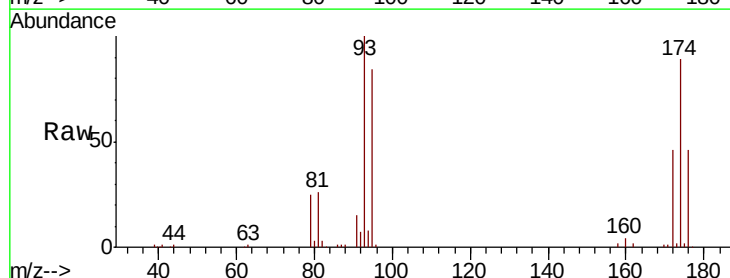
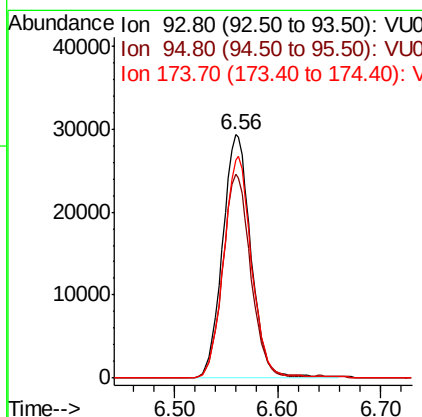
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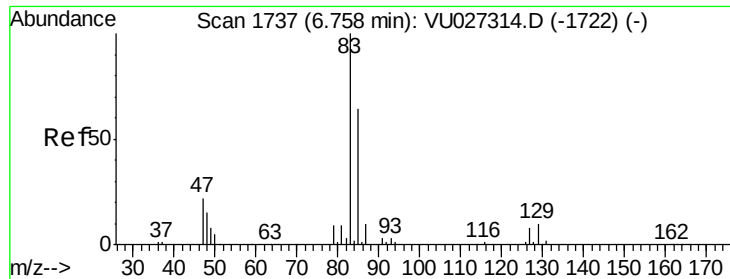
MMDadoda
 10/3/2018 11:41:44 AM



#46
 Dibromomethane
 Concen: 52.951 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion: 93 Resp: 56258
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.5 99.7
 174 89.2 72.5 108.7





#47

Bromodichloromethane

Concen: 51.939 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

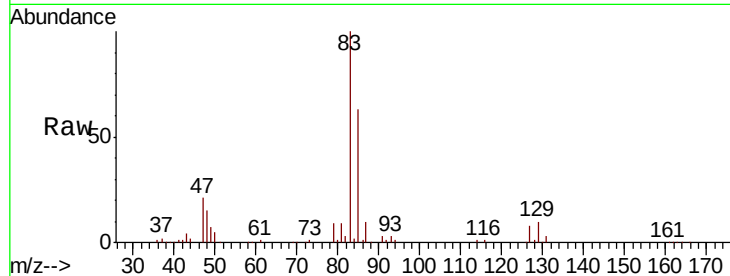
ClientSampleId :

ICVVU100118

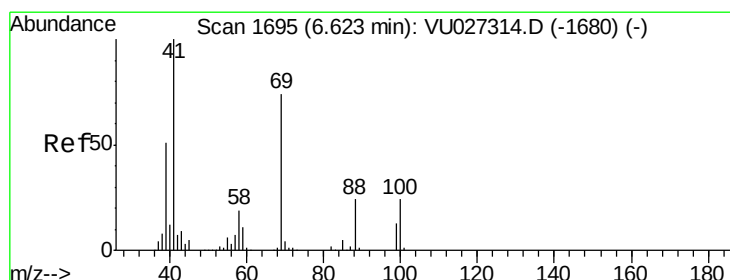
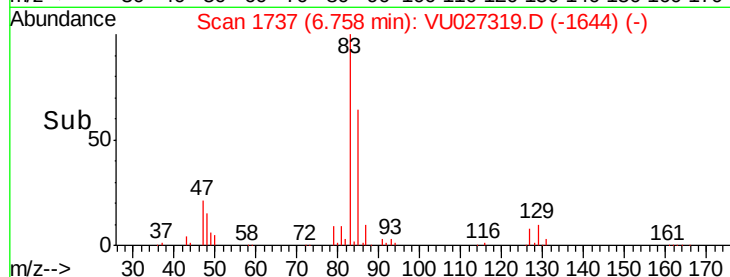
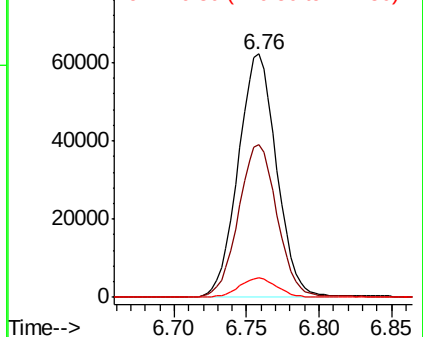
Tot Ion:	83	Resp:	114505
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.0
127	8.0	6.3	9.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.234 ug/l

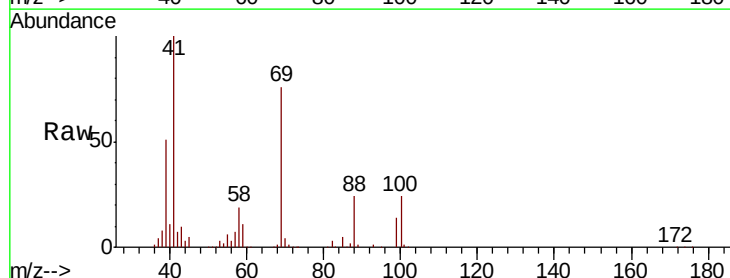
RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

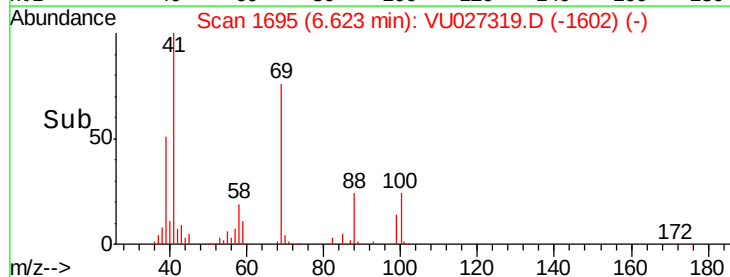
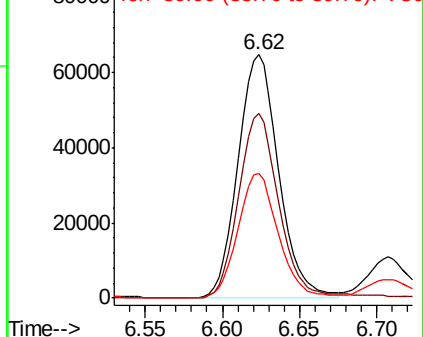
Lab File: VU027319.D

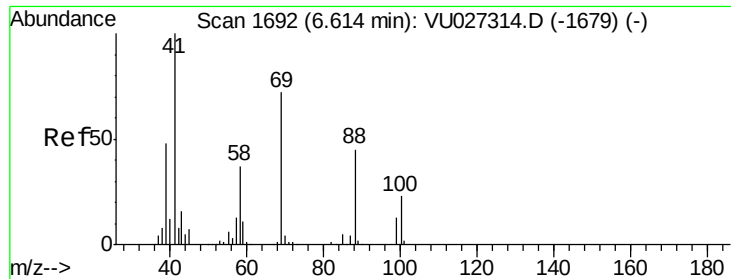
Acq: 01 Oct 2018 13:22

Tgt Ion:	41	Resp:	118974
Ion	Ratio	Lower	Upper
41	100		
69	76.2	61.0	91.4
39	50.6	39.9	59.9



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





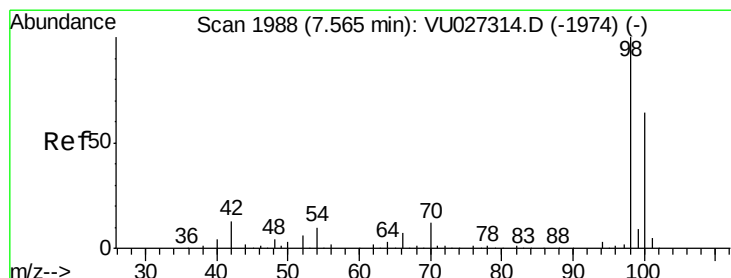
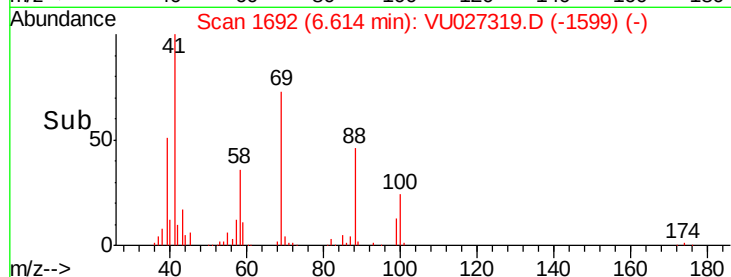
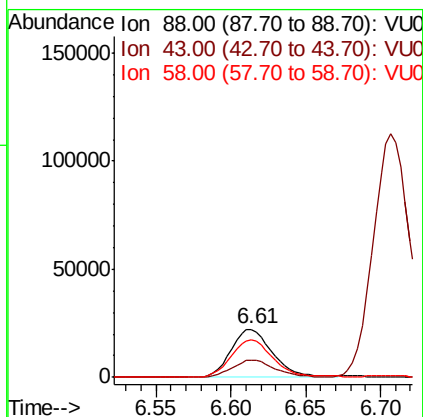
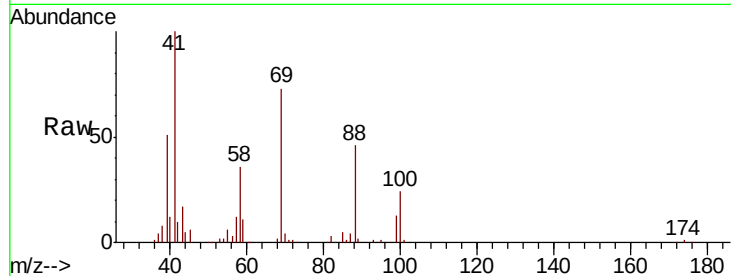
#49
1,4-Dioxane
Concen: 1128.288 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	30.8	46.2
58	79.2	67.0	100.6

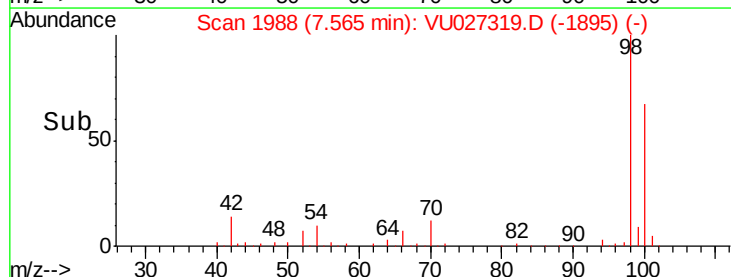
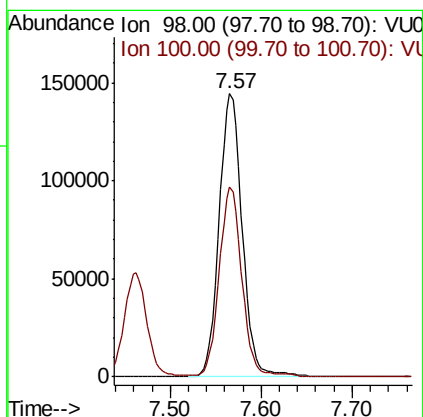
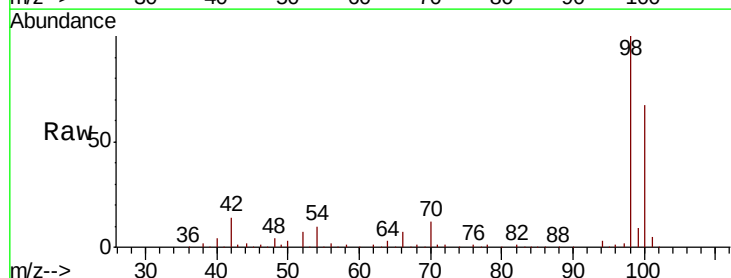
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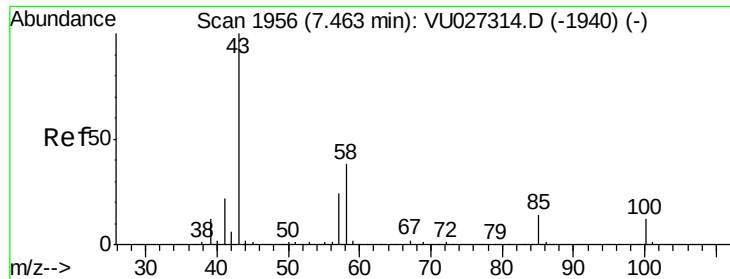
MMDadoda
10/3/2018 11:41:44 AM



#50
Toluene-d8
Concen: 48.288 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 261.113 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 43 Resp: 762561

Ion Ratio Lower Upper

43 100

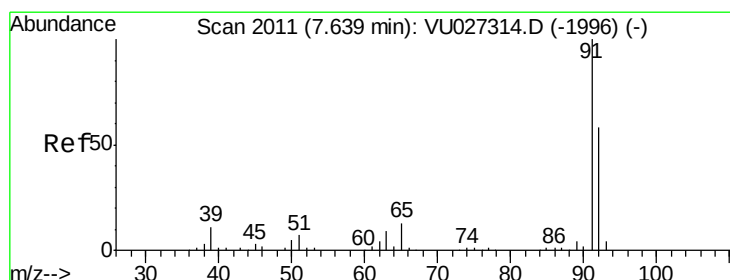
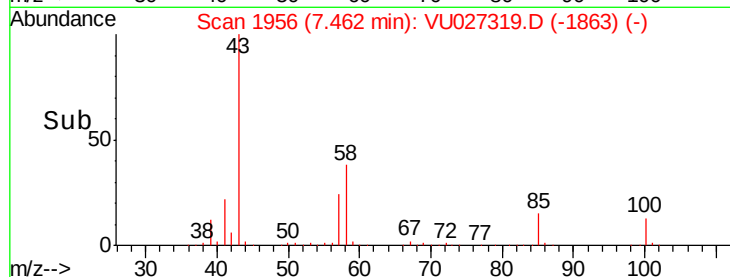
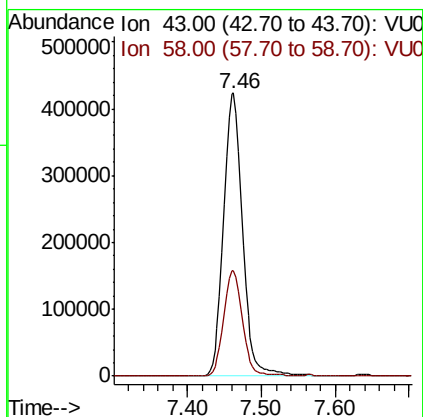
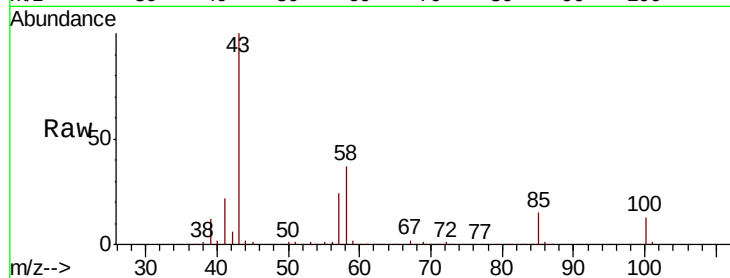
58 37.2 29.8 44.8

