

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028608.D
 Acq On : 11 Dec 2018 15:35
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:48:53 AM

Quant Time: Dec 12 04:20:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	94183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	161761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73712	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	73761	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.88	113	53319	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	7.56	98	214924	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	10.30	95	78632	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.21	85	62344	49.386	ug/l	99
3) Chloromethane	1.33	50	105048	45.262	ug/l	100
4) Vinyl Chloride	1.40	62	81530	48.677	ug/l	99
5) Bromomethane	1.61	94	32659	48.406	ug/l	99
6) Chloroethane	1.69	64	45194	47.663	ug/l	99
7) Trichlorofluoromethane	1.88	101	84782	48.112	ug/l	100
8) Diethyl Ether	2.10	74	38277	46.427	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	51576	48.938	ug/l	99
10) Methyl Iodide	2.41	142	46866	56.673	ug/l	99
11) Tert butyl alcohol	2.83	59	79266	247.533	ug/l	100
12) 1,1-Dichloroethene	2.28	96	48676	46.419	ug/l	94
13) Acrolein	2.19	56	61235	239.875	ug/l	100
14) Allyl chloride	2.59	41	113411	45.718	ug/l	97
15) Acrylonitrile	2.93	53	219806	247.239	ug/l	100
16) Acetone	2.32	43	230363	245.616	ug/l	98
17) Carbon Disulfide	2.48	76	174025	46.067	ug/l	99
18) Methyl Acetate	2.61	43	125809	51.746	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	194737	48.988	ug/l	100
20) Methylene Chloride	2.70	84	63012	45.575	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	55332	46.866	ug/l	99
22) Diisopropyl ether	3.57	45	242350	50.237	ug/l	100
23) Vinyl Acetate	3.52	43	997222	250.614	ug/l	99
24) 1,1-Dichloroethane	3.44	63	121487	48.110	ug/l	98
25) 2-Butanone	4.26	43	325010	253.571	ug/l	99
26) 2,2-Dichloropropane	4.22	77	97364	48.661	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	64737	48.444	ug/l	100
28) Bromochloromethane	4.55	49	60936	53.082	ug/l	98
29) Tetrahydrofuran	4.63	42	208234	252.963	ug/l	99
30) Chloroform	4.67	83	108689	49.384	ug/l	99
31) Cyclohexane	4.99	56	120036	48.680	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	90062	49.271	ug/l	98
36) 1,1-Dichloropropene	5.13	75	84304	47.626	ug/l	98
37) Ethyl Acetate	4.38	43	116795	51.041	ug/l	99
38) Carbon Tetrachloride	5.13	117	70657	49.524	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	105654	48.925	ug/l	98
40) Benzene	5.39	78	259879	49.848	ug/l	100
41) Methacrylonitrile	4.54	41	65833	52.534	ug/l	98
42) 1,2-Dichloroethane	5.40	62	90856	49.787	ug/l	98
43) Isopropyl Acetate	5.55	43	186727	51.592	ug/l	99
44) Trichloroethene	6.18	130	56508	48.748	ug/l	96
45) 1,2-Dichloropropane	6.43	63	75760	51.676	ug/l	99
46) Dibromomethane	6.56	93	43495	50.003	ug/l	99
47) Bromodichloromethane	6.76	83	84393	49.857	ug/l	99
48) Methyl methacrylate	6.62	41	93941	52.192	ug/l	100
49) 1,4-Dioxane	6.61	88	32062	1128.155	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	584631	256.108	ug/l	99
52) Toluene	7.64	92	152164	49.594	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	100561	49.883	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	110239	50.403	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	61633	50.817	ug/l	97
56) Ethyl methacrylate	8.02	69	106886	51.464	ug/l	99
57) 1,3-Dichloropropane	8.24	76	112227	49.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	269383	253.225	ug/l	100
59) 2-Hexanone	8.36	43	460827	254.696	ug/l	99
60) Dibromochloromethane	8.48	129	58974	49.665	ug/l	100
61) 1,2-Dibromoethane	8.58	107	64546	50.749	ug/l	98
64) Tetrachloroethene	8.22	164	49632	49.188	ug/l	98
65) Chlorobenzene	9.12	112	159378	49.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	53870	52.333	ug/l	98
67) Ethyl Benzene	9.25	91	297744	50.245	ug/l	98
68) m/p-Xylenes	9.37	106	219196	101.656	ug/l	99
69) o-Xylene	9.78	106	106564	50.855	ug/l	100
70) Styrene	9.79	104	177255	51.115	ug/l	99
71) Bromoform	9.96	173	45290	51.720	ug/l #	100
73) Isopropylbenzene	10.16	105	281365	49.745	ug/l	100
74) N-amyl acetate	10.01	43	165714	50.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	110636	50.919	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	97917m	52.021	ug/l	
77) Bromobenzene	10.45	156	66613	50.356	ug/l	99
78) n-propylbenzene	10.58	91	351196	49.969	ug/l	100
79) 2-Chlorotoluene	10.66	91	203171	50.184	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	239134	51.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35574m	46.505	ug/l	
82) 4-Chlorotoluene	10.77	91	236034	49.199	ug/l	100
83) tert-Butylbenzene	11.10	119	228435	50.619	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	245477	50.874	ug/l	99
85) sec-Butylbenzene	11.32	105	291110	50.213	ug/l	99
86) p-Isopropyltoluene	11.48	119	244782	49.704	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	123093	49.279	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	121909	47.172	ug/l	98
89) n-Butylbenzene	11.89	91	245137	49.184	ug/l	100
90) Hexachloroethane	12.14	117	36695	49.297	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	122284	48.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24131	51.299	ug/l	98

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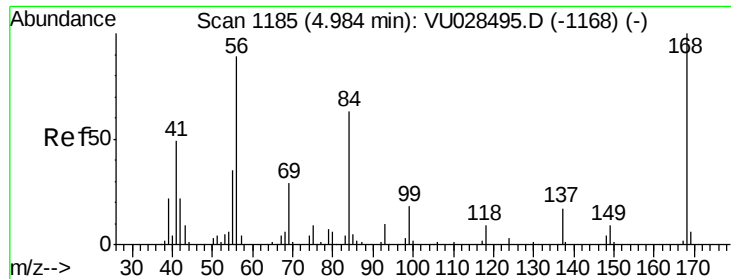
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	82614	48.149	ug/l	99
94) Hexachlorobutadiene	13.69	225	38870	47.492	ug/l	97
95) Naphthalene	13.74	128	279873	46.680	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	83147	48.663	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 94183

Ion Ratio Lower Upper

168 100

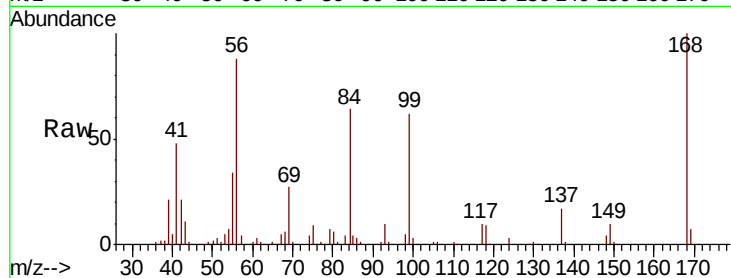
99 61.3 46.6 69.8

Manual Integrations

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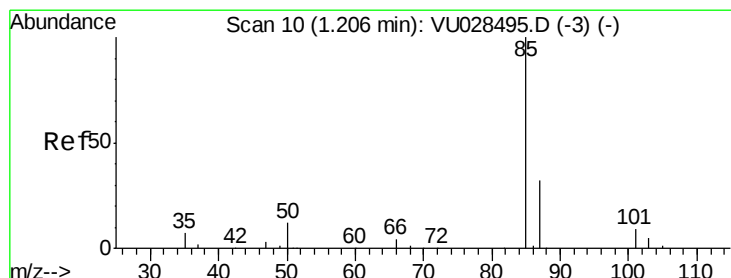
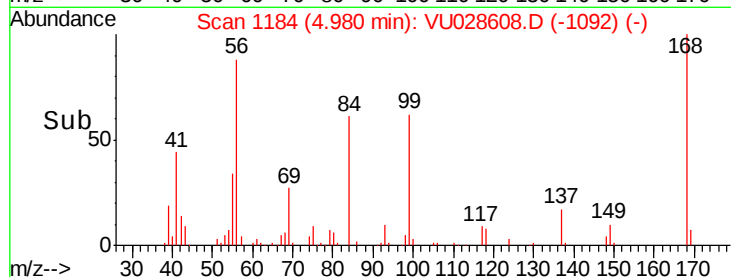


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 49.386 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028608.D

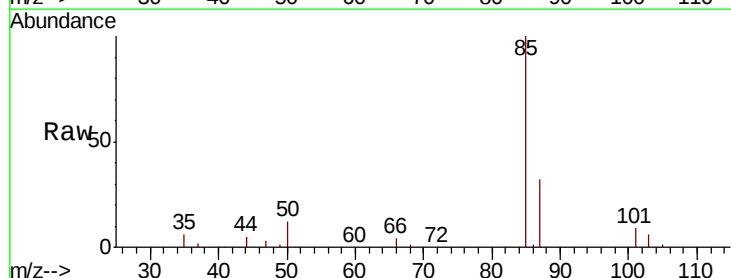
Acq: 11 Dec 2018 15:35

Tgt Ion: 85 Resp: 62344

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6

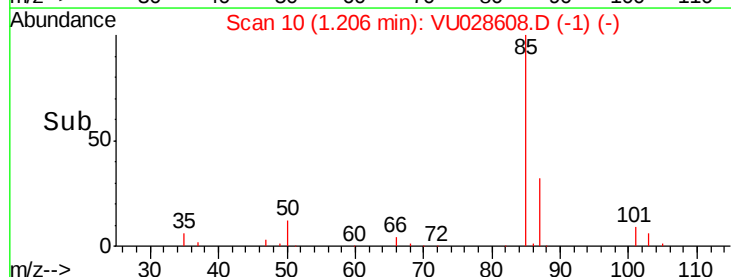


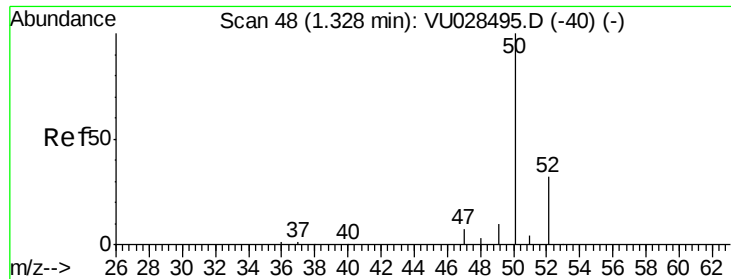
Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

Time-->





#3

Chloromethane

Concen: 45.262 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105048

Ion Ratio Lower Upper

50 100

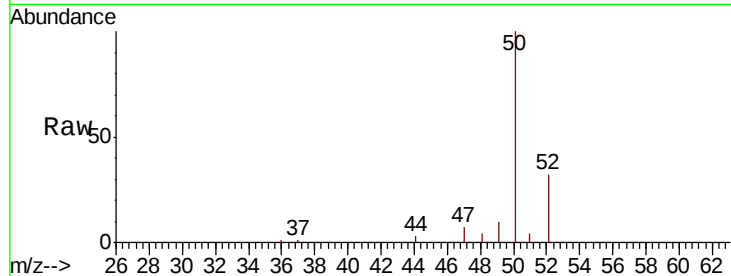
52 32.0 25.5 38.3

Manual Integrations

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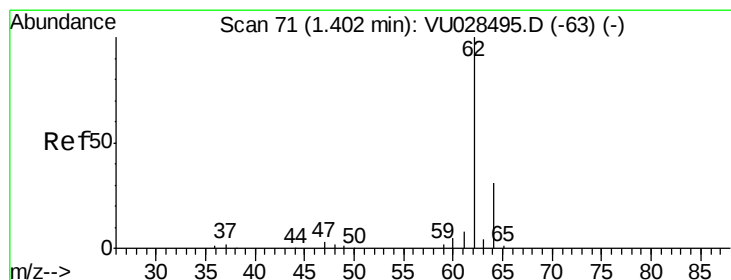
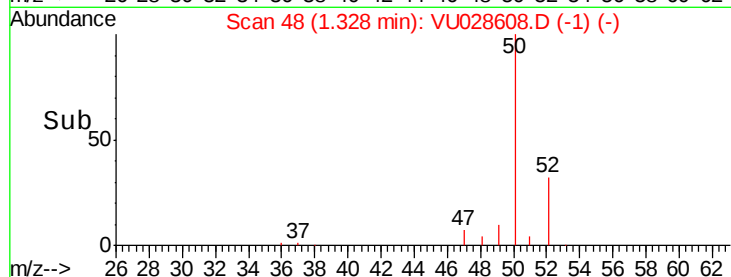
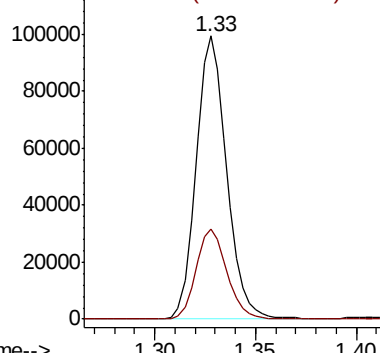
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.677 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028608.D

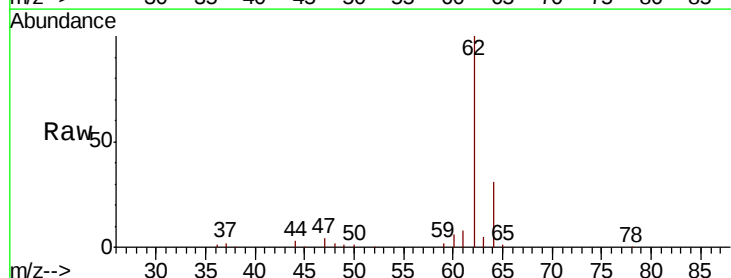
Acq: 11 Dec 2018 15:35

Tgt Ion: 62 Resp: 81530

Ion Ratio Lower Upper

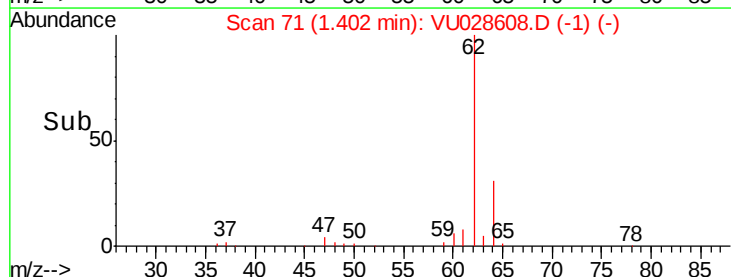
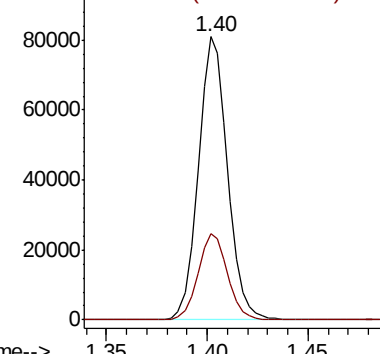
62 100

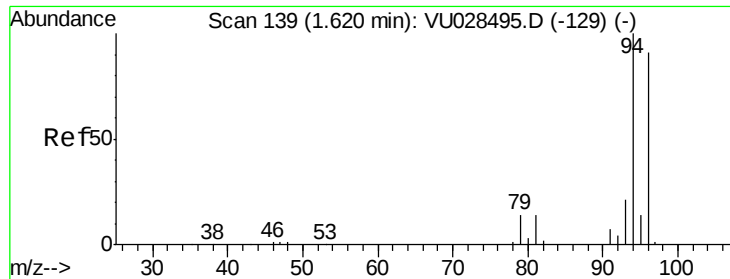
64 30.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 48.406 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 32659

Ion Ratio Lower Upper

94 100

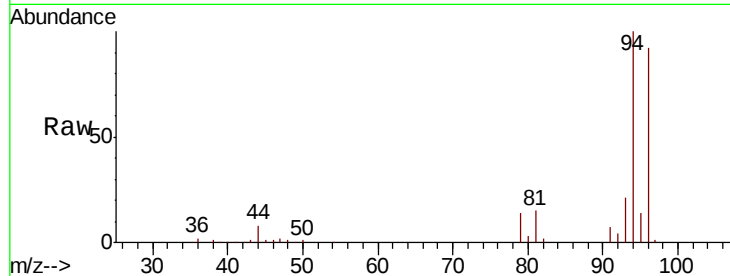
96 92.5 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU028495.D

Ion 95.90 (95.60 to 96.60): VU028495.D

1.61

30000

25000

20000

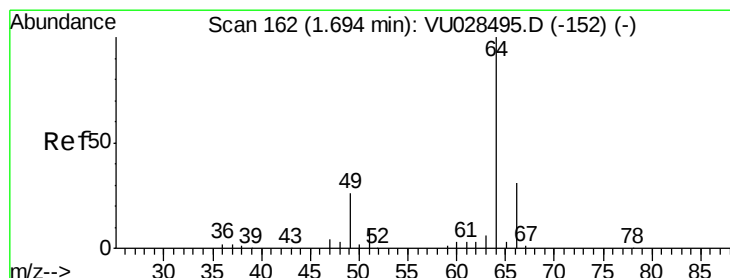
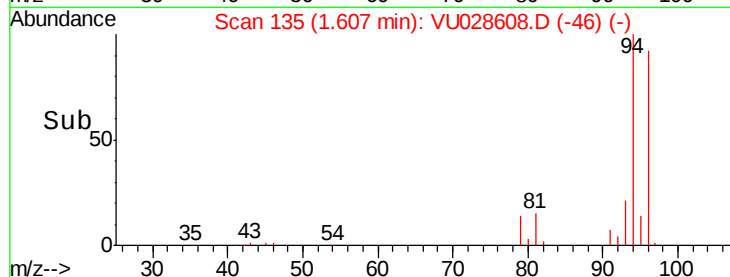
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 47.663 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU028608.D

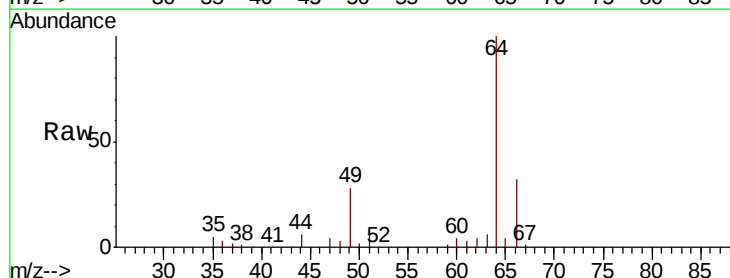
Acq: 11 Dec 2018 15:35

Tgt Ion: 64 Resp: 45194

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU028495.D

Ion 65.90 (65.60 to 66.60): VU028495.D

1.69

40000

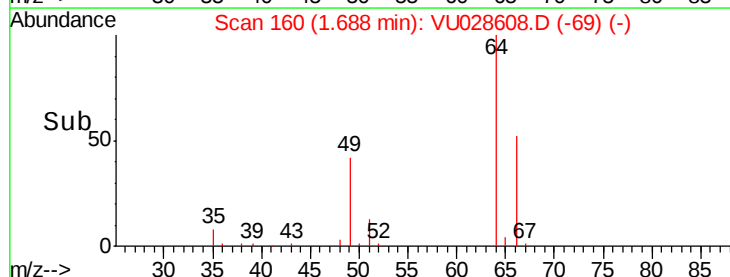
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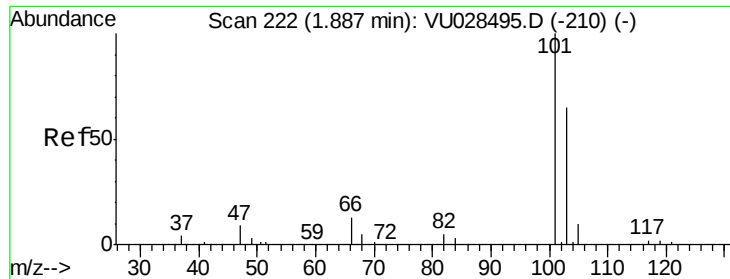
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10000

0

Time-->





#7

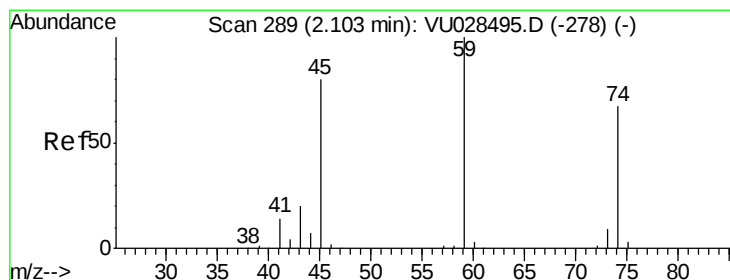
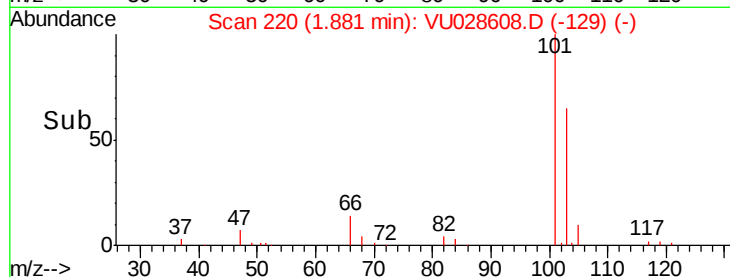
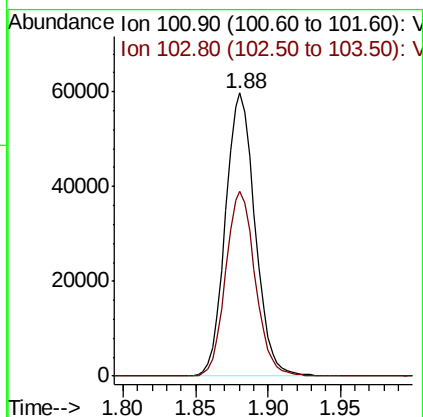
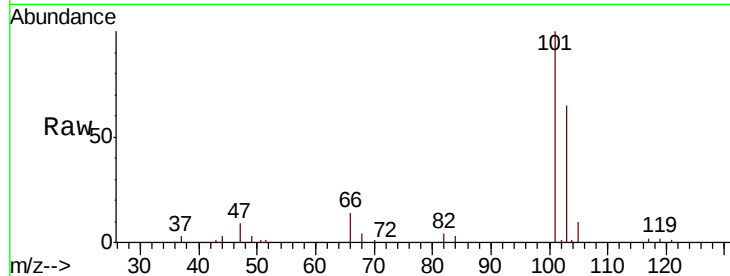
Trichlorofluoromethane
Concen: 48.112 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 84782
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5

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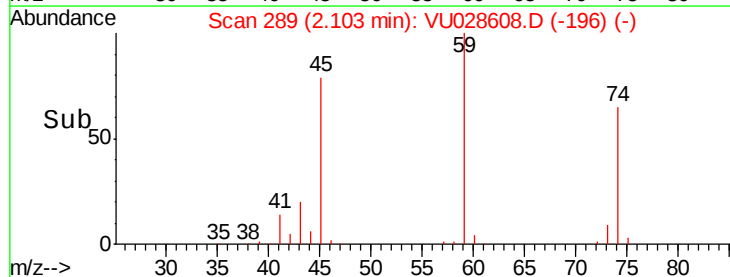
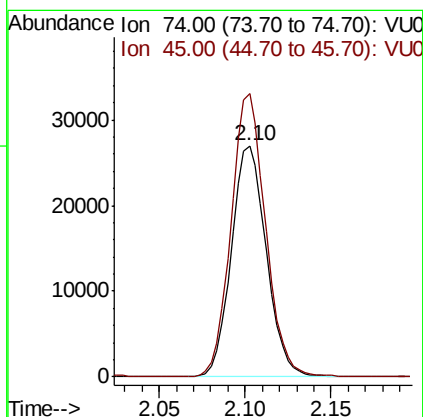
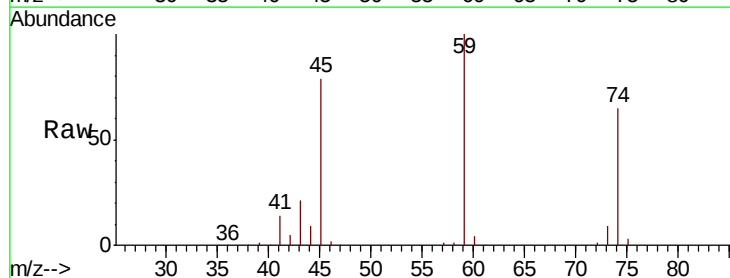
MMDadoda
12/12/2018 11:48:53 AM

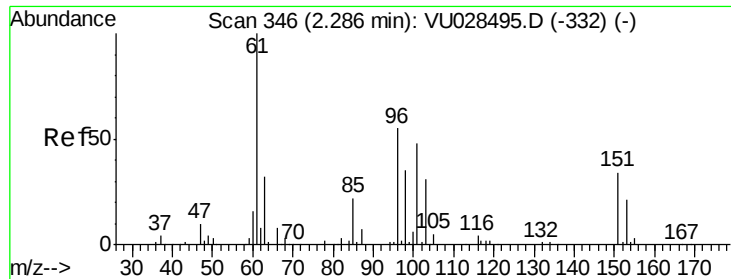


#8

Diethyl Ether
Concen: 46.427 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion: 74 Resp: 38277
Ion Ratio Lower Upper
74 100
45 121.3 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.938 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

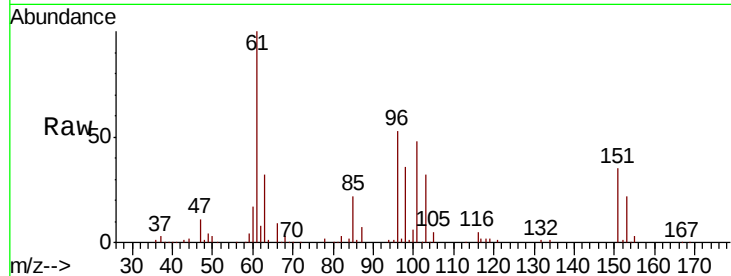
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	51576
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.4	54.6
151	71.2	58.2	87.2

Manual Integrations
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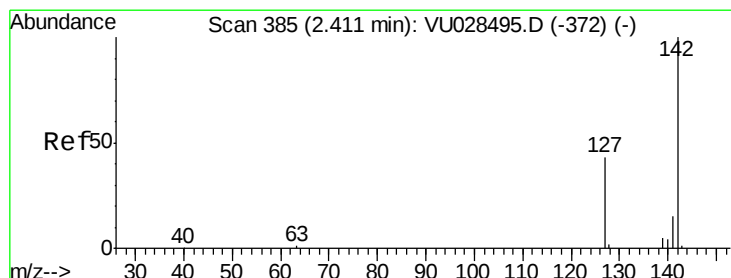
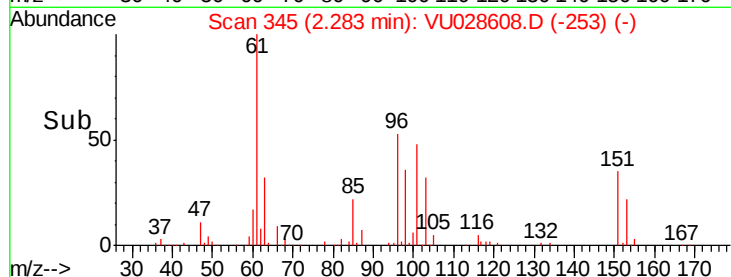
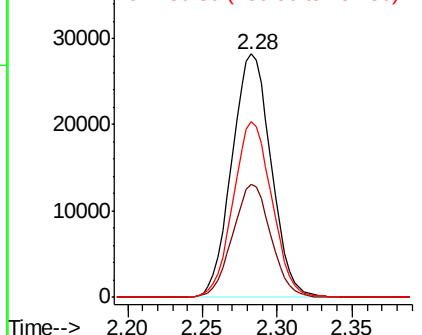
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12/12/2018 11:48:53 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.673 ug/l

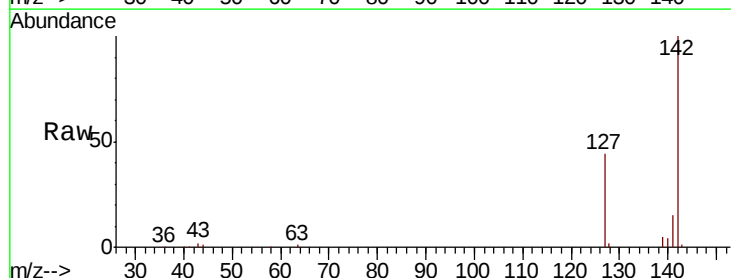
RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

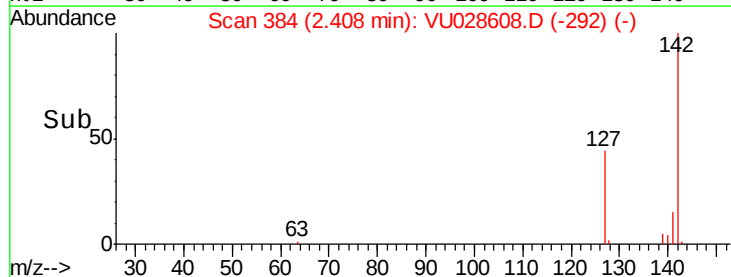
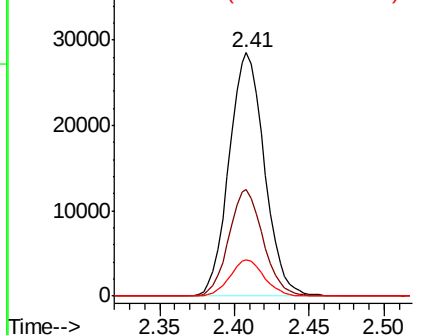
Tgt Ion:	142	Resp:	46866
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.5	50.3
141	14.4	11.2	16.8

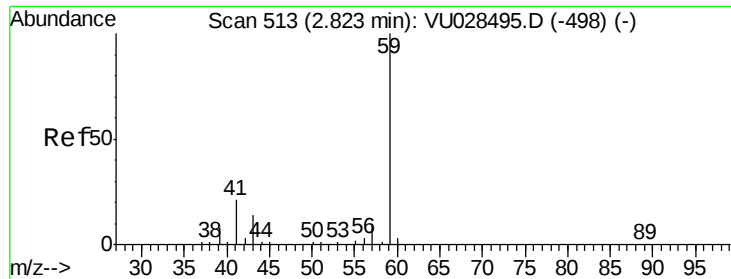


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





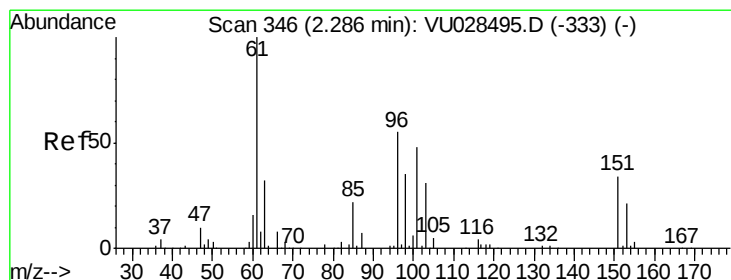
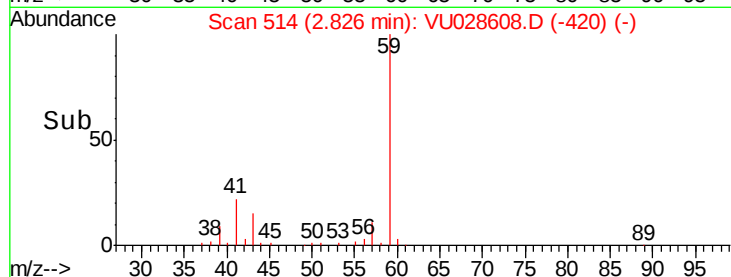
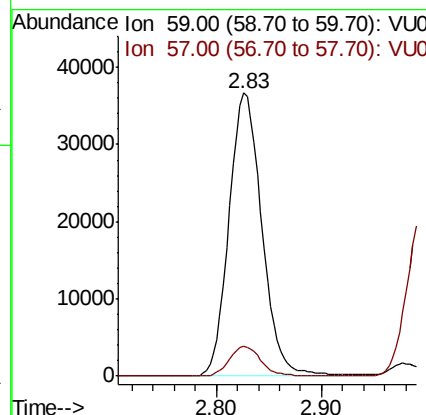
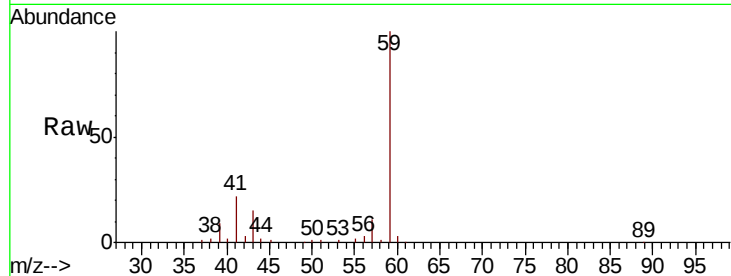
#11
Tert butyl alcohol
Concen: 247.533 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	79266		
57	10.1		8.0	12.0

