

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027311.D
 Acq On : 01 Oct 2018 10:07
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:40 AM

Quant Time: Oct 02 01:48:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	113142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193354	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	75584	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	2359	1.31	ug/l	0.00
Spiked Amount			Recovery	=	2.62%	
35) Dibromofluoromethane	4.89	113	1597	1.26	ug/l	0.00
Spiked Amount			Recovery	=	2.52%	
50) Toluene-d8	7.57	98	4962	1.00	ug/l	0.00
Spiked Amount			Recovery	=	2.00%	
62) 4-Bromofluorobenzene	10.31	95	1989	1.10	ug/l	0.00
Spiked Amount			Recovery	=	2.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	1300	0.797	ug/l	99
3) Chloromethane	1.33	50	2233	1.011	ug/l	93
4) Vinyl Chloride	1.41	62	1851	0.892	ug/l #	89
5) Bromomethane	1.63	94	848	0.944	ug/l	87
6) Chloroethane	1.70	64	1445	1.158	ug/l	98
7) Trichlorofluoromethane	1.89	101	1944	0.923	ug/l	93
8) Diethyl Ether	2.11	74	916	0.944	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1106	0.904	ug/l	96
12) 1,1-Dichloroethene	2.29	96	1117	0.935	ug/l	99
14) Allyl chloride	2.59	41	2561	0.902	ug/l	95
15) Acrylonitrile	2.94	53	4947	4.777	ug/l	94
16) Acetone	2.32	43	6833	6.122	ug/l	98
17) Carbon Disulfide	2.48	76	4377	1.015	ug/l	100
18) Methyl Acetate	2.62	43	2920	1.147	ug/l #	91
19) Methyl tert-butyl Ether	3.00	73	4538	0.948	ug/l	99
20) Methylene Chloride	2.70	84	1652	1.063	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	1257	0.937	ug/l	88
22) Diisopropyl ether	3.57	45	5157	0.894	ug/l #	79
23) Vinyl Acetate	3.53	43	22464	4.459	ug/l	96
24) 1,1-Dichloroethane	3.45	63	2701	0.911	ug/l #	92
25) 2-Butanone	4.27	43	6905	4.537	ug/l	94
26) 2,2-Dichloropropane	4.23	77	2508	1.029	ug/l #	74
27) cis-1,2-Dichloroethene	4.23	96	1542	1.005	ug/l	91
28) Bromochloromethane	4.56	49	1387	0.969	ug/l #	94
29) Tetrahydrofuran	4.65	42	4431	4.620	ug/l	98
30) Chloroform	4.68	83	2526	0.959	ug/l	98
31) Cyclohexane	4.99	56	5562	1.604	ug/l #	56
32) 1,1,1-Trichloroethane	4.92	97	2036	0.918	ug/l #	53
36) 1,1-Dichloropropene	5.14	75	2042	0.973	ug/l #	84
37) Ethyl Acetate	4.39	43	2779m	1.073	ug/l	
38) Carbon Tetrachloride	5.13	117	1772	0.934	ug/l	96
39) Methylcyclohexane	6.41	83	2195	0.894	ug/l	91
40) Benzene	5.39	78	5902	0.965	ug/l	93
41) Methacrylonitrile	4.55	41	1426	0.930	ug/l #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.41	62	2105	0.927	ug/l #	76
43) Isopropyl Acetate	5.56	43	3608	0.856	ug/l #	92
44) Trichloroethene	6.19	130	1342	0.984	ug/l	89
45) 1,2-Dichloropropane	6.43	63	1618	0.917	ug/l	99
46) Dibromomethane	6.56	93	846	0.849	ug/l	99
47) Bromodichloromethane	6.76	83	1893	0.916	ug/l #	95
48) Methyl methacrylate	6.63	41	1728	0.825	ug/l #	87
49) 1,4-Dioxane	6.63	88	548	15.199	ug/l #	90
51) 4-Methyl-2-Pentanone	7.46	43	11175	4.081	ug/l	95
52) Toluene	7.64	92	3243	0.896	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	1956	0.807	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	2181	0.837	ug/l	90
55) 1,1,2-Trichloroethane	8.07	97	1292	0.900	ug/l	93
56) Ethyl methacrylate	8.03	69	1590	0.668	ug/l	86
57) 1,3-Dichloropropane	8.24	76	2573	0.924	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	4657	3.500	ug/l	92
59) 2-Hexanone	8.37	43	8677	4.085	ug/l	93
60) Dibromochloromethane	8.48	129	1188	0.825	ug/l	91
61) 1,2-Dibromoethane	8.59	107	1404	0.920	ug/l	99
64) Tetrachloroethene	8.23	164	1047	0.964	ug/l	87
65) Chlorobenzene	9.12	112	3588	0.977	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	1129	0.890	ug/l #	65
67) Ethyl Benzene	9.25	91	5835	0.896	ug/l	100
68) m/p-Xylenes	9.38	106	4089	1.717	ug/l	98
69) o-Xylene	9.78	106	1742	0.770	ug/l	89
70) Styrene	9.80	104	2828	0.761	ug/l	98
71) Bromoform	9.96	173	854	0.837	ug/l #	91
73) Isopropylbenzene	10.17	105	4915	0.895	ug/l	93
74) N-amyl acetate	10.02	43	2689	0.856	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	10.46	83	2097	0.973	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	1857m	0.881	ug/l	
77) Bromobenzene	10.46	156	1244	0.975	ug/l	93
78) n-propylbenzene	10.59	91	5756	0.873	ug/l	96
79) 2-Chlorotoluene	10.66	91	3806	0.956	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	3715	0.831	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.51	75	746m	0.912	ug/l	
82) 4-Chlorotoluene	10.77	91	3985	0.882	ug/l	96
83) tert-Butylbenzene	11.10	119	3610	0.836	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	3771	0.826	ug/l	95
85) sec-Butylbenzene	11.33	105	4363	0.801	ug/l	95
86) p-Isopropyltoluene	11.48	119	3732	0.801	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	2487	1.029	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	2549	1.033	ug/l	87
89) n-Butylbenzene	11.89	91	3253	0.748	ug/l	96
90) Hexachloroethane	12.15	117	748	0.851	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	2215	0.942	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	395	0.827	ug/l	80
93) 1,2,4-Trichlorobenzene	13.51	180	1254	0.824	ug/l	95
94) Hexachlorobutadiene	13.69	225	692	0.900	ug/l	94
95) Naphthalene	13.75	128	4149	0.813	ug/l #	91