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#52

Toluene

Concen: 52.495 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027319.D

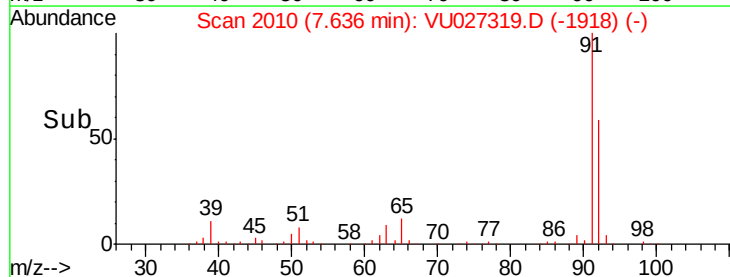
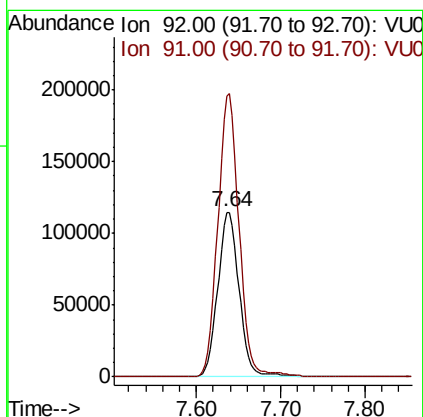
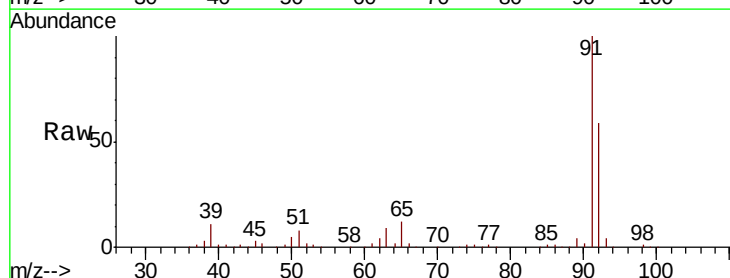
Acq: 01 Oct 2018 13:22

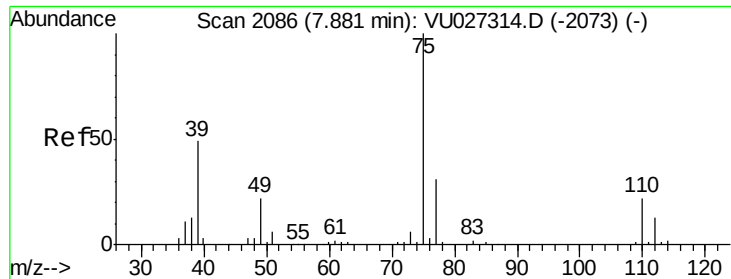
Tgt Ion: 92 Resp: 202648

Ion Ratio Lower Upper

92 100

91 170.5 138.6 208.0





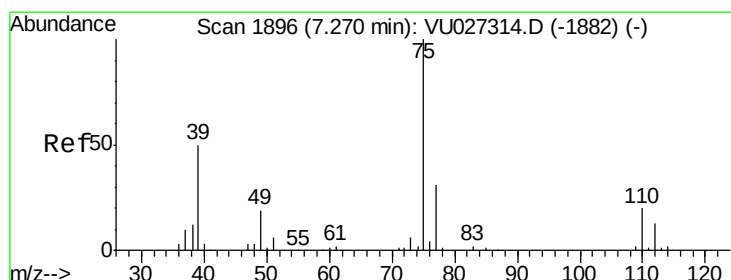
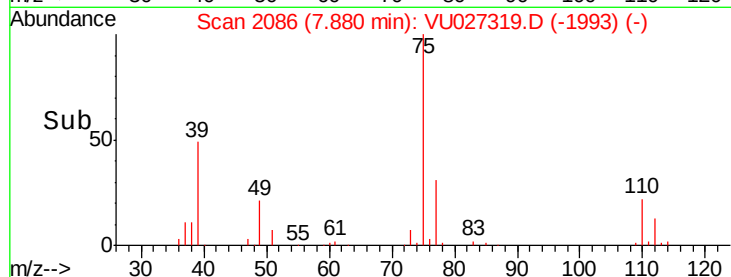
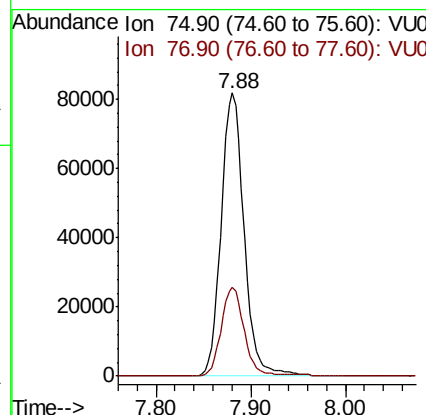
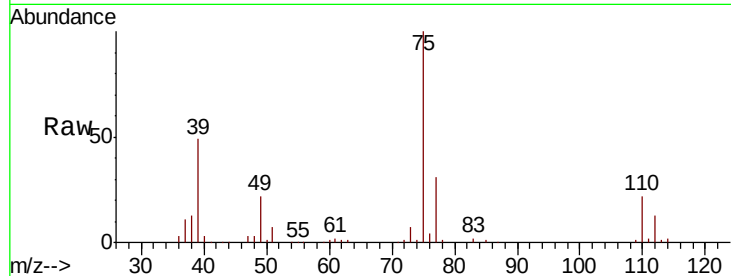
#53
t-1,3-Dichloropropene
Concen: 53.319 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

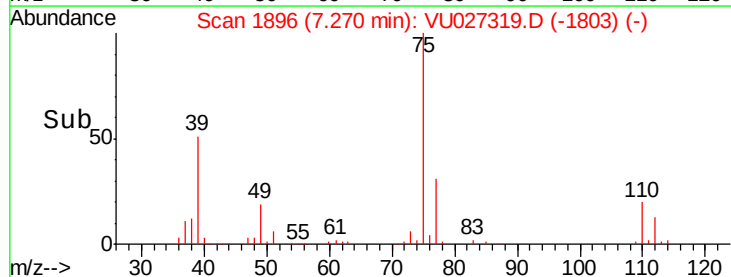
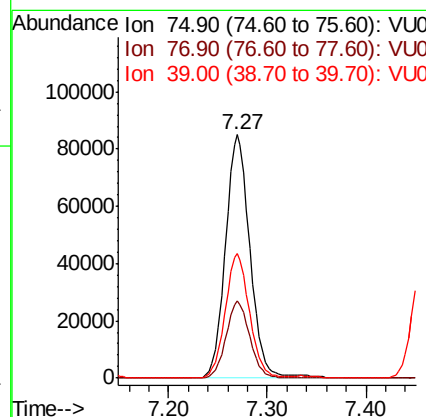
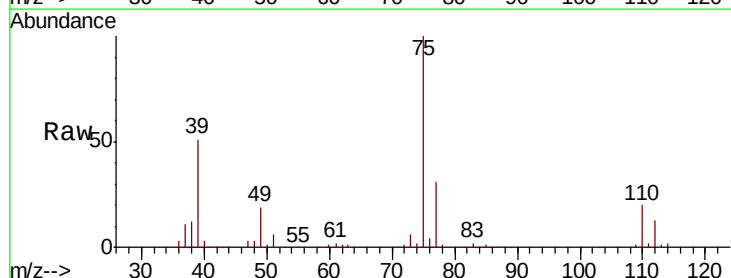
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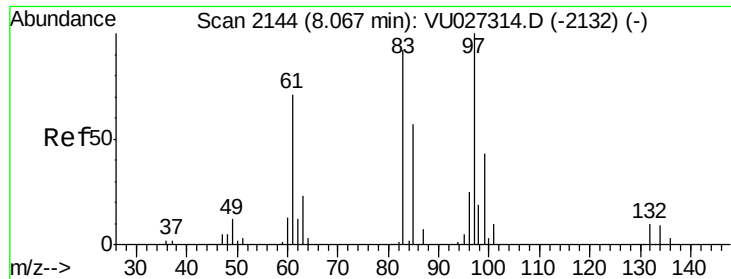
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.422 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7
39	51.4	40.1	60.1





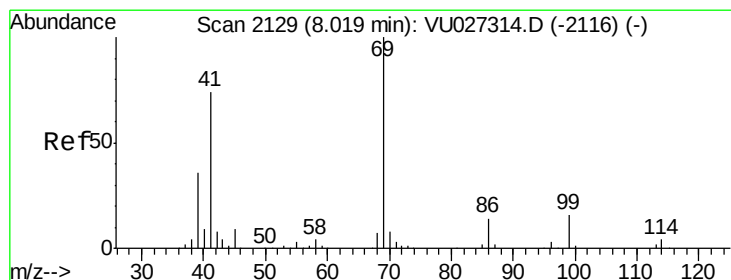
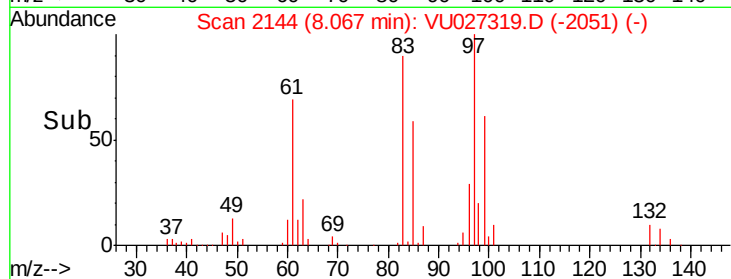
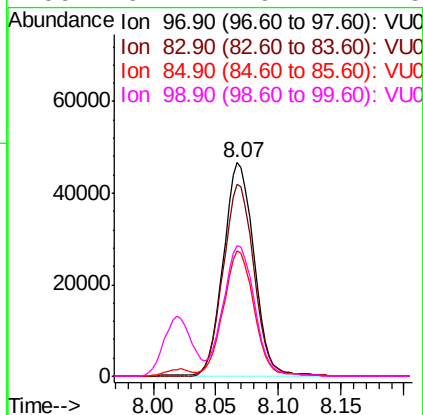
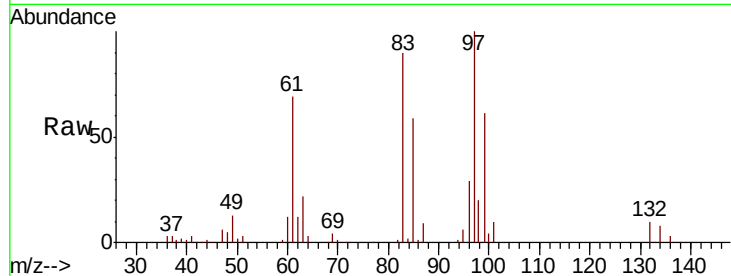
#55
 1,1,2-Trichloroethane
 Concen: 51.955 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion:	97	Resp:	79520
Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.0	109.6
85	58.6	47.3	70.9
99	61.1	49.7	74.5

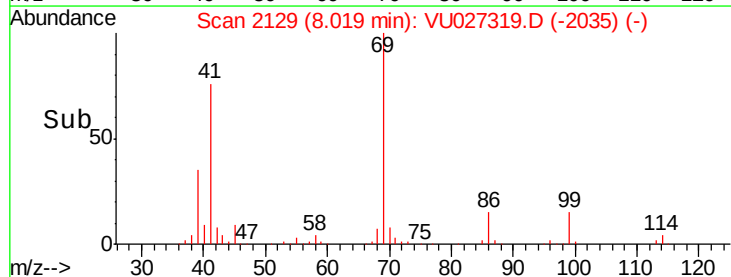
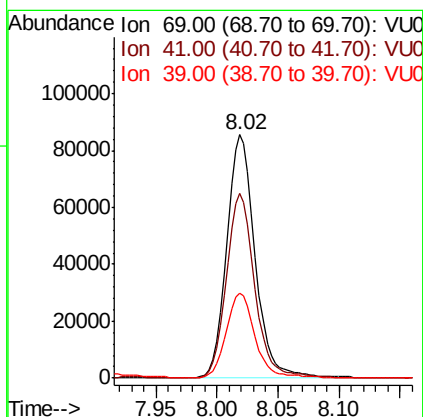
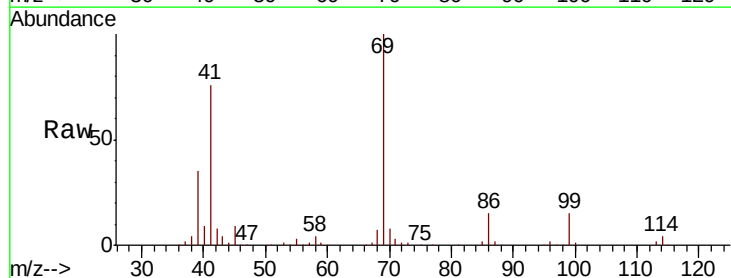
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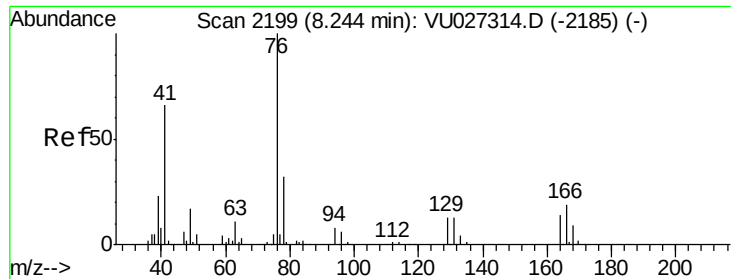
MMDadoda
 10/3/2018 11:41:44 AM



#56
 Ethyl methacrylate
 Concen: 47.707 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion:	69	Resp:	139509
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.0	90.0
39	35.3	29.5	44.3





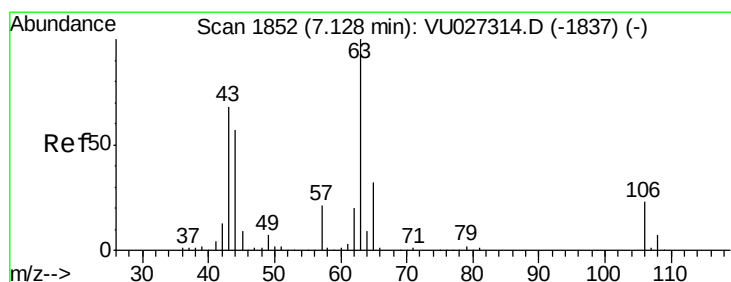
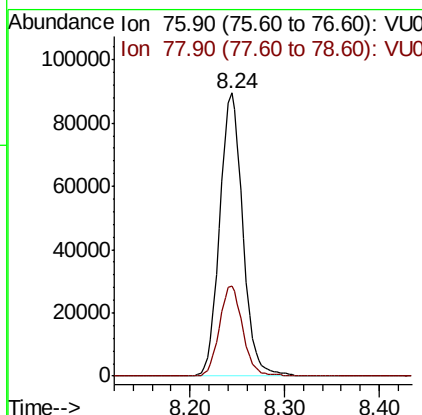
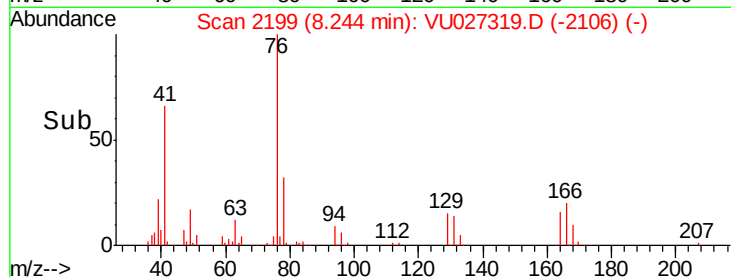
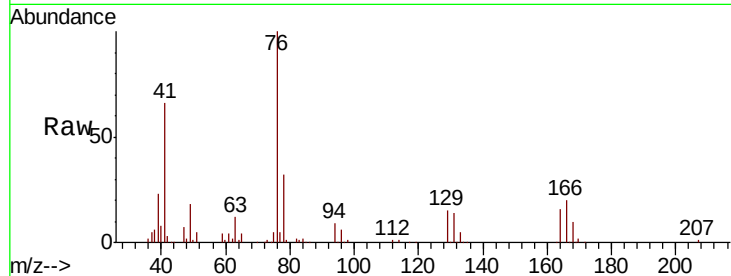
#57
 1,3-Dichloropropane
 Concen: 51.061 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