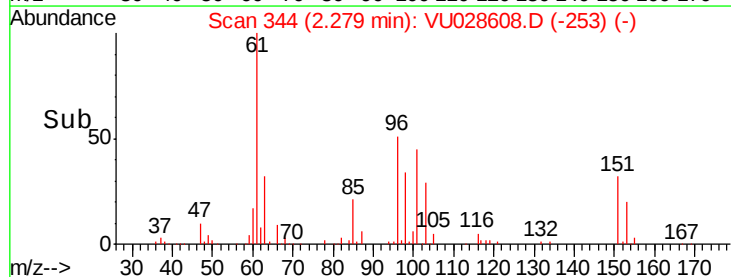
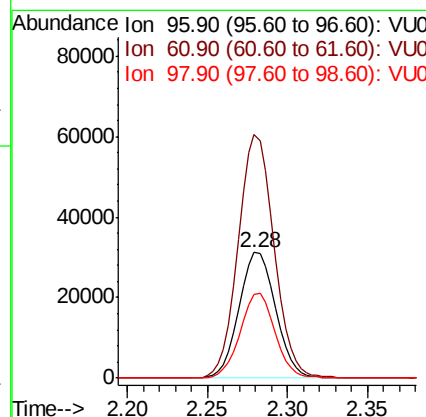
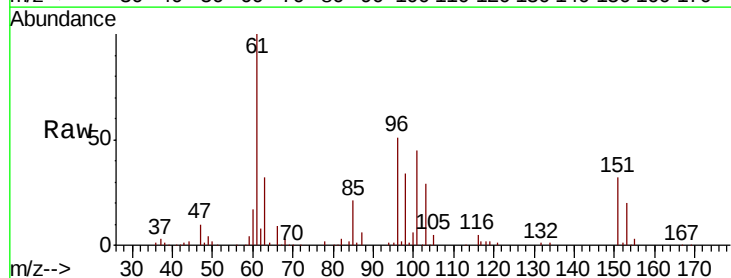
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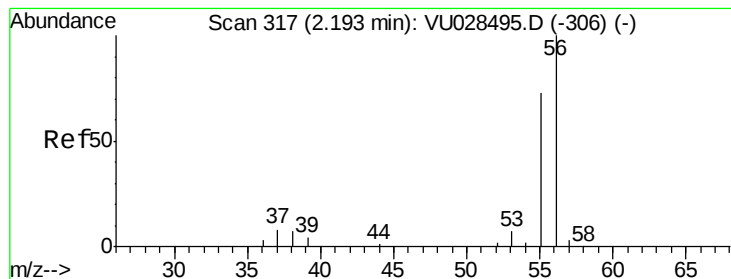
MMDadoda
12/12/2018 11:48:53 AM



#12
1,1-Dichloroethene
Concen: 46.419 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	48676		
61	194.3		146.4	219.6
98	66.8		51.8	77.8





#13

Acrolein

Concen: 239.875 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 61235

Ion Ratio Lower Upper

56 100

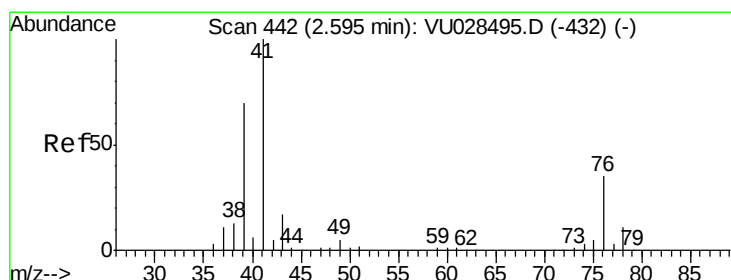
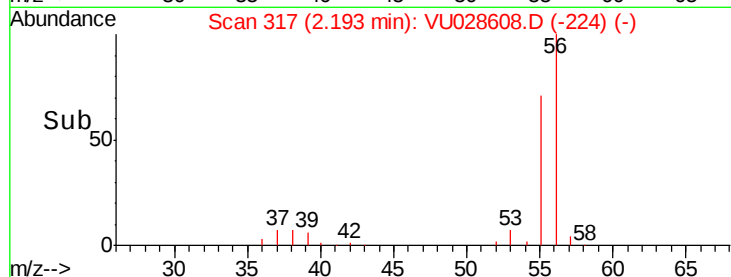
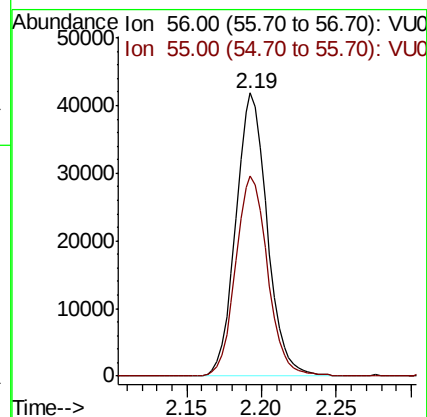
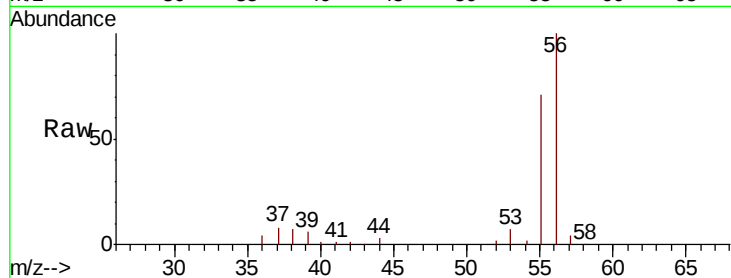
55 72.1 57.5 86.3

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#14

Allyl chloride

Concen: 45.718 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

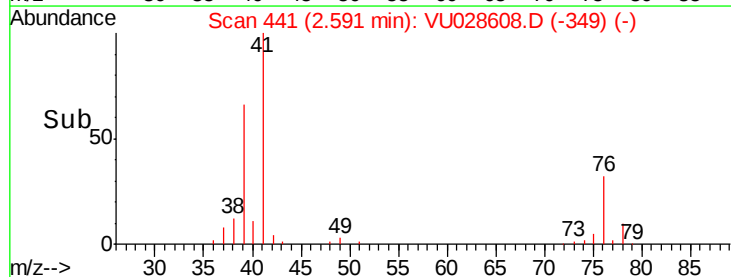
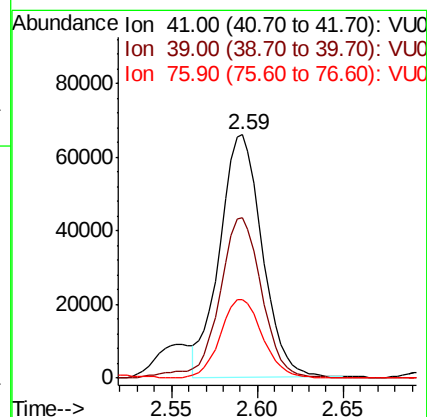
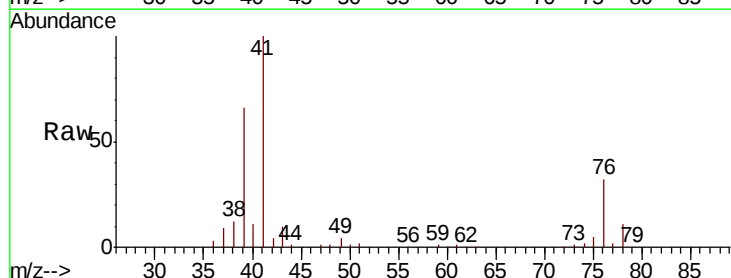
Tgt Ion: 41 Resp: 113411

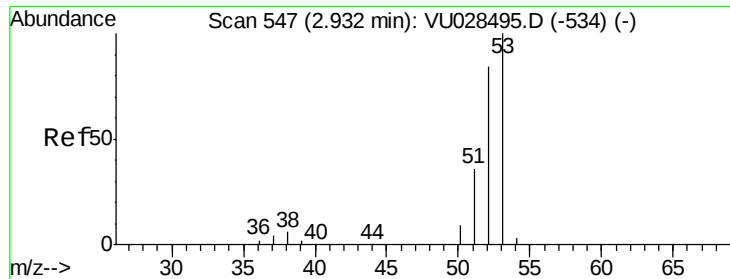
Ion Ratio Lower Upper

41 100

39 66.5 50.8 76.2

76 32.3 24.8 37.2





#15

Acrylonitrile

Concen: 247.239 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

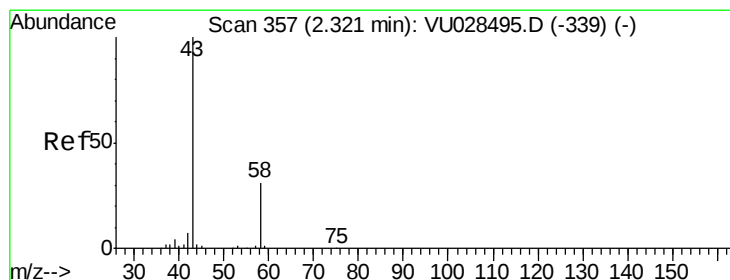
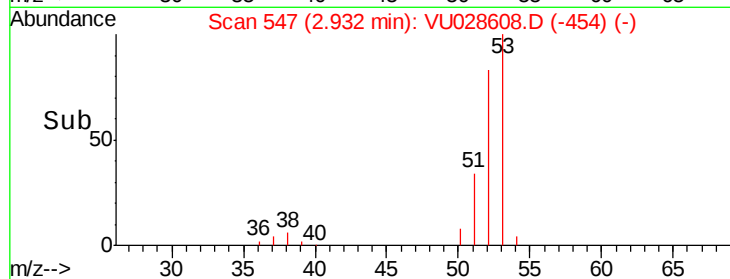
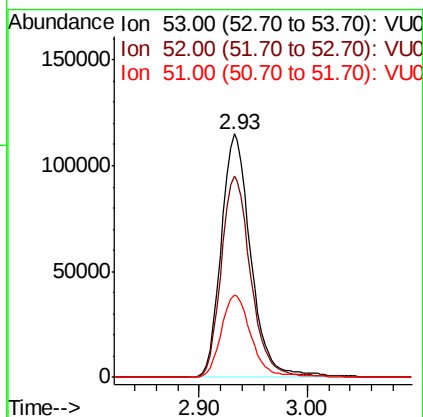
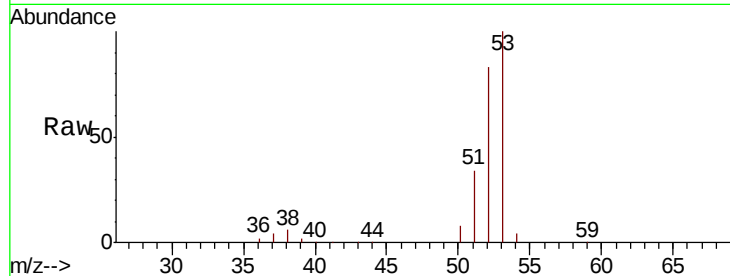
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	219806
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	34.6	28.1	42.1

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#16

Acetone

Concen: 245.616 ug/l

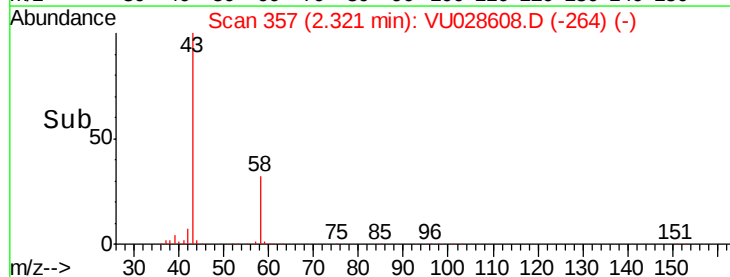
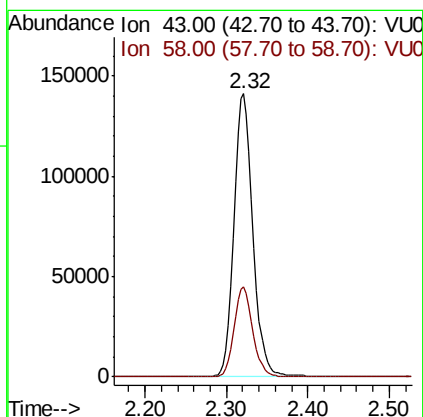
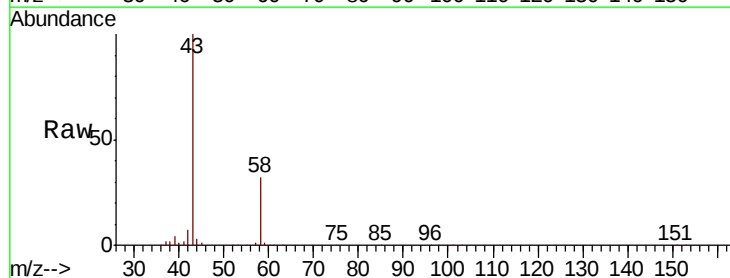
RT: 2.32 min Scan# 357

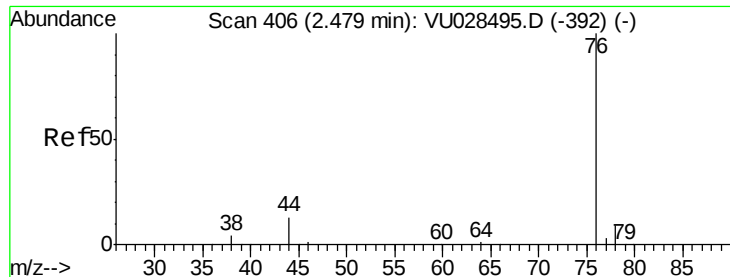
Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion:	43	Resp:	230363
Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.6	37.0





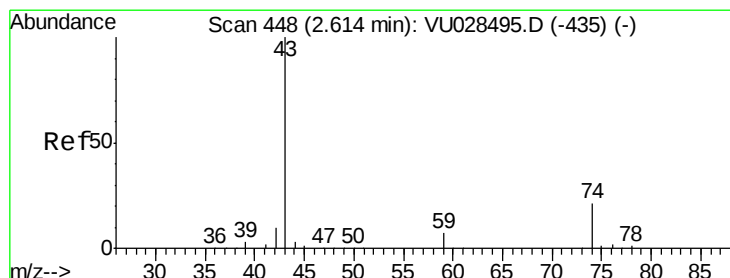
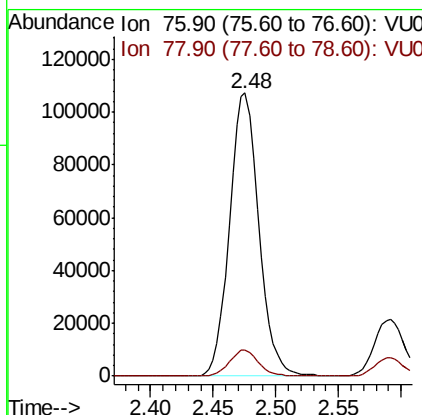
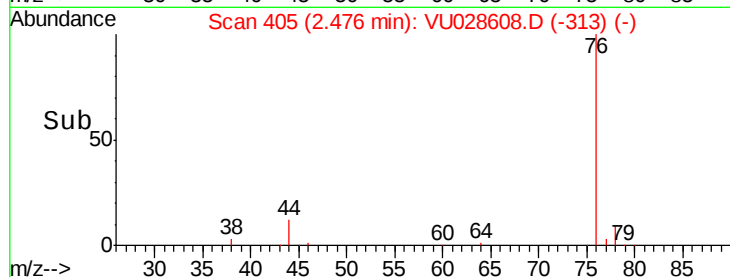
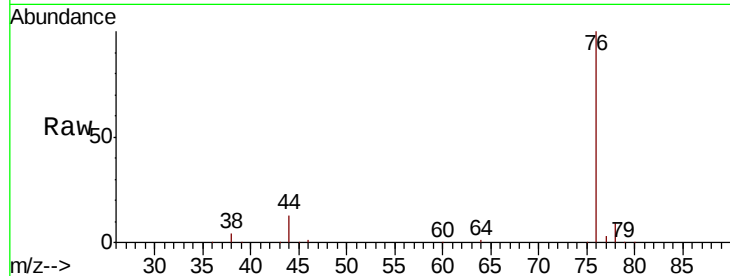
#17
Carbon Disulfide
Concen: 46.067 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

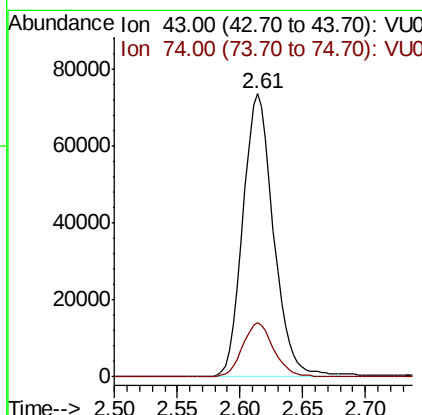
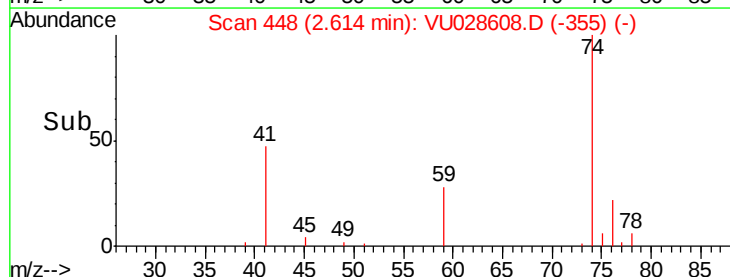
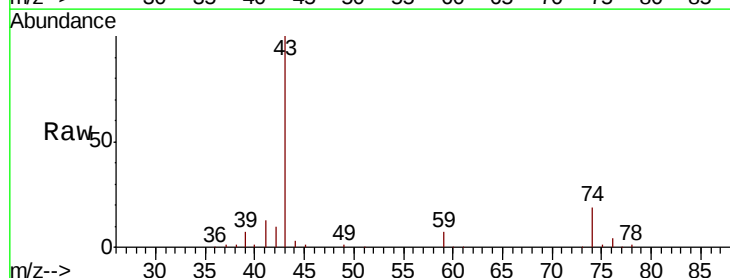
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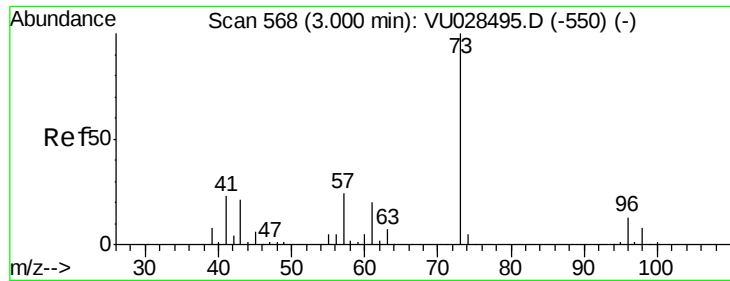
MMDadoda
12/12/2018 11:48:53 AM



#18
Methyl Acetate
Concen: 51.746 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.4	16.4	24.6





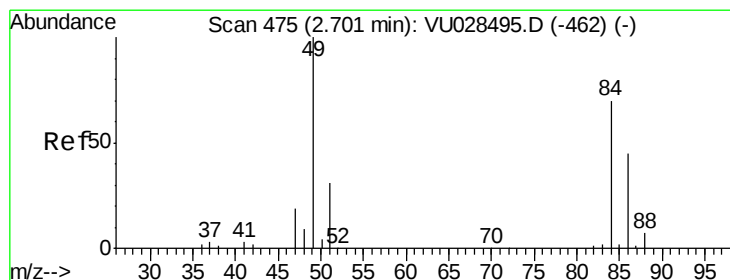
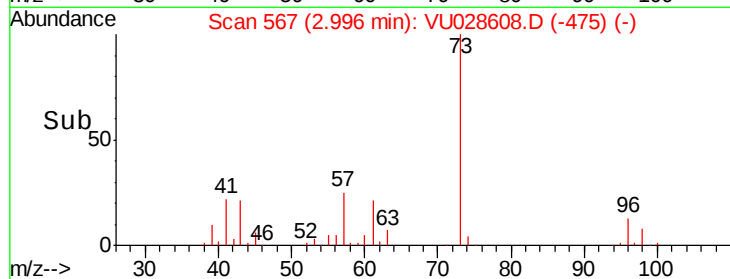
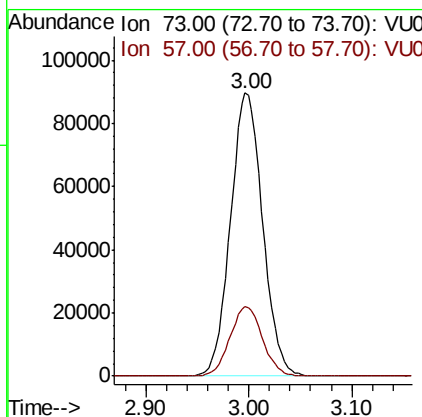
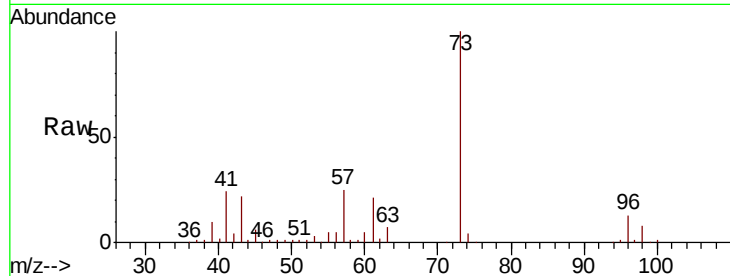
#19
Methvl tert-butvl Ether
Concen: 48.988 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 194737
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

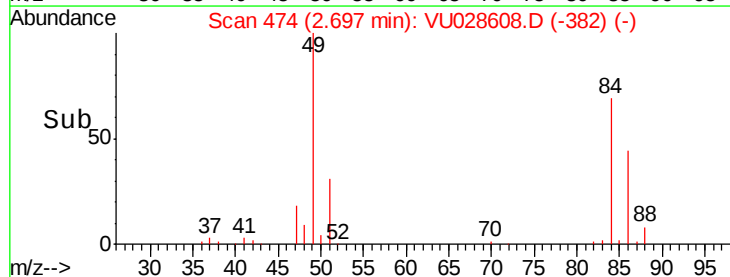
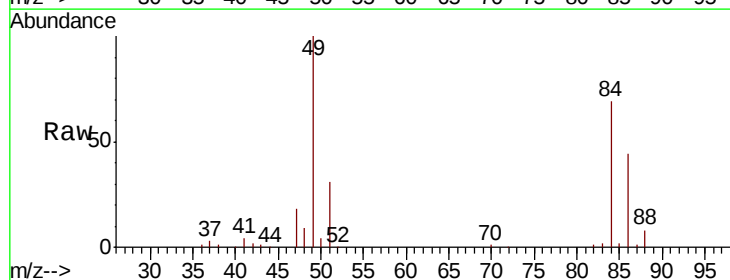
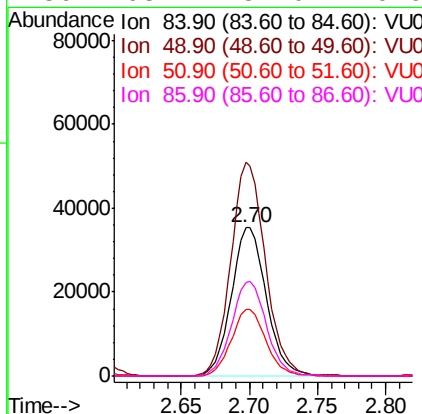
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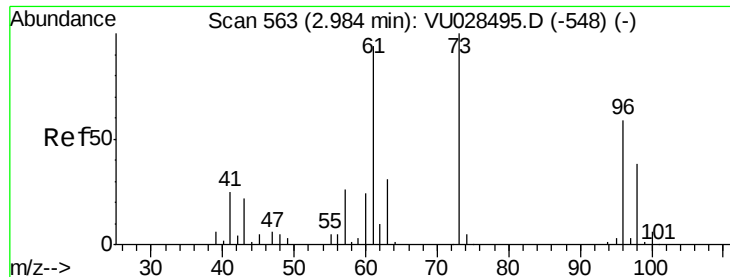
MMDadoda
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#20
Methylene Chloride
Concen: 45.575 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion: 84 Resp: 63012
Ion Ratio Lower Upper
84 100
49 144.2 114.0 171.0
51 44.9 35.1 52.7
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 46.866 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 55332

Ion Ratio Lower Upper

96 100

61 159.0 127.0 190.4

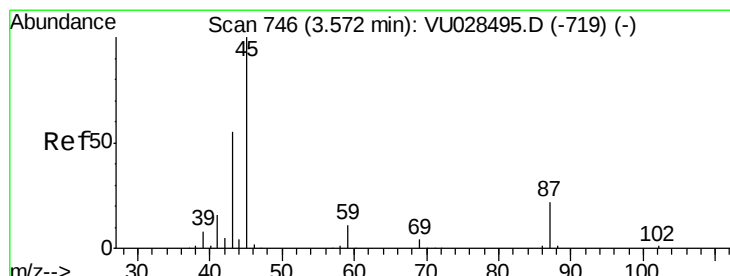
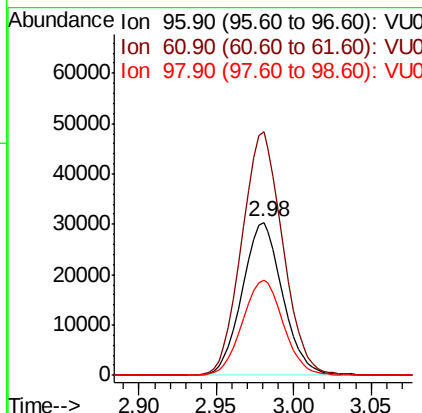
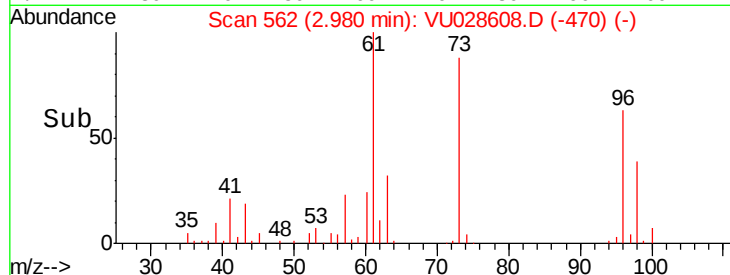
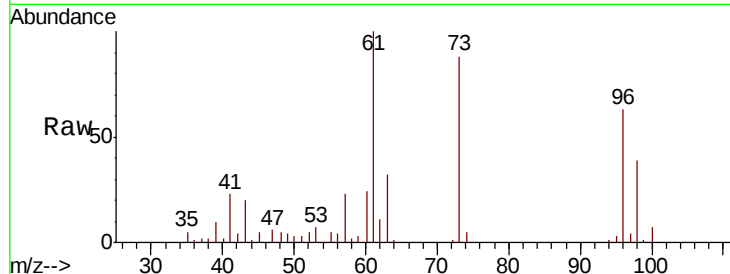
98 62.3 51.9 77.9

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#22

Diisopropyl ether

Concen: 50.237 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion: 45 Resp: 242350

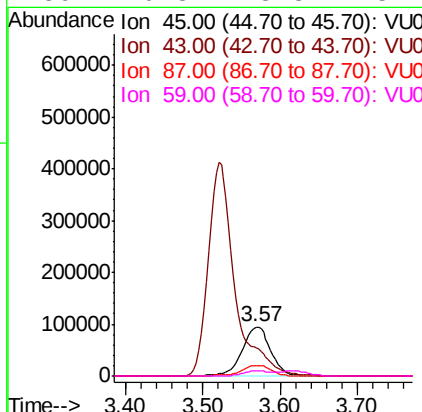
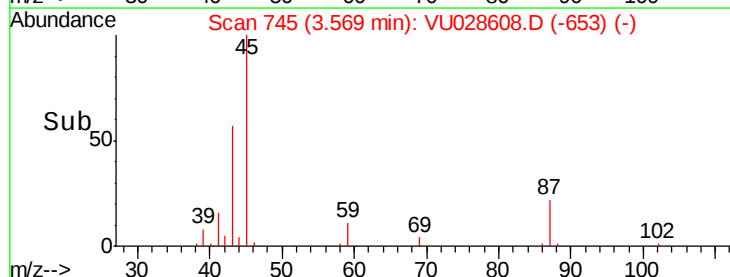
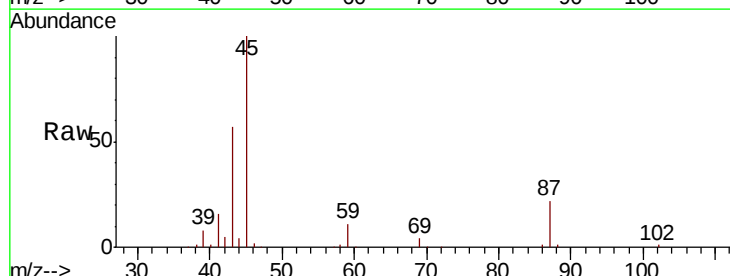
Ion Ratio Lower Upper

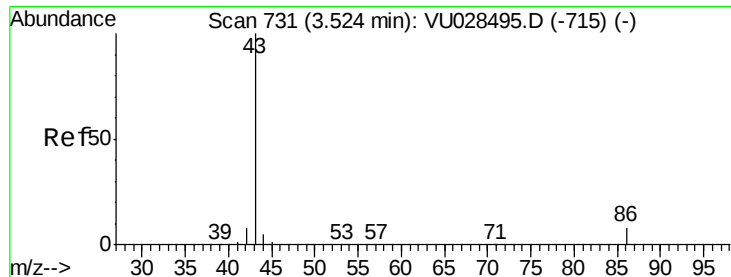
45 100

43 56.6 45.3 67.9

87 22.1 17.6 26.4

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 250.614 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 997222