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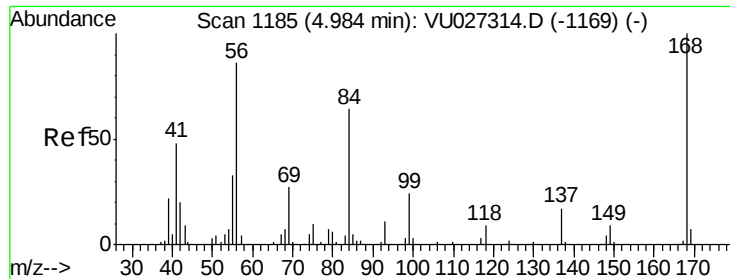
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	1476	0.931	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 113142

Ion Ratio Lower Upper

168 100

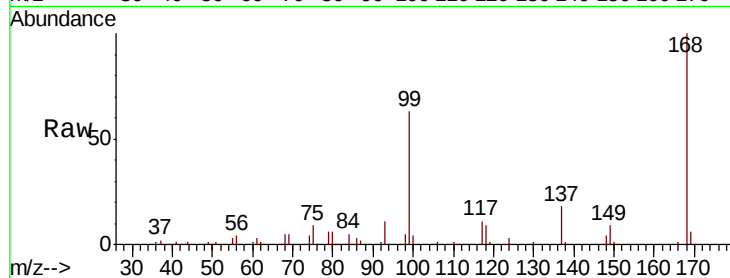
99 62.1 50.8 76.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027311.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU027311.D (-1092) (-)

4.98

60000

50000

40000

30000

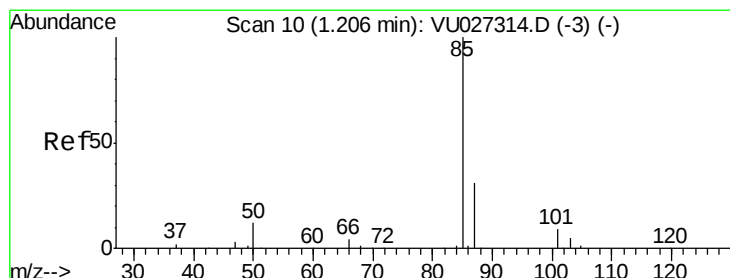
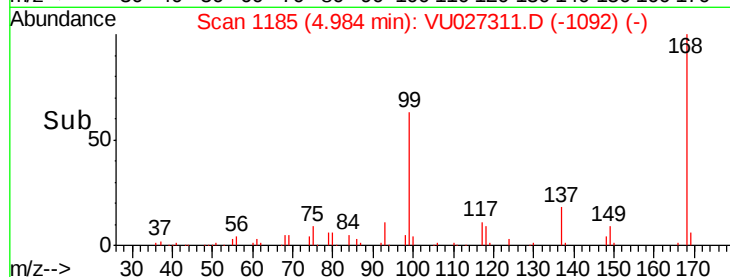
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.797 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027311.D

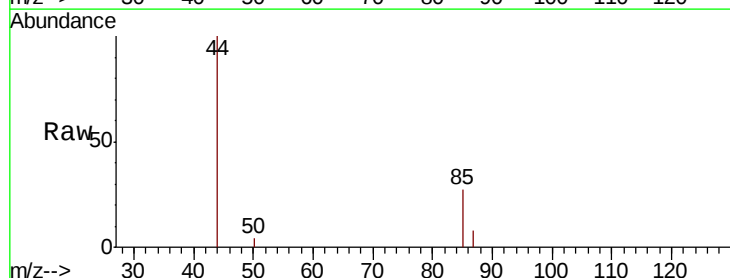
Acq: 01 Oct 2018 10:07

Tgt Ion: 85 Resp: 1300

Ion Ratio Lower Upper

85 100

87 31.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027311.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU027311.D (-1) (-)

1.21

1500

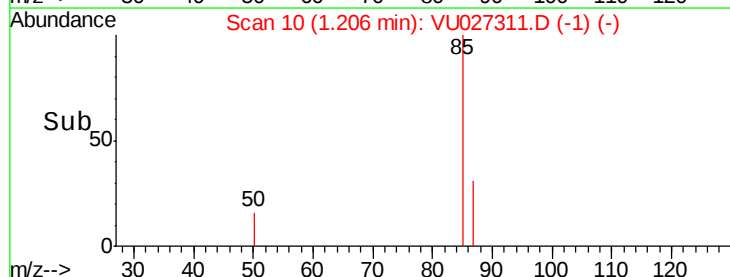
1000

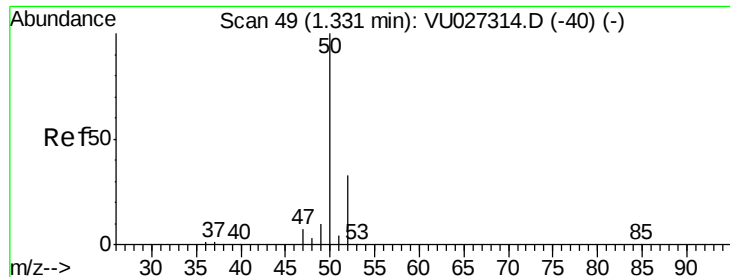
500

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.011 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2233