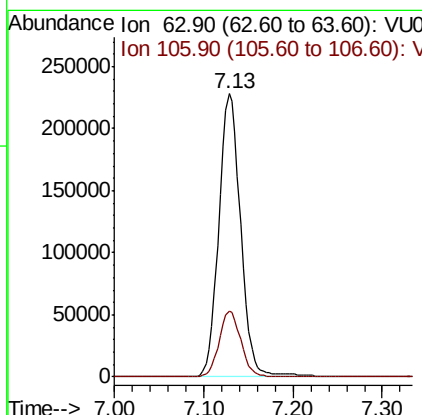
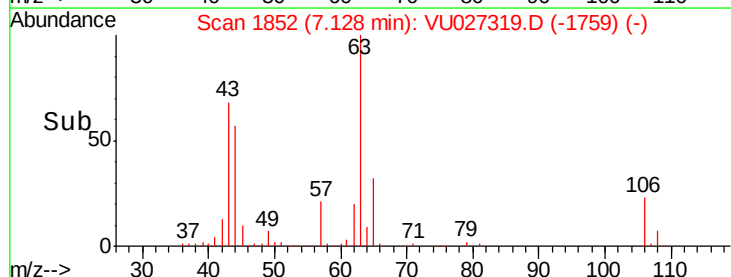
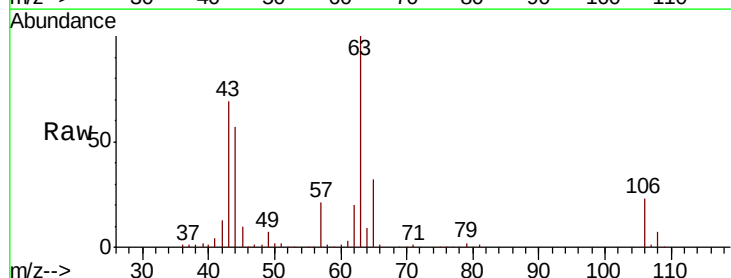
Manual Integrations
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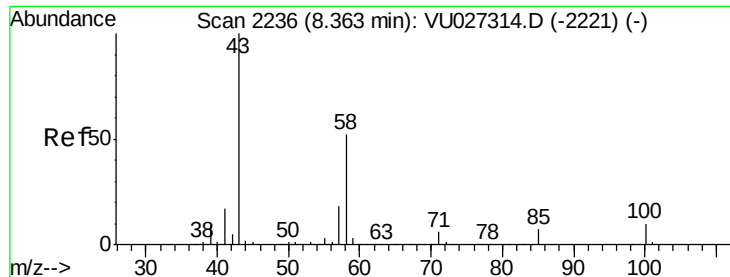
MMDadoda
 10/3/2018 11:41:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.294 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.5	27.7





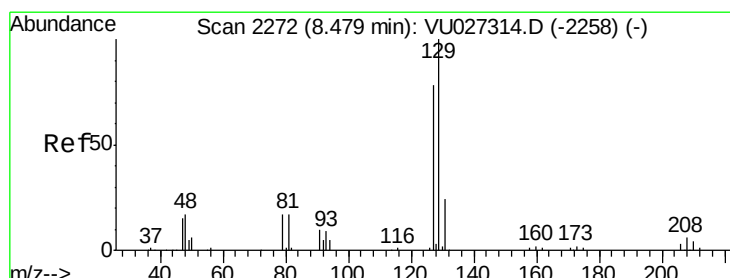
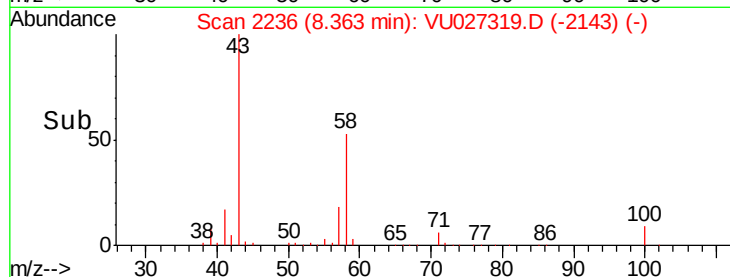
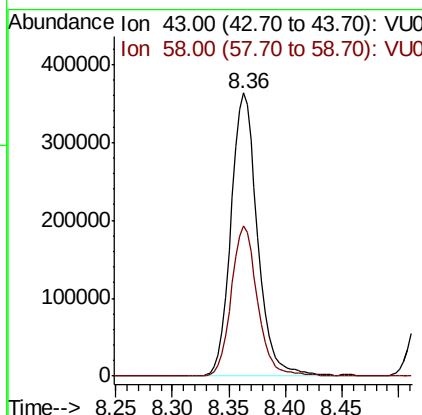
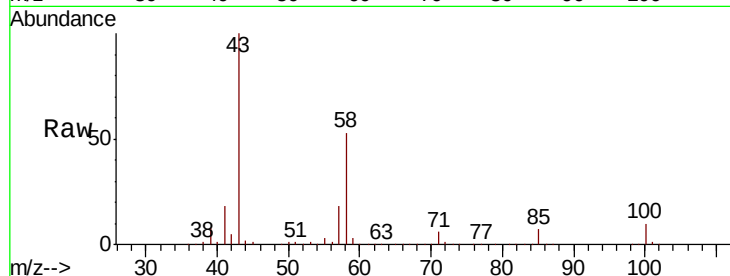
#59
2-Hexanone
Concen: 262.187 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion: 43 Resp: 593969
Ion Ratio Lower Upper
43 100
58 52.7 26.1 78.3

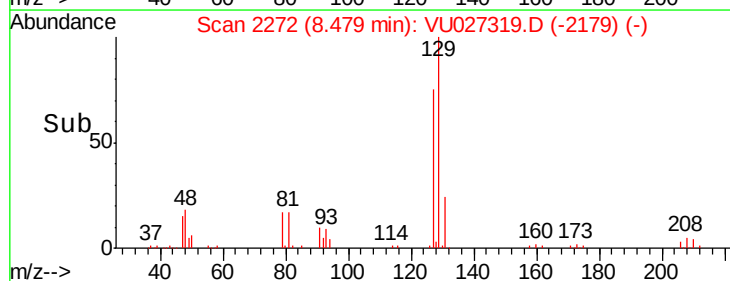
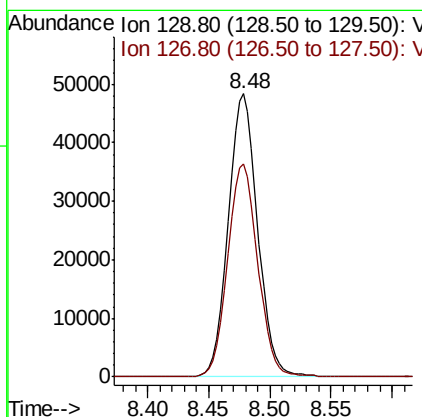
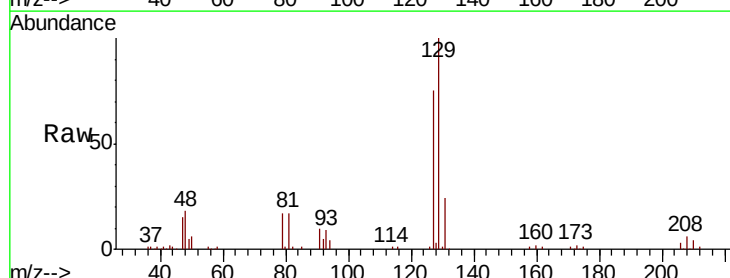
Manual Integrations
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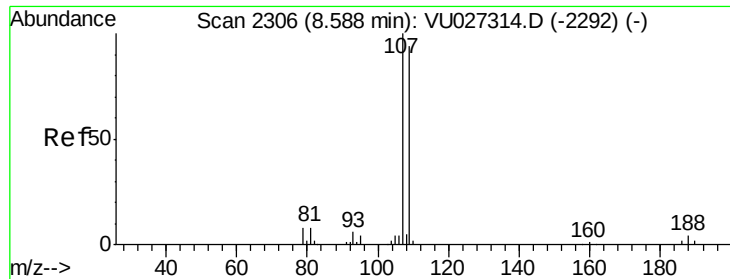
MMDadoda
10/3/2018 11:41:44 AM



#60
Dibromochloromethane
Concen: 53.061 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion: 129 Resp: 81453
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.561 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion:107 Resp: 83907

Ion Ratio Lower Upper

107 100

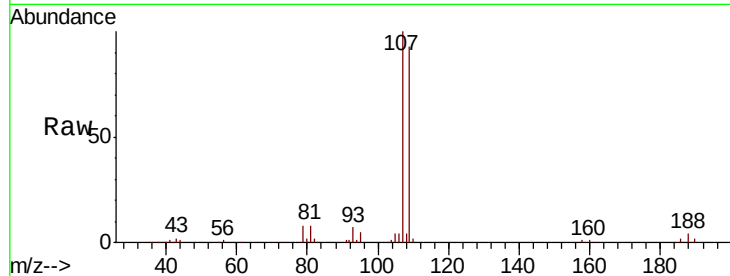
109 93.3 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

50000

40000

30000

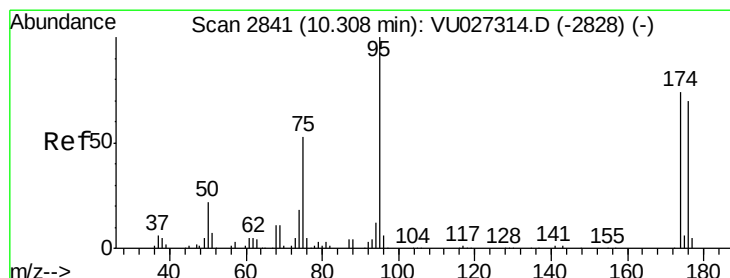
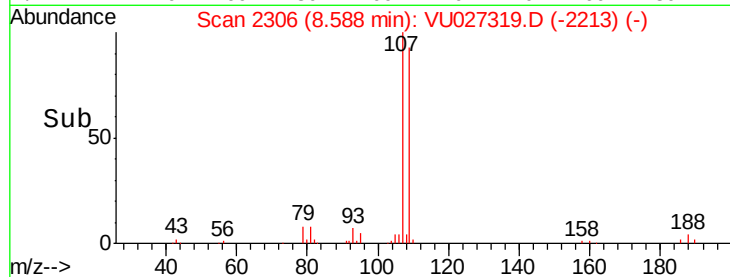
20000

10000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

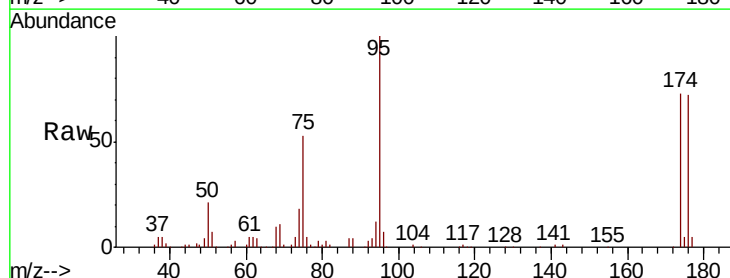
Tgt Ion: 95 Resp: 93172

Ion Ratio Lower Upper

95 100

174 73.4 0.0 147.8

176 71.7 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

80000

60000

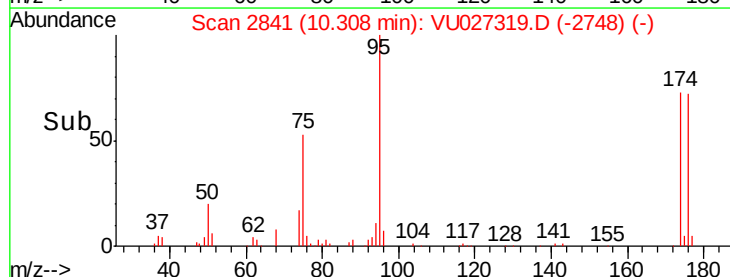
40000

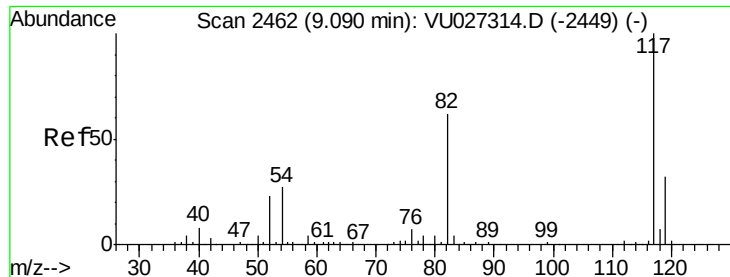
20000

0

10.25 10.30 10.35 10.40

Time-->





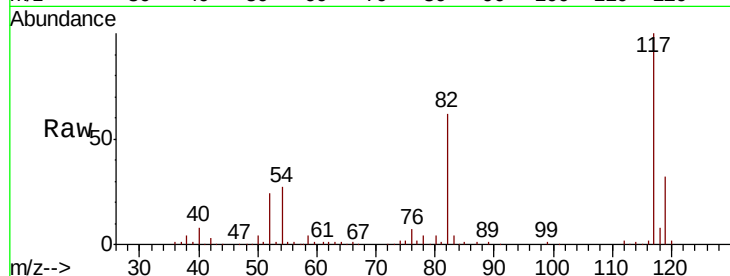
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Resp	Lower	Upper
117	100	192751		
82	62.2	49.2	73.8	
119	31.7	25.7	38.5	

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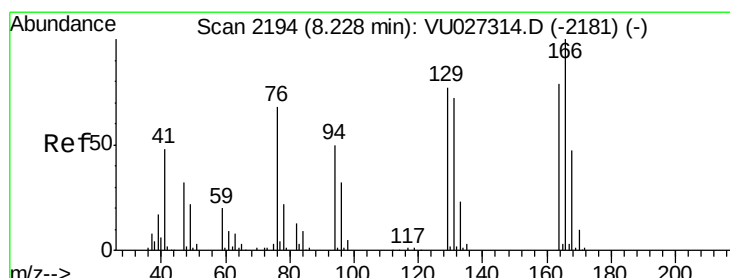
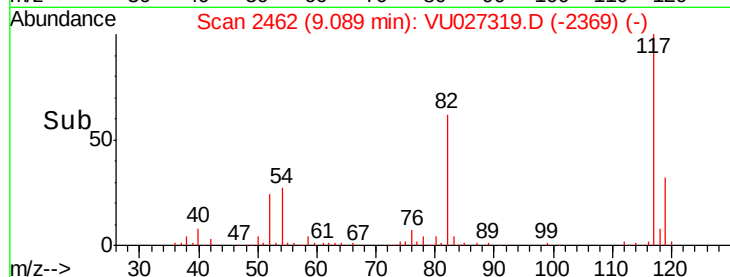
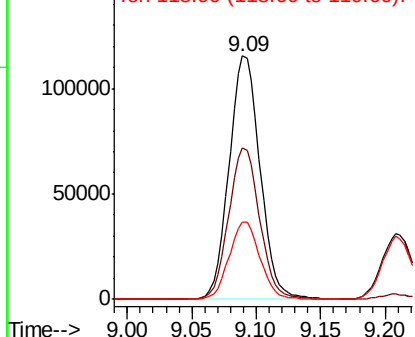


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.957 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	63544		
166	127.8	101.0	151.6	
129	95.9	78.0	117.0	
131	91.8	72.6	109.0	

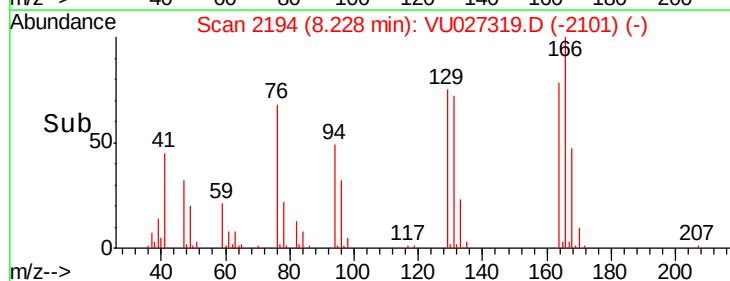
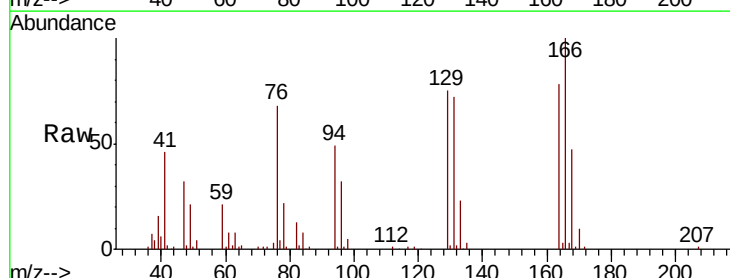
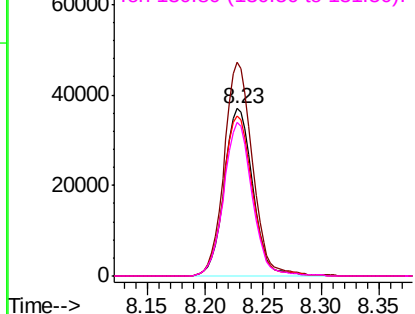
Abundance

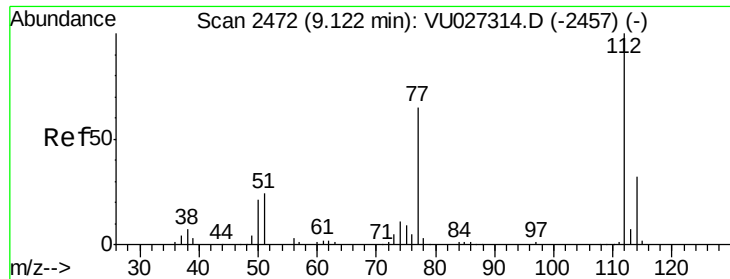
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