Ion Ratio Lower Upper

43 100

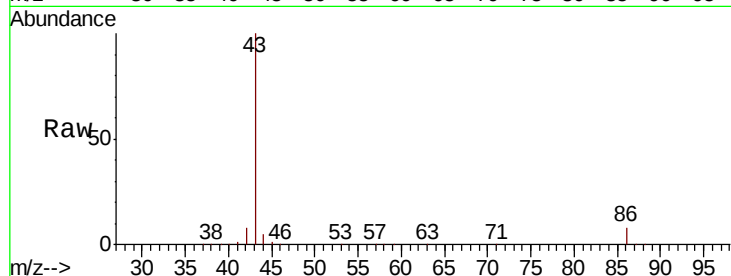
86 8.1 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028608.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028608.D (-638) (-)

3.52

400000

300000

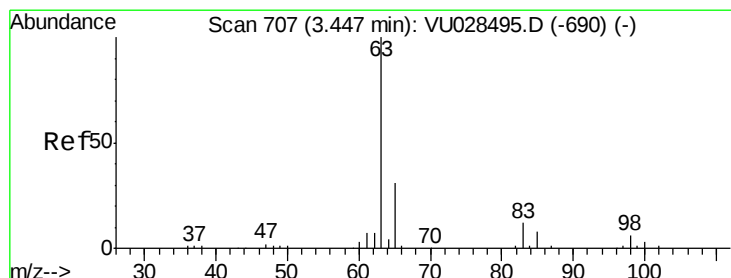
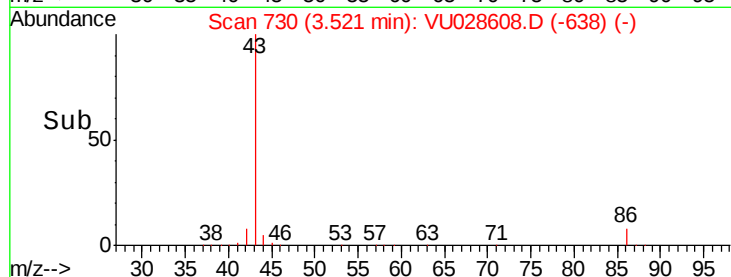
200000

100000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 48.110 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

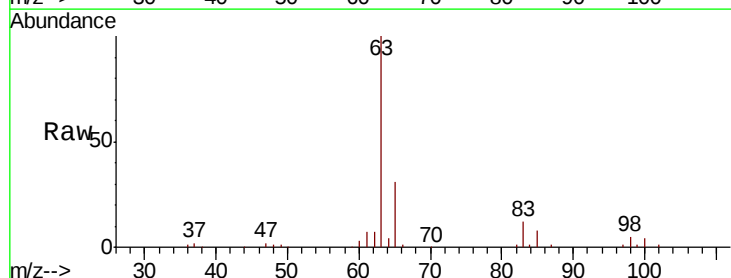
Tgt Ion: 63 Resp: 121487

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.2

100 3.5 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028608.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028608.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028608.D (-614) (-)

3.44

60000

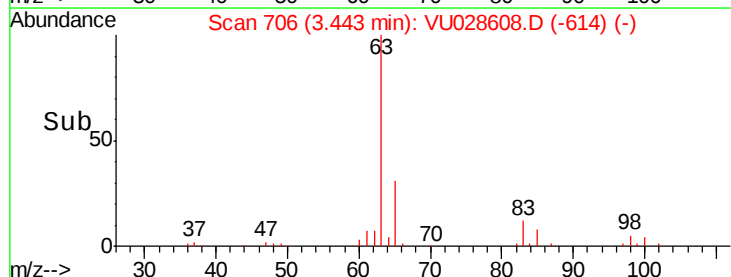
40000

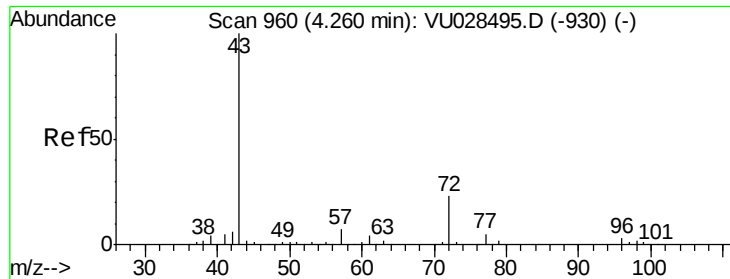
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 253.571 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 325010

Ion Ratio Lower Upper

43 100

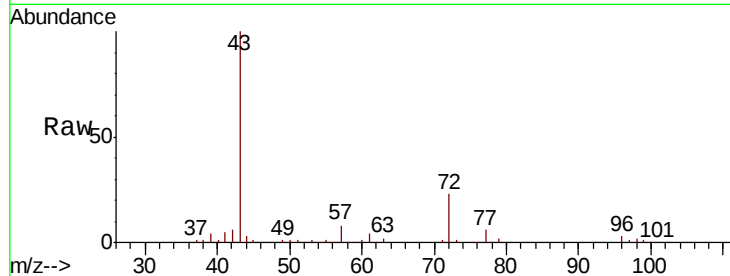
72 22.6 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028608.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU028608.D (-867) (-)

150000

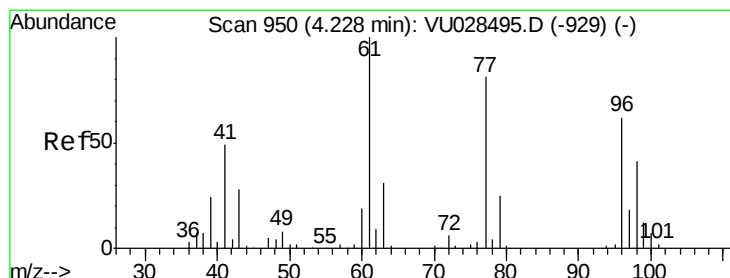
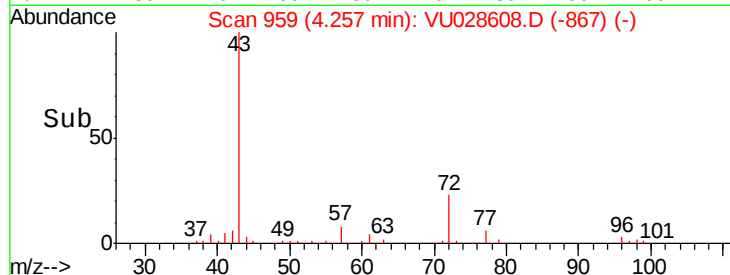
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 48.661 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028608.D

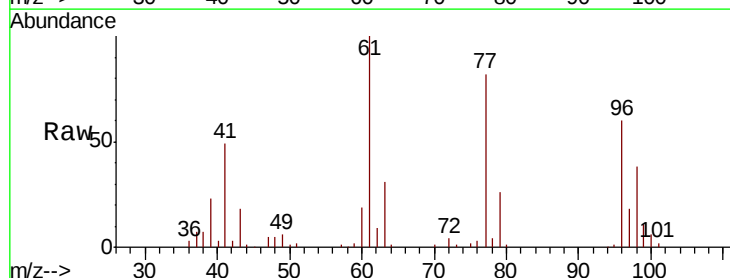
Acq: 11 Dec 2018 15:35

Tgt Ion: 77 Resp: 97364

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028608.D (-857) (-)

Ion 96.90 (96.60 to 97.60): VU028608.D (-857) (-)

40000

30000

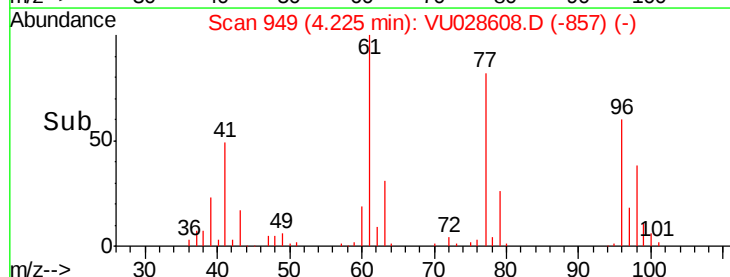
20000

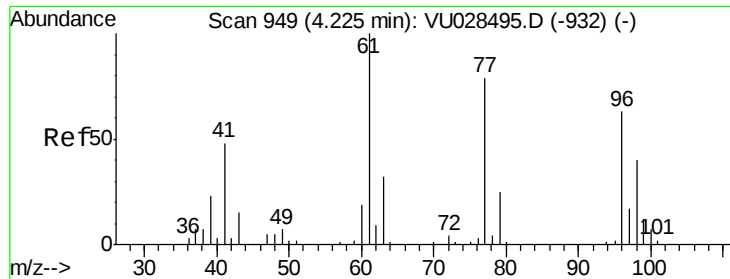
10000

0

4.10 4.20 4.30

Time-->





#27

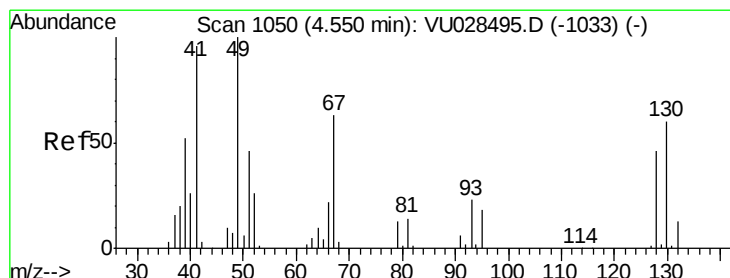
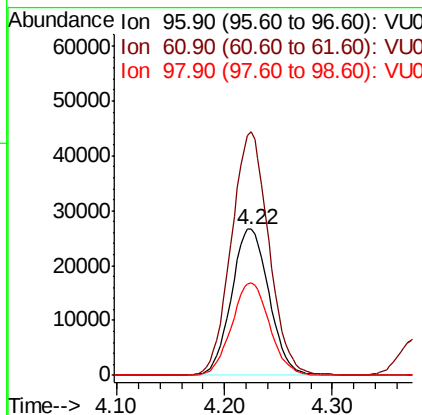
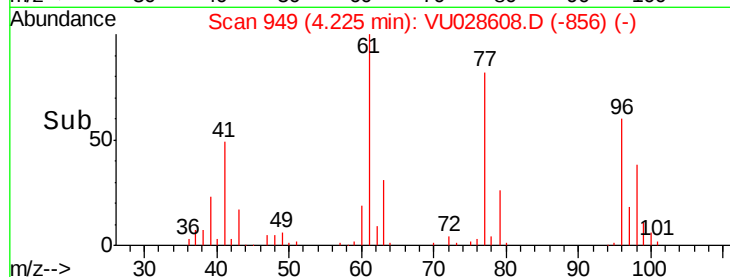
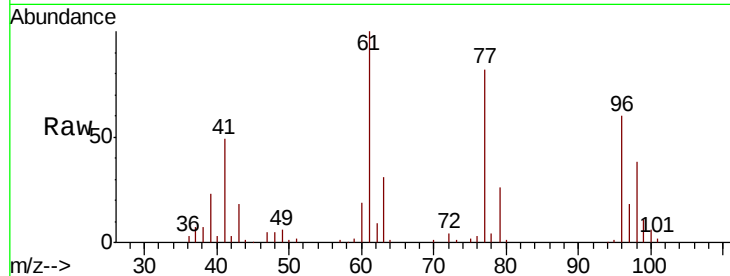
cis-1,2-Dichloroethene
Concen: 48.444 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	332.4
98	63.5	0.0	129.0

Manual Integrations
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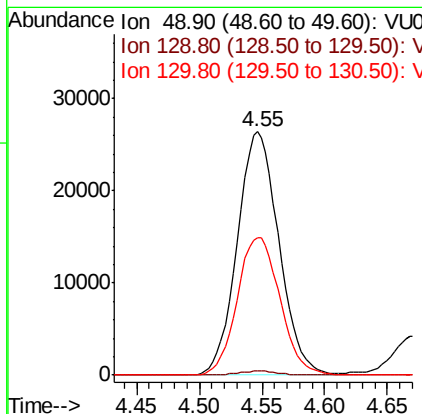
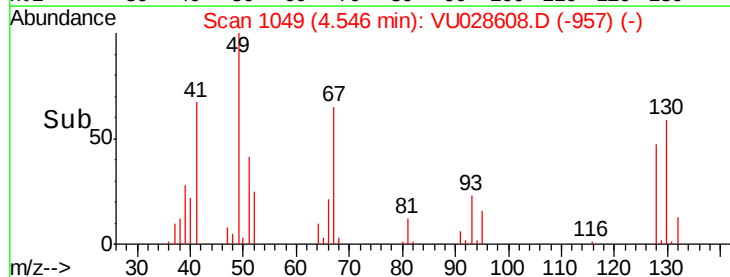
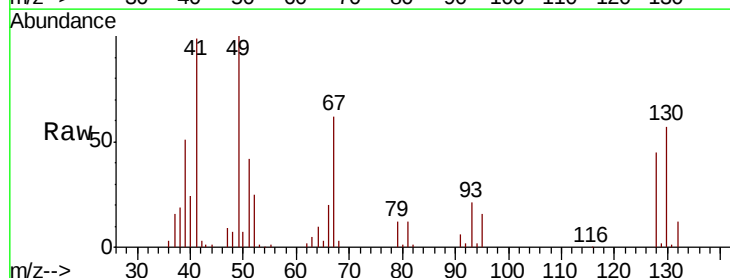
MMDadoda
12/12/2018 11:48:53 AM

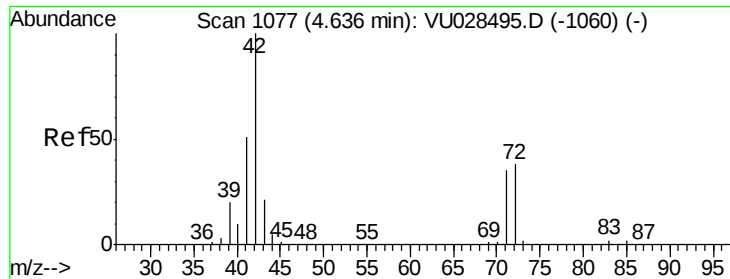


#28

Bromochloromethane
Concen: 53.082 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	58.1	47.8	71.8





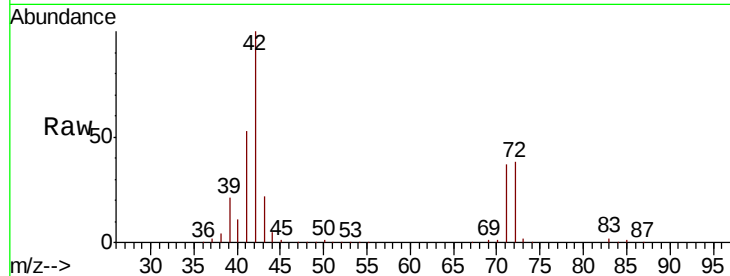
#29
Tetrahydrofuran
Concen: 252.963 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	35.8	28.6	43.0

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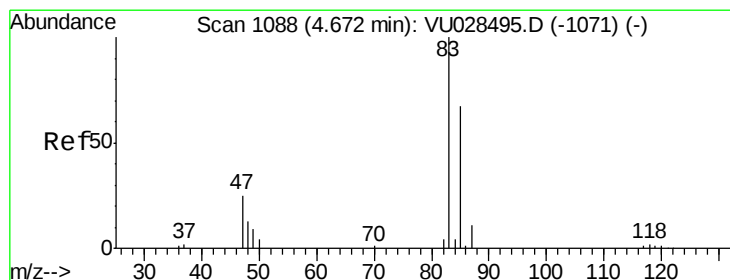
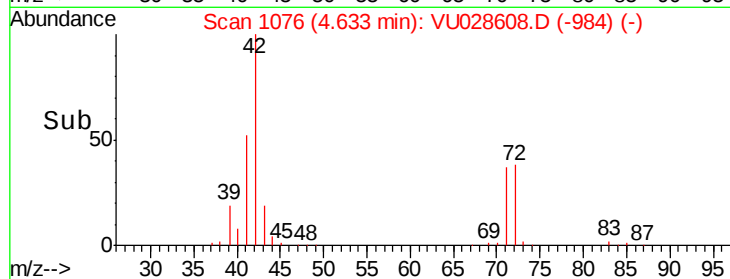
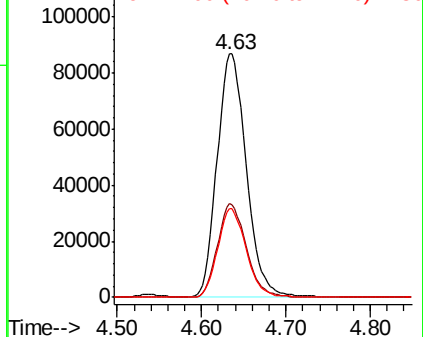


Abundance

Ion 42.00 (41.70 to 42.70): VU028495.D (-1060) (-)

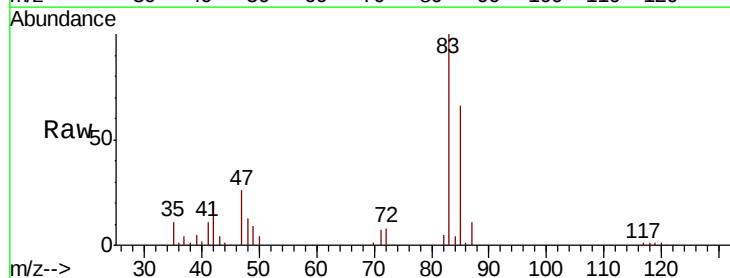
Ion 72.00 (71.70 to 72.70): VU028495.D (-1060) (-)

Ion 71.00 (70.70 to 71.70): VU028495.D (-1060) (-)



#30
Chloroform
Concen: 49.384 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

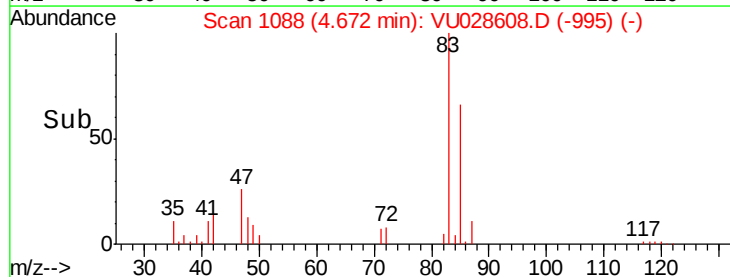
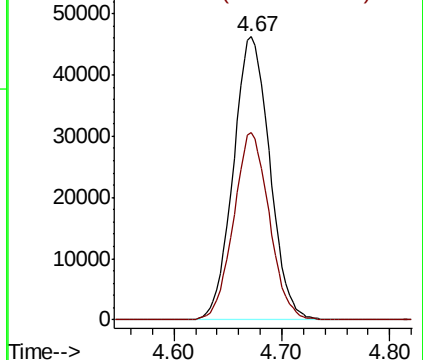
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.6	80.4

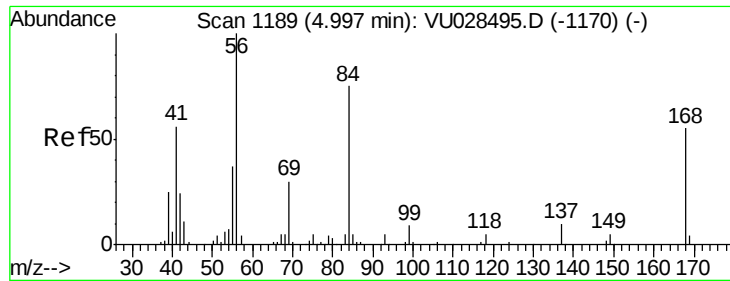


Abundance

Ion 82.90 (82.60 to 83.60): VU028495.D (-1071) (-)

Ion 84.90 (84.60 to 85.60): VU028495.D (-1071) (-)





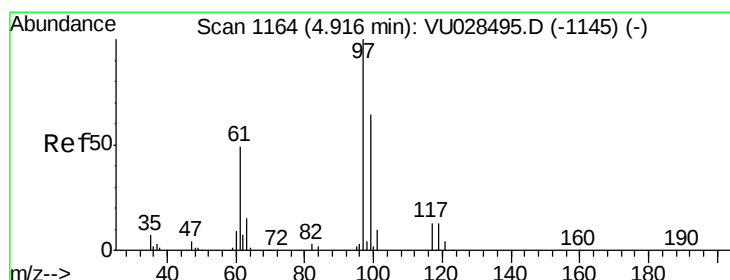
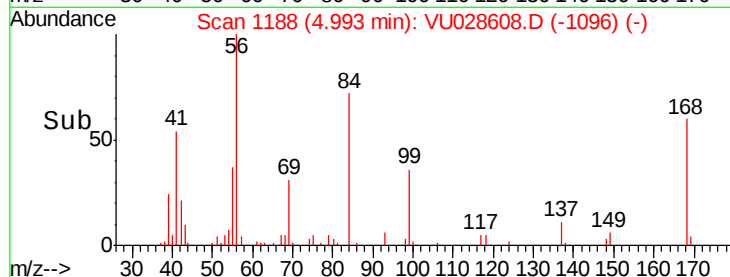
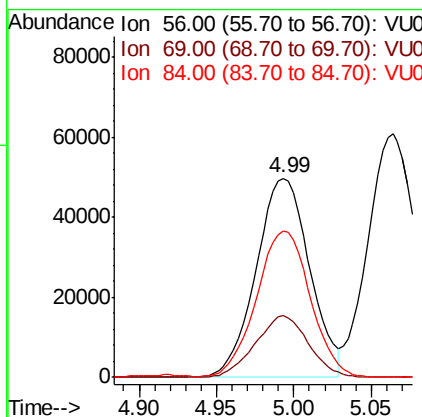
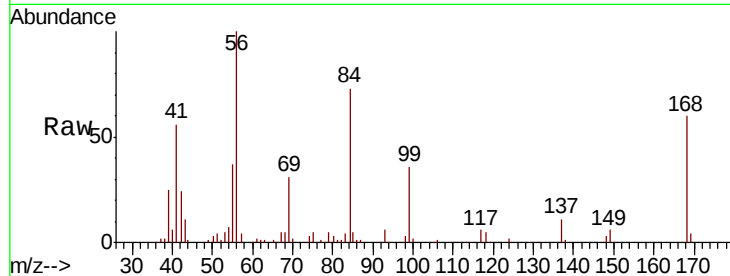
#31
Cyclohexane
Concen: 48.680 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.0	36.0
84	72.7	59.7	89.5

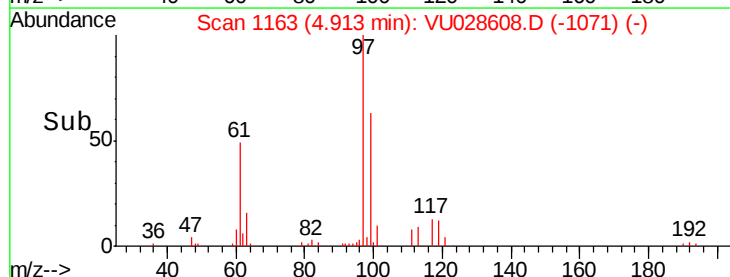
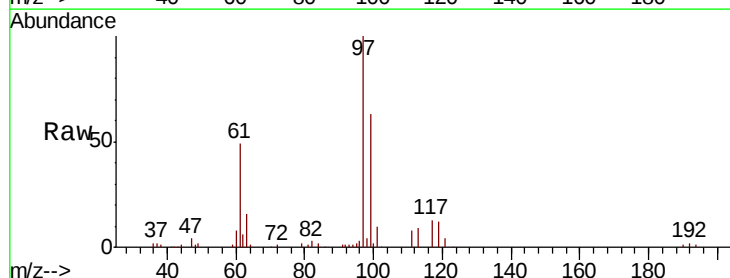
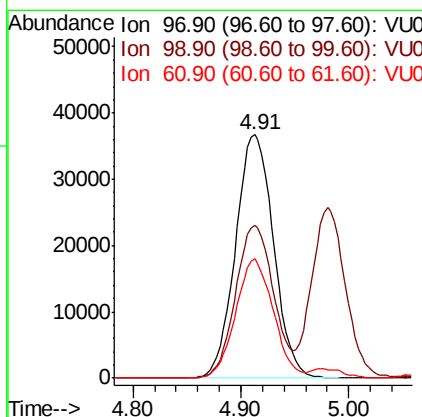
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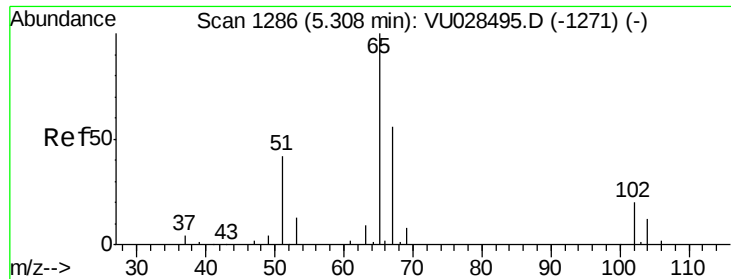
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#32
1,1,1-Trichloroethane
Concen: 49.271 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.3	78.5
61	48.4	39.0	58.6





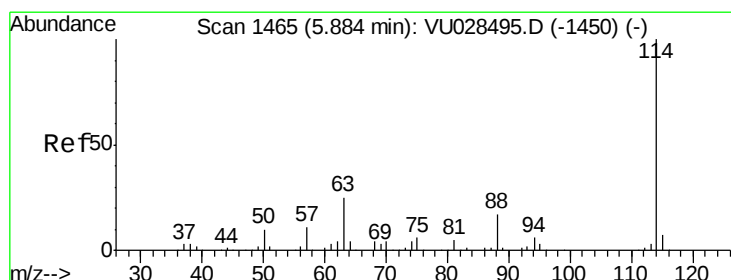
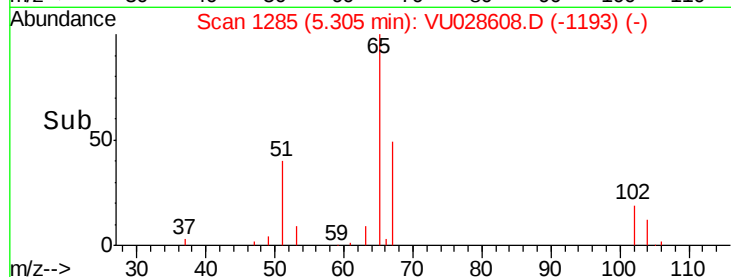
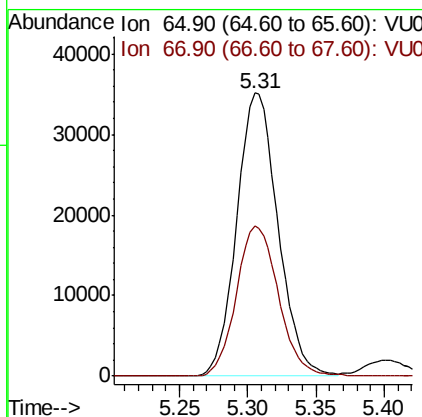
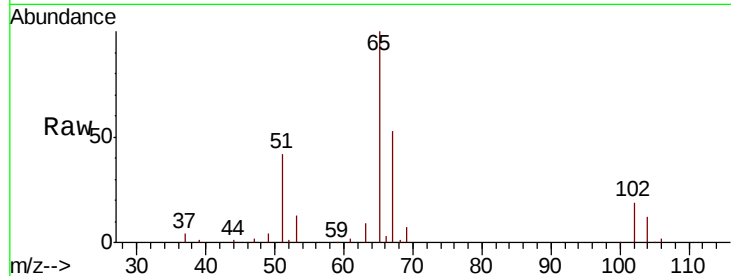
#33
 1,2-Dichloroethane-d4
 Concen: 51.319 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	110.6

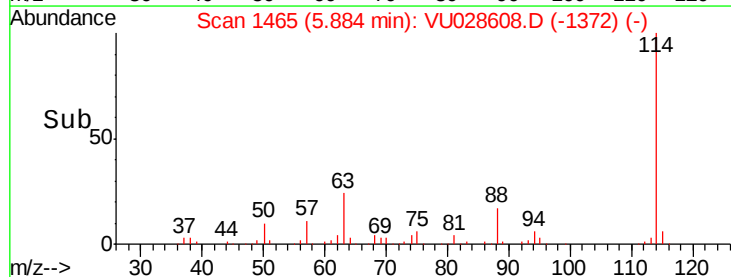
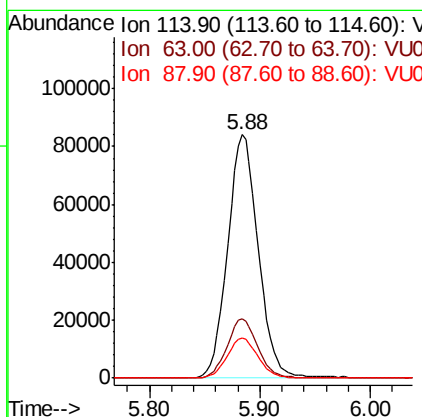
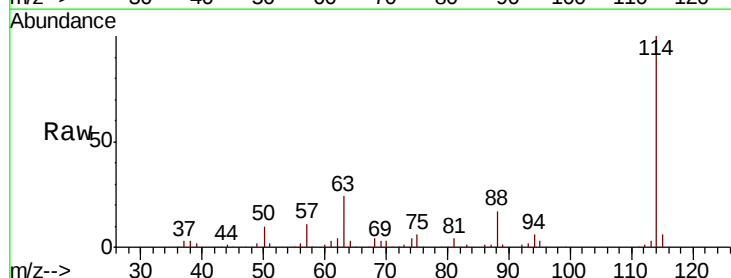
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 12/12/2018 11:48:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	16.6	0.0	33.4





#35

Dibromofluoromethane

Concen: 52.378 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

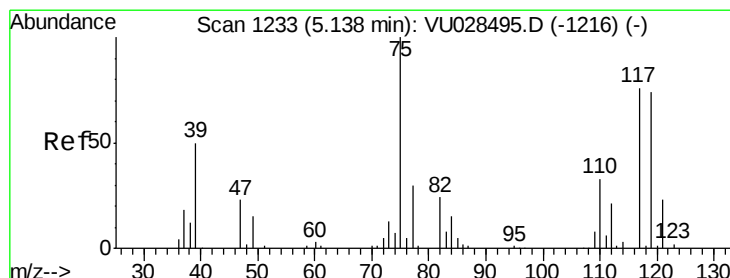
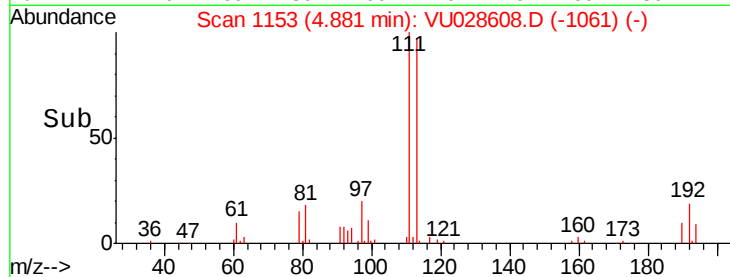
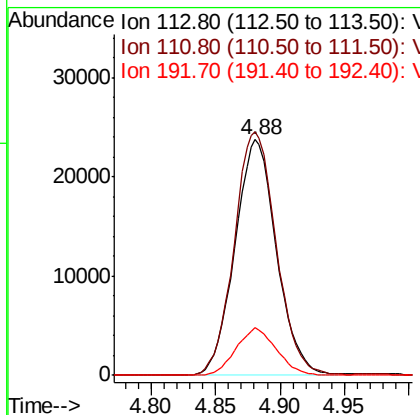
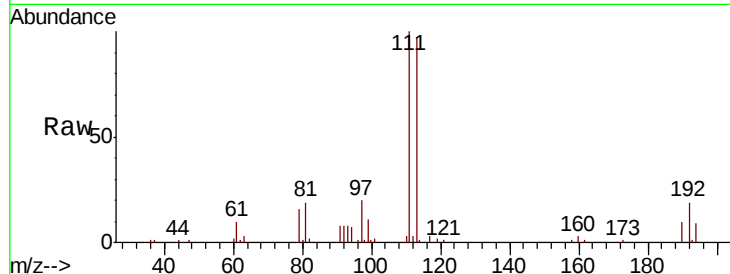
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	53319
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.4	125.0
192	19.4	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 47.626 ug/l