Ion Ratio Lower Upper

50 100

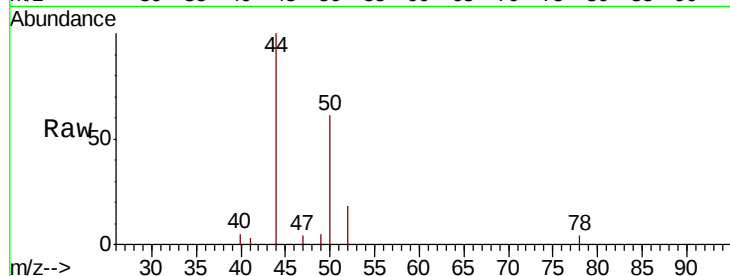
52 28.9 26.5 39.7

Manual Integrations

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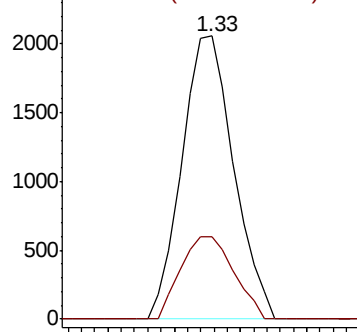
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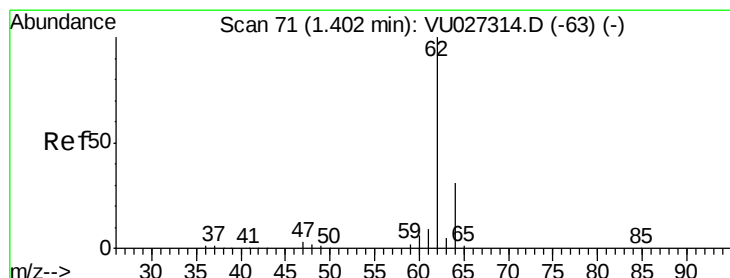
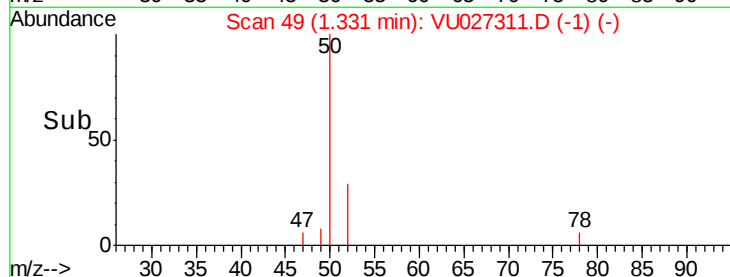


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 0.892 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027311.D

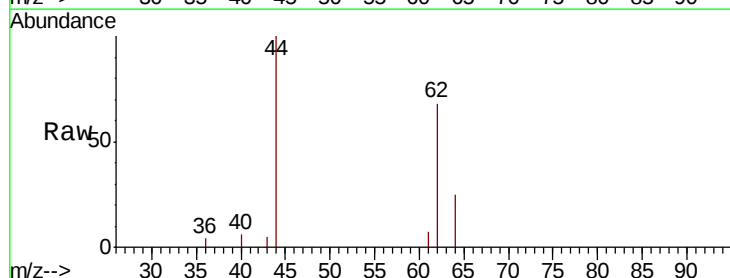
Acq: 01 Oct 2018 10:07

Tgt Ion: 62 Resp: 1851

Ion Ratio Lower Upper

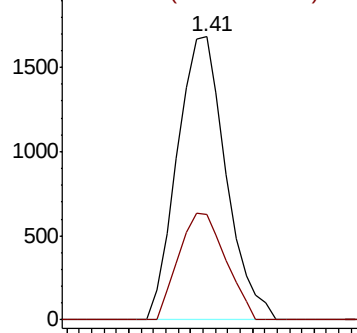
62 100

64 37.4 24.9 37.3#

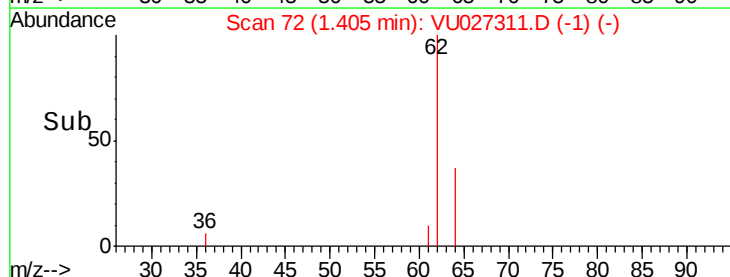


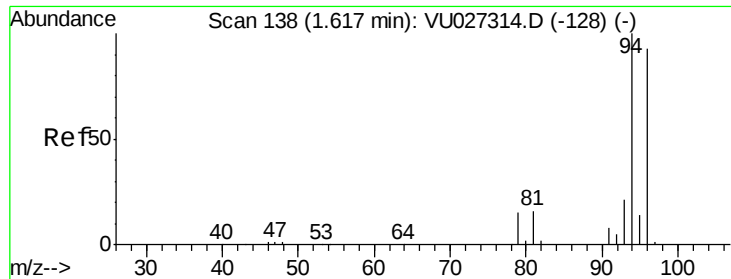
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 0.944 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 848

Ion Ratio Lower Upper

94 100

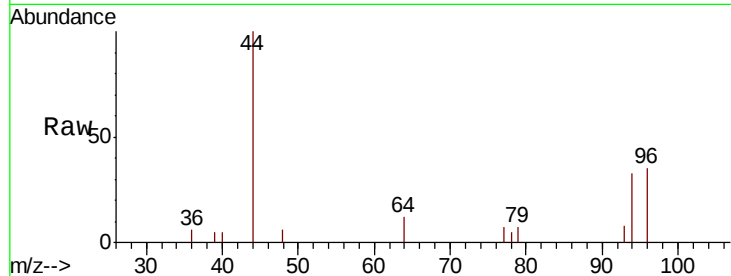
96 105.7 74.6 111.8

Manual Integrations

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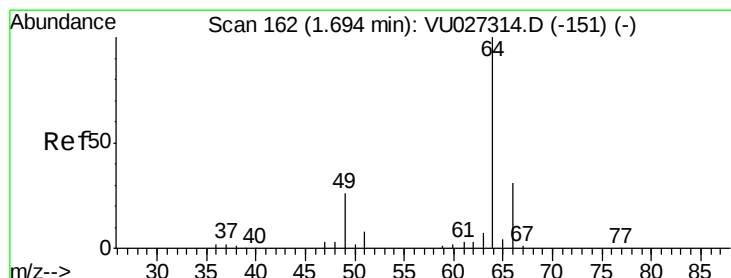
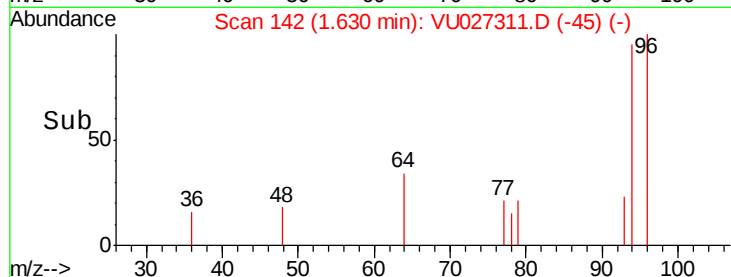
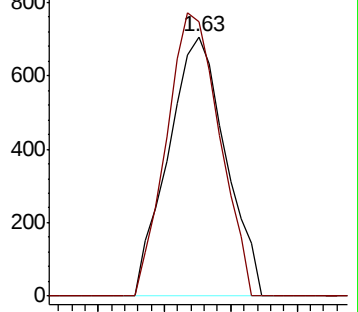
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.158 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027311.D