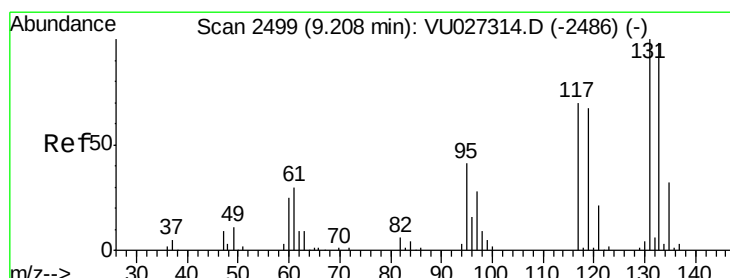
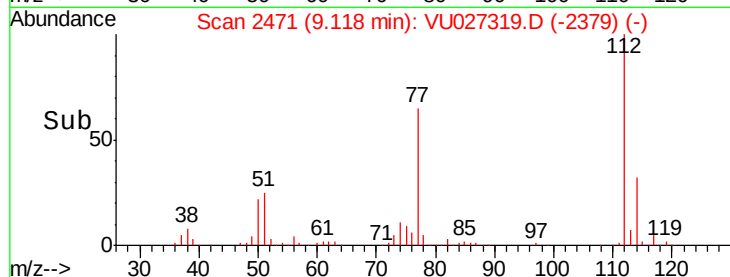
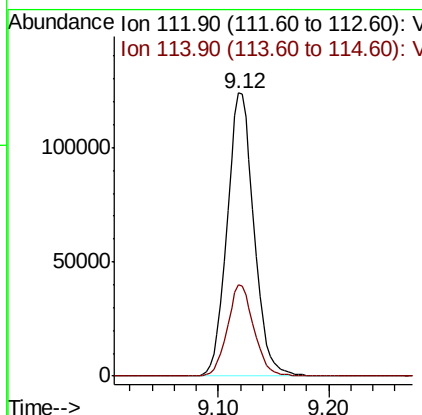
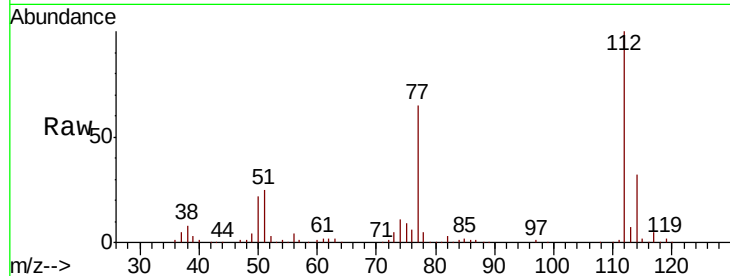
#65
Chlorobenzene
Concen: 51.560 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion:112 Resp: 209194
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

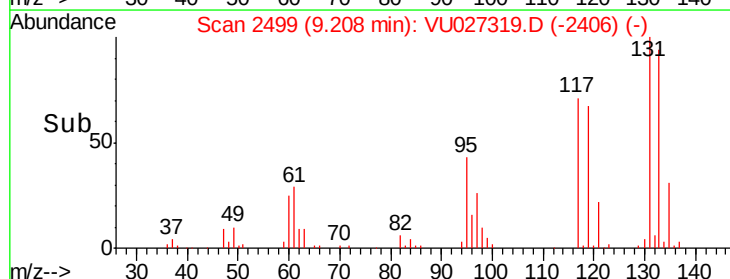
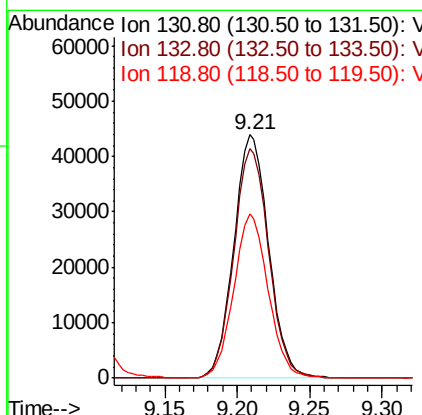
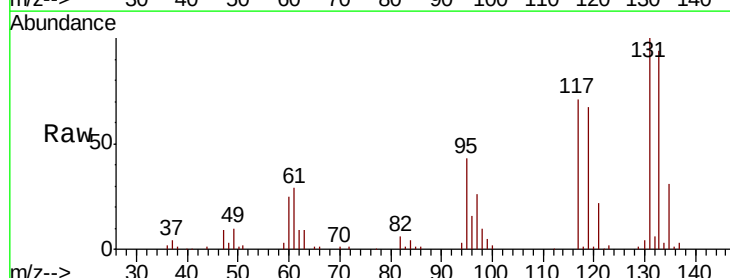
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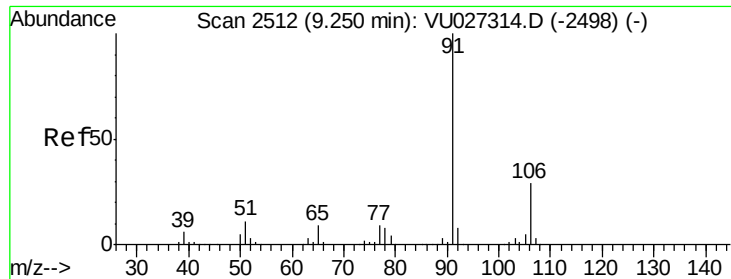
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.403 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion:131 Resp: 73398
Ion Ratio Lower Upper
131 100
133 94.7 48.5 145.6
119 66.6 33.5 100.4





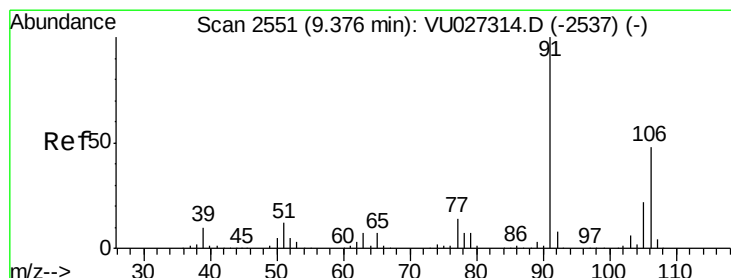
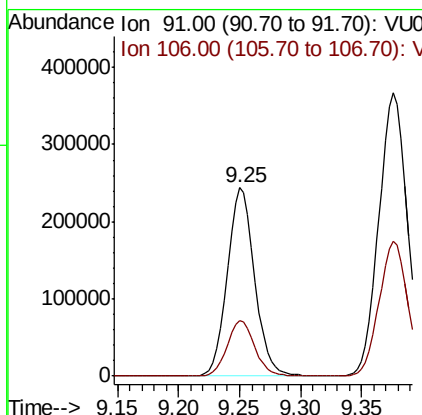
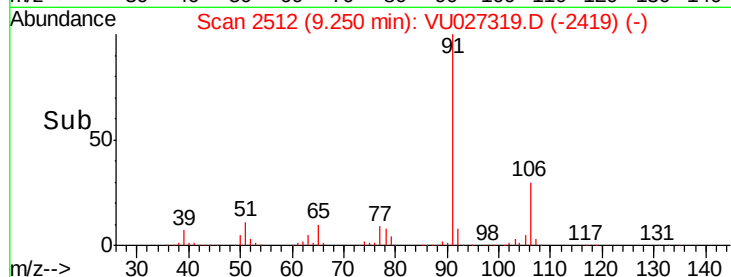
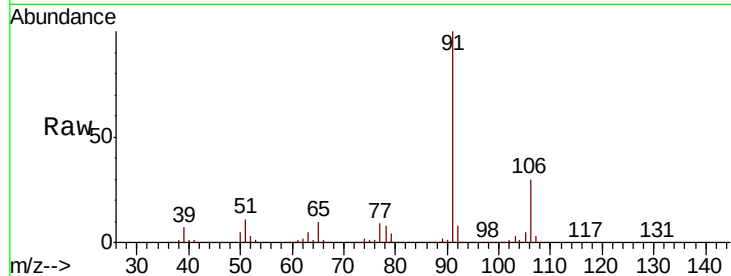
#67
Ethyl Benzene
Concen: 53.353 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion: 91 Resp: 383517
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4

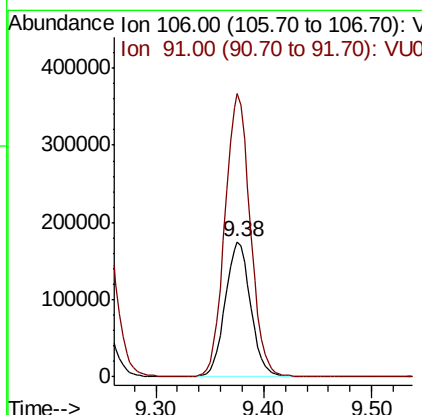
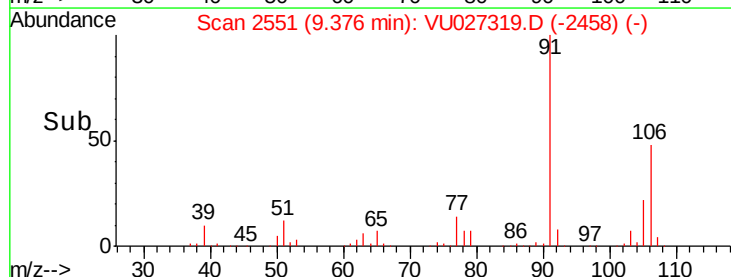
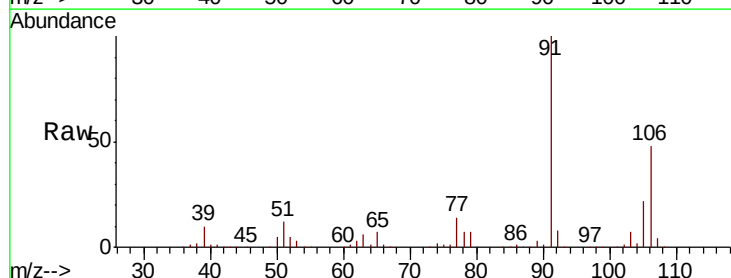
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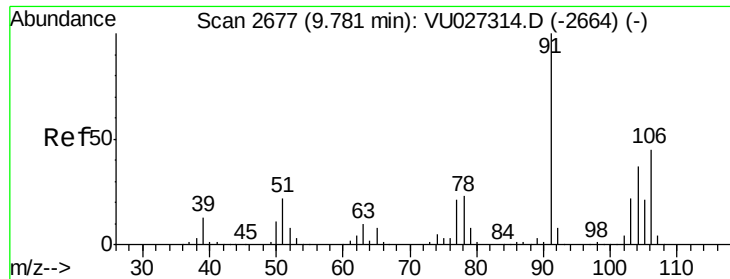
MMDadoda
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#68
m/p-Xylenes
Concen: 108.940 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion: 106 Resp: 286444
Ion Ratio Lower Upper
106 100
91 210.2 168.1 252.1





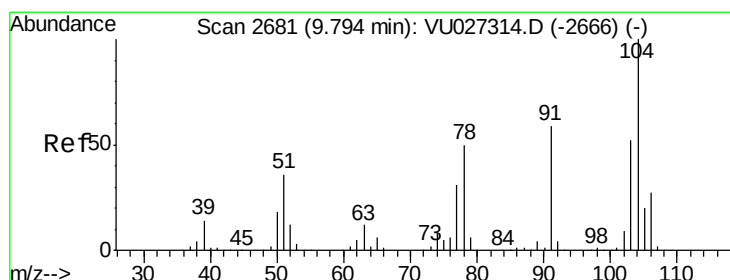
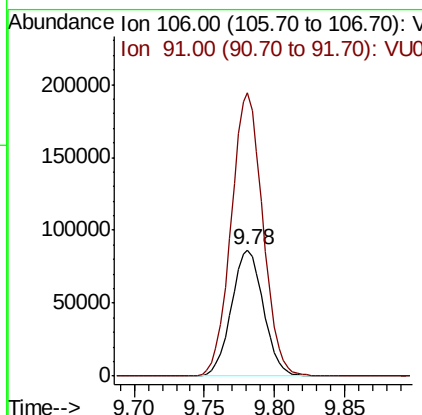
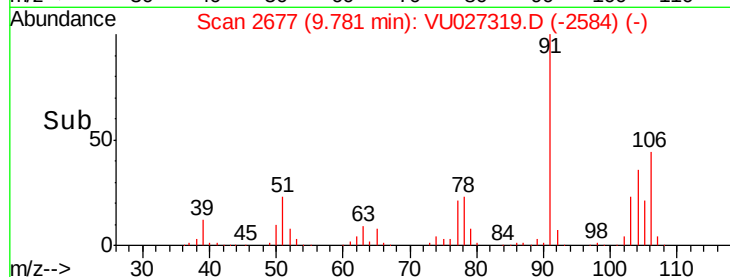
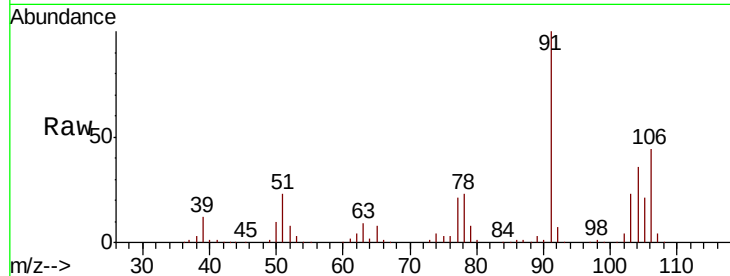
#69
o-Xylene
Concen: 55.090 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion:106 Resp: 137653
Ion Ratio Lower Upper
106 100
91 221.7 111.7 334.9

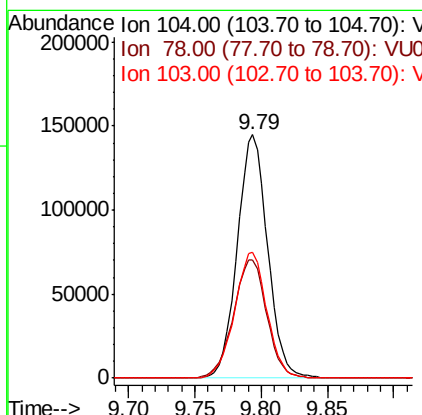
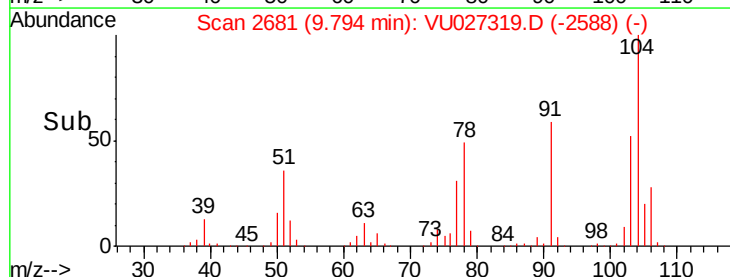
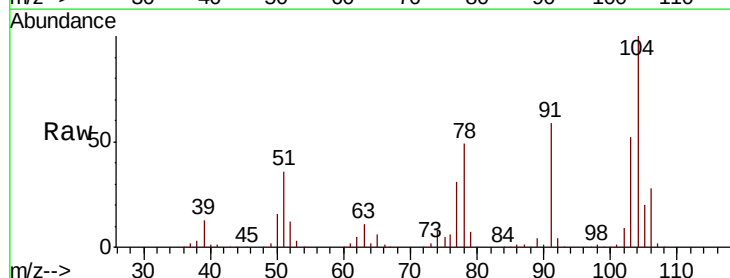
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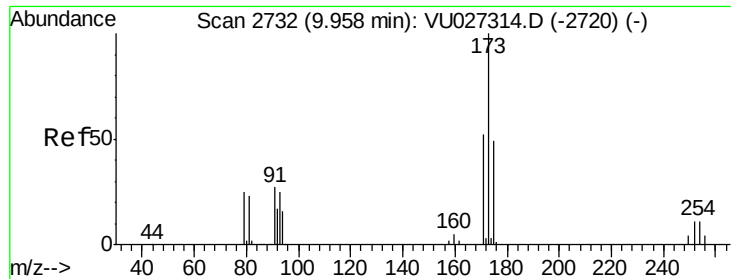
MMDadoda
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#70
Styrene
Concen: 49.346 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion:104 Resp: 230334
Ion Ratio Lower Upper
104 100
78 53.3 42.9 64.3
103 55.0 43.9 65.9