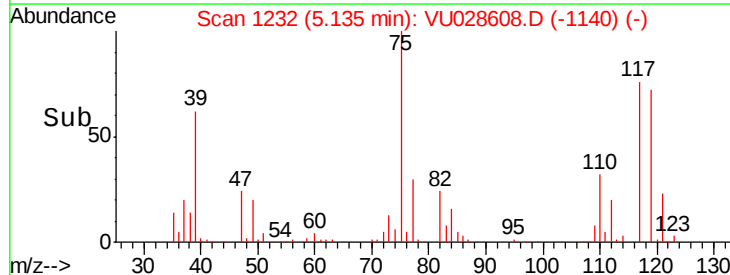
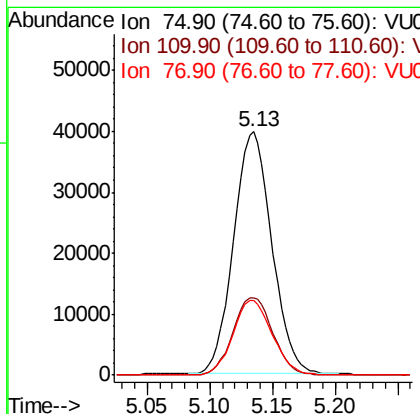
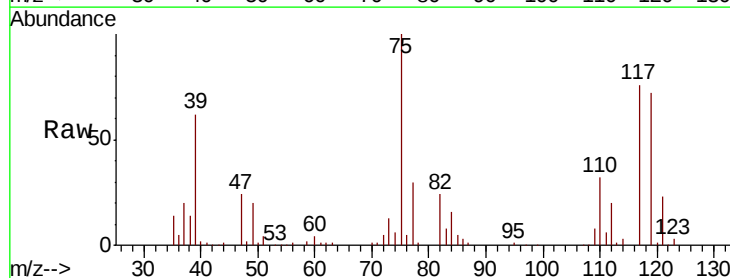
RT: 5.13 min Scan# 1232

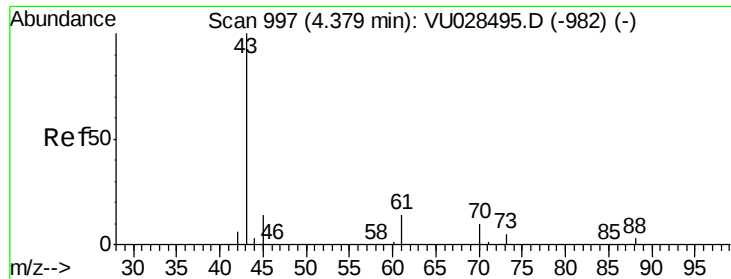
Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion:	75	Resp:	84304
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.1	48.2
77	31.7	24.5	36.7





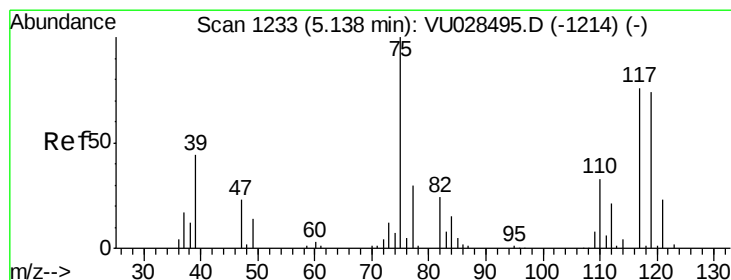
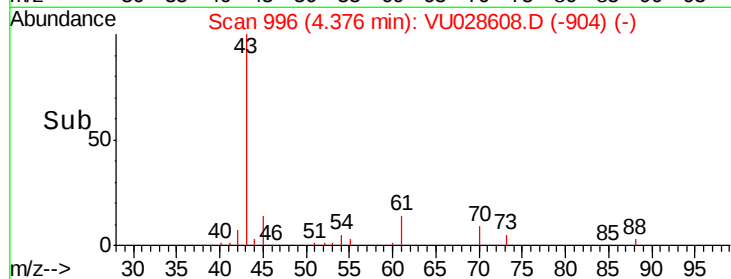
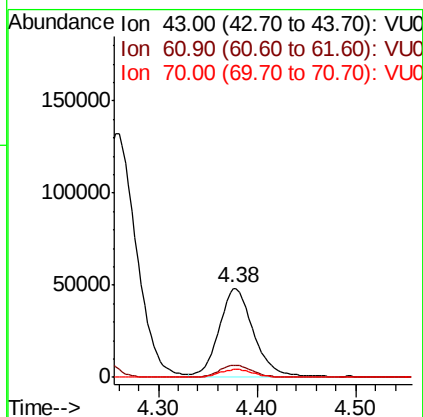
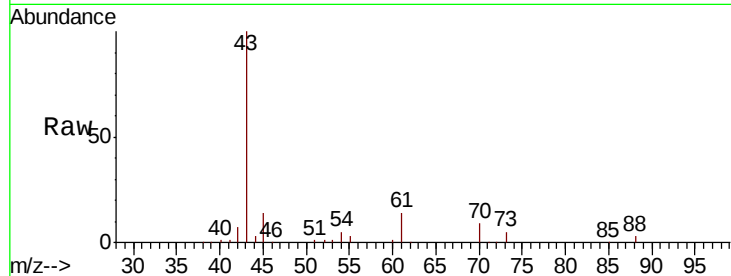
#37
Ethyl Acetate
Concen: 51.041 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	8.8	7.4	11.0

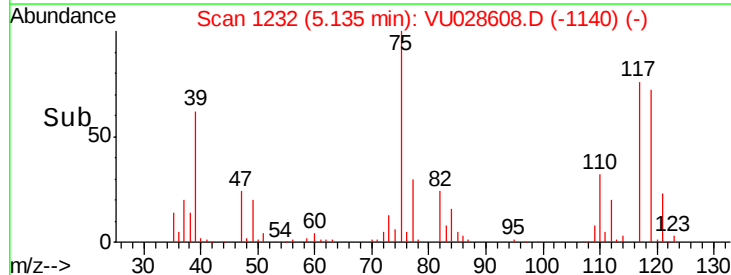
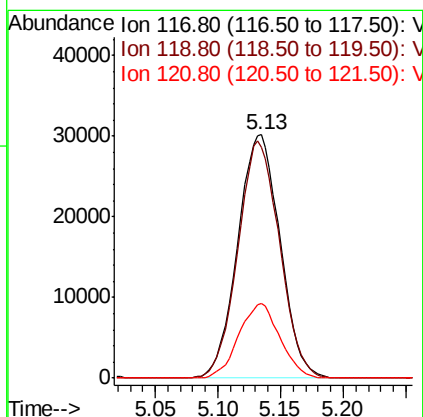
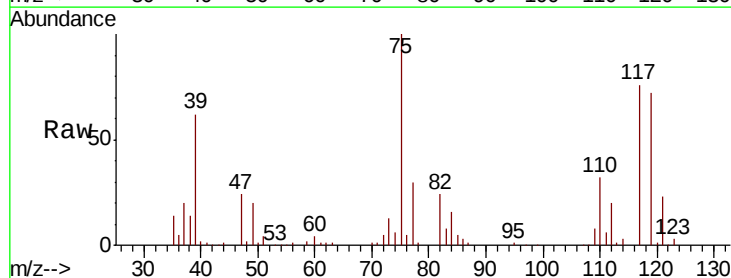
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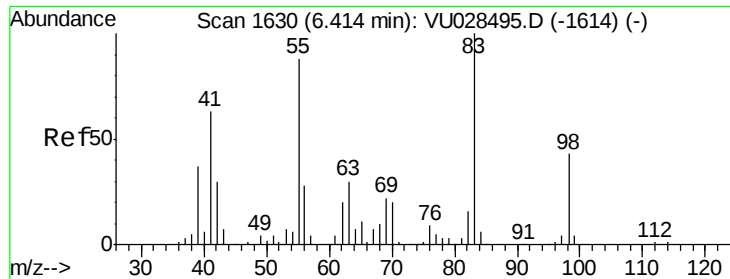
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.524 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.6	116.4
121	30.8	24.6	36.8





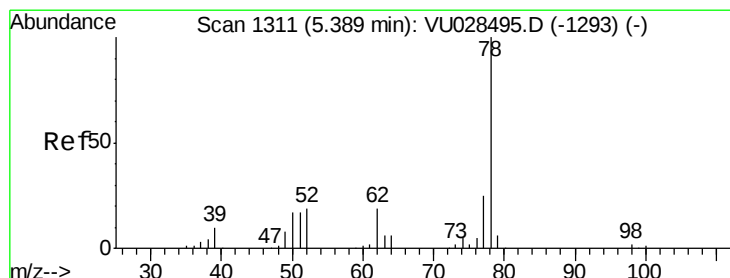
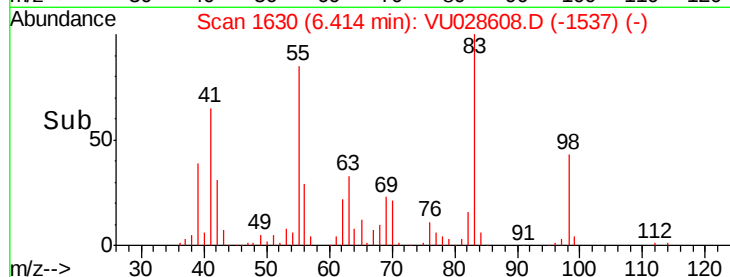
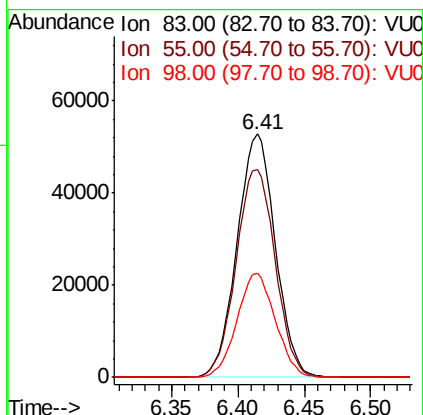
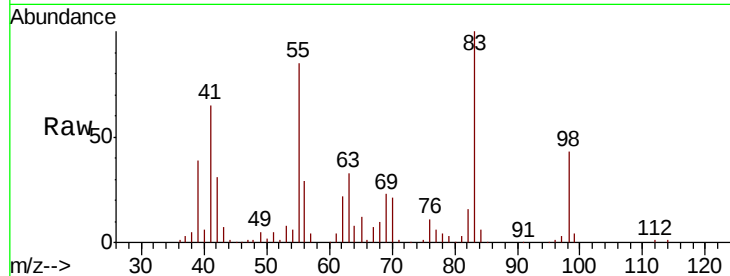
#39
Methvlcvclohexane
Concen: 48.925 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	70.2	105.2
98	42.7	34.2	51.4

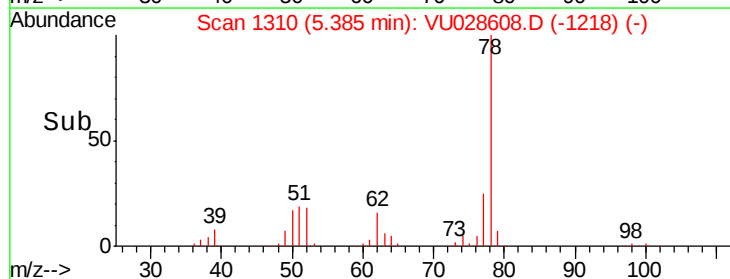
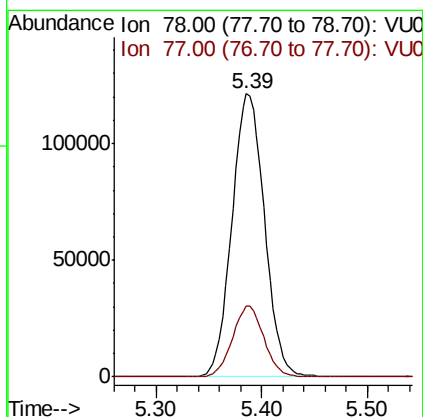
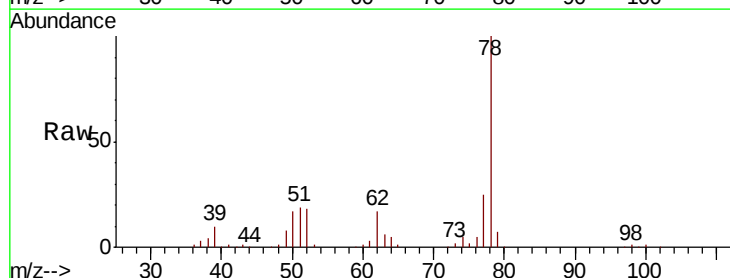
Manual Integrations
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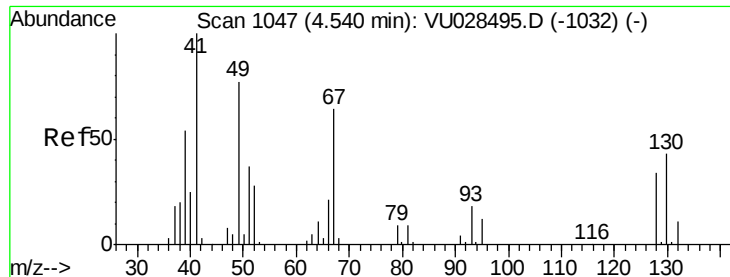
MMDadoda
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#40
Benzene
Concen: 49.848 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





#41

Methacrylonitrile

Concen: 52.534 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 65833

Ion Ratio Lower Upper

41 100

39 52.9 43.3 64.9

67 65.4 53.6 80.4

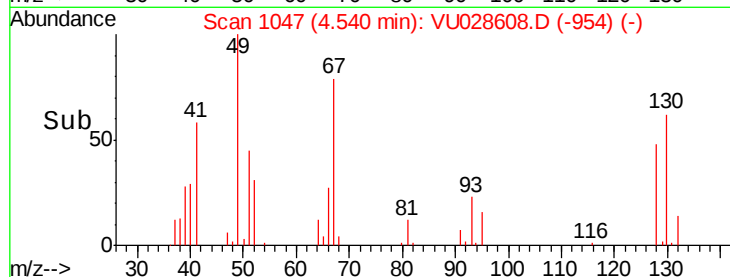
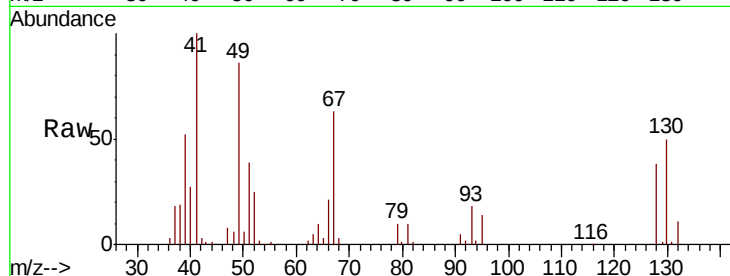
52 26.4 22.1 33.1

Manual Integrations

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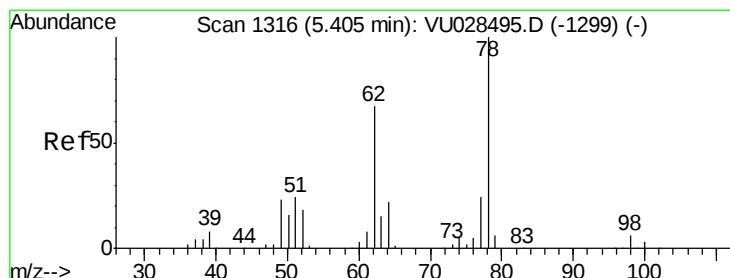
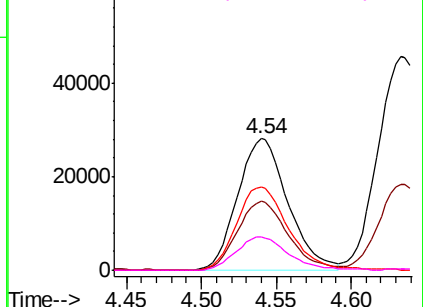


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 49.787 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU028608.D

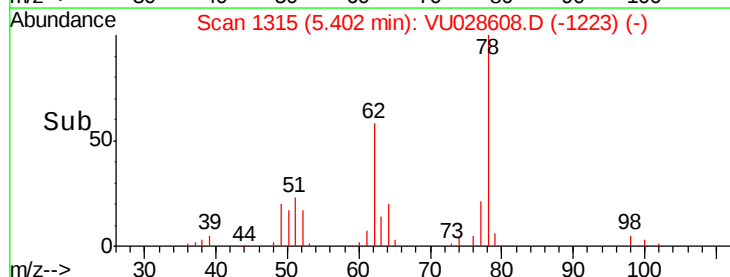
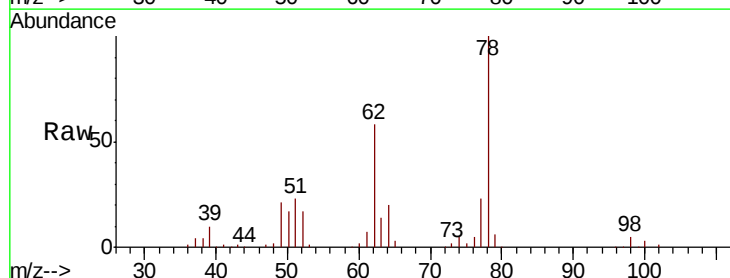
Acq: 11 Dec 2018 15:35

Tgt Ion: 62 Resp: 90856

Ion Ratio Lower Upper

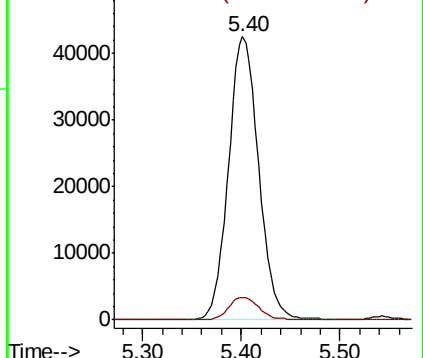
62 100

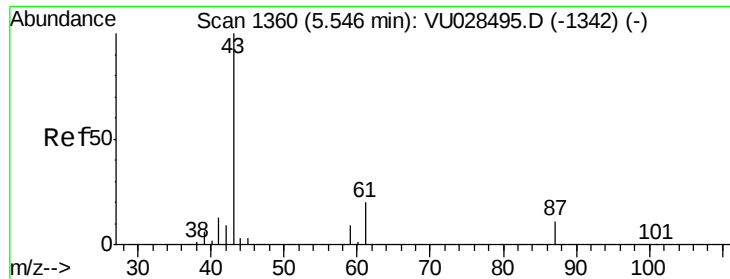
98 8.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 51.592 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

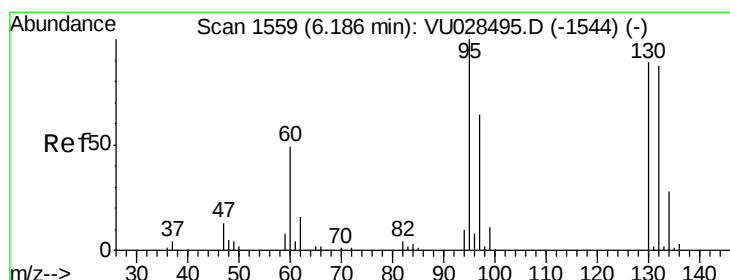
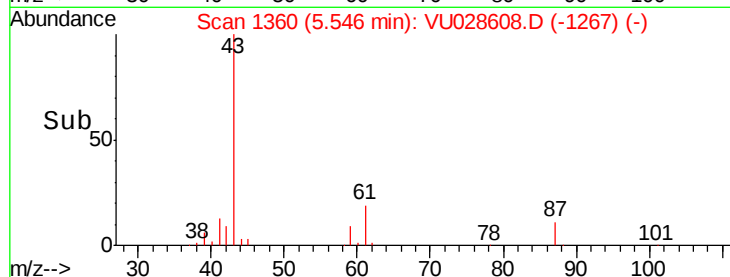
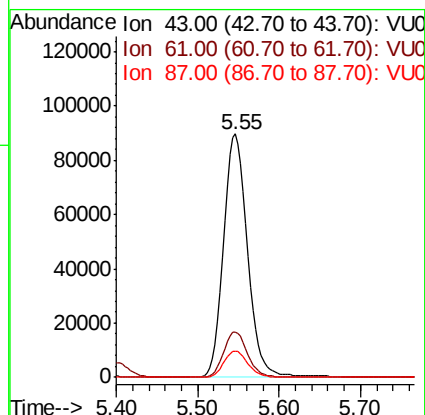
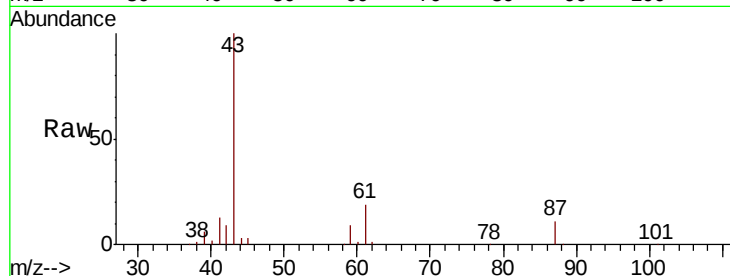
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	186727
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.5	23.3
87	10.7	8.7	13.1

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#44

Trichloroethene

Concen: 48.748 ug/l

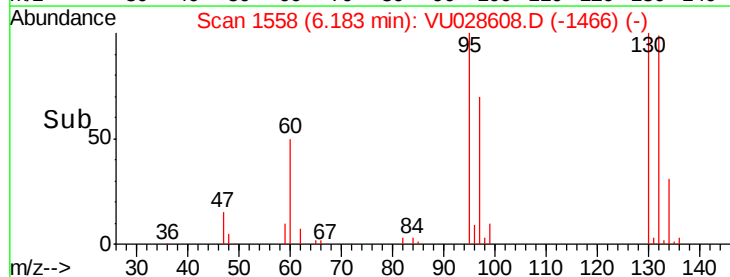
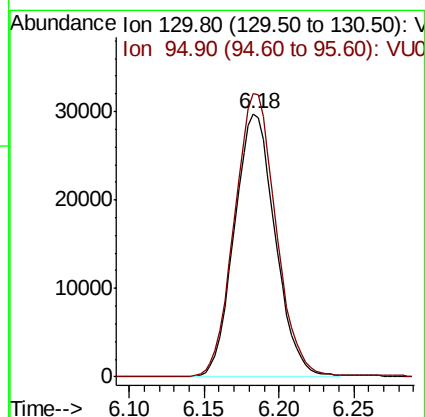
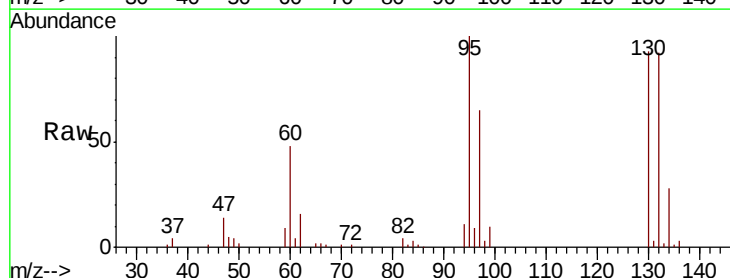
RT: 6.18 min Scan# 1558

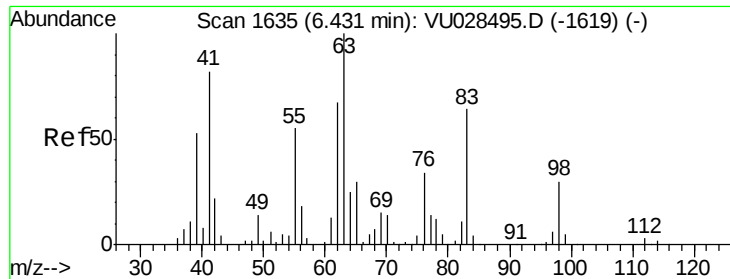
Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion:	130	Resp:	56508
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	224.0





#45

1,2-Dichloropropane

Concen: 51.676 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 75760

Ion Ratio Lower Upper

63 100

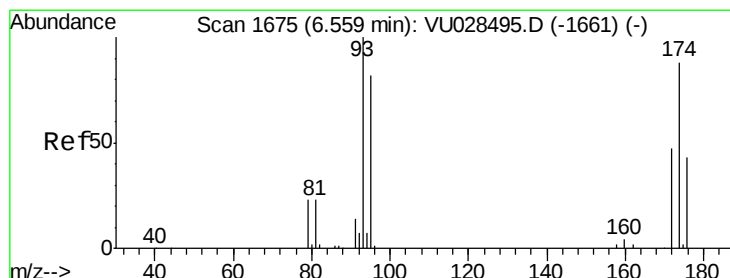
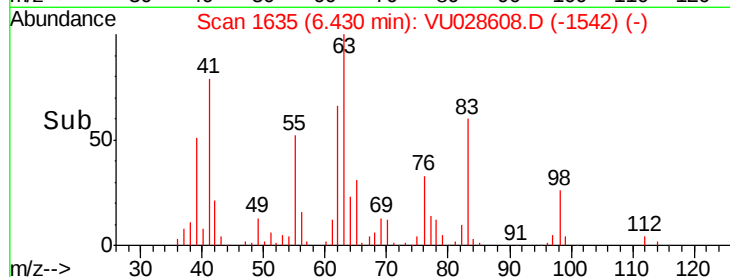
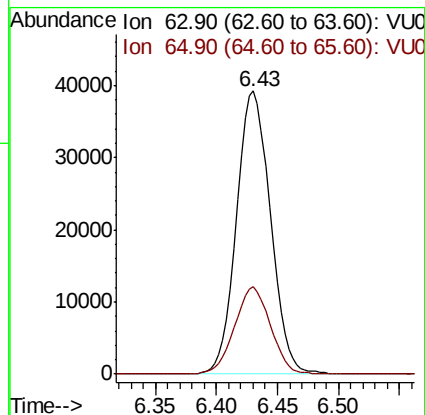
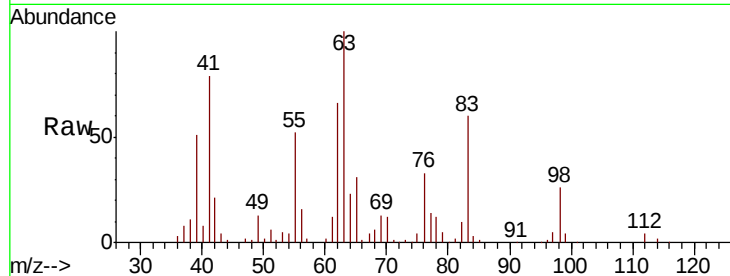
65 30.8 24.2 36.4

Manual Integrations

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#46

Dibromomethane

Concen: 50.003 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

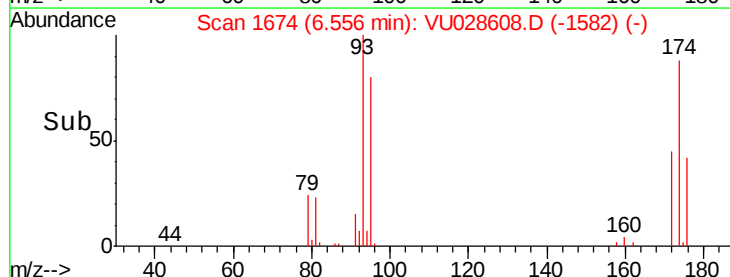
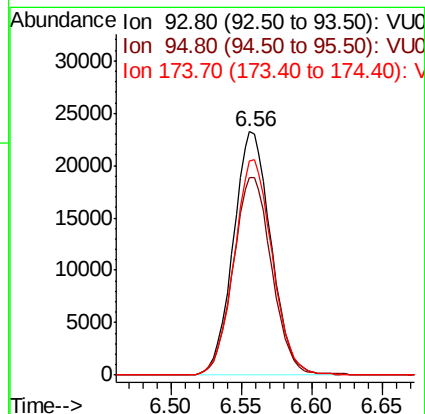
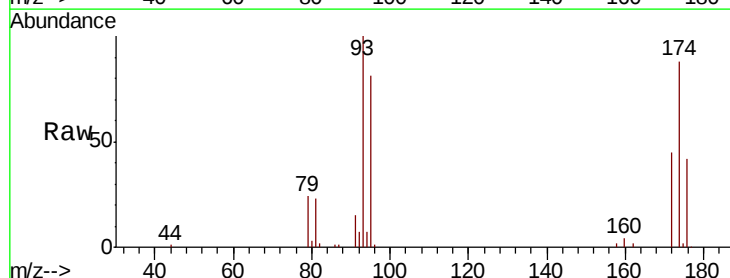
Tgt Ion: 93 Resp: 43495

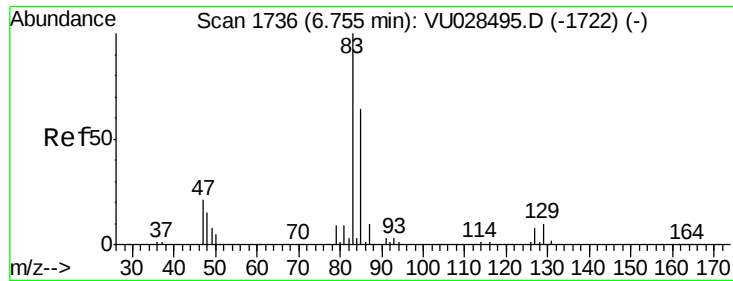
Ion Ratio Lower Upper

93 100

95 83.0 65.4 98.2

174 89.6 72.2 108.4





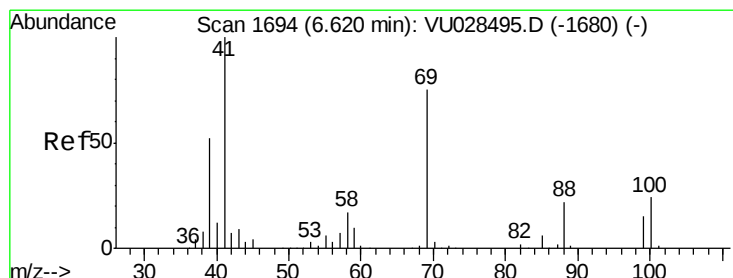
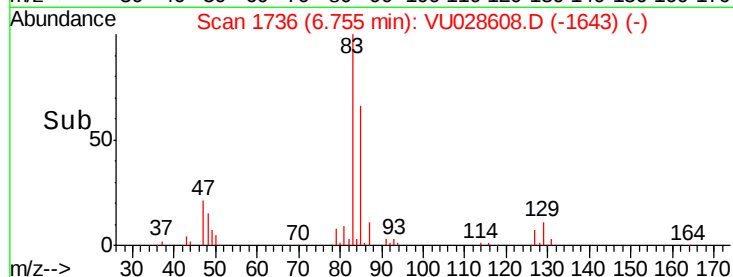
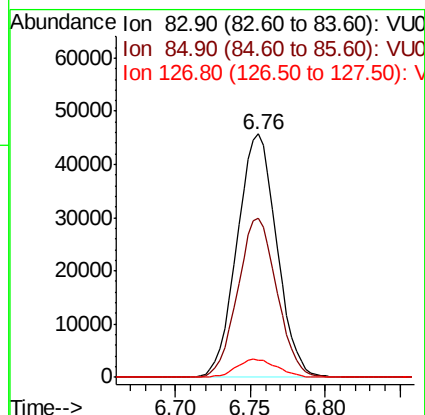
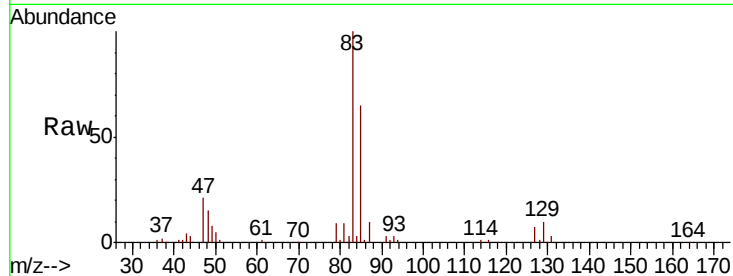
#47
Bromodichloromethane
Concen: 49.857 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.5	77.3
127	7.3	6.2	9.4