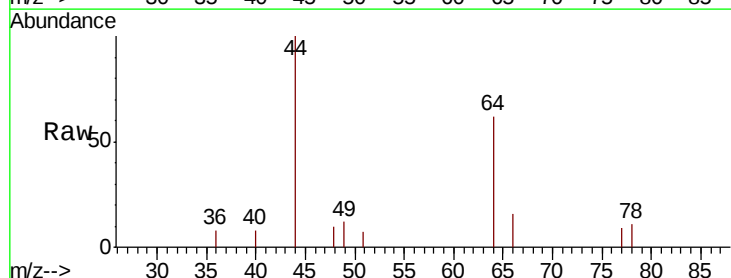
Acq: 01 Oct 2018 10:07

Tgt Ion: 64 Resp: 1445

Ion Ratio Lower Upper

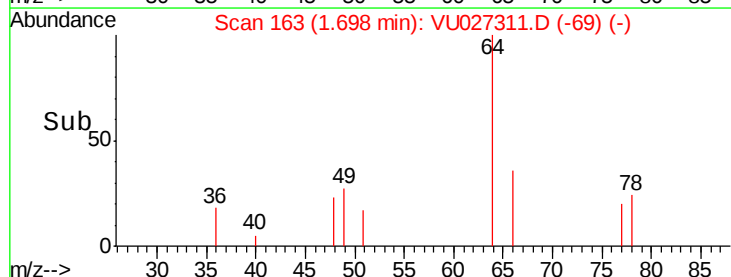
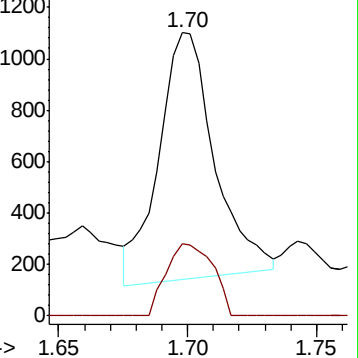
64 100

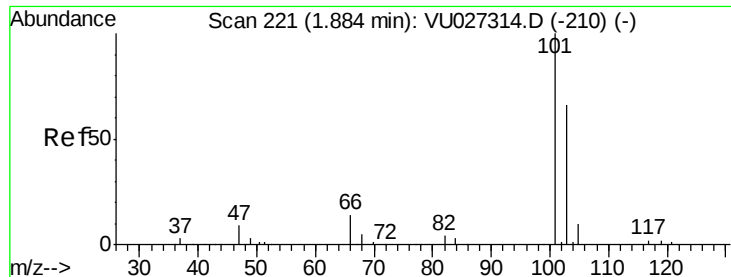
66 31.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

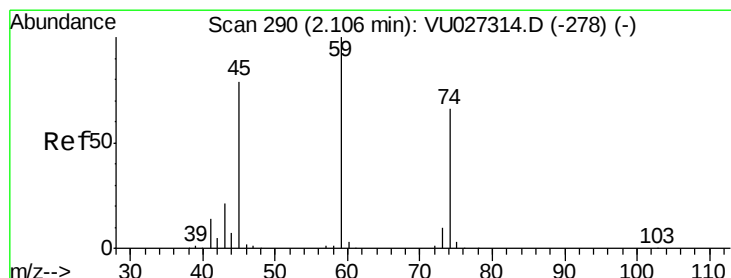
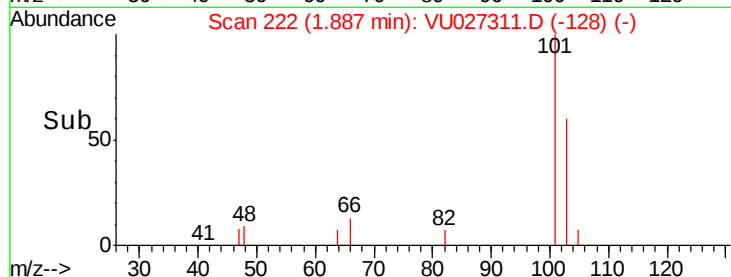
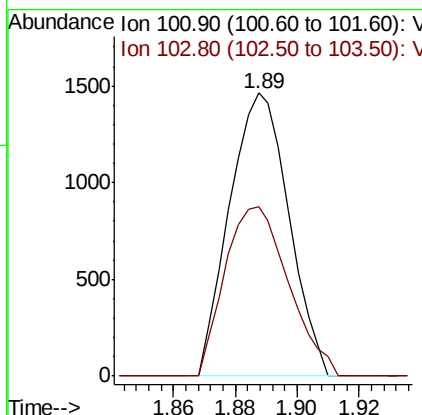
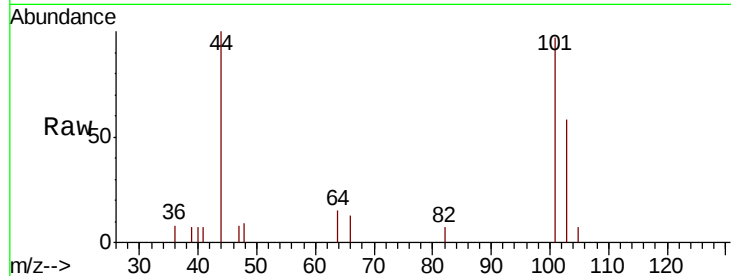
Trichlorofluoromethane
 Concen: 0.923 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