#71

Bromoform

Concen: 52.056 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

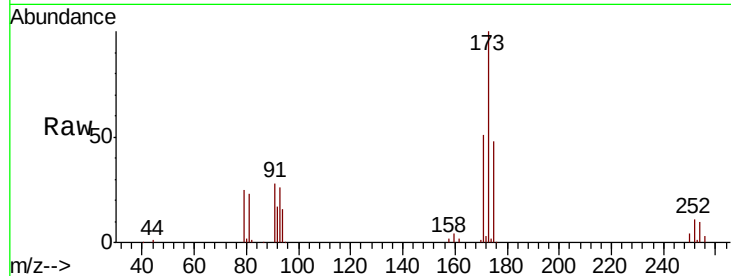
ClientSampleId :

ICVVU100118

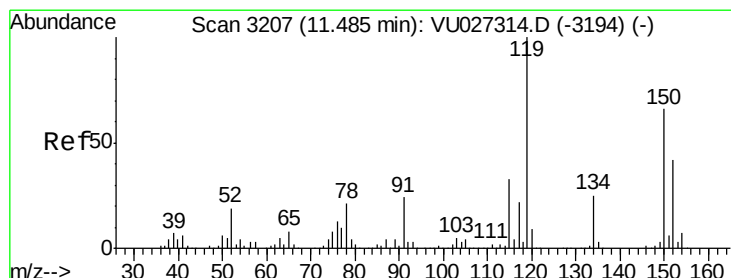
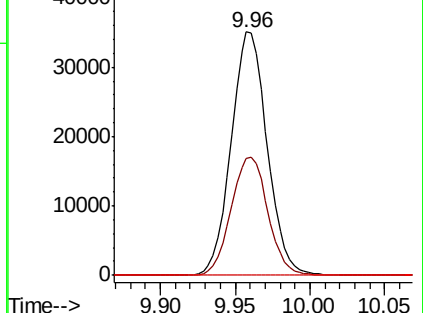
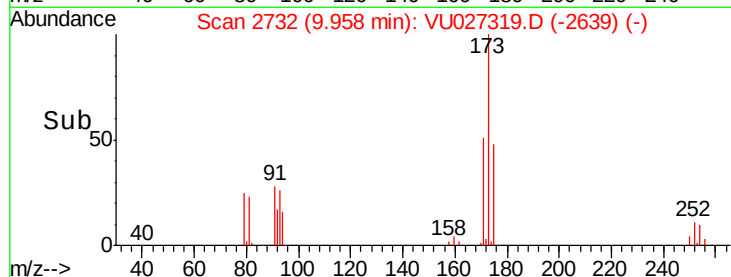
Tot Ion:	173	Resp:	58661
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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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

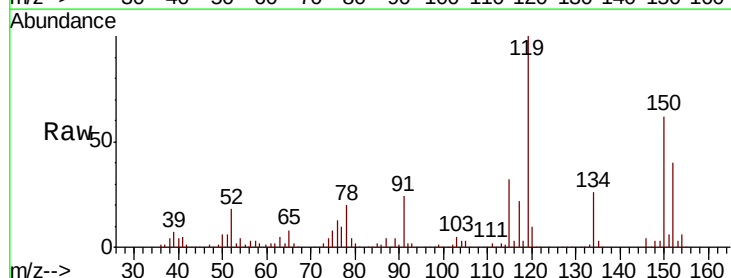
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

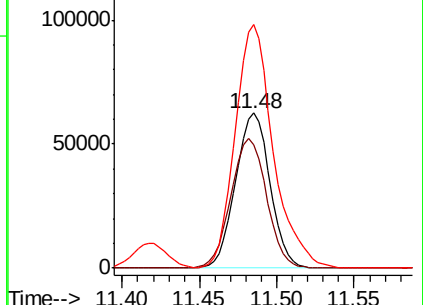
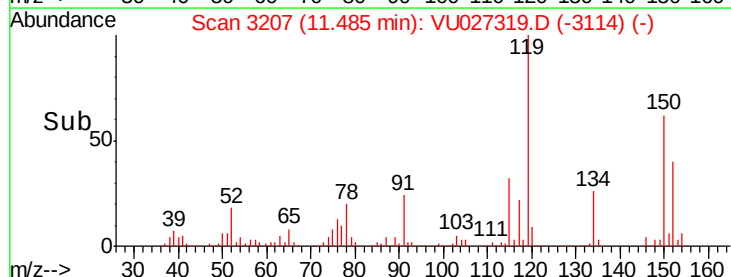
Lab File: VU027319.D

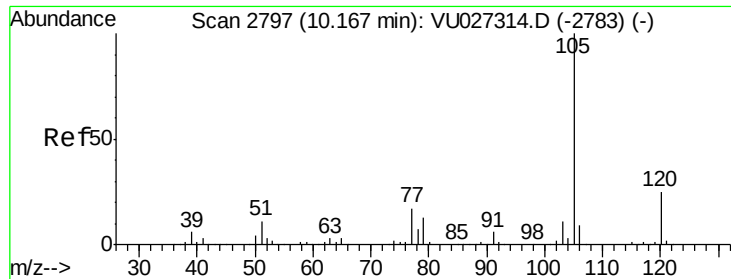
Acq: 01 Oct 2018 13:22

Tgt Ion:	152	Resp:	96889
Ion Ratio	Lower	Upper	
152	100		
115	86.5	43.4	130.2
150	173.2	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: 53.253 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampled :

ICVVU100118

Tot Ion: 105 Resp: 374736

Ion Ratio Lower Upper

105 100

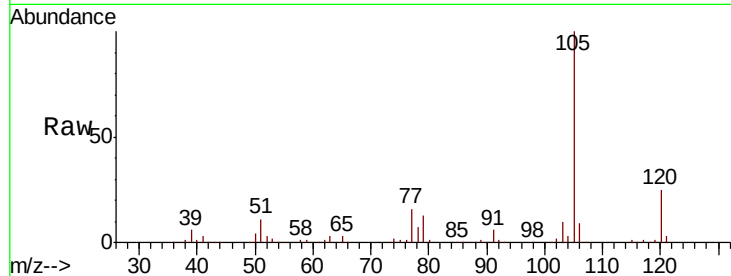
120 25.3 12.6 37.8

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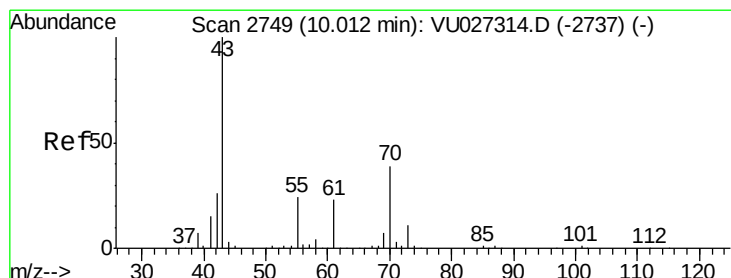
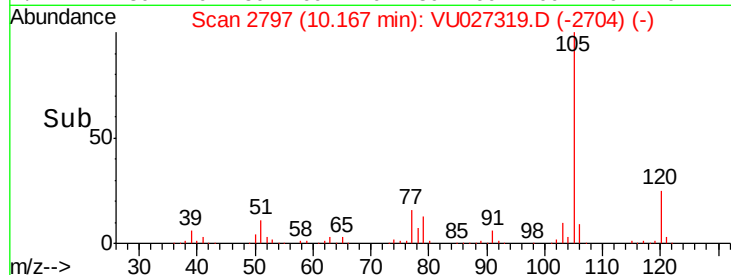
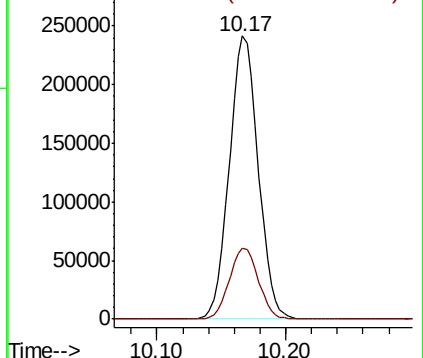
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.882 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion: 43 Resp: 213037

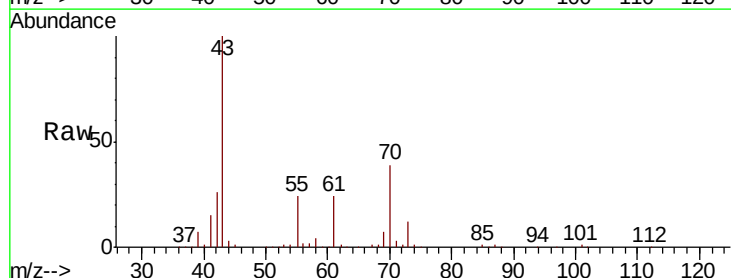
Ion Ratio Lower Upper

43 100

70 38.5 31.3 46.9

55 23.7 19.0 28.6

61 23.1 18.5 27.7

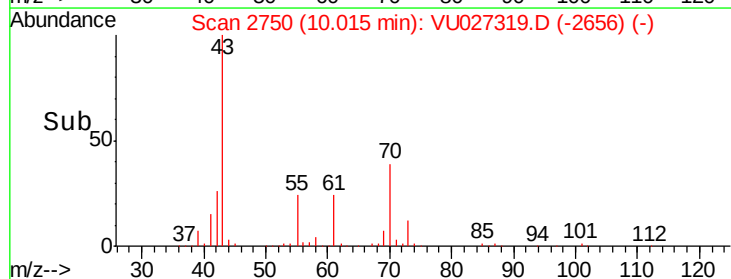
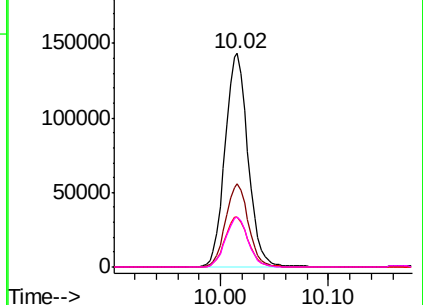


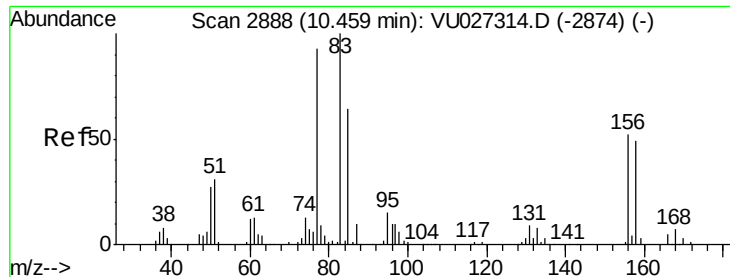
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.782 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

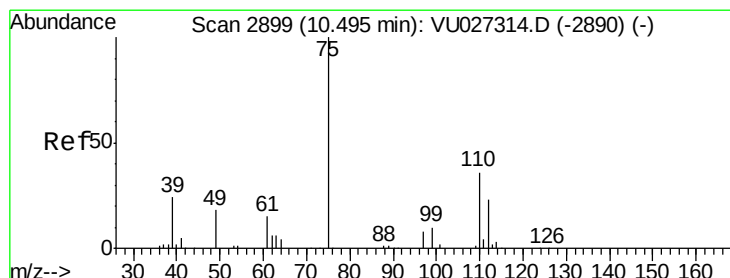
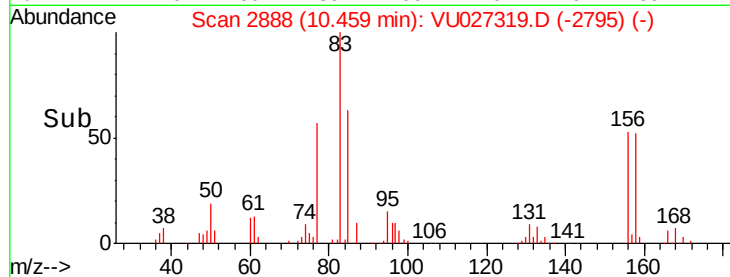
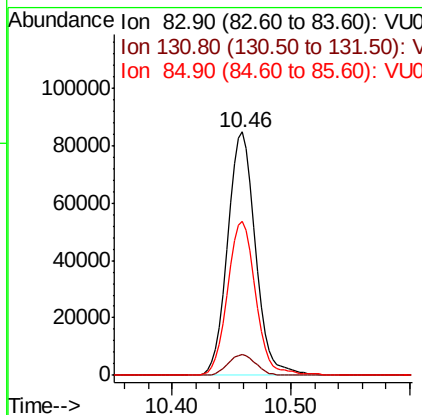
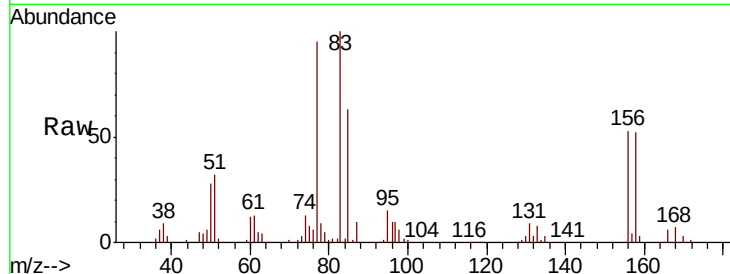
ClientSampleId :

ICVVU100118

Tot Ion:	83	Resp:	137552
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.4	13.2
85	64.0	32.0	96.0

Manual Integrations
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10/3/2018 11:41:44 AM



#76

1,2,3-Trichloropropane

Concen: 50.196 ug/l m

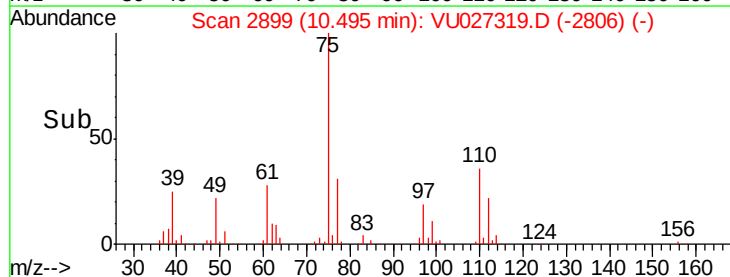
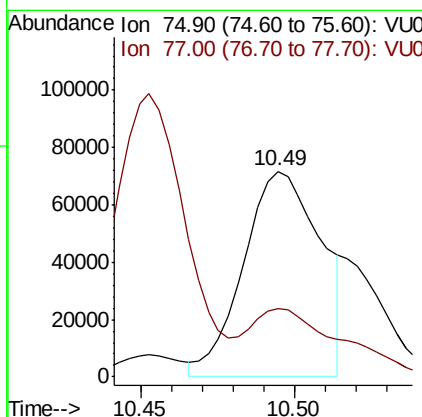
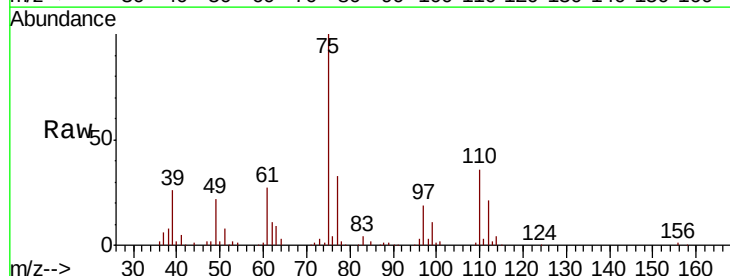
RT: 10.49 min Scan# 2899

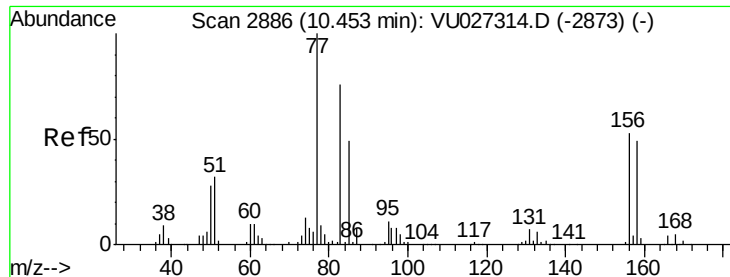
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion:	75	Resp:	126071
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.3	60.9





#77

Bromobenzene

Concen: 51.357 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

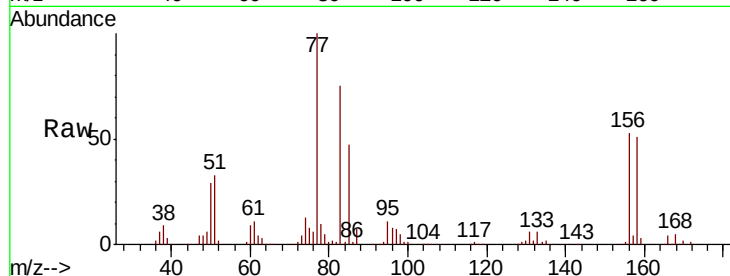
ClientSampleId :

ICVVU100118

Tot Ion:	156	Resp:	83989
Ion Ratio	Lower	Upper	
156	100		
77	190.5	94.8	284.4
158	96.9	47.4	142.3