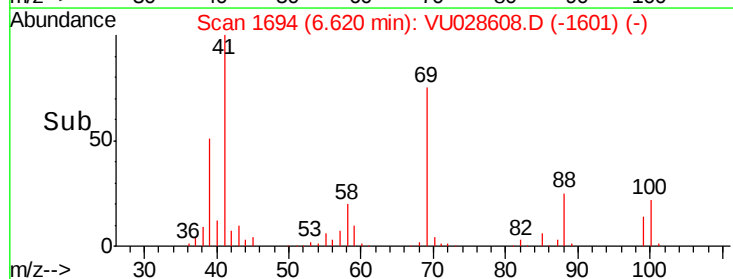
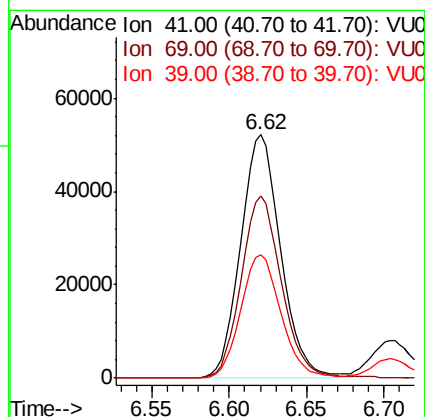
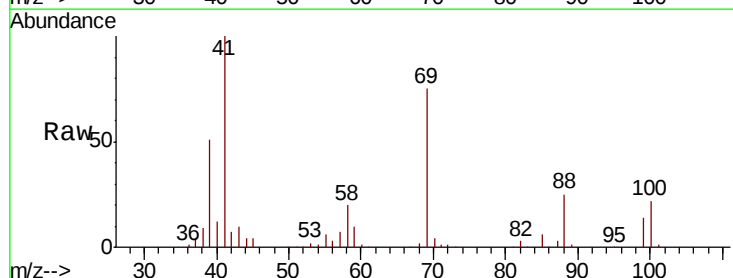
Manual Integrations
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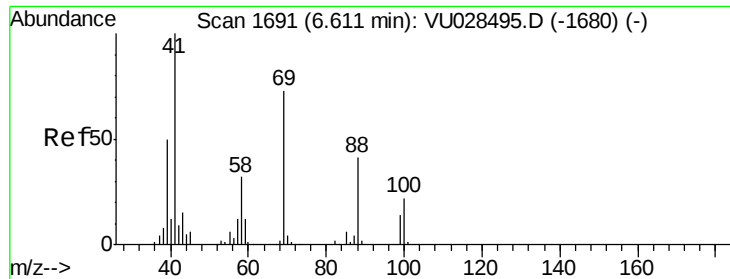
MMDadoda
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#48
Methyl methacrylate
Concen: 52.192 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.4	60.4	90.6
39	51.0	41.1	61.7





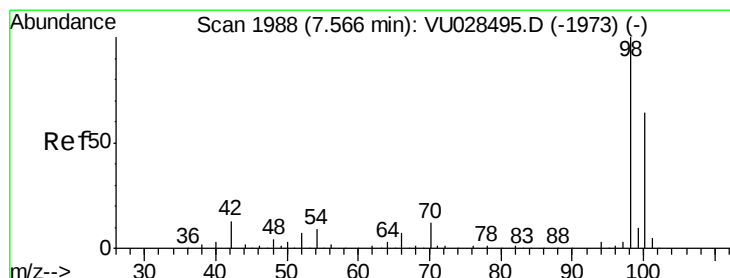
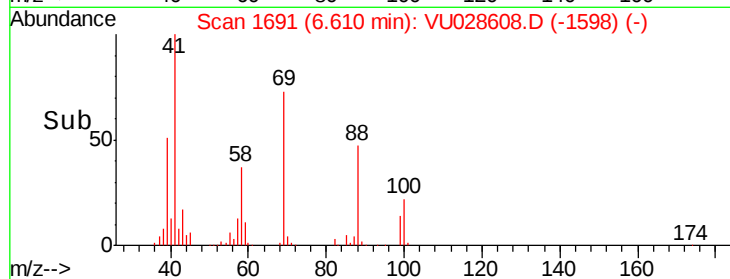
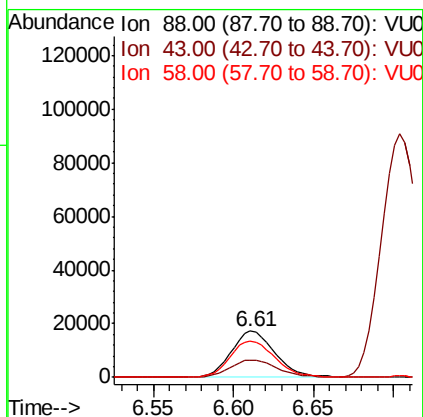
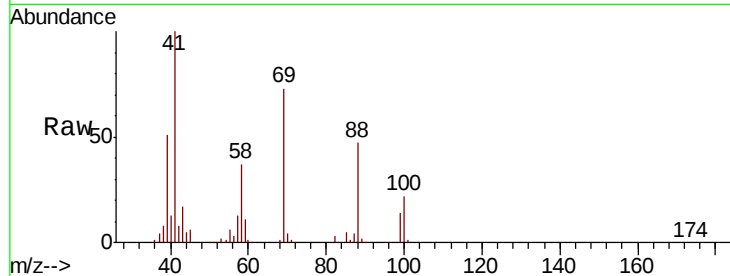
#49
1,4-Dioxane
Concen: 1128.155 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.5	30.9	46.3
58	81.7	62.4	93.6

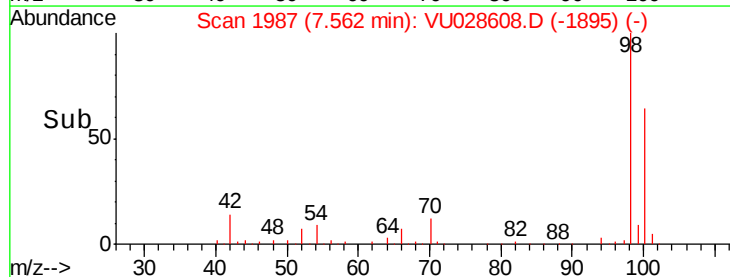
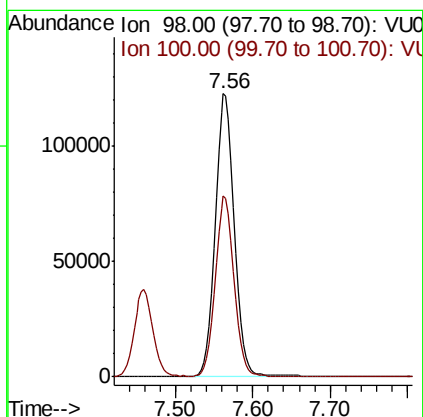
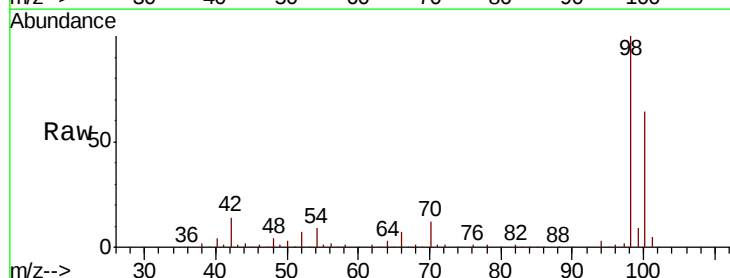
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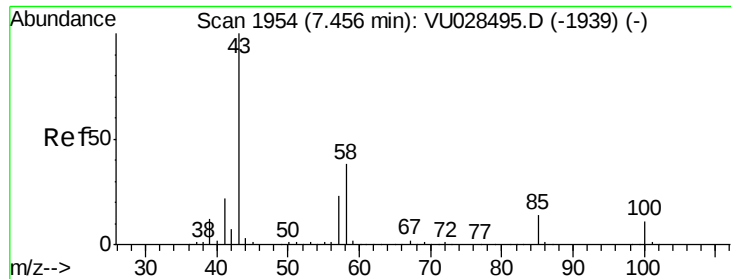
MMDadoda
12/12/2018 11:48:53 AM



#50
Toluene-d8
Concen: 53.372 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 256.108 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 584631

Ion Ratio Lower Upper

43 100

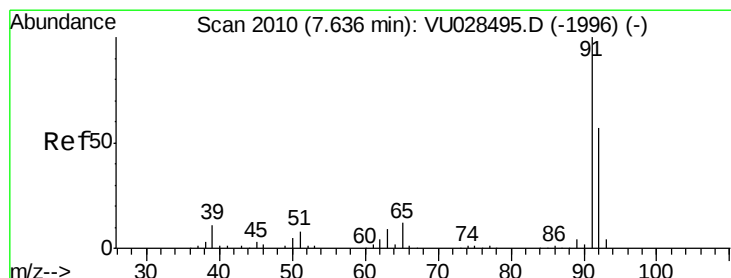
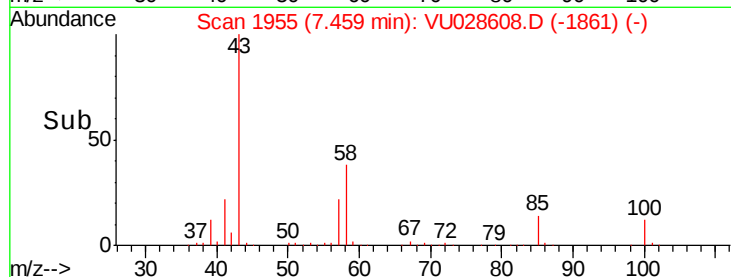
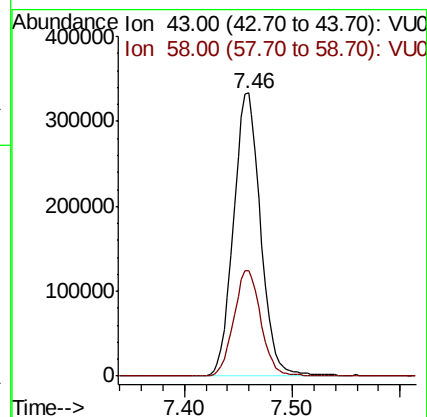
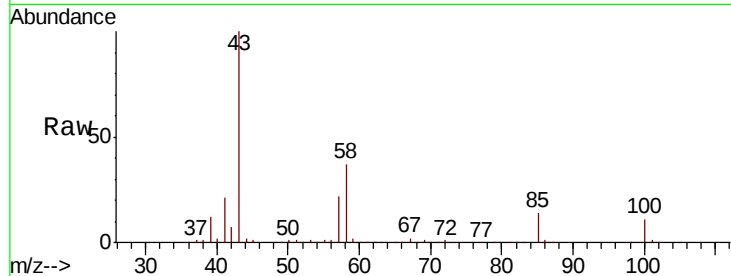
58 37.3 30.2 45.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 49.594 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028608.D

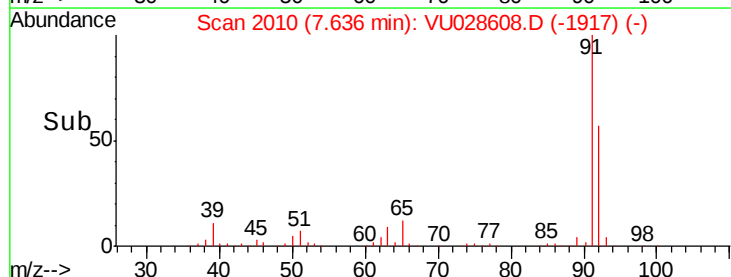
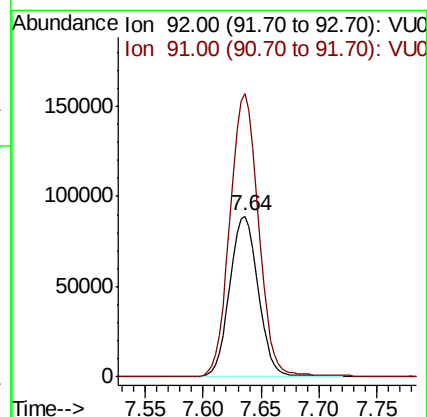
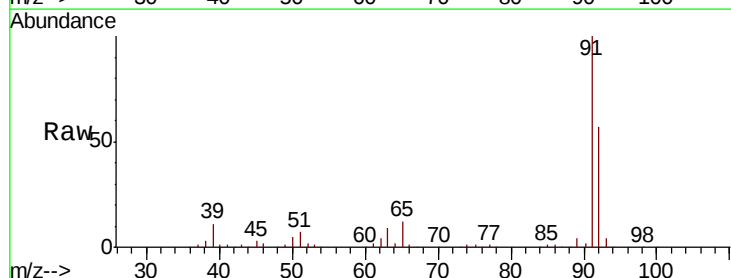
Acq: 11 Dec 2018 15:35

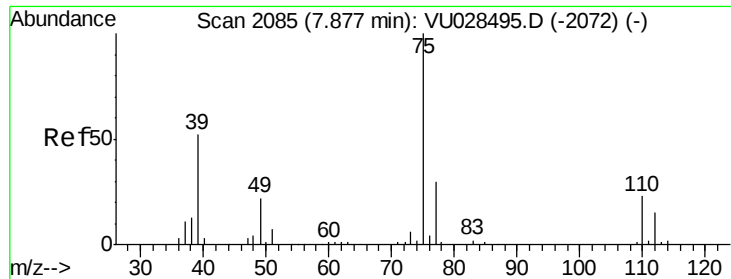
Tgt Ion: 92 Resp: 152164

Ion Ratio Lower Upper

92 100

91 176.2 140.2 210.4





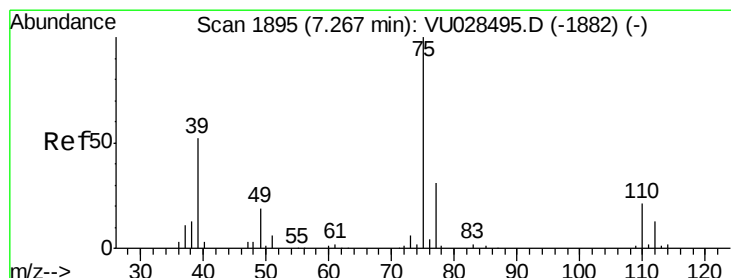
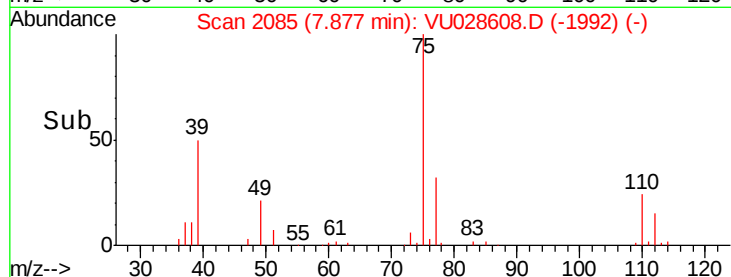
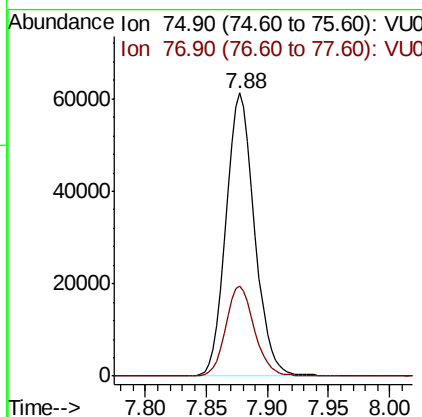
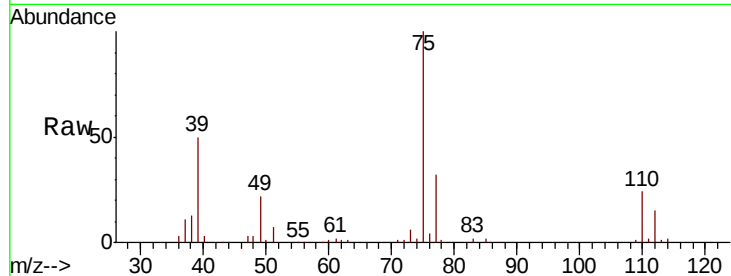
#53
t-1,3-Dichloropropene
Concen: 49.883 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.2	36.4

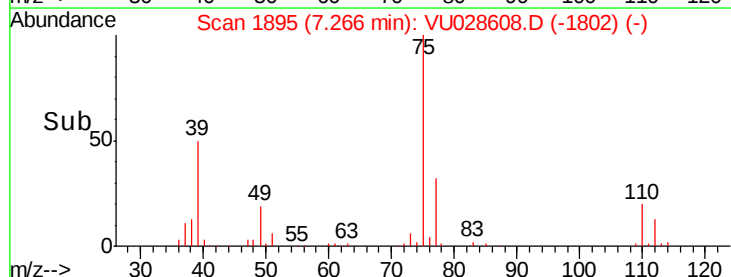
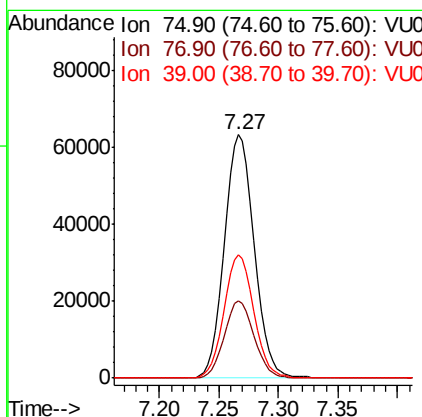
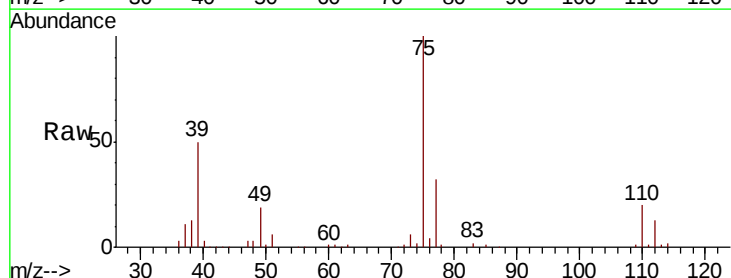
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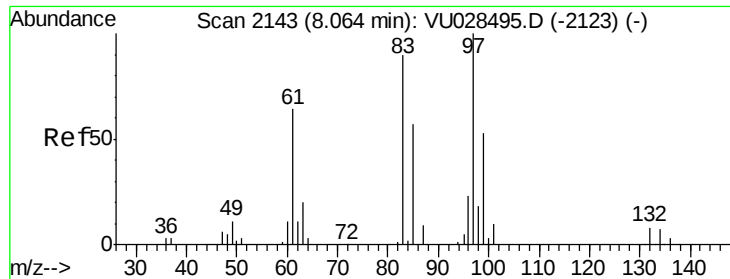
MMDadoda
12/12/2018 11:48:53 AM



#54
cis-1,3-Dichloropropene
Concen: 50.403 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	50.5	41.3	61.9





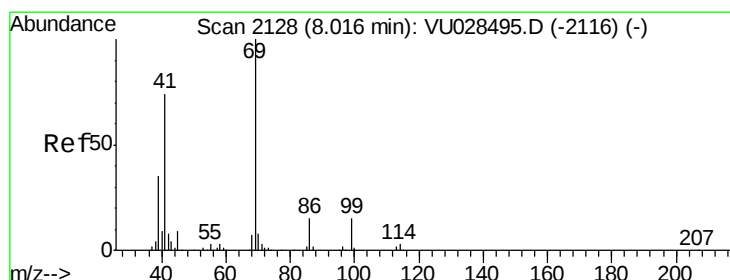
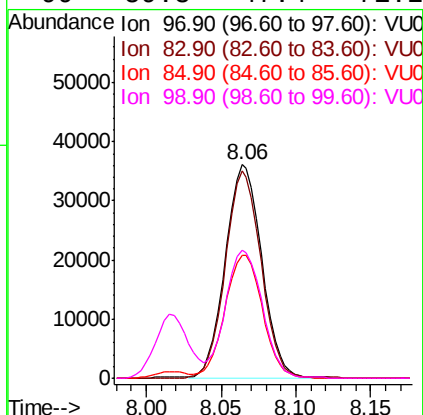
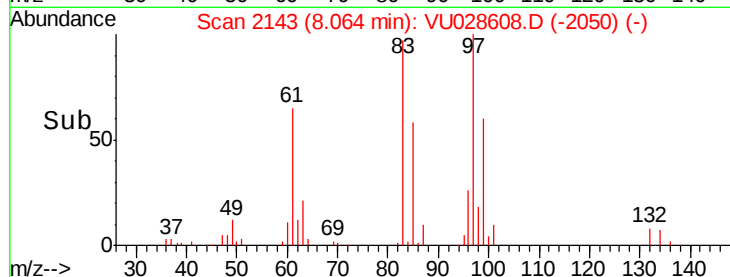
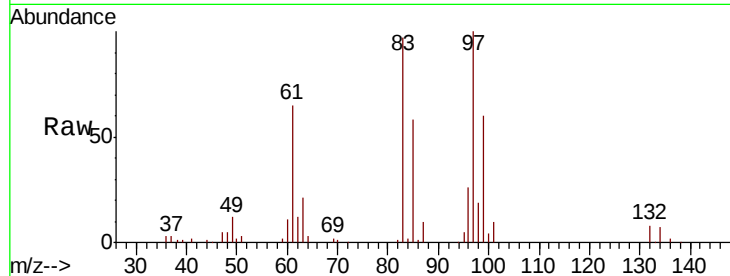
#55
 1,1,2-Trichloroethane
 Concen: 50.817 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	61633
Ion	Ratio	Lower	Upper
97	100		
83	96.5	72.4	108.6
85	57.7	46.0	69.0
99	59.8	47.4	71.2

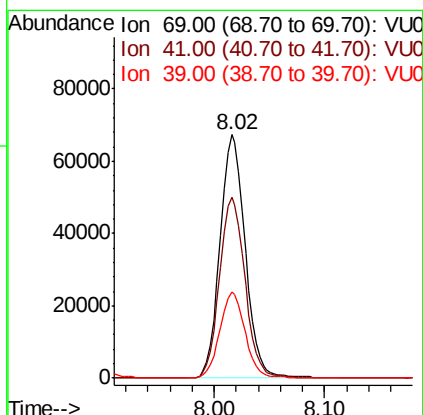
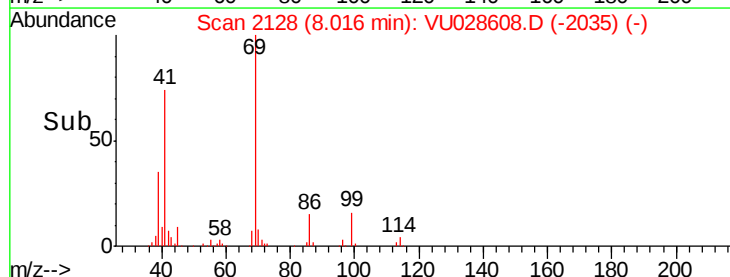
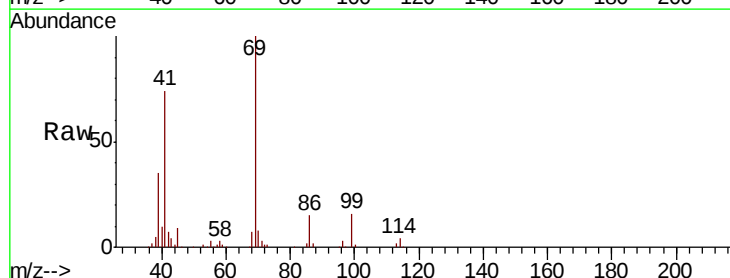
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#56
 Ethyl methacrylate
 Concen: 51.464 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion:	69	Resp:	106886
Ion	Ratio	Lower	Upper
69	100		
41	75.3	59.1	88.7
39	35.7	28.4	42.6





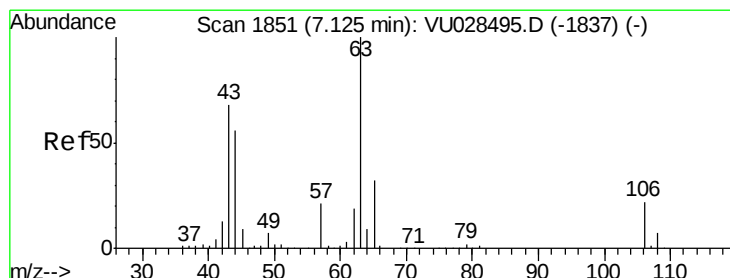
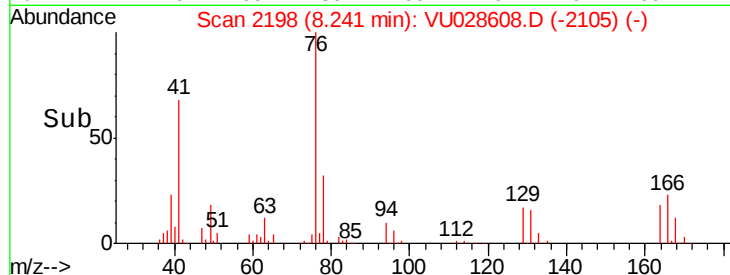
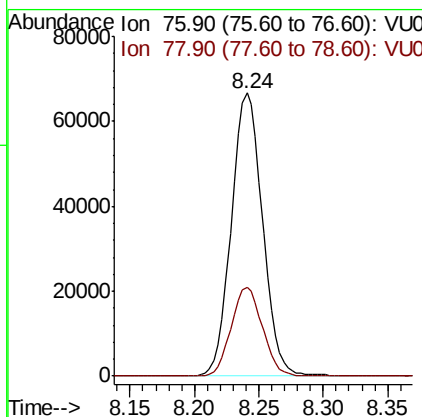
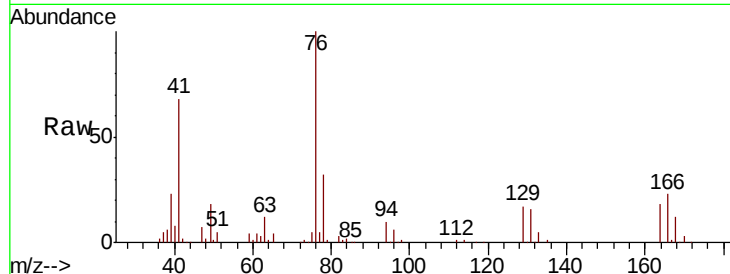
#57
 1,3-Dichloropropane
 Concen: 49.848 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 112227
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.2 37.8

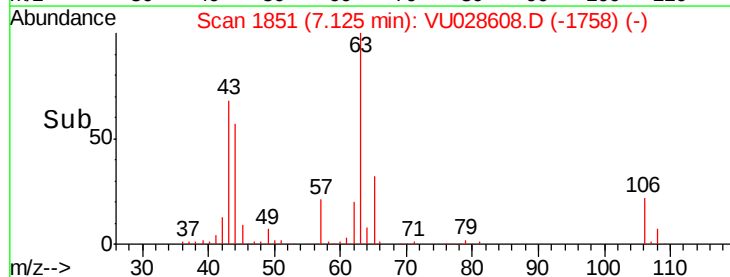
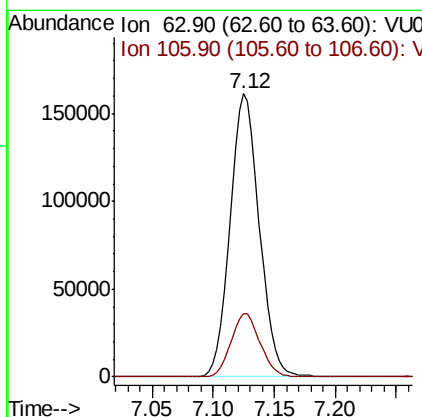
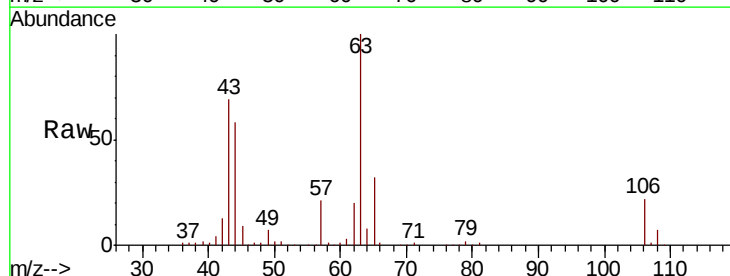
Manual Integrations
 APPROVED

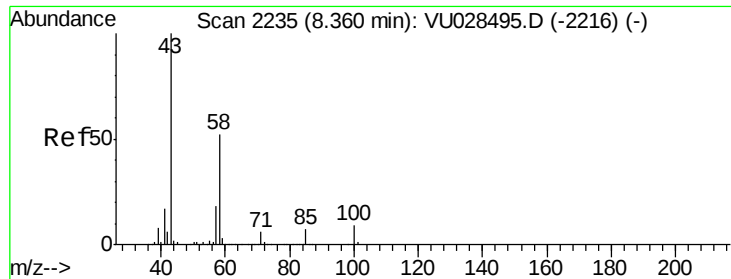
MMDadoda
 12/12/2018 11:48:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.225 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion: 63 Resp: 269383
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.8 26.6





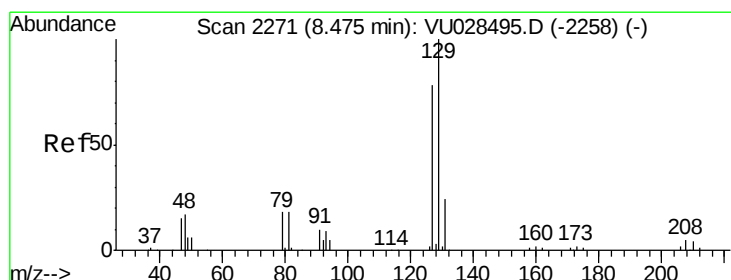
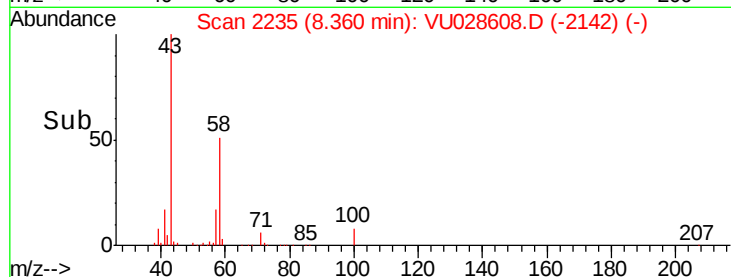
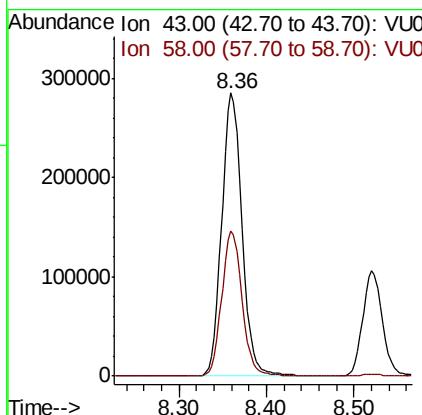
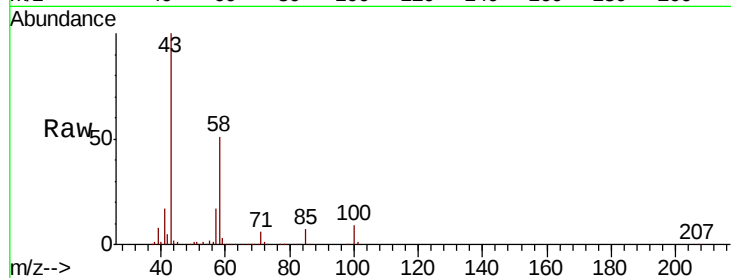
#59
2-Hexanone
Concen: 254.696 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 460827
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.6