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 VSTDIC001

Tot Ion:101 Resp: 1944
 Ion Ratio Lower Upper
 101 100
 103 60.1 52.6 78.8

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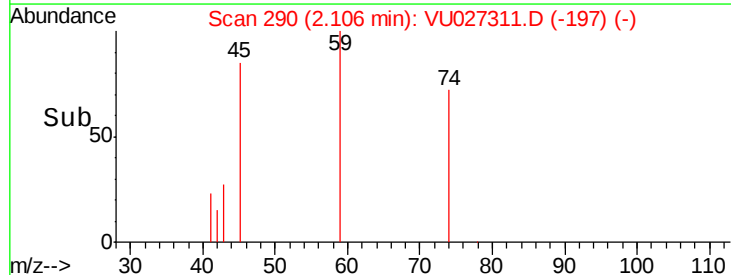
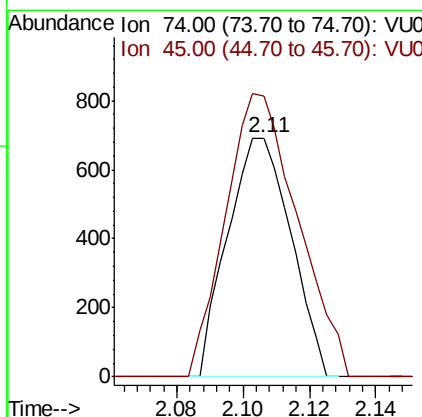
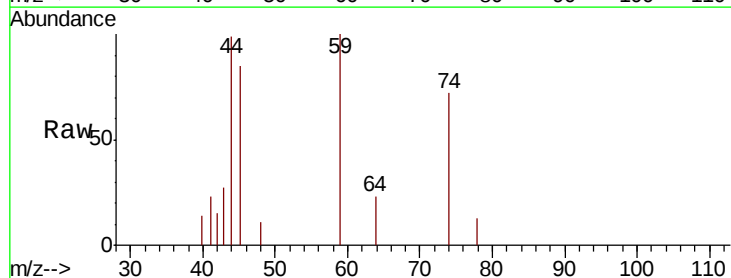
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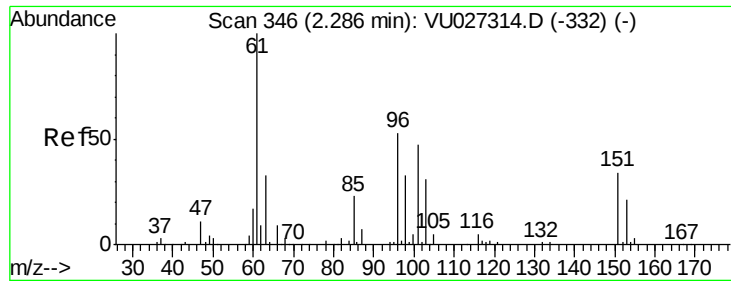


#8

Diethyl Ether
 Concen: 0.944 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion: 74 Resp: 916
 Ion Ratio Lower Upper
 74 100
 45 135.4 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.904 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

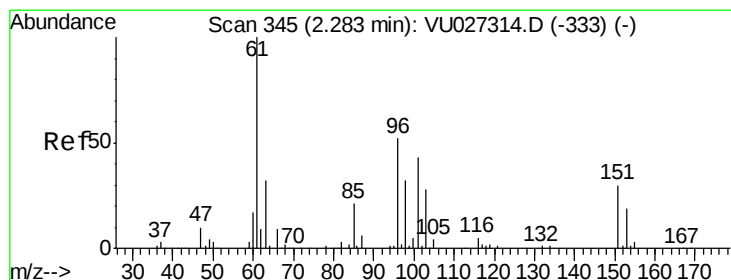
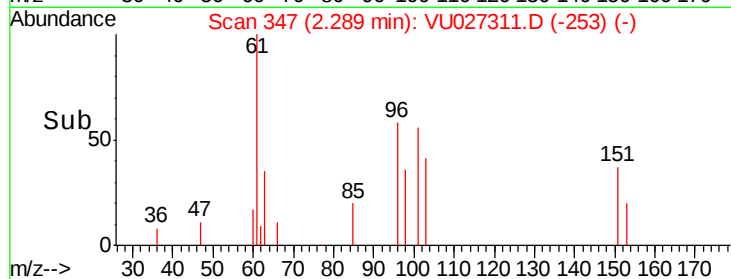
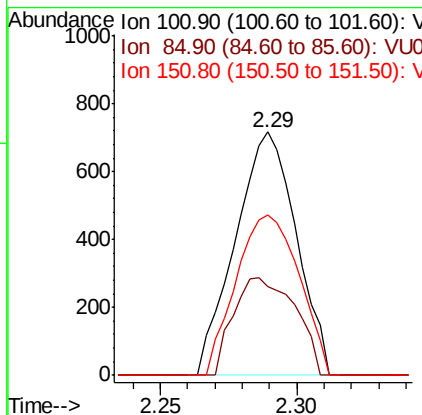
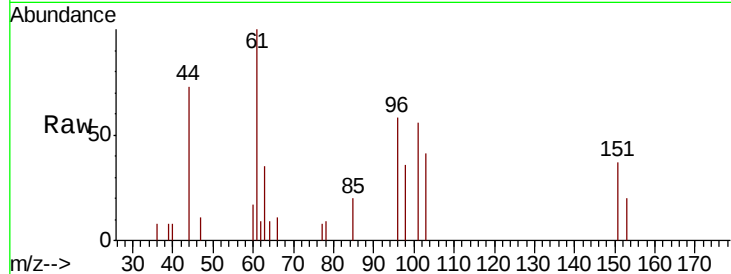
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	1106
Ion Ratio	Lower	Upper	
101	100		
85	40.9	37.5	56.3
151	68.5	55.6	83.4