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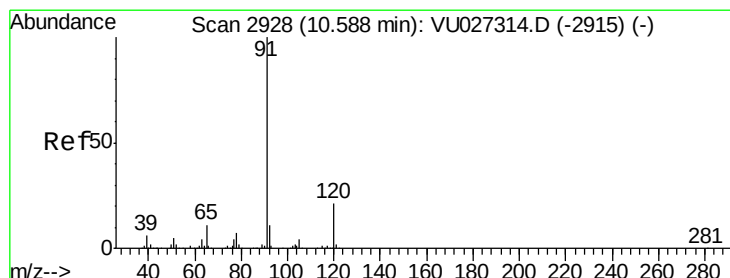
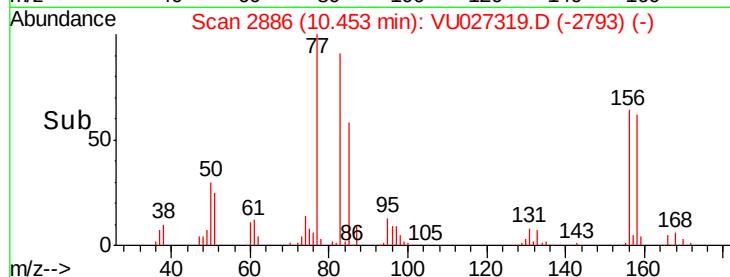
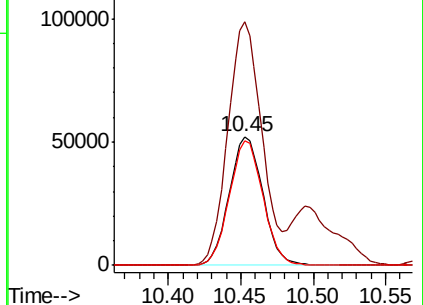
MMDadoda
10/3/2018 11:41:44 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.385 ug/l

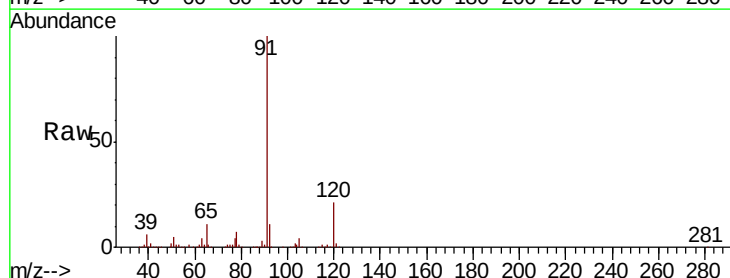
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027319.D

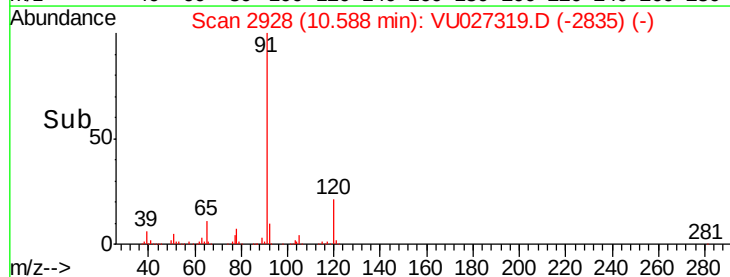
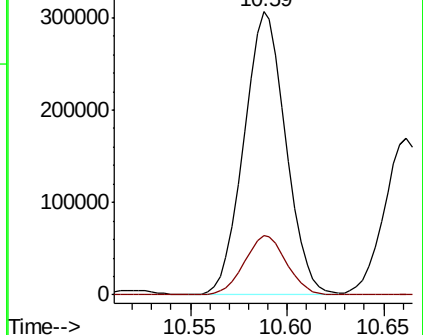
Acq: 01 Oct 2018 13:22

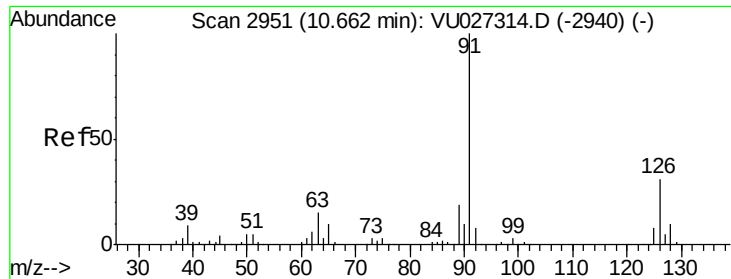
Tgt Ion:	91	Resp:	459867
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.739 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion: 91 Resp: 264154

Ion Ratio Lower Upper

91 100

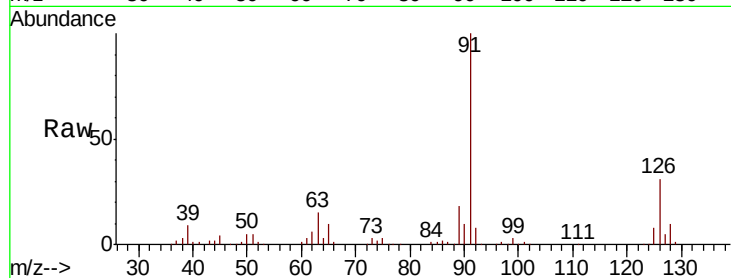
126 31.3 15.7 47.1

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Abundance Ion 91.00 (90.70 to 91.70): VU027319.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027319.D (-2940) (-)

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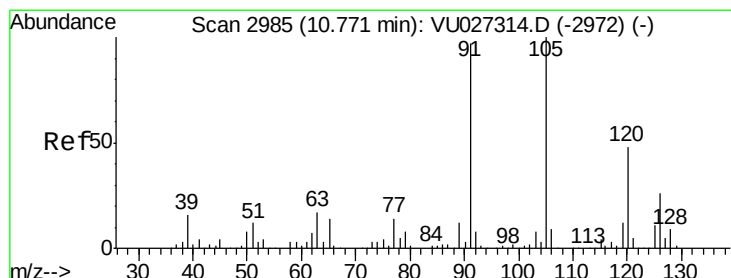
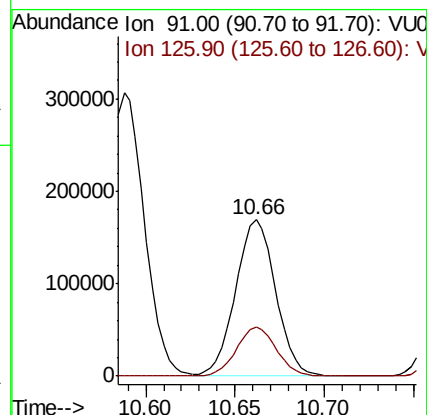
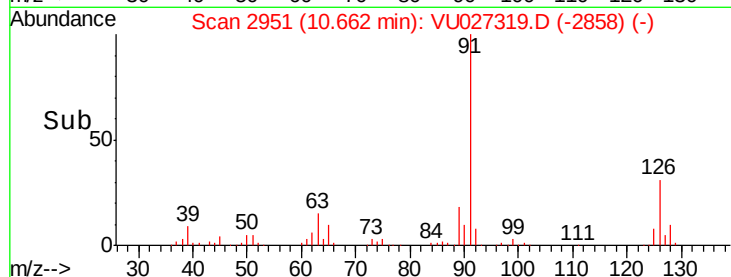
10.66

10.66

10.66

10.66

10.66



#80

1,3,5-Trimethylbenzene

Concen: 53.900 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027319.D

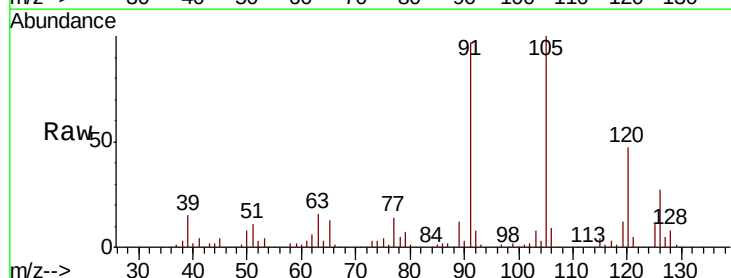
Acq: 01 Oct 2018 13:22

Tgt Ion:105 Resp: 308797

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027319.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU027319.D (-2892) (-)

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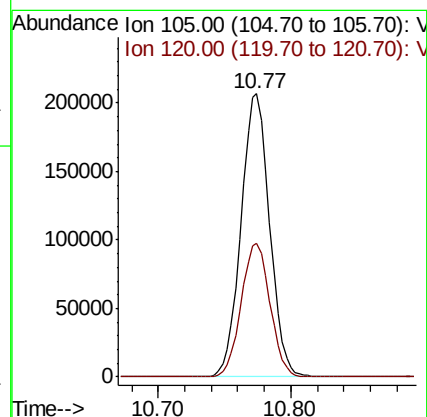
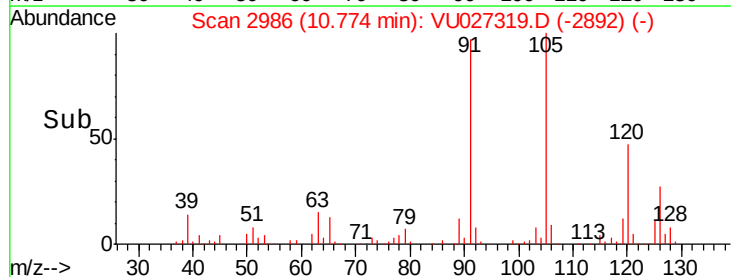
10.77

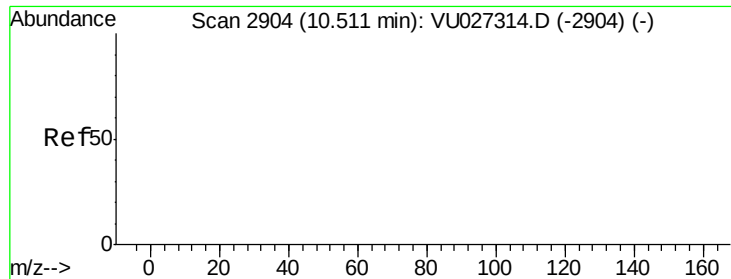
10.77

10.77

10.77

10.77





#81

trans-1,4-Dichloro-2-butene

Concen: 49.516 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027319.D

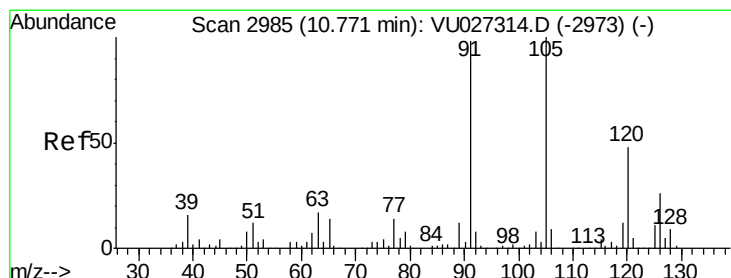
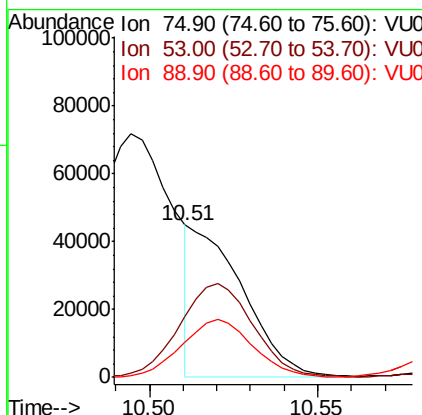
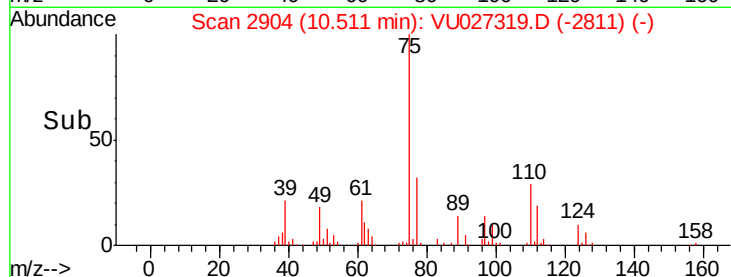
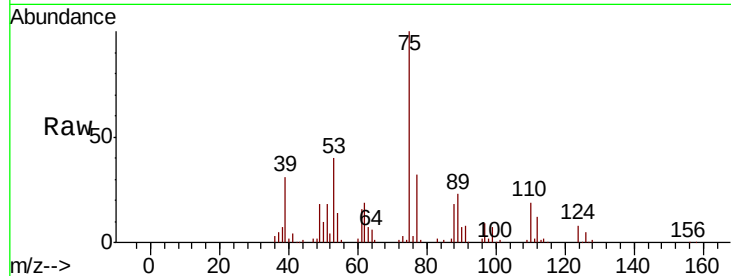
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.008 ug/l

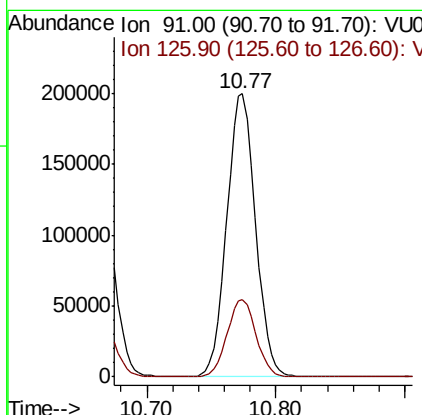
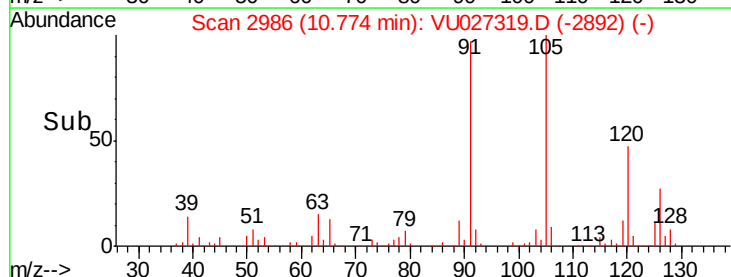
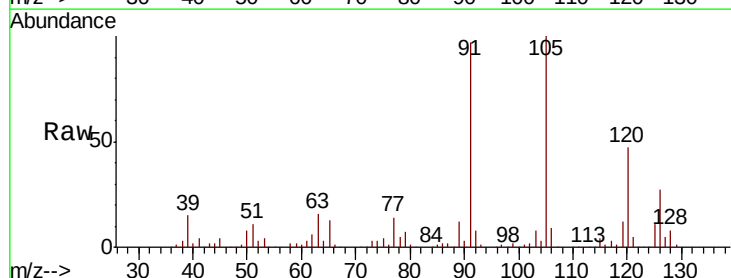
RT: 10.77 min Scan# 2986

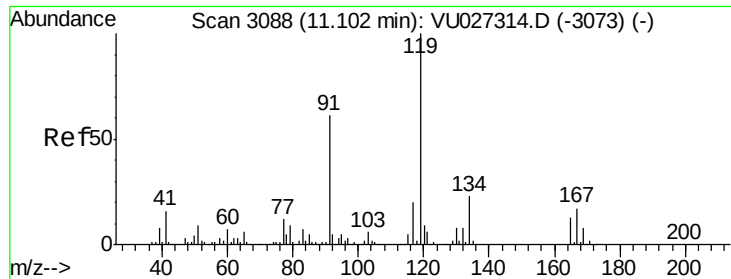
Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.6	40.8