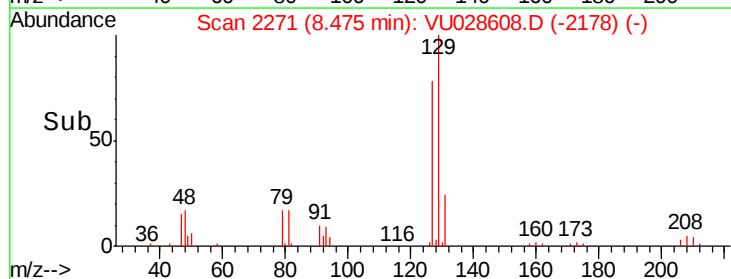
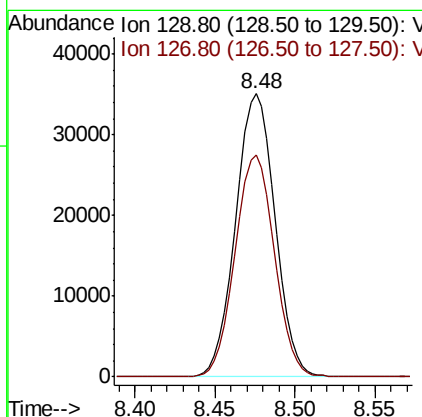
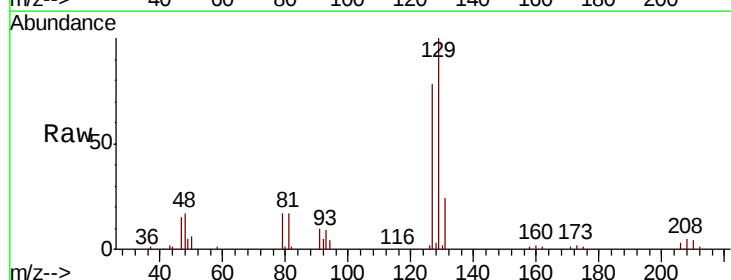
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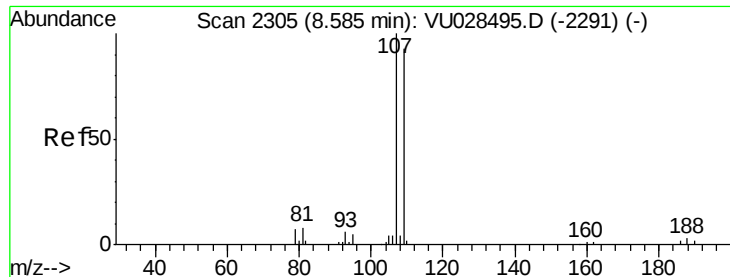
MMDadoda
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#60
Dibromochloromethane
Concen: 49.665 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion: 129 Resp: 58974
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.3





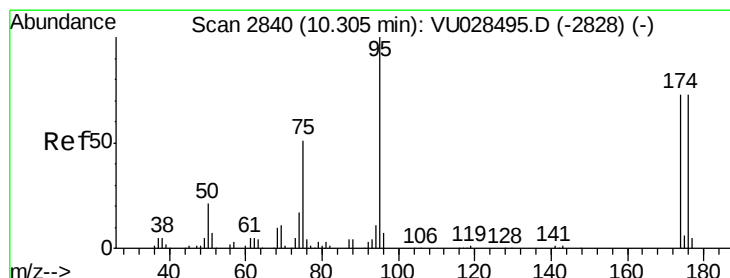
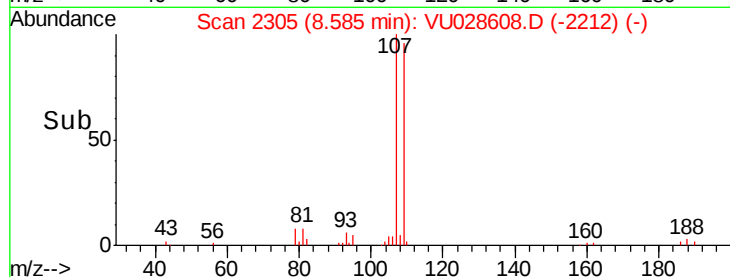
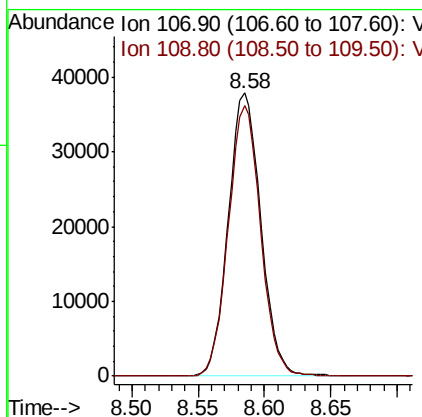
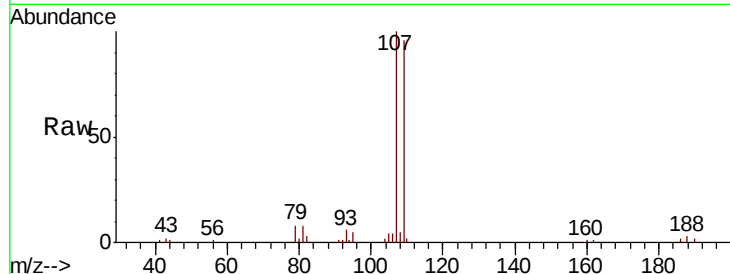
#61
 1,2-Dibromoethane
 Concen: 50.749 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.5	111.7

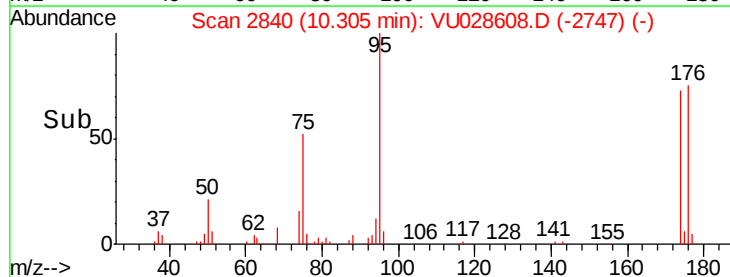
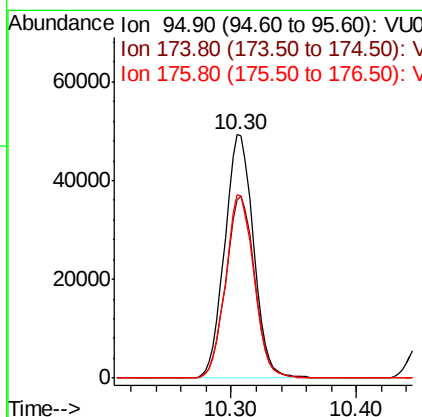
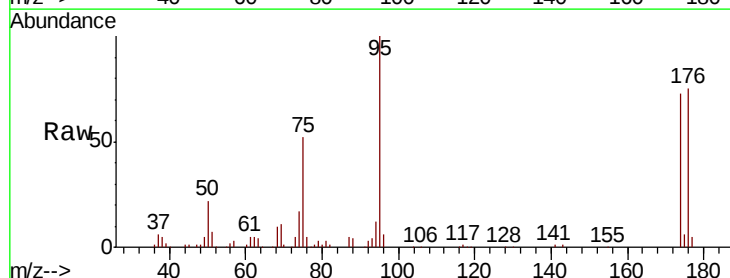
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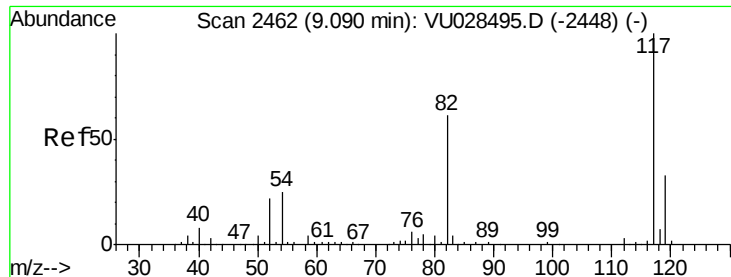
MMDadoda
 12/12/2018 11:48:53 AM



#62
 4-Bromofluorobenzene
 Concen: 52.243 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.4
176	74.3	0.0	145.2





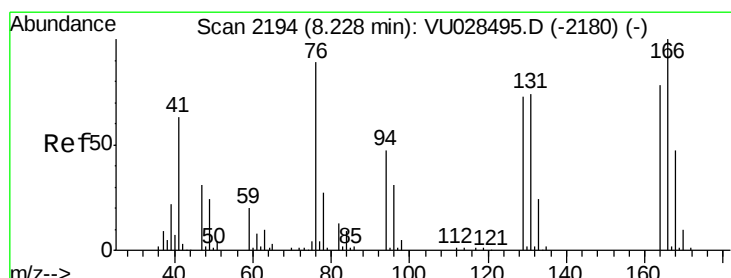
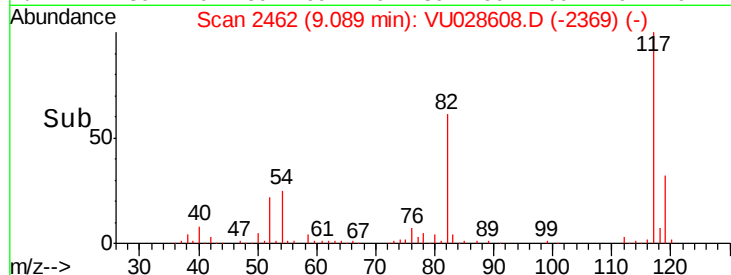
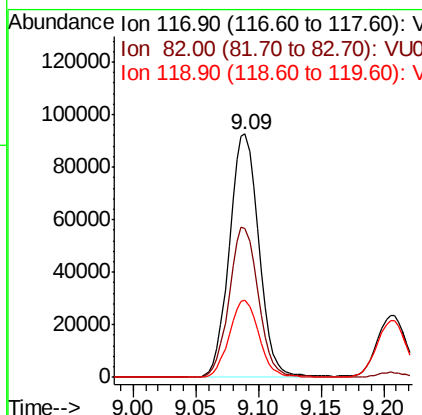
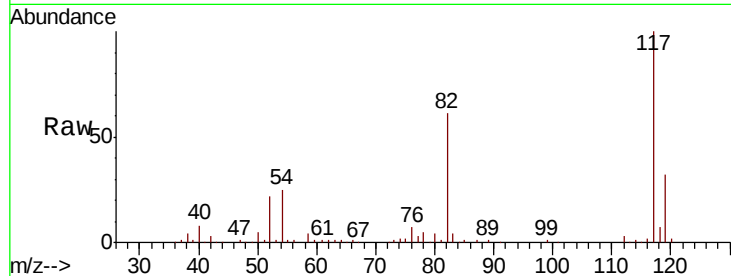
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	48.9	73.3
119	31.6	26.2	39.4

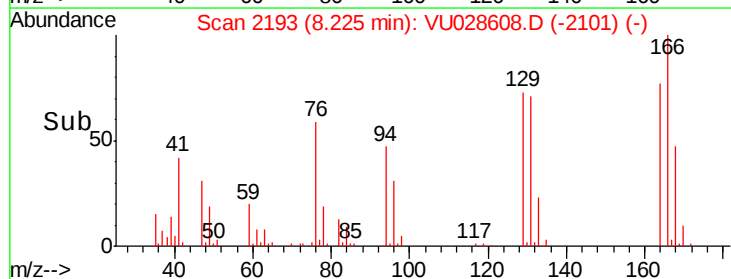
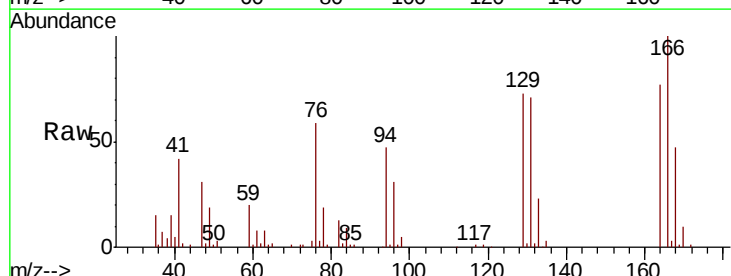
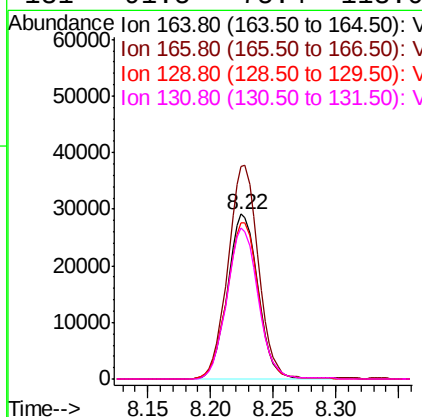
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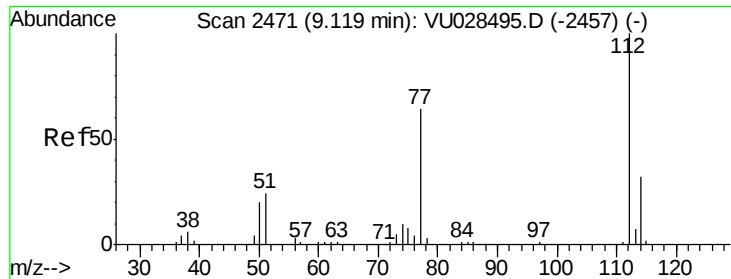
MMDadoda
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#64
Tetrachloroethene
Concen: 49.188 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.9	152.9
129	94.5	74.9	112.3
131	91.5	75.4	113.0





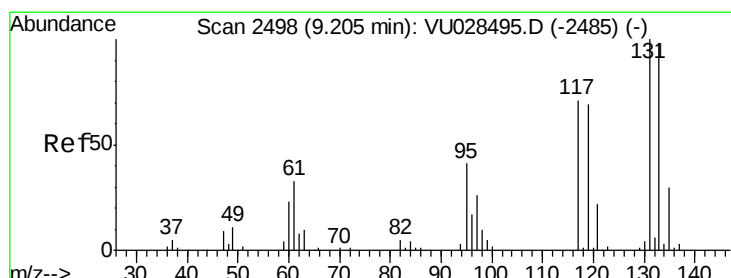
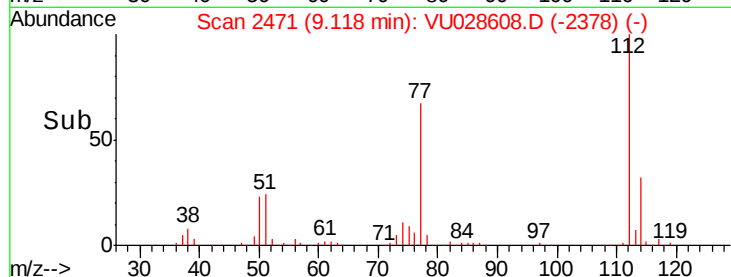
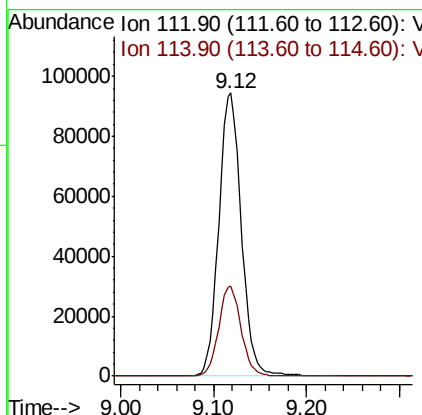
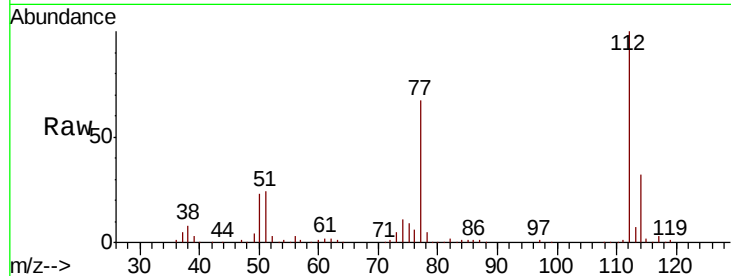
#65
Chlorobenzene
Concen: 49.442 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 159378
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

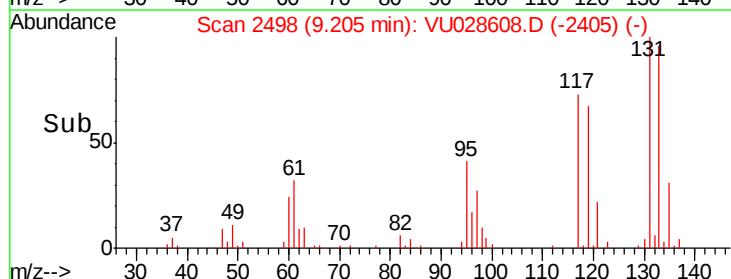
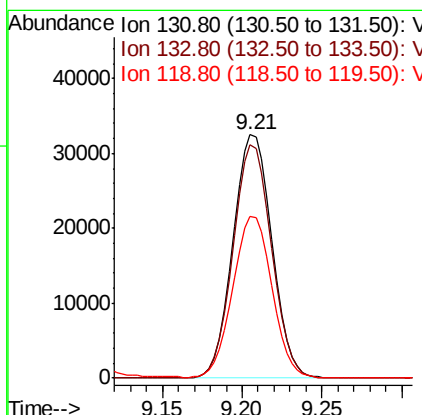
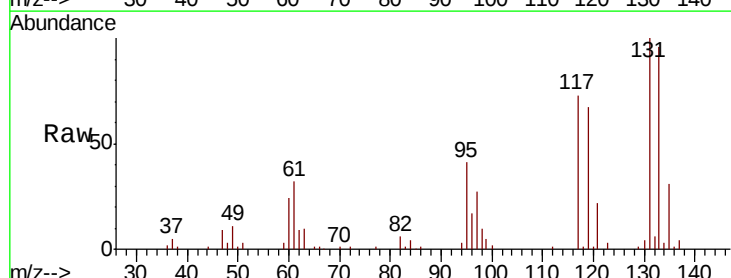
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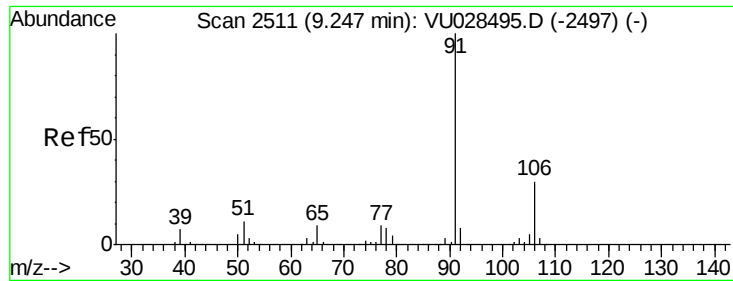
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.333 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion:131 Resp: 53870
Ion Ratio Lower Upper
131 100
133 95.0 48.0 144.0
119 67.2 34.6 103.9





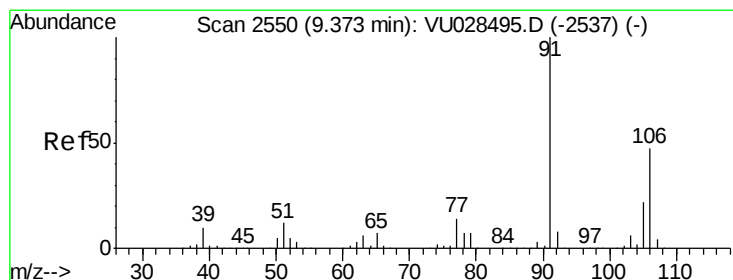
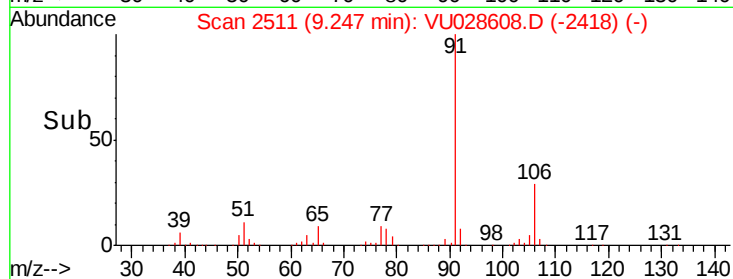
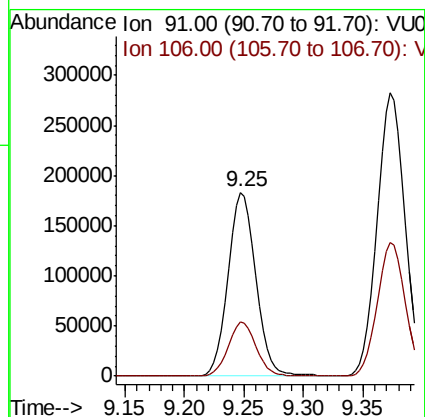
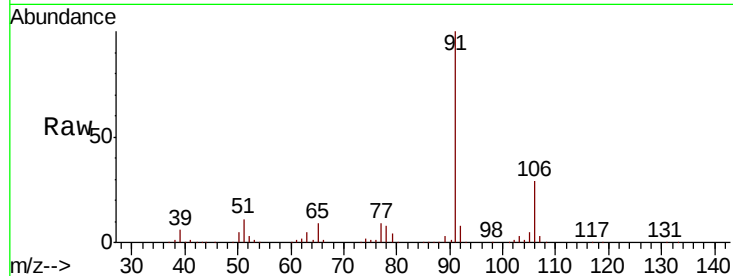
#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 297744
Ion Ratio Lower Upper
91 100
106 29.2 24.1 36.1

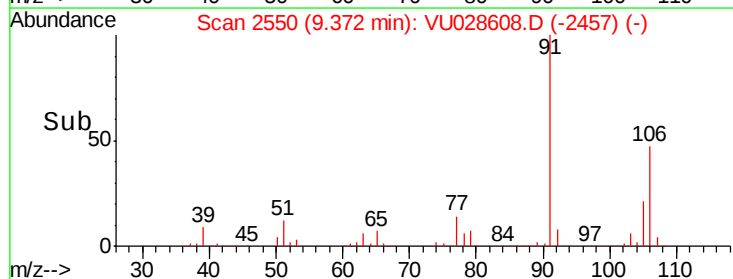
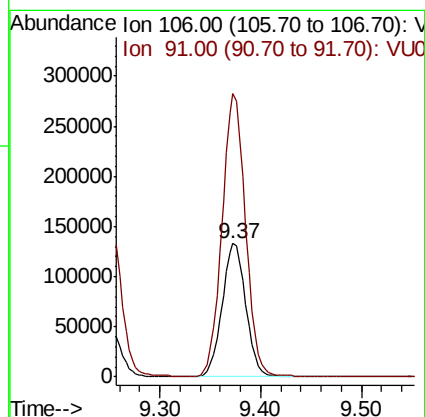
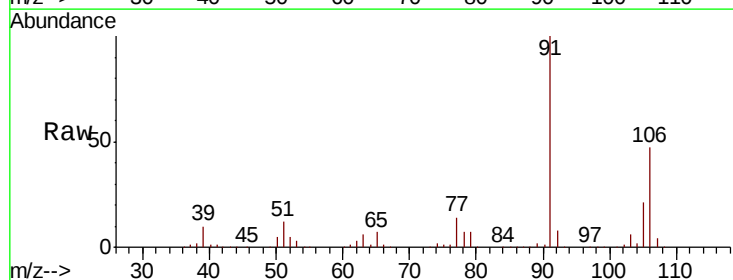
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#68
m/p-Xylenes
Concen: 101.656 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion: 106 Resp: 219196
Ion Ratio Lower Upper
106 100
91 210.8 167.4 251.0





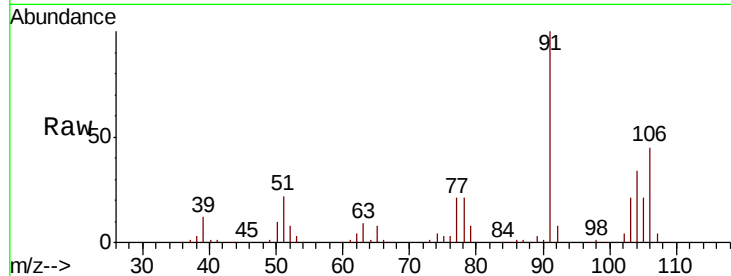
#69
o-Xylene
Concen: 50.855 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

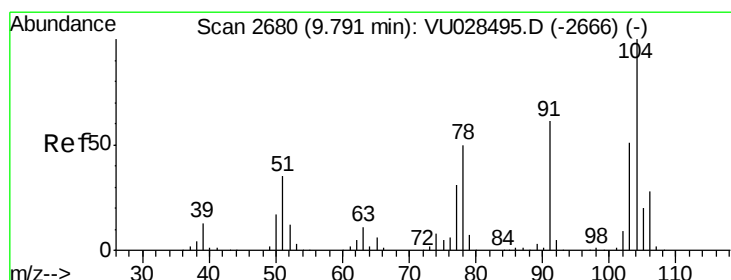
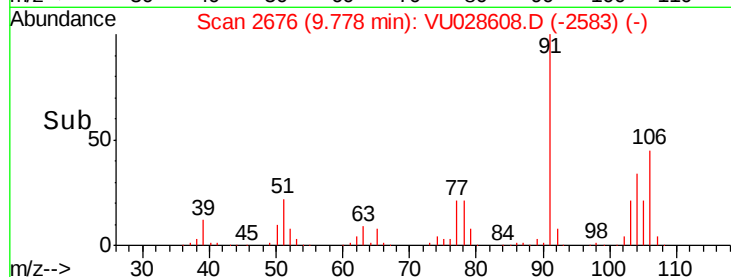
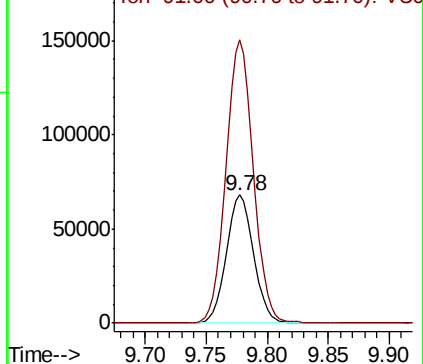
Tot Ion:106 Resp: 106564
Ion Ratio Lower Upper
106 100
91 222.3 111.3 334.0

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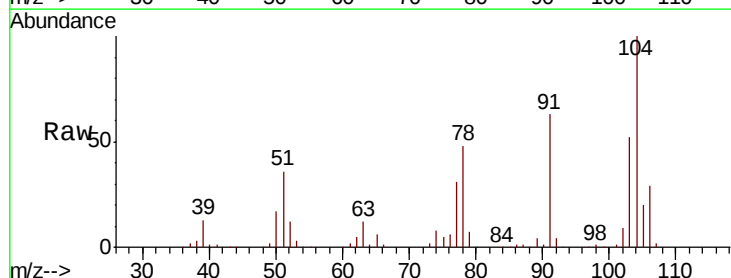


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

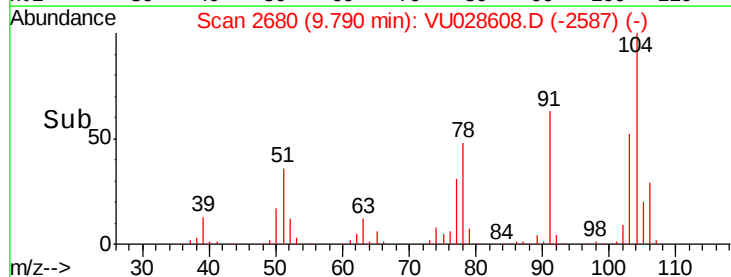
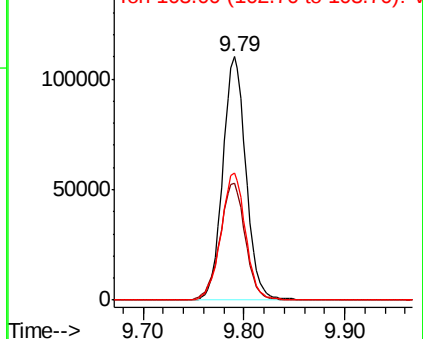


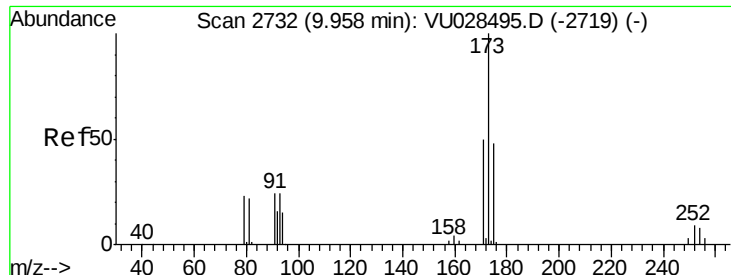
#70
Styrene
Concen: 51.115 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion:104 Resp: 177255
Ion Ratio Lower Upper
104 100
78 52.5 43.0 64.6
103 55.3 44.2 66.4



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





#71

Bromoform

Concen: 51.720 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 45290

Ion Ratio Lower Upper

173 100

175 48.0 23.9 71.8

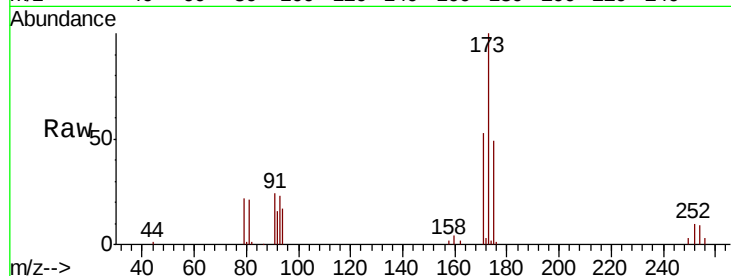
254 0.0 0.0 0.0

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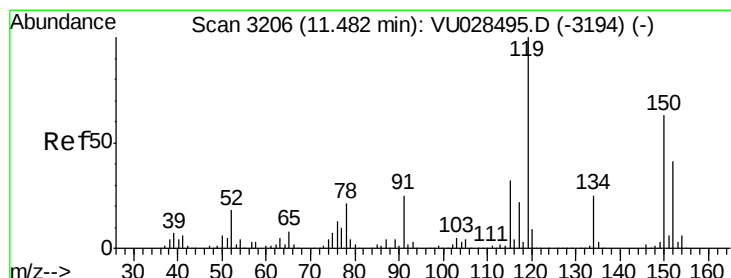
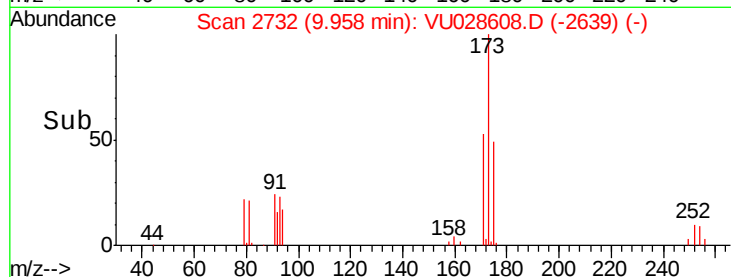
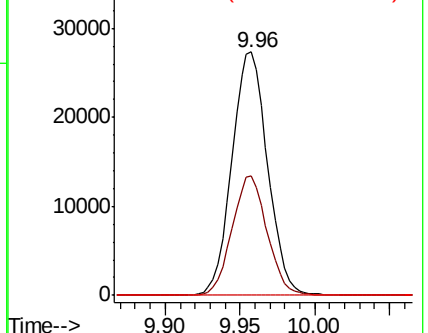
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 3206