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#12

1,1-Dichloroethene

Concen: 0.935 ug/l

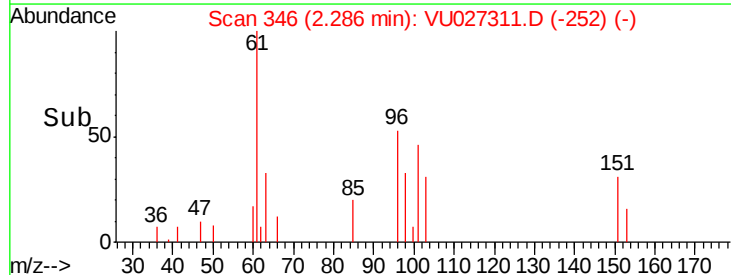
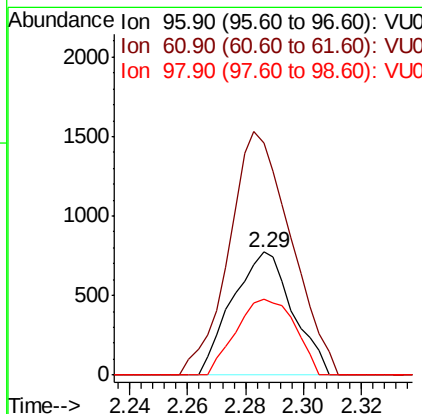
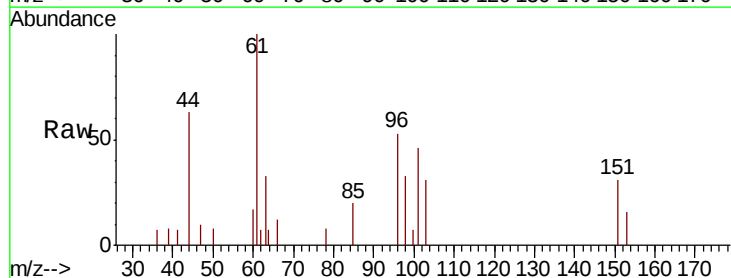
RT: 2.29 min Scan# 346

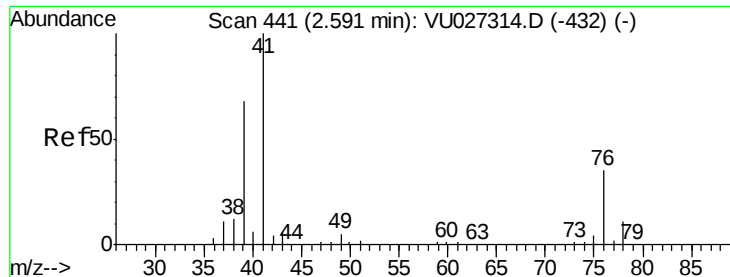
Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Tgt Ion:	96	Resp:	1117
Ion Ratio	Lower	Upper	
96	100		
61	189.0	153.0	229.6
98	61.6	49.3	73.9





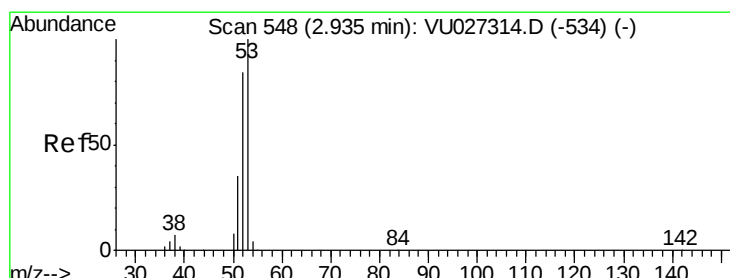
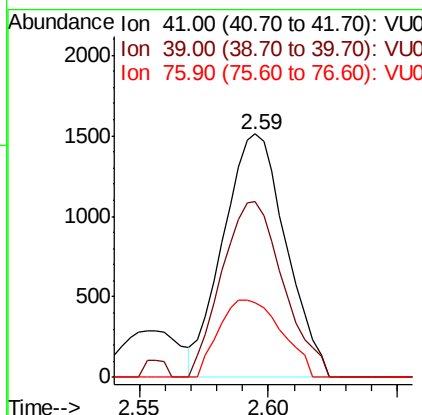
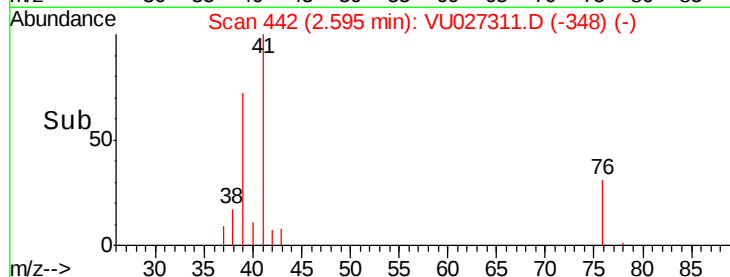
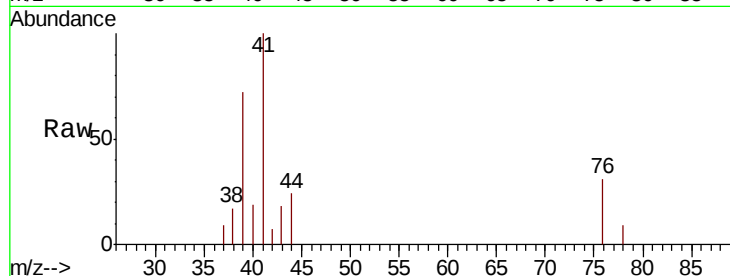
#14
Allvl chloride
Concen: 0.902 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.8	51.8	77.8
76	31.9	25.9	38.9