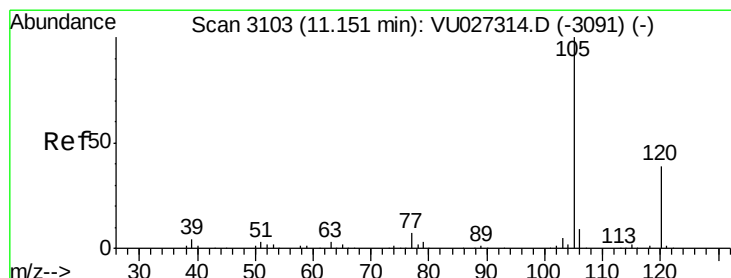
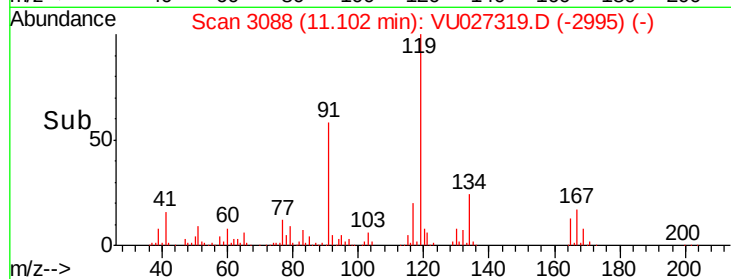
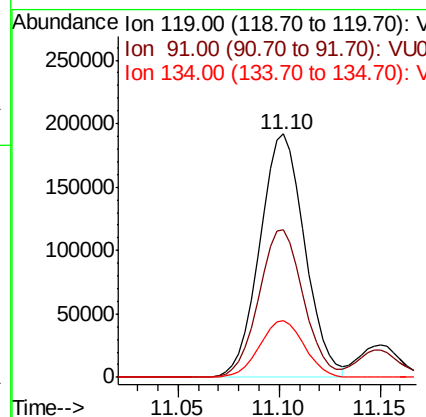
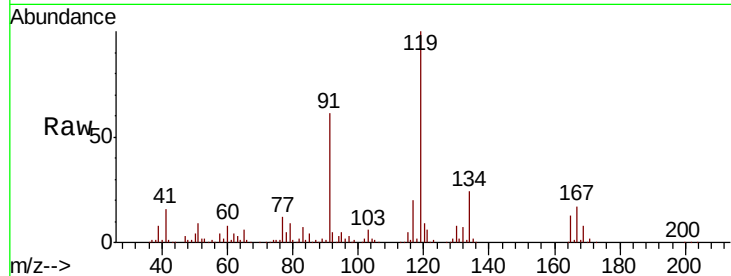
#83
 tert-Butylbenzene
 Concen: 53.867 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Resp	Lower	Upper
119	100	298346		
91	60.4	30.3	91.0	
134	23.2	11.5	34.4	

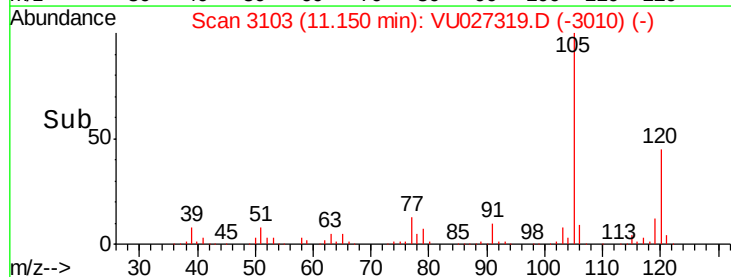
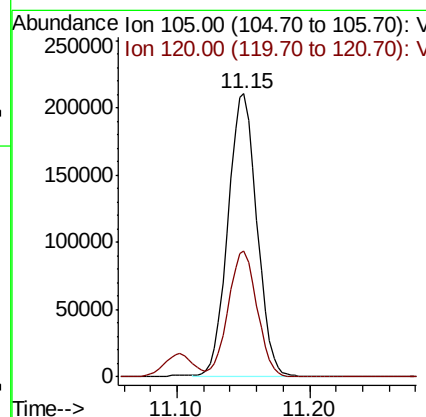
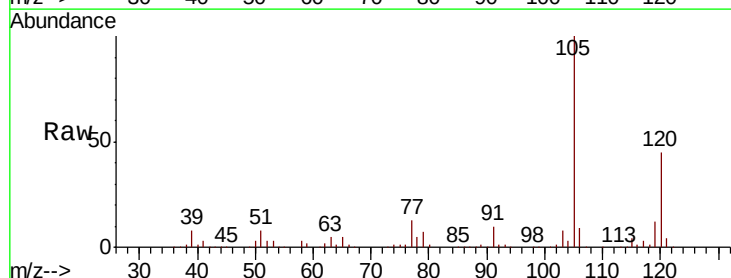
Manual Integrations
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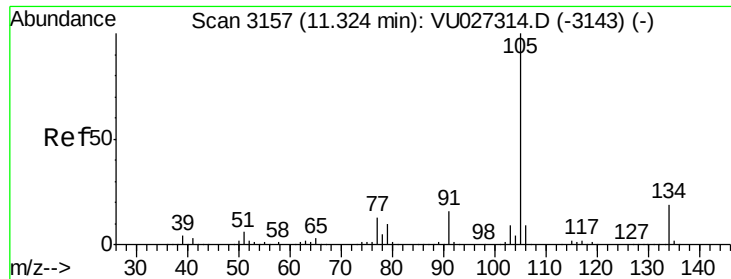
MMDadoda
 10/3/2018 11:41:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.630 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319708		
120	44.4	22.1	66.5	





#85

sec-Butylbenzene

Concen: 55.018 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

ClientSampleId :

ICVVU100118

Tot Ion:105 Resp: 383937

Ion Ratio Lower Upper

105 100

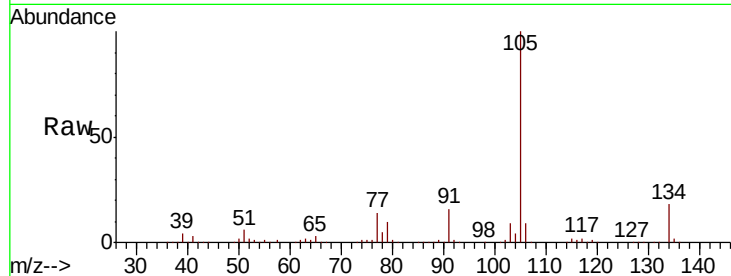
134 18.8 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

250000

200000

150000

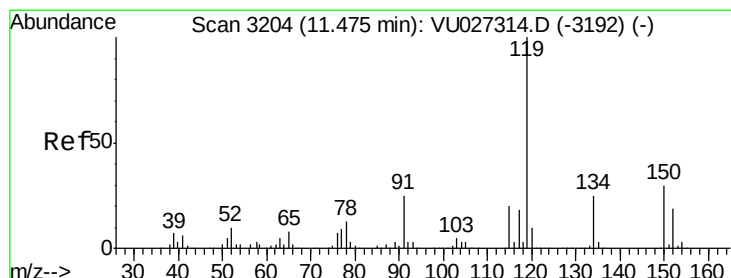
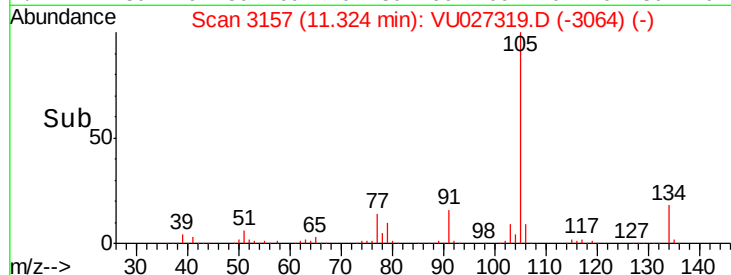
100000

50000

0

11.30 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 55.177 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

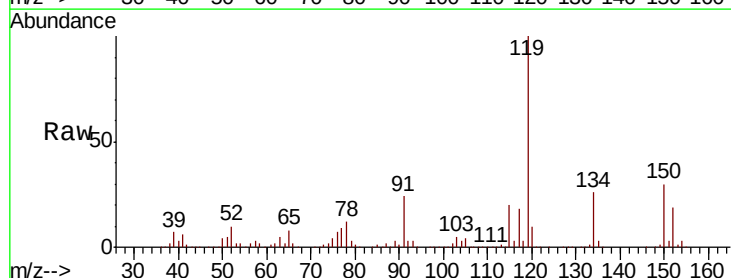
Tgt Ion:119 Resp: 329679

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 24.6 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

250000

200000

150000

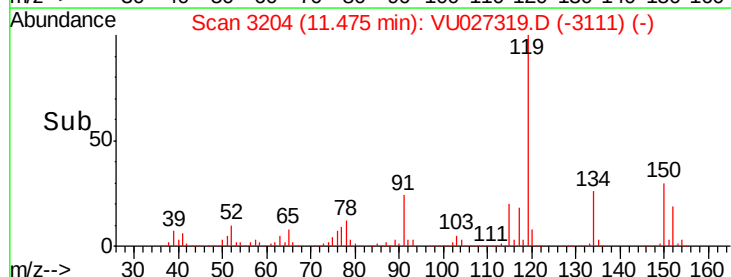
100000

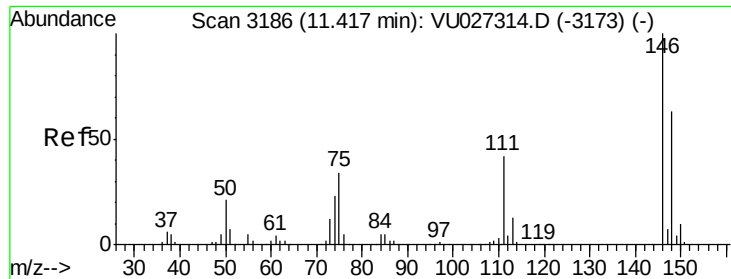
50000

0

11.40 11.45 11.50 11.55

Time-->





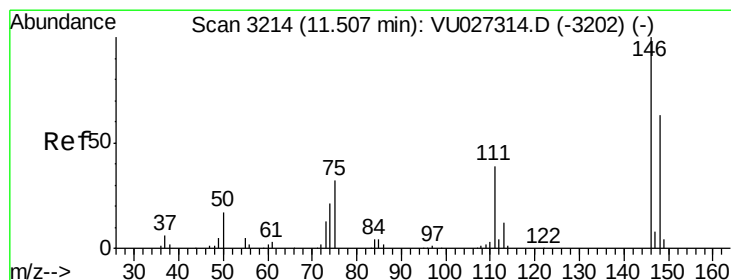
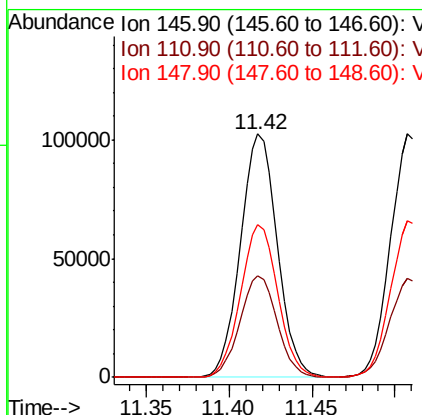
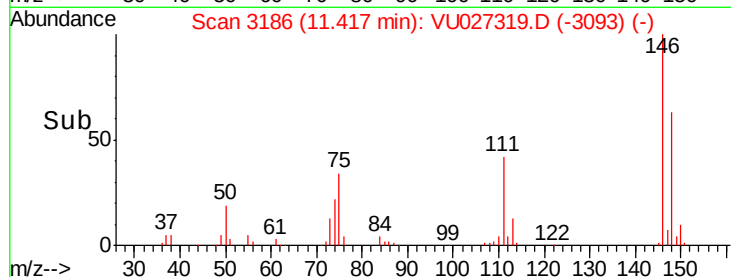
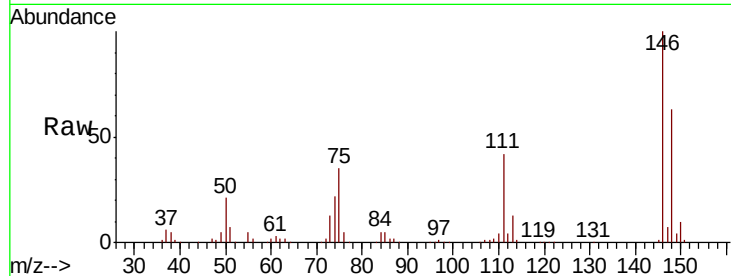
#87
 1,3-Dichlorobenzene
 Concen: 51.215 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.8	62.5
148	63.4	31.6	94.8

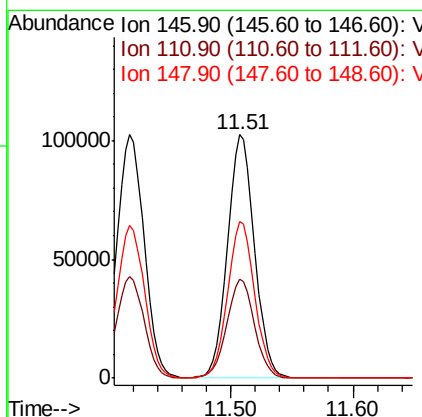
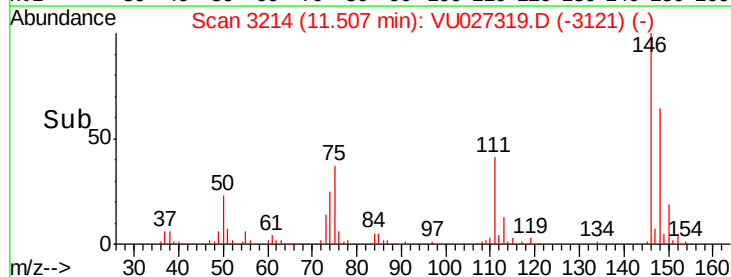
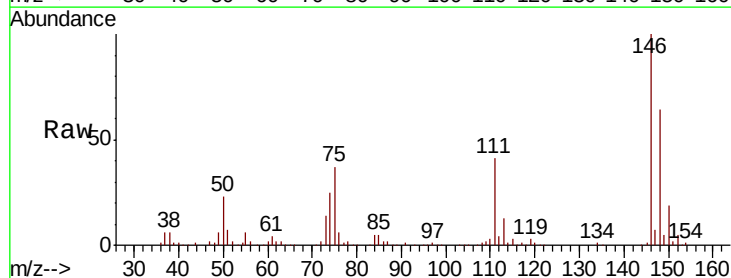
Manual Integrations
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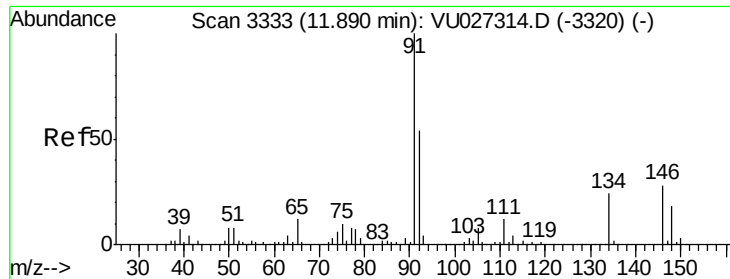
MMDadoda
 10/3/2018 11:41:44 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.202 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	64.6	31.9	95.5





#89

n-Butylbenzene

Concen: 49.873 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA_U

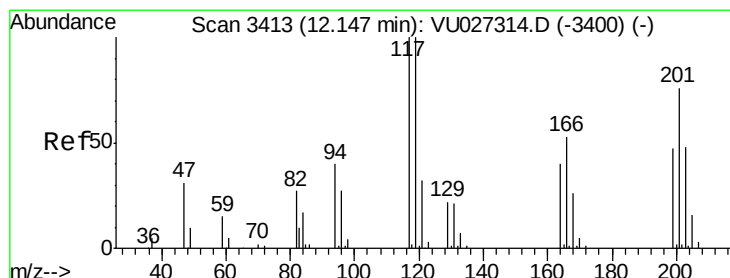
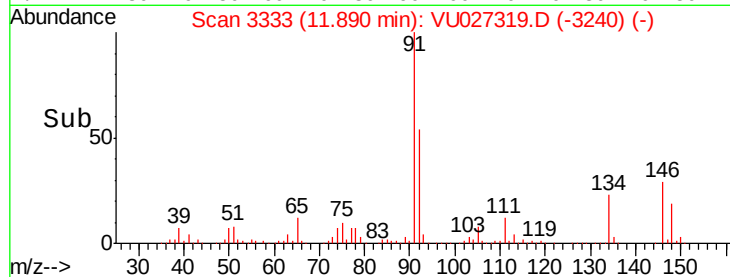
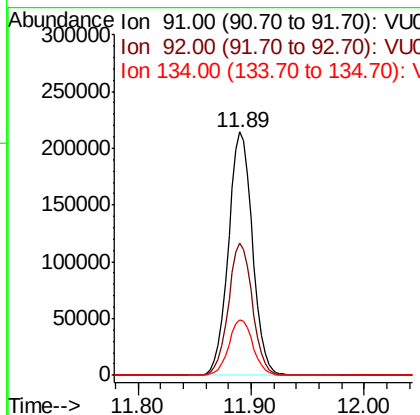
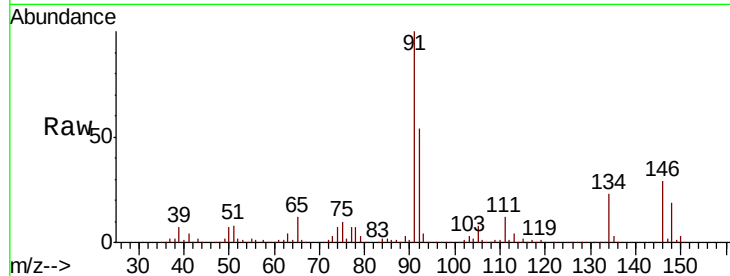
ClientSampleId :