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

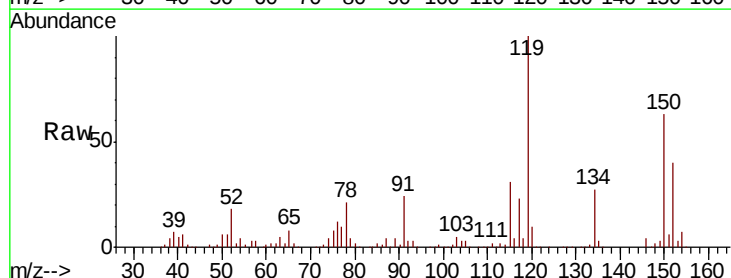
Tgt Ion:152 Resp: 73712

Ion Ratio Lower Upper

152 100

115 86.3 42.7 128.1

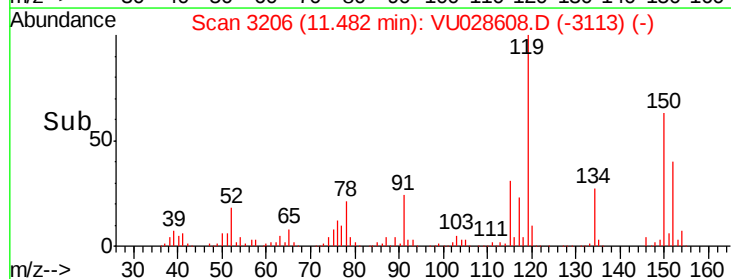
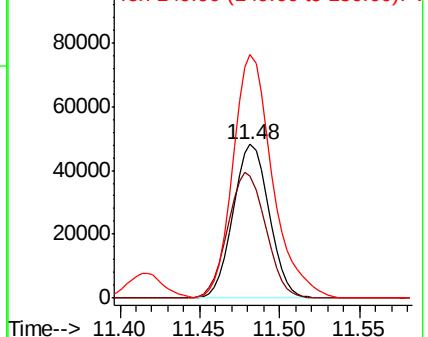
150 172.9 0.0 346.0

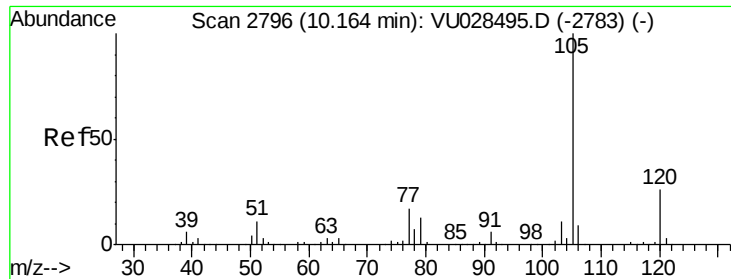


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.745 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 281365

Ion Ratio Lower Upper

105 100

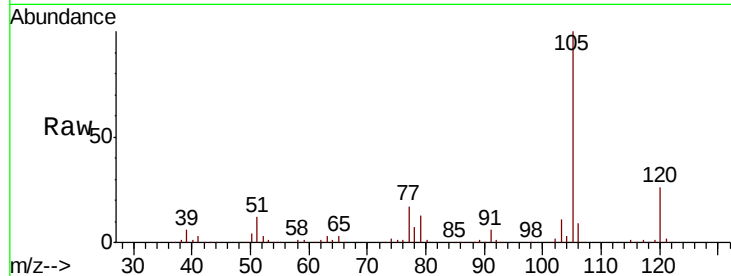
120 25.5 12.9 38.6

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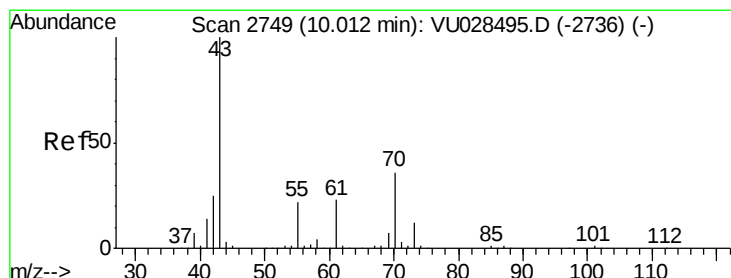
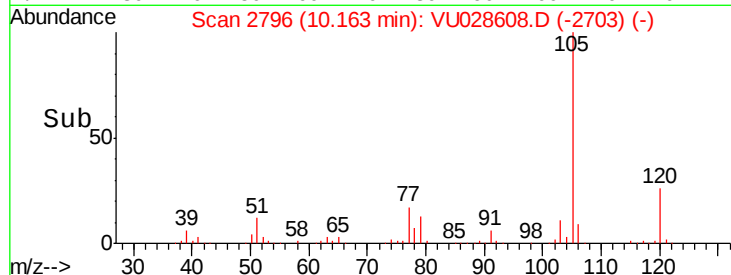
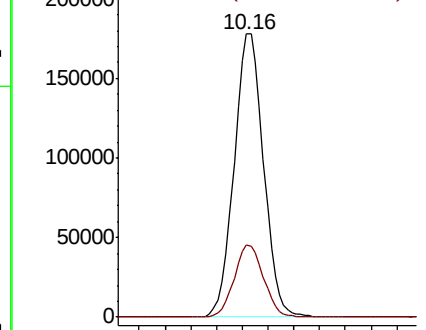
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.791 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion: 43 Resp: 165714

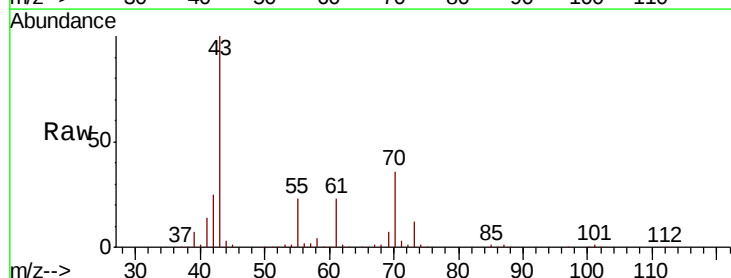
Ion Ratio Lower Upper

43 100

70 36.0 29.3 43.9

55 22.8 18.0 27.0

61 22.8 18.3 27.5

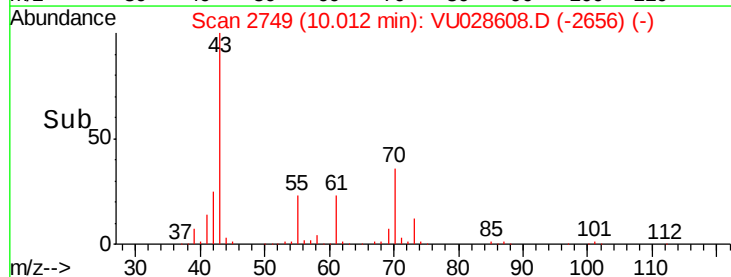
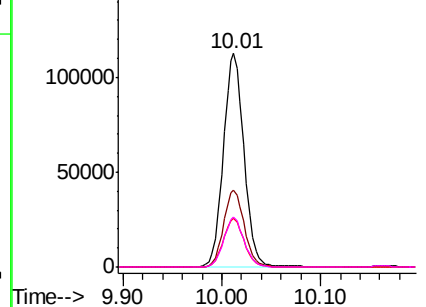


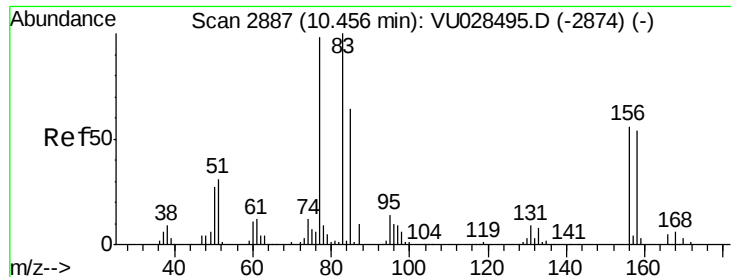
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 50.919 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 110636
Ion Ratio Lower Upper

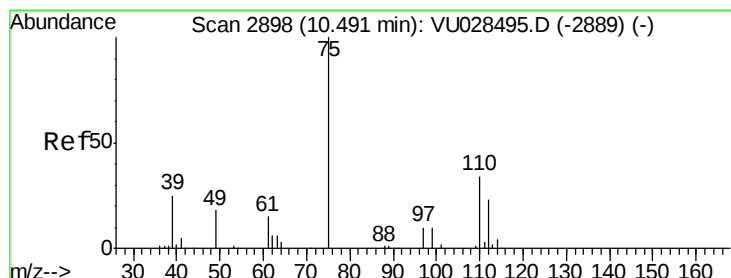
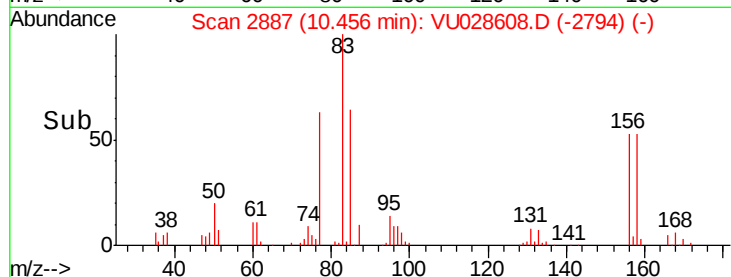
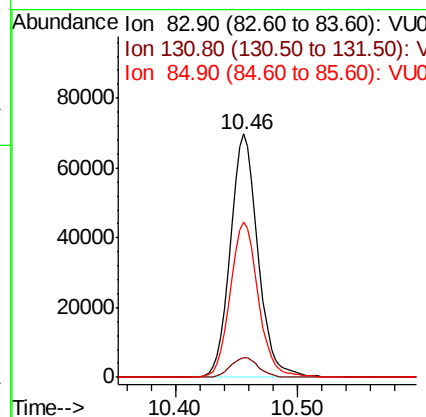
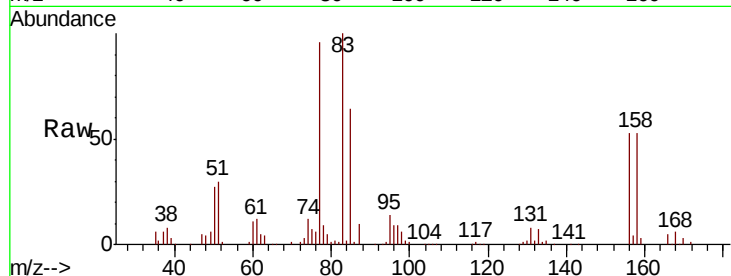
83 100

131 8.2 4.2 12.4

85 65.1 31.8 95.4

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#76

1,2,3-Trichloropropane

Concen: 52.021 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

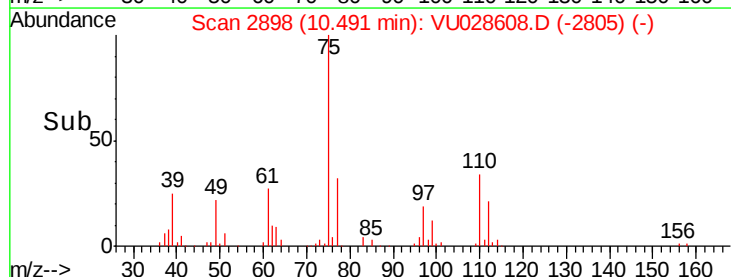
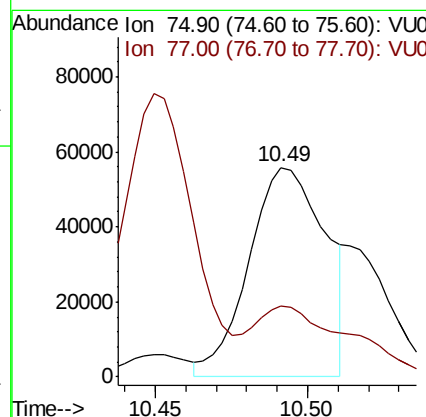
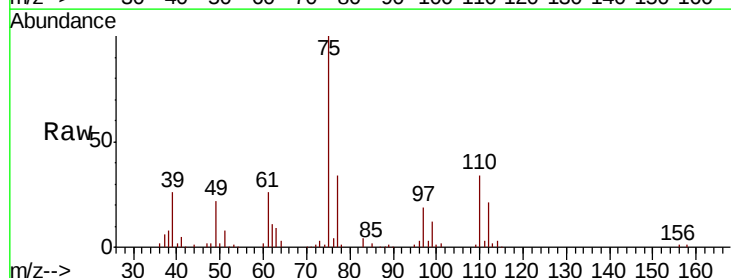
Lab File: VU028608.D

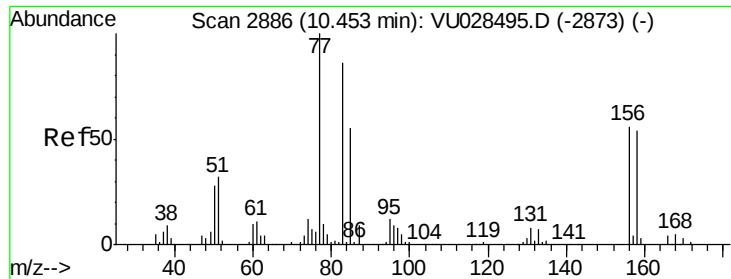
Acq: 11 Dec 2018 15:35

Tgt Ion: 75 Resp: 97917
Ion Ratio Lower Upper

75 100

77 41.8 20.8 62.4





#77

Bromobenzene

Concen: 50.356 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

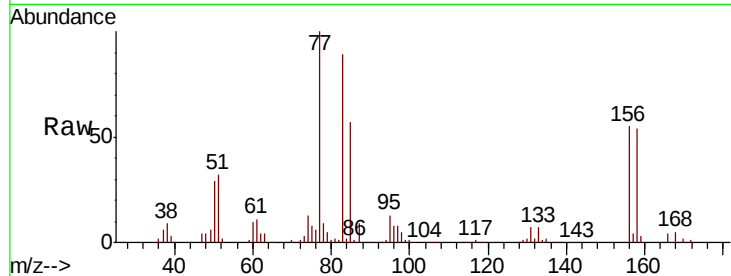
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.8	92.4	277.2
158	96.9	48.4	145.3

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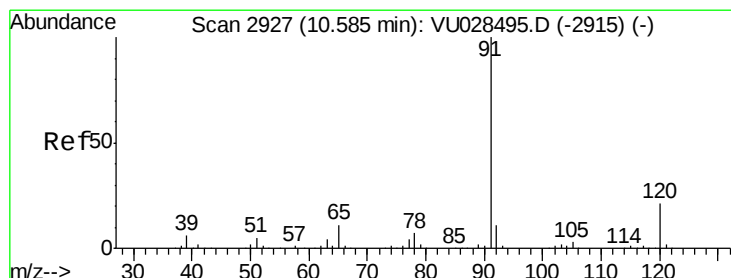
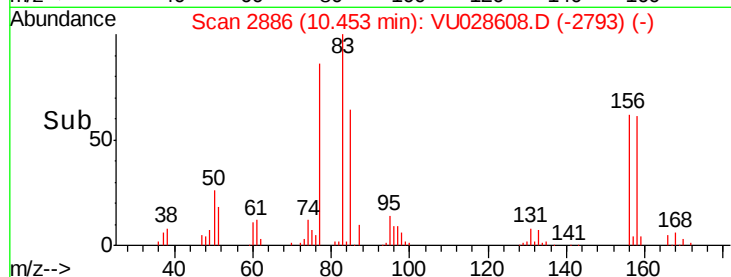
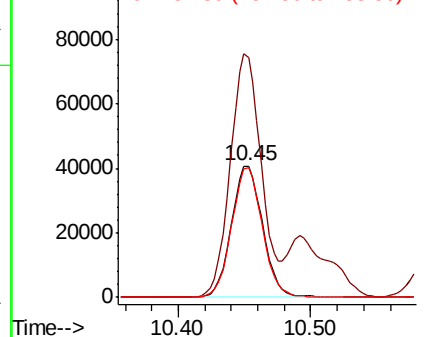


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.969 ug/l

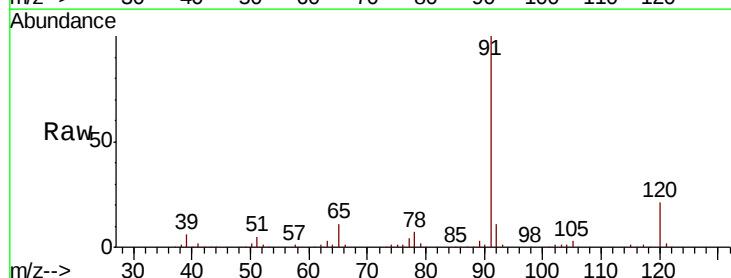
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

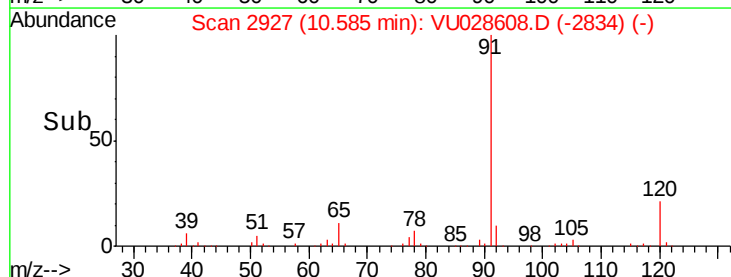
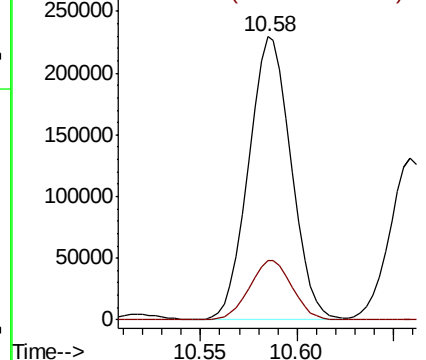
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.6	31.8

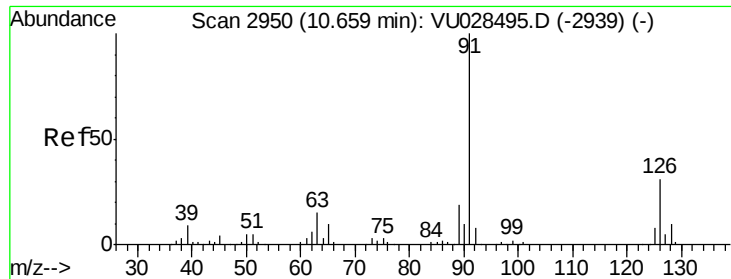


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.184 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 203171

Ion Ratio Lower Upper

91 100

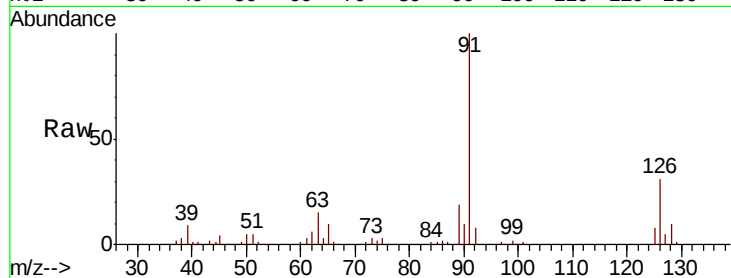
126 31.7 15.6 46.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

250000

200000

150000

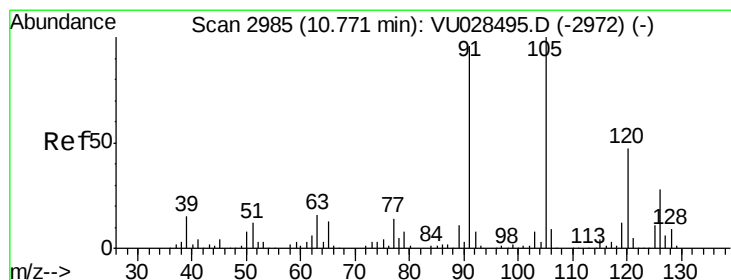
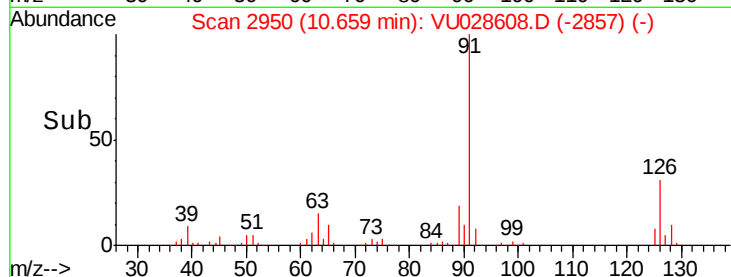
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.075 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028608.D

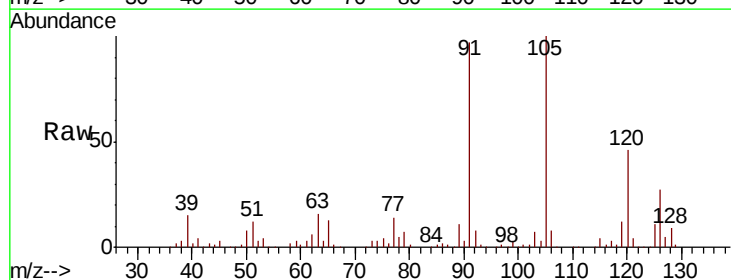
Acq: 11 Dec 2018 15:35

Tgt Ion: 105 Resp: 239134

Ion Ratio Lower Upper

105 100

120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

150000

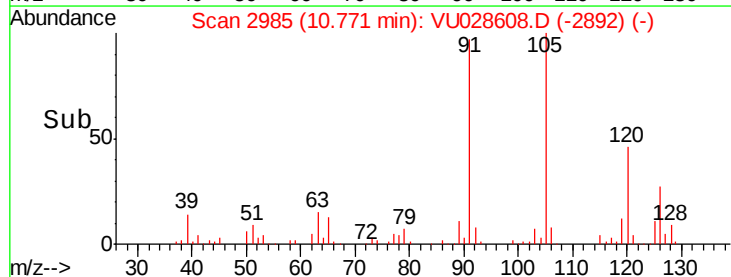
100000

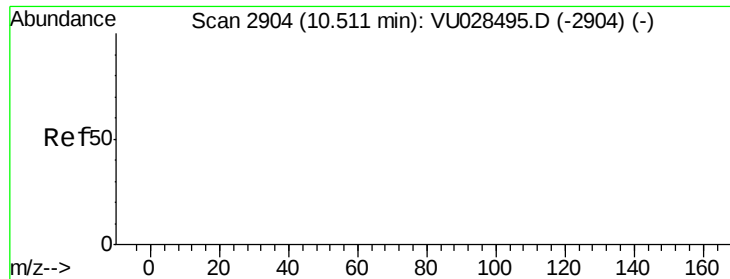
50000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.505 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

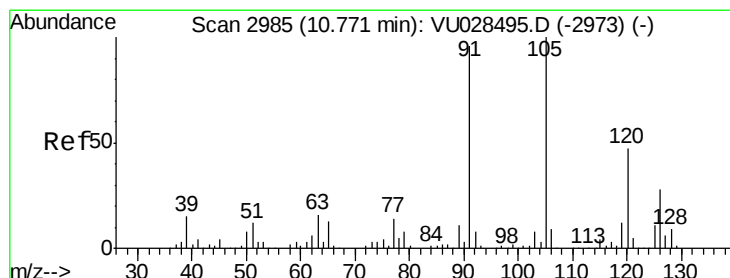
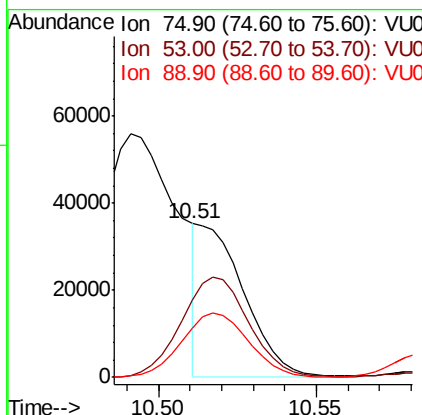
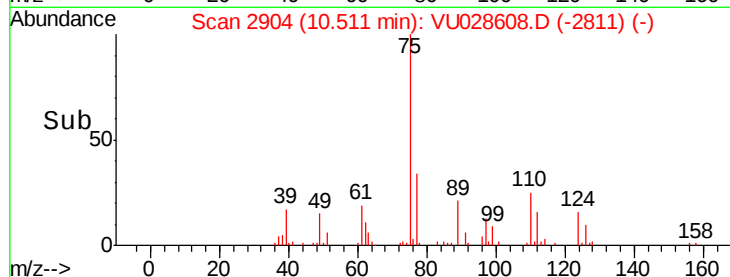
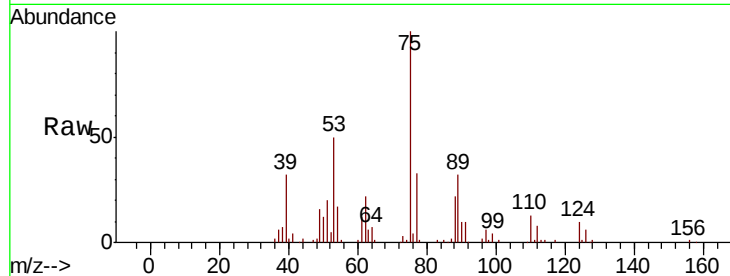
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

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

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#82

4-Chlorotoluene

Concen: 49.199 ug/l

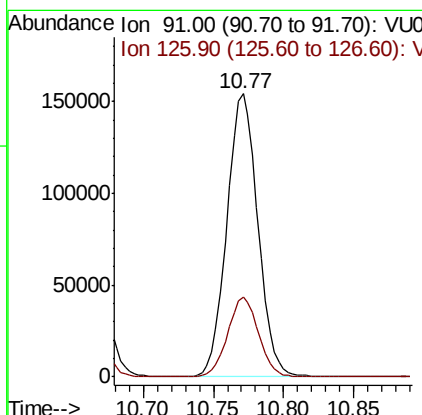
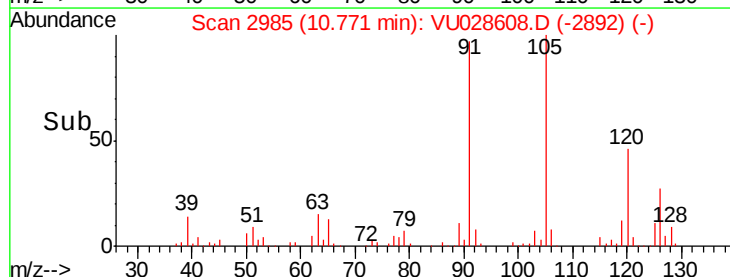
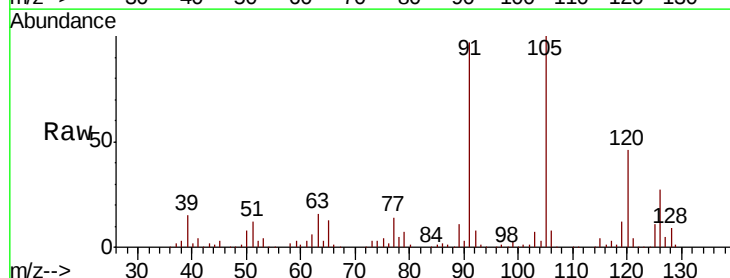
RT: 10.77 min Scan# 2985

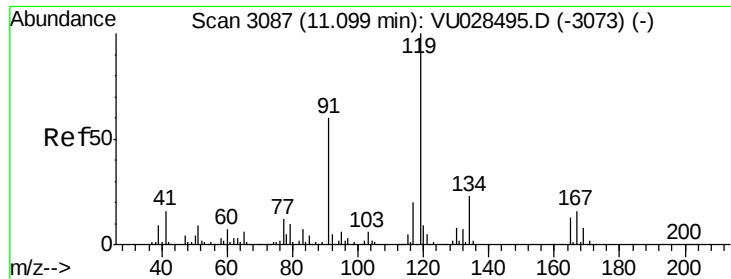
Delta R.T. -0.00 min

Lab File: VU028608.D

Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.3





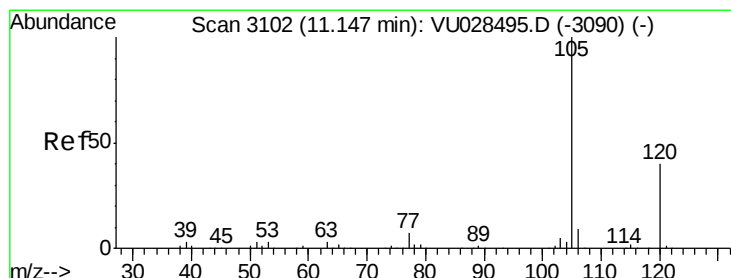
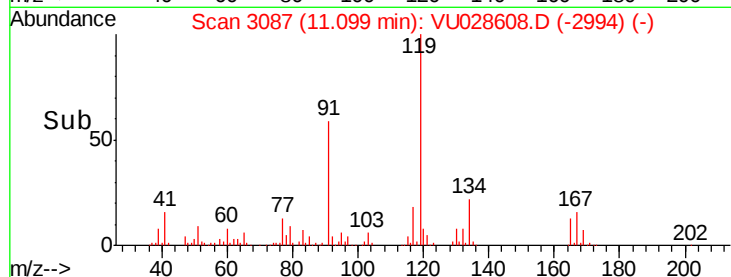
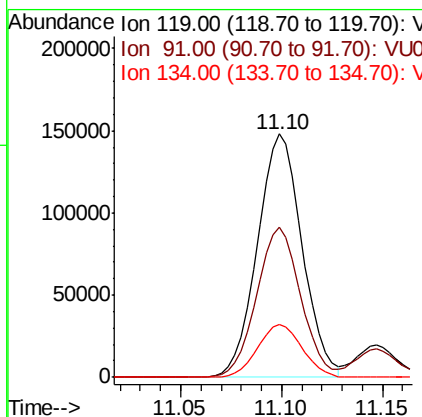
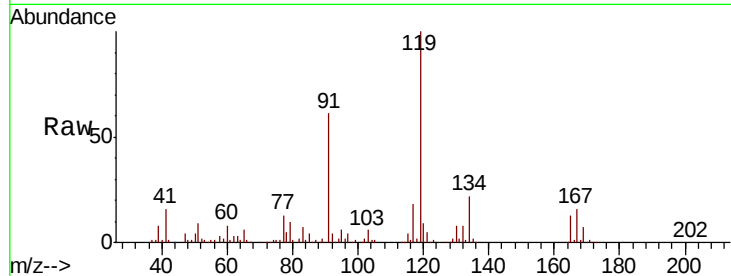
#83
tert-Butylbenzene
Concen: 50.619 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228435		
91	60.8		30.3	91.0
134	21.8		11.2	33.5