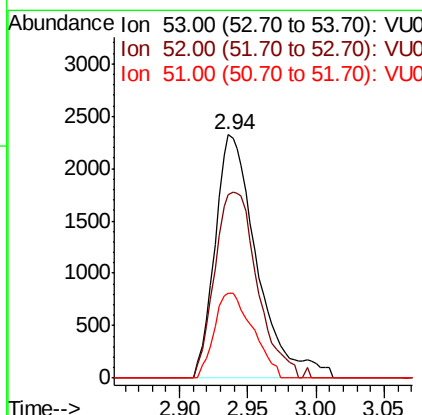
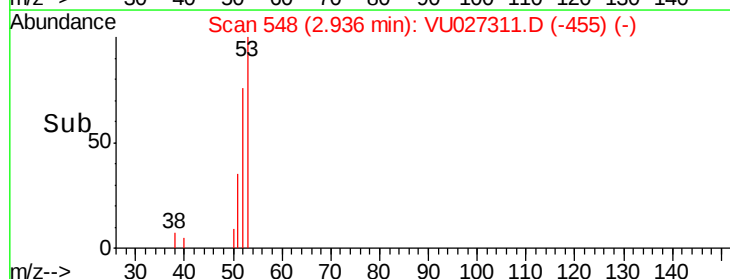
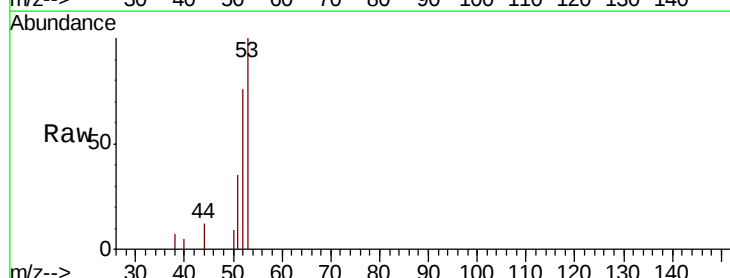
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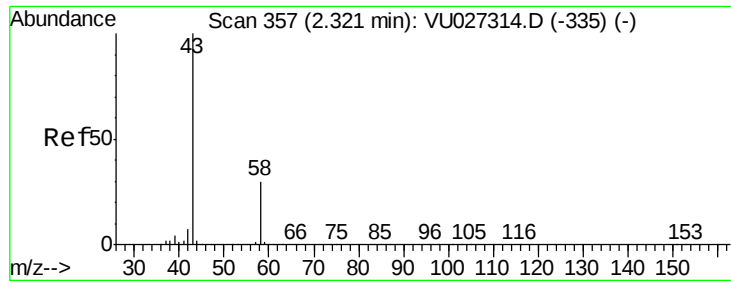
MMDadoda
10/3/2018 11:41:40 AM



#15
Acrylonitrile
Concen: 4.777 ug/l
RT: 2.94 min Scan# 548
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
53	100		
52	77.3	66.5	99.7
51	32.0	27.6	41.4





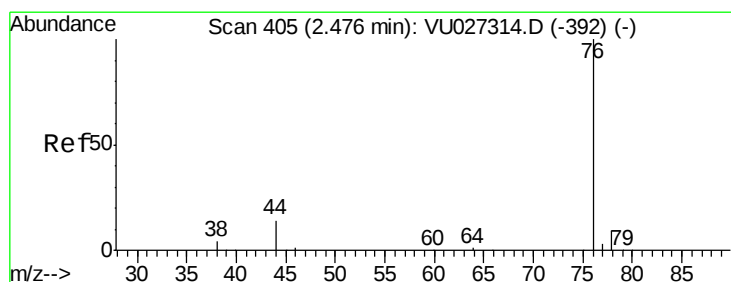
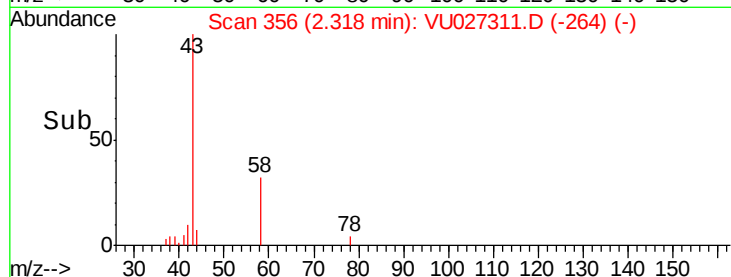
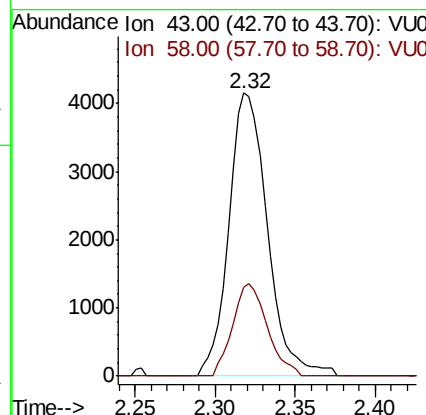
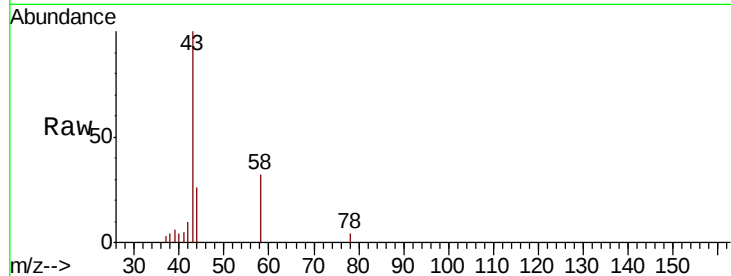
#16
Acetone
Concen: 6.122 ug/l
RT: 2.32 min Scan# 356
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.2	36.4

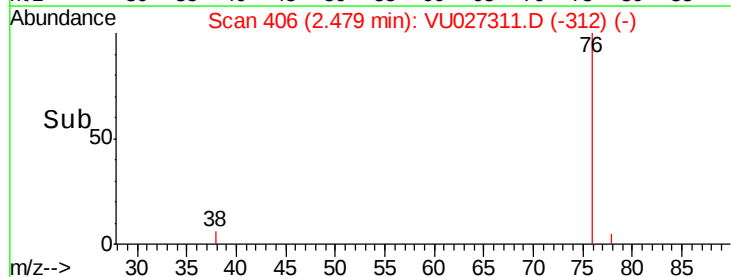
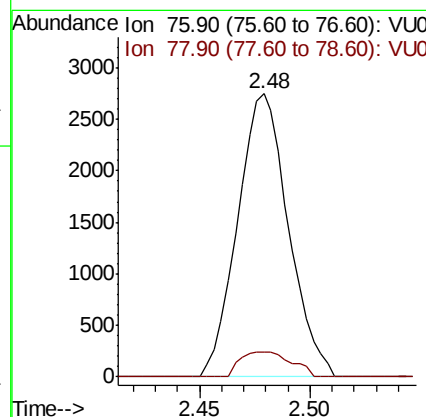
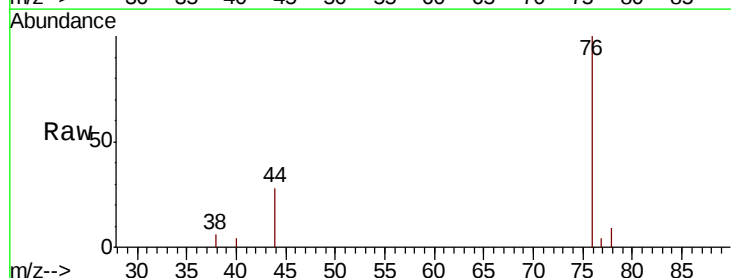
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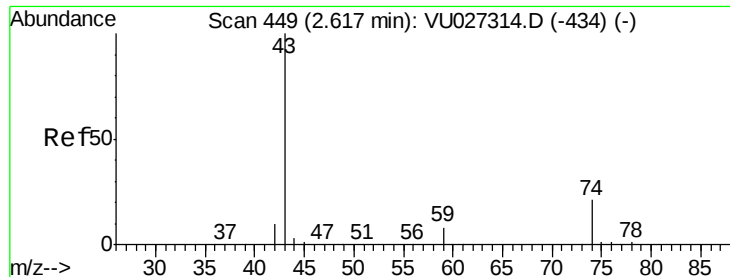
MMDadoda
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#17
Carbon Disulfide
Concen: 1.015 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9