ICVVU100118

Tot Ion:	91	Resp:	316190
Ion Ratio	Lower	Upper	
91	100		
92	54.1	27.0	81.0
134	23.1	11.7	35.1

Manual Integrations
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#90

Hexachloroethane

Concen: 51.775 ug/l

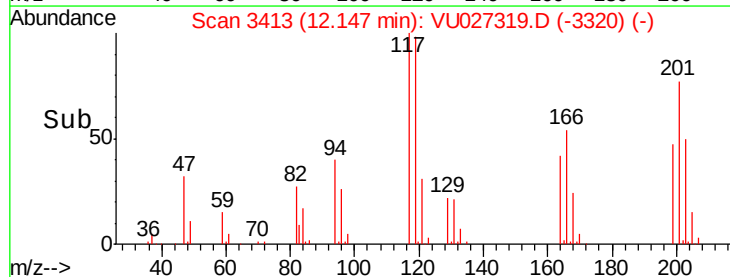
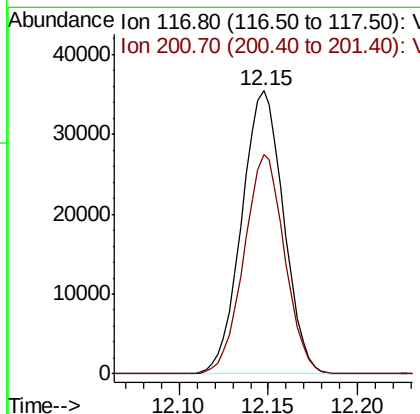
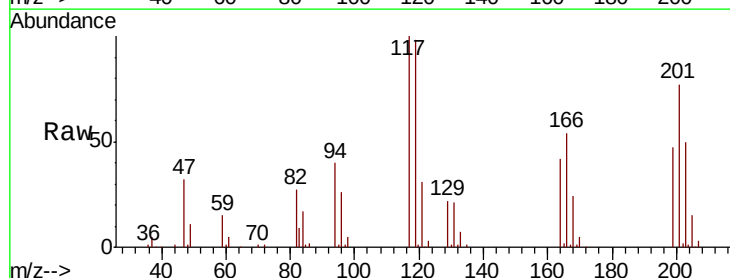
RT: 12.15 min Scan# 3413

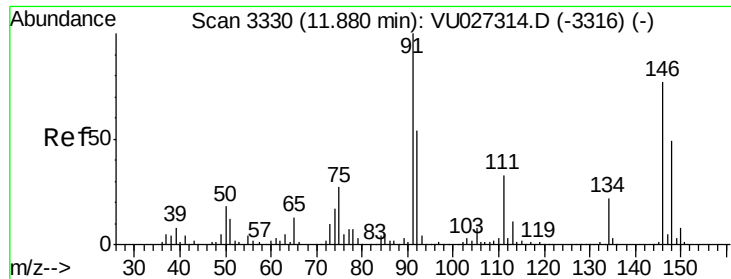
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion:	117	Resp:	58311
Ion Ratio	Lower	Upper	
117	100		
201	75.1	37.9	113.6





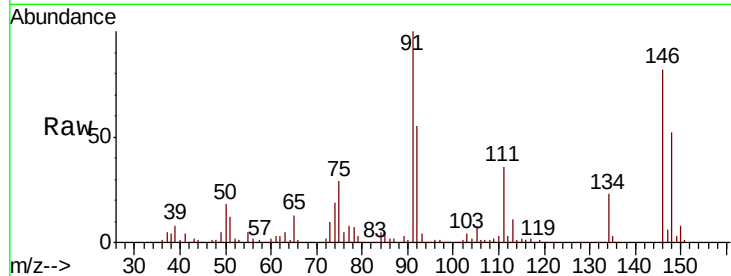
#91
 1,2-Dichlorobenzene
 Concen: 52.217 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

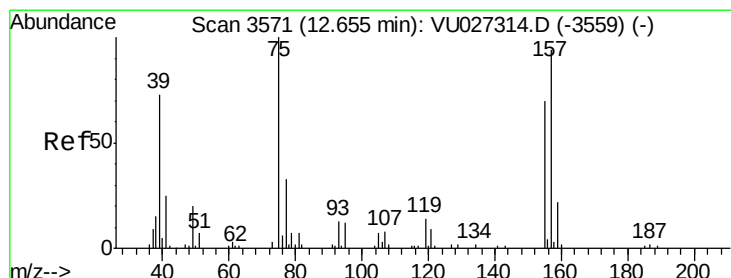
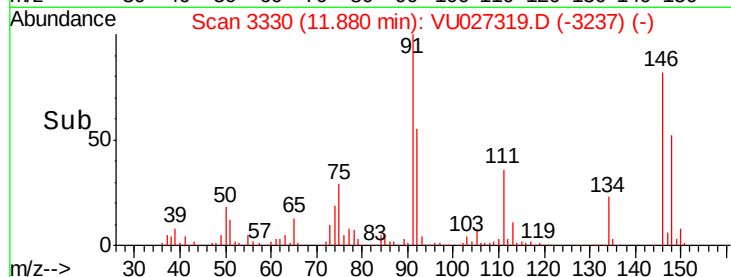
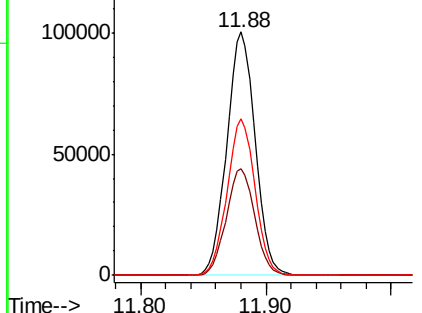
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.2	31.9	95.5

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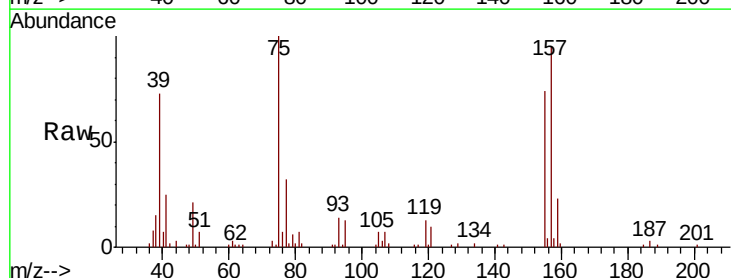


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

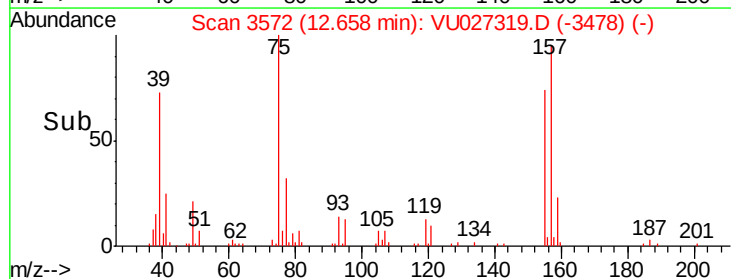
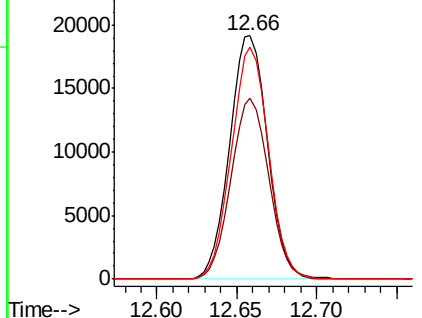


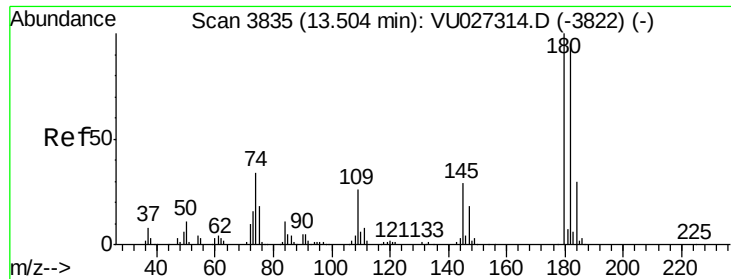
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.536 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	35.9	107.8
157	93.1	46.9	140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





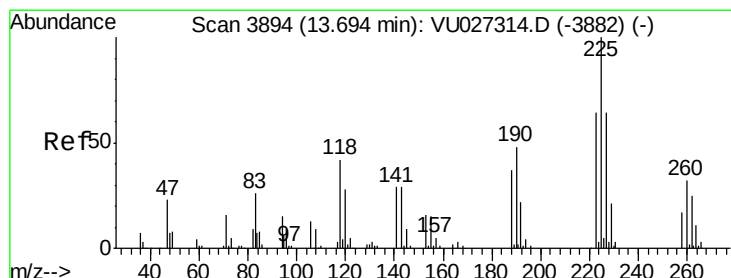
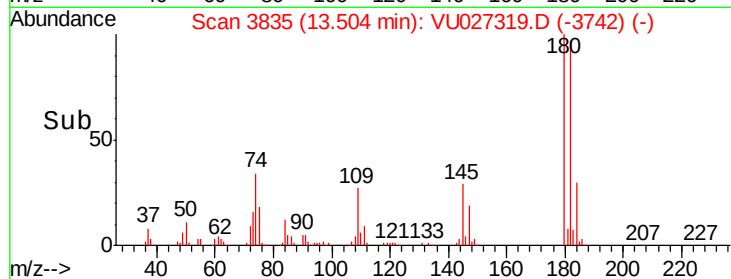
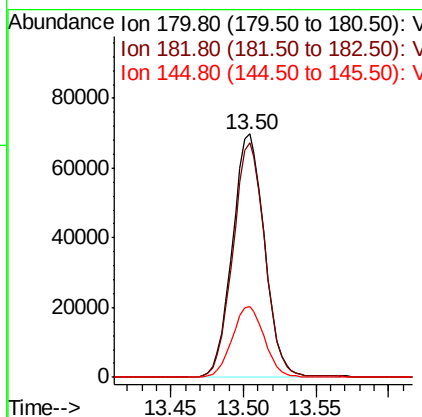
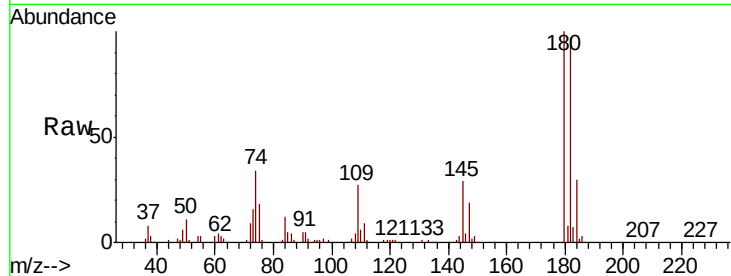
#93
 1,2,4-Trichlorobenzene
 Concen: 55.164 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU100118

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107594		
182	96.3		47.4	142.3
145	29.3		14.6	44.0

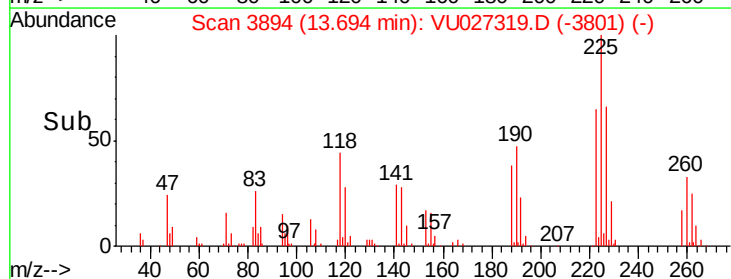
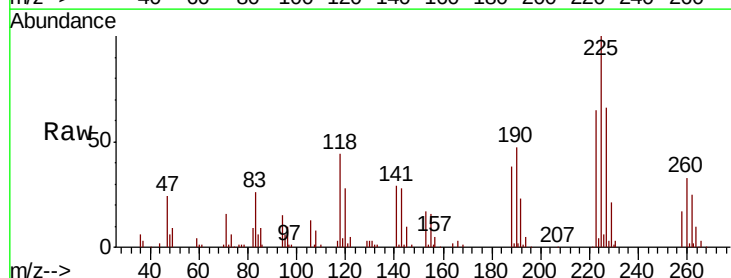
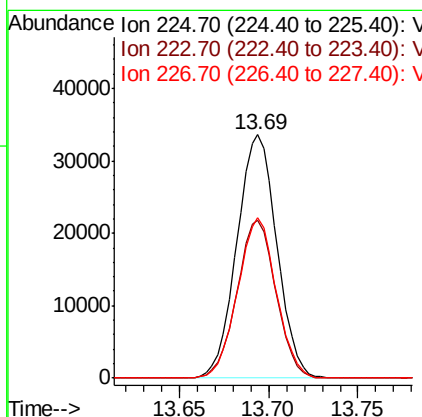
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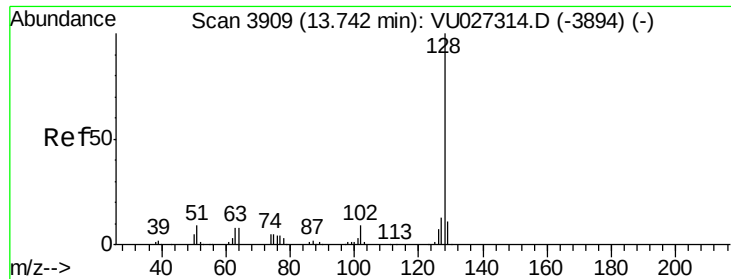
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#94
 Hexachlorobutadiene
 Concen: 53.357 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027319.D
 Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52580		
223	63.2		31.8	95.3
227	63.6		31.9	95.7





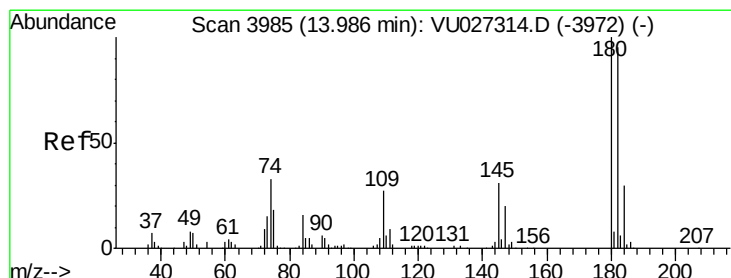
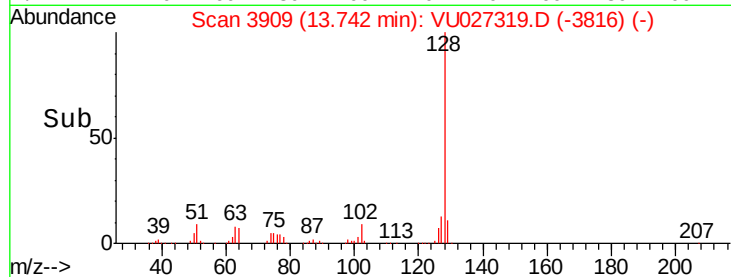
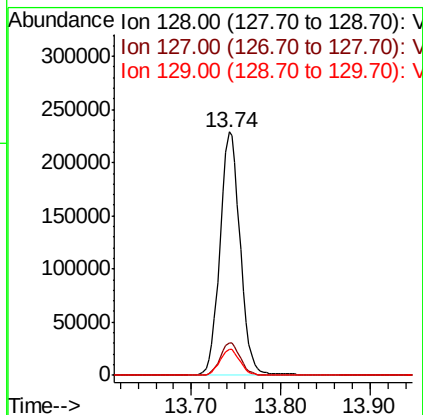
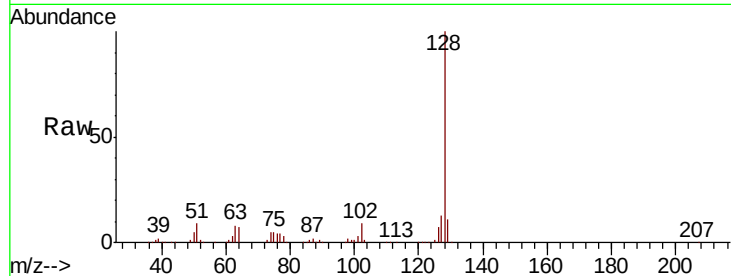
#95
Naphthalene
Concen: 49.174 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Instrument :
MSVOA_U
ClientSampleId :
ICVVU100118

Tot Ion	Ratio	Resp	Lower	Upper
128	100	359996		
127	13.1		10.5	15.7
129	10.6		8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 54.105 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027319.D
Acq: 01 Oct 2018 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109941		
182	95.6		47.4	142.2
145	31.7		15.9	47.7