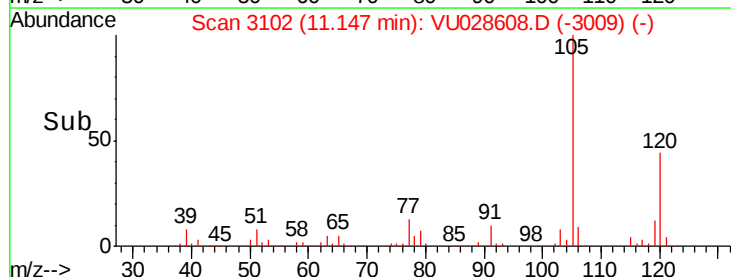
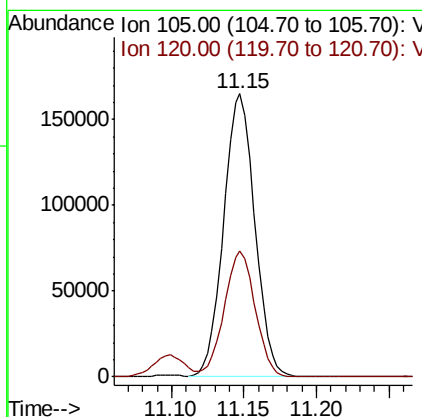
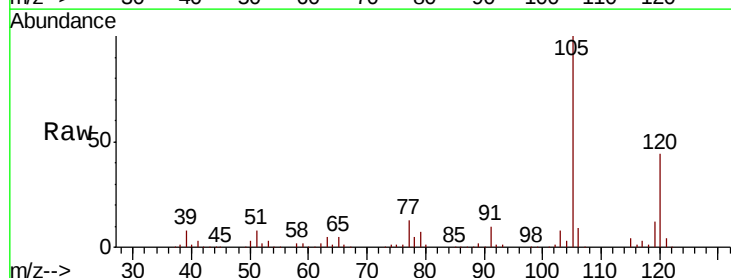
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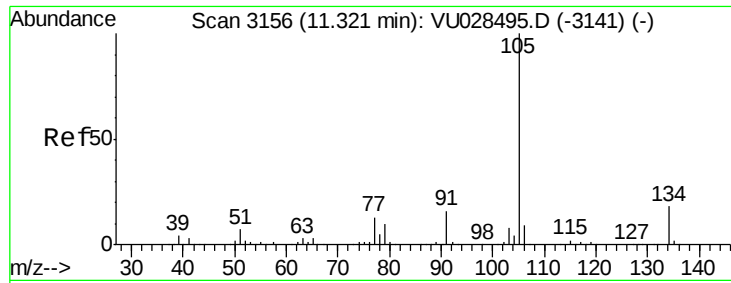
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#84
1,2,4-Trimethylbenzene
Concen: 50.874 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	245477		
120	44.2		21.8	65.4





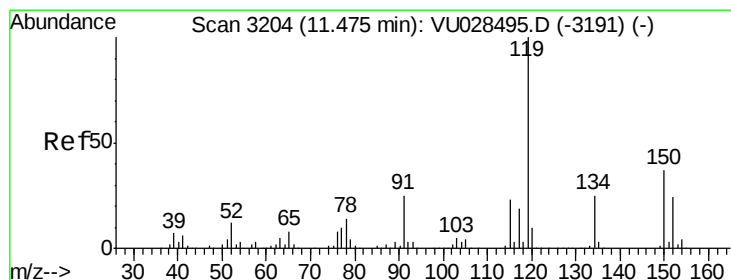
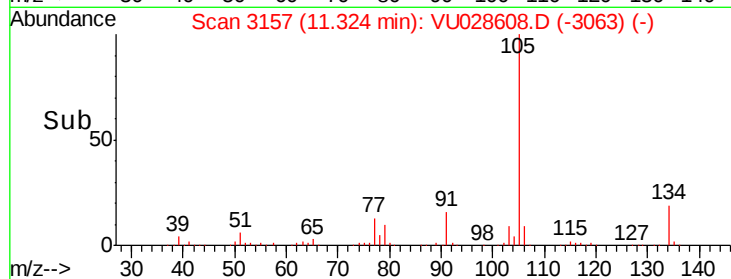
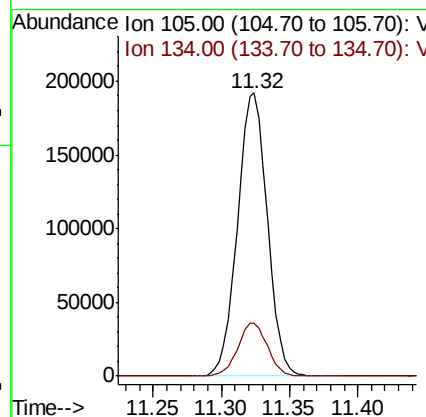
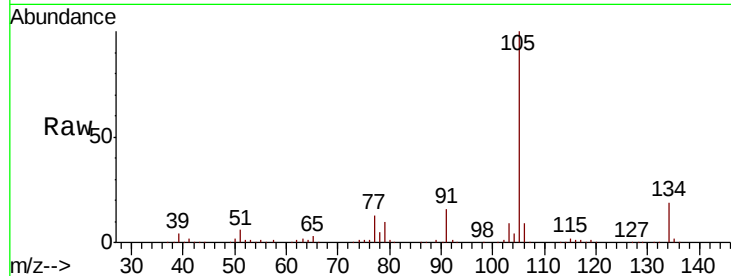
#85
 sec-Butylbenzene
 Concen: 50.213 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.2	27.6

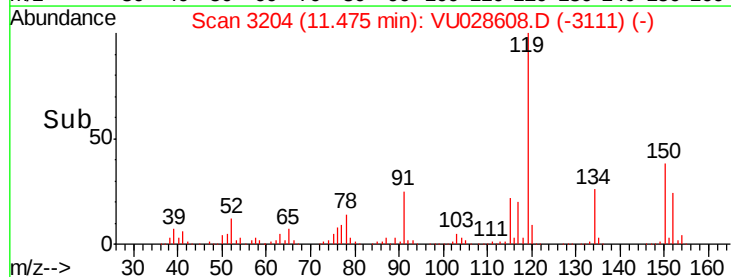
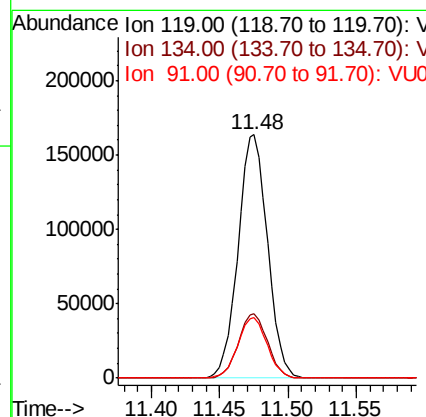
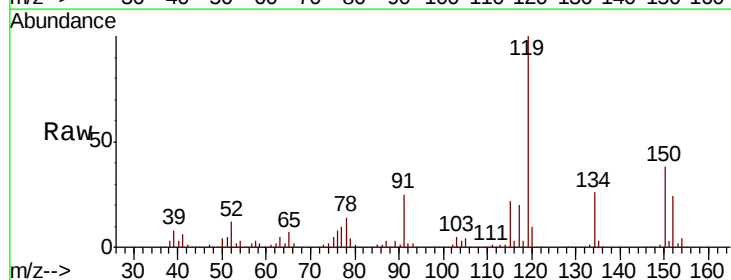
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 49.704 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.7	38.1
91	24.9	12.6	37.6





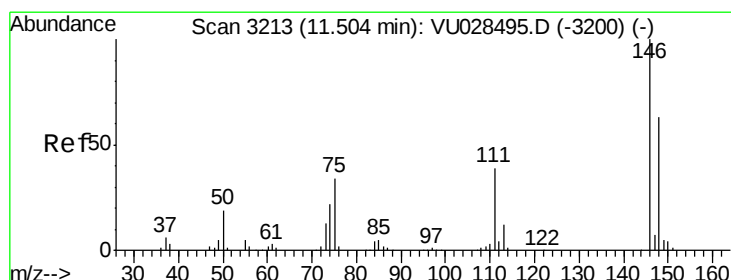
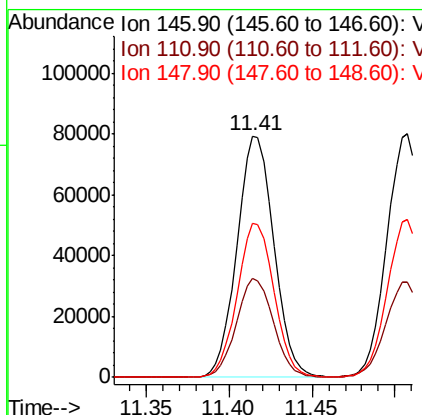
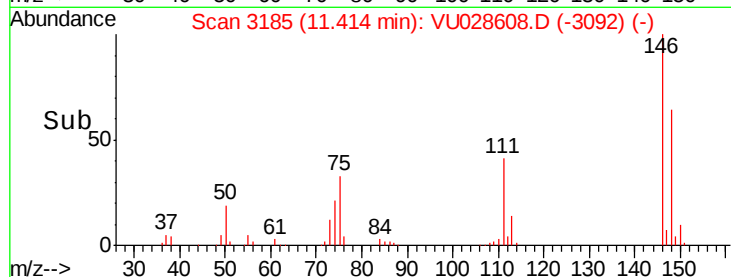
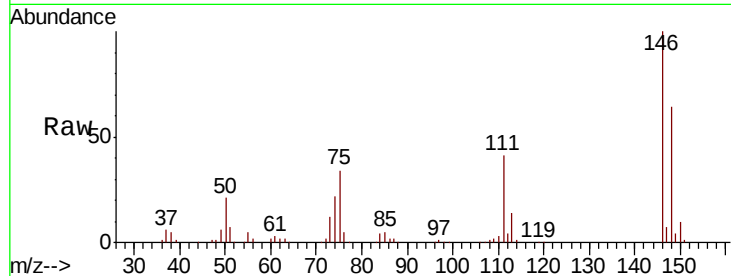
#87
 1,3-Dichlorobenzene
 Concen: 49.279 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.7	31.9	95.7

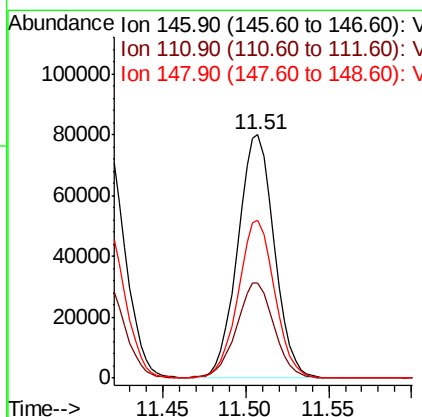
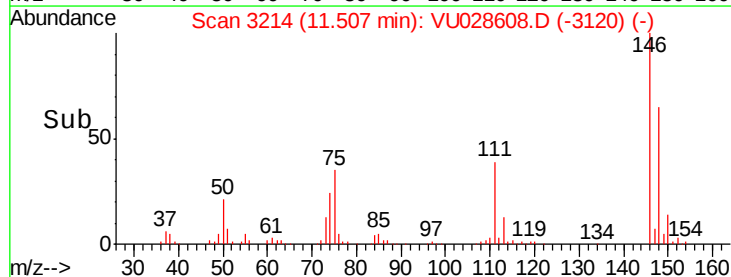
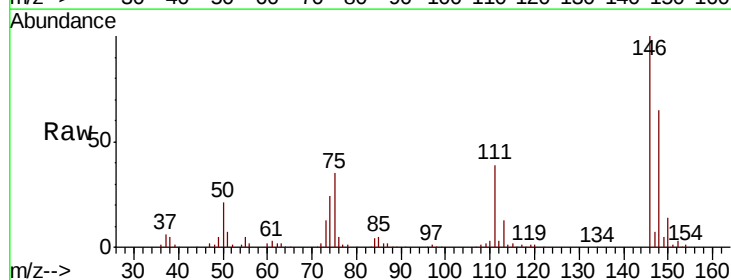
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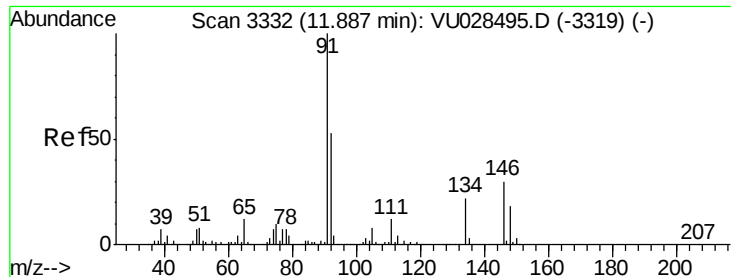
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#88
 1,4-Dichlorobenzene
 Concen: 47.172 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.5
148	65.2	31.6	95.0





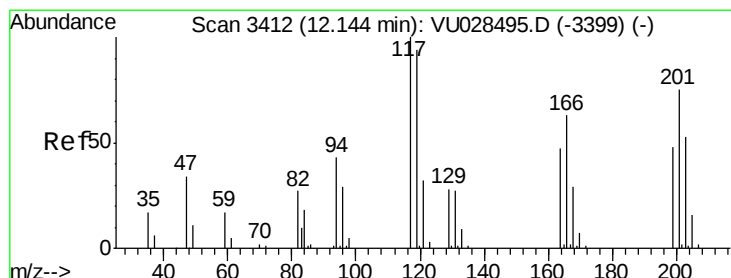
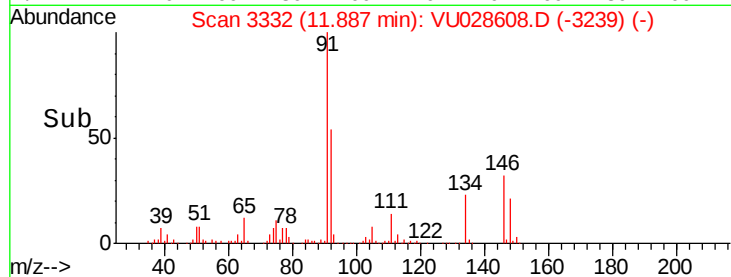
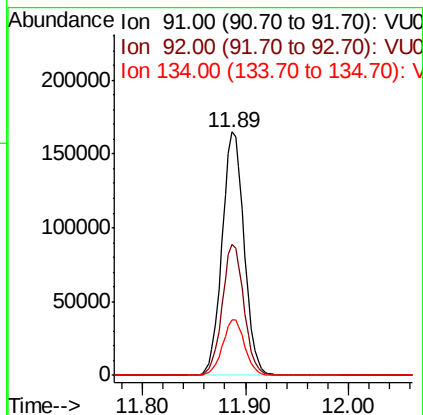
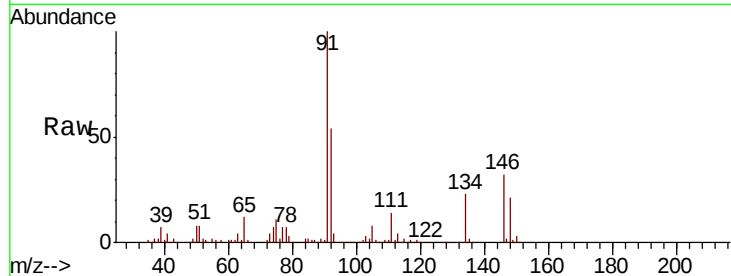
#89
n-Butylbenzene
Concen: 49.184 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.9
134	22.8	11.3	33.8

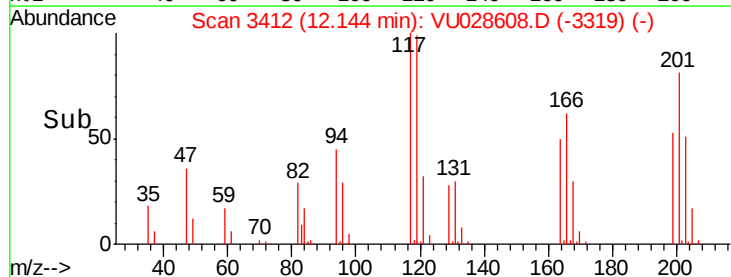
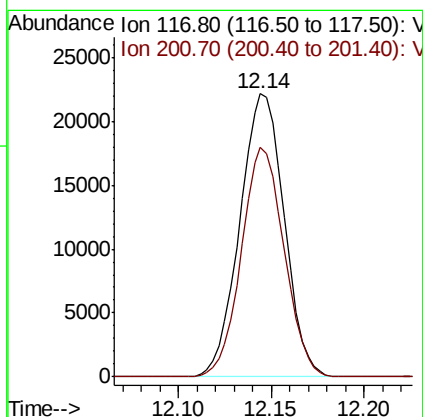
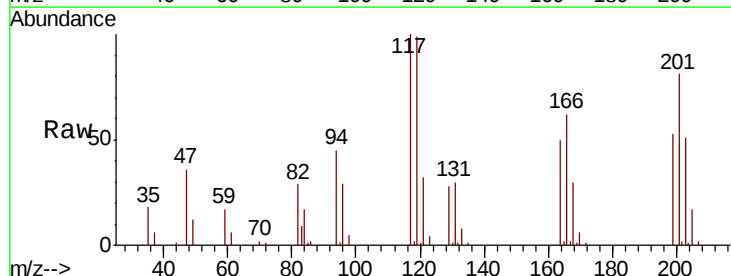
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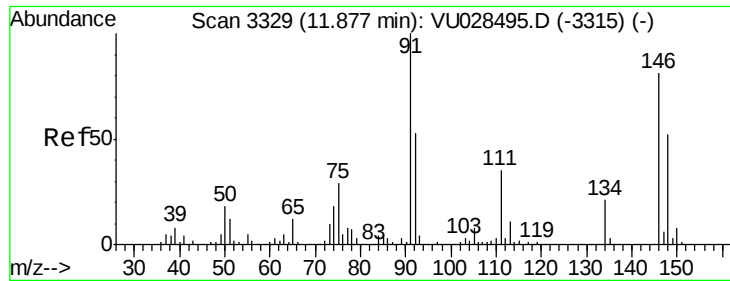
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#90
Hexachloroethane
Concen: 49.297 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	38.1	114.5





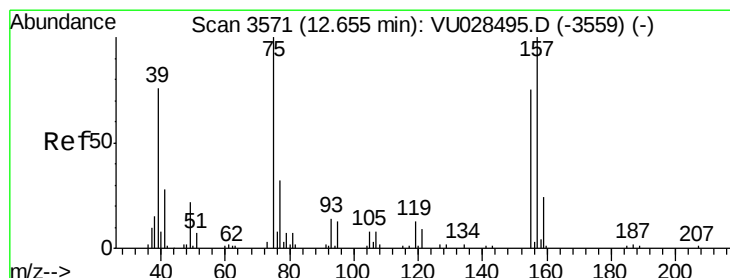
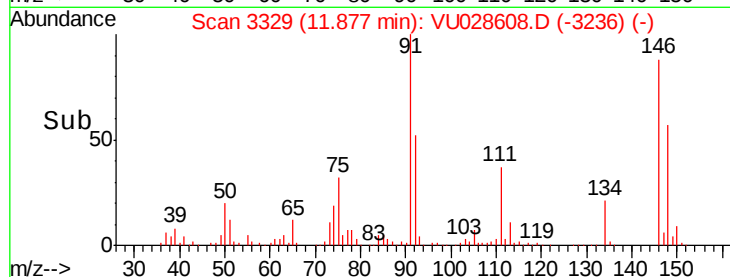
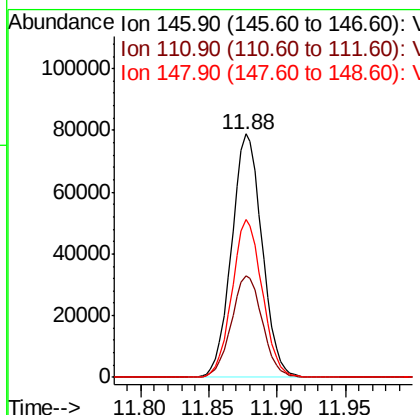
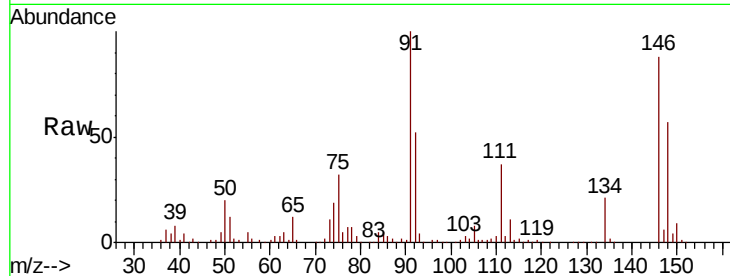
#91
 1,2-Dichlorobenzene
 Concen: 48.942 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	64.4	31.4	94.2

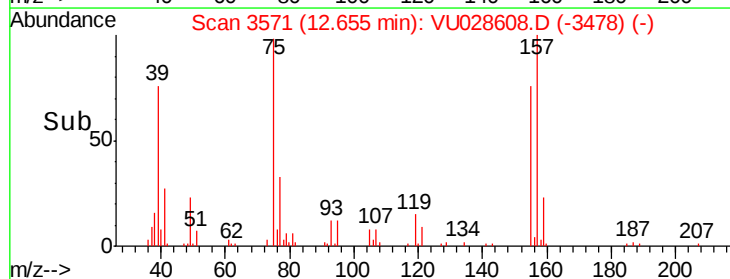
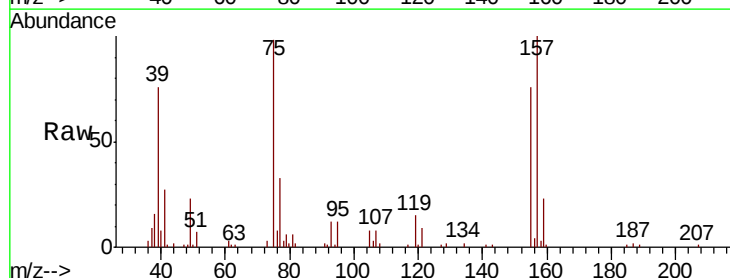
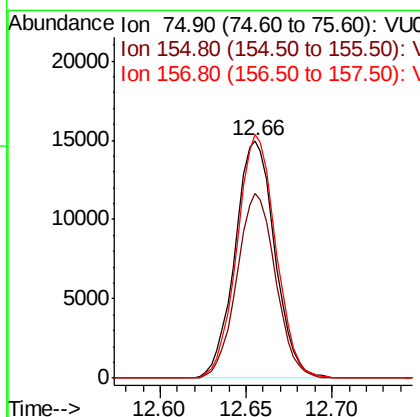
Manual Integrations
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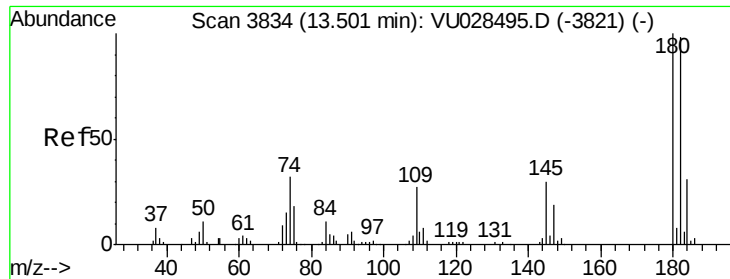
MMDadoda
 12/12/2018 11:48:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.299 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	38.1	114.5
157	99.7	48.7	146.1





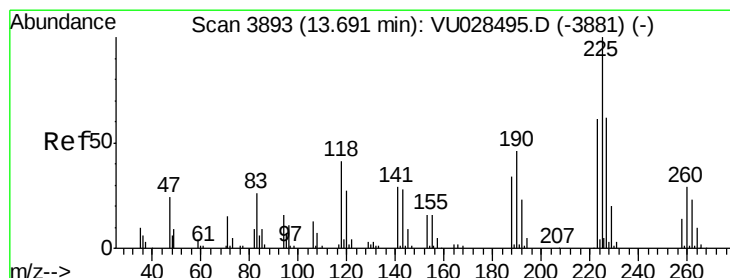
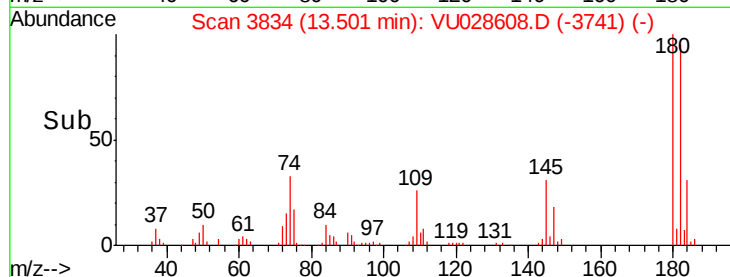
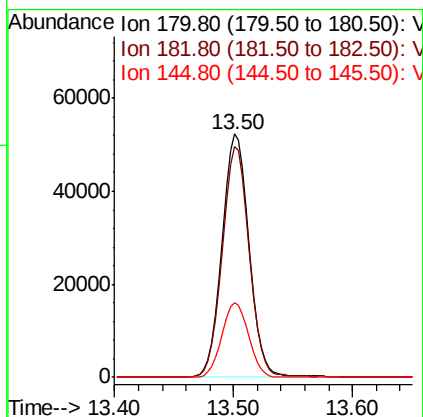
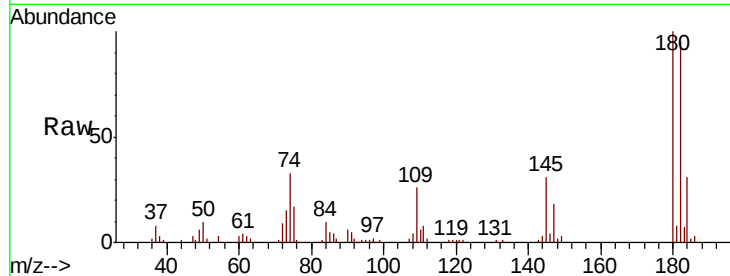
#93
 1,2,4-Trichlorobenzene
 Concen: 48.149 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82614		
182	94.4	47.9	143.8	
145	30.4	15.0	45.1	

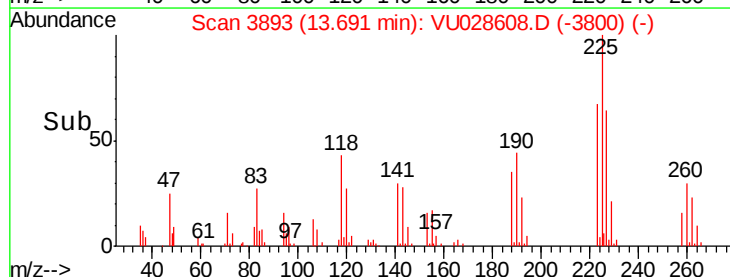
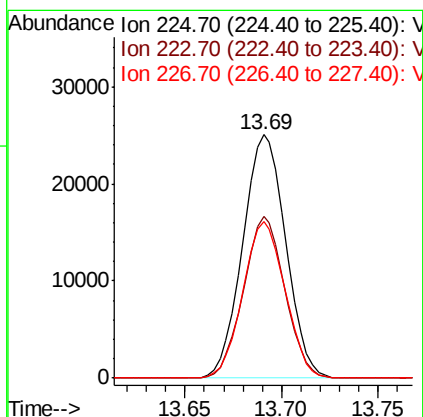
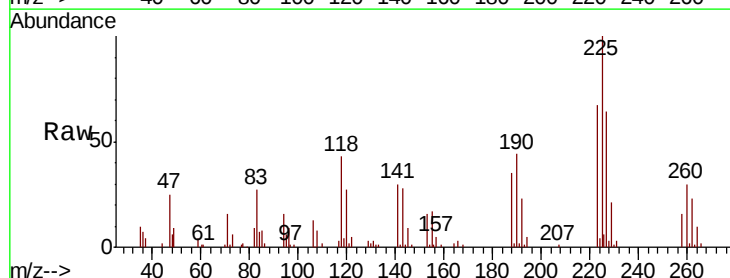
Manual Integrations
 APPROVED

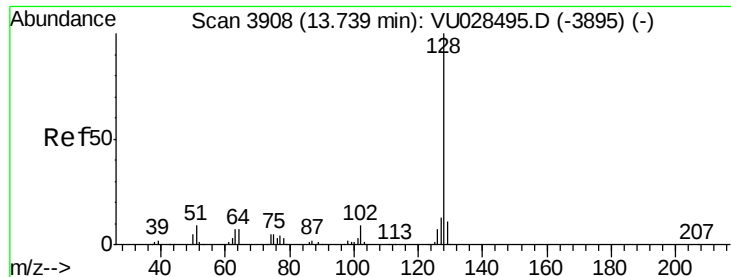
MMDadoda
 12/12/2018 11:48:53 AM



#94
 Hexachlorobutadiene
 Concen: 47.492 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028608.D
 Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38870		
223	63.8	30.4	91.2	
227	63.0	30.7	92.1	





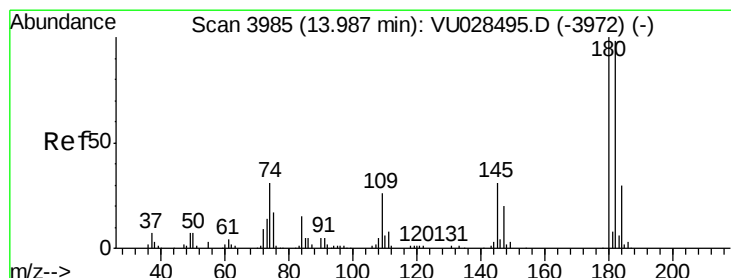
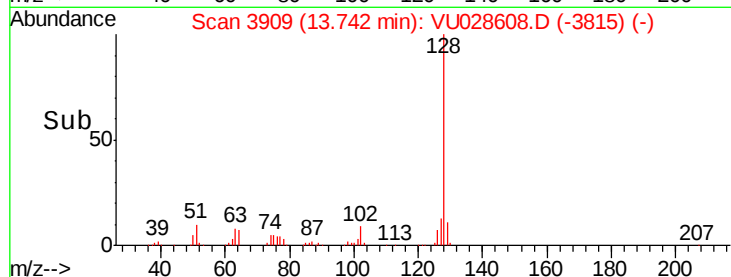
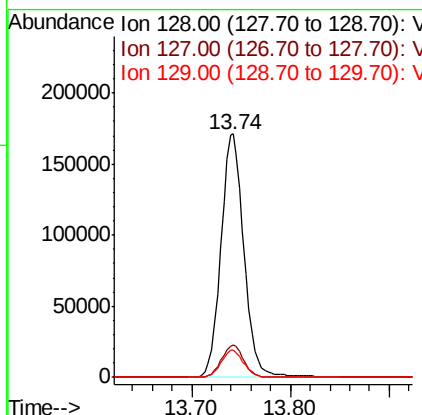
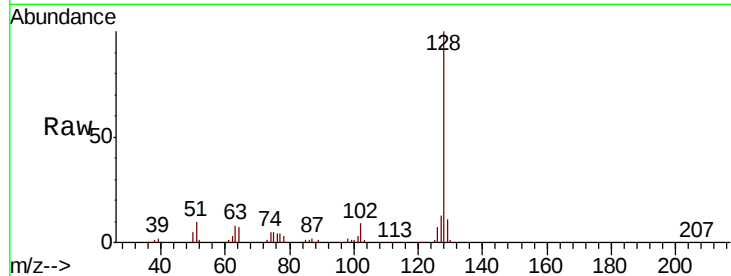
#95
Naphthalene
Concen: 46.680 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:48:53 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.663 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028608.D
Acq: 11 Dec 2018 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.2	144.6
145	32.2	15.8	47.3