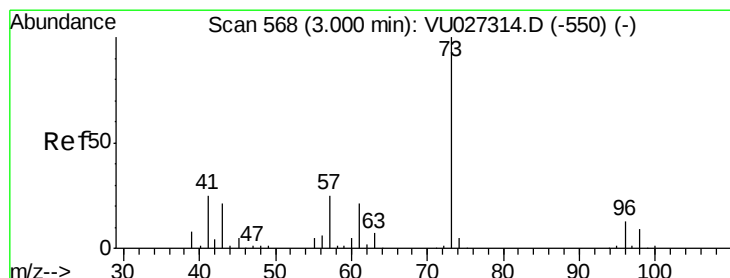
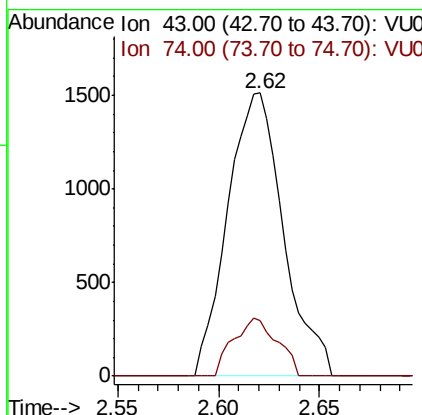
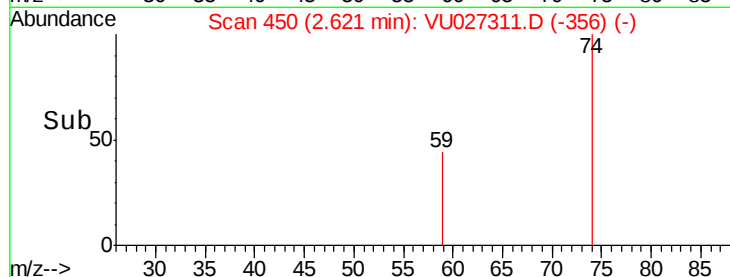
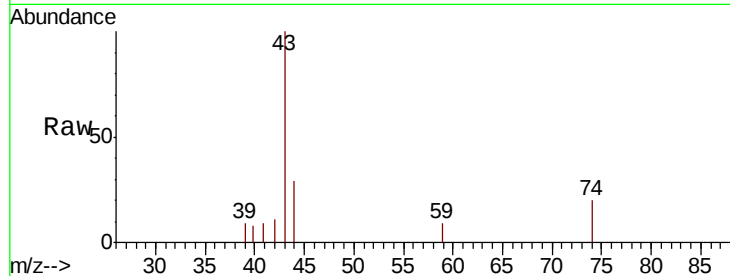
#18
Methyl Acetate
Concen: 1.147 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 2920
Ion Ratio Lower Upper
43 100
74 16.4 16.5 24.7#

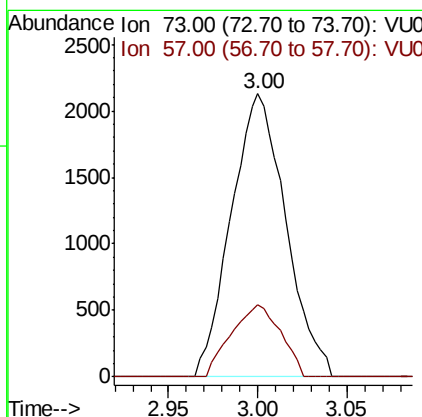
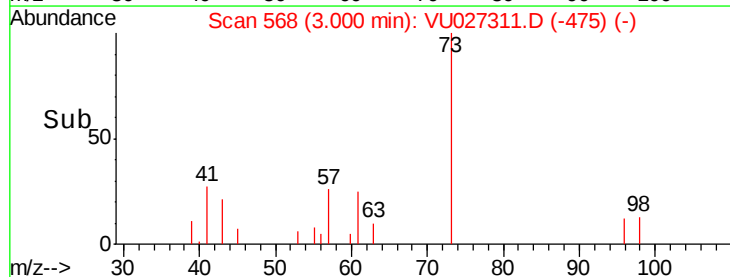
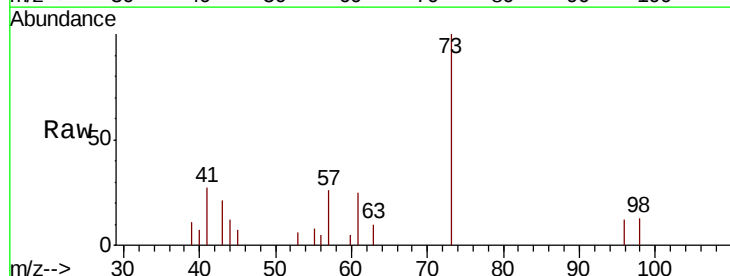
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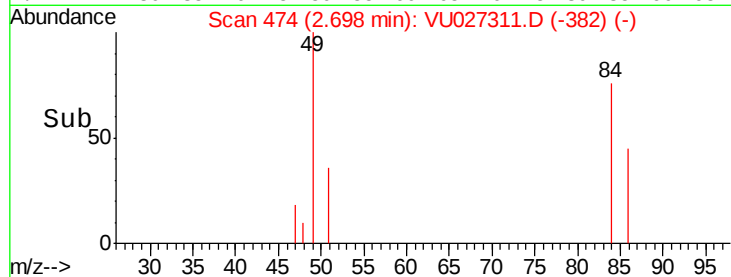
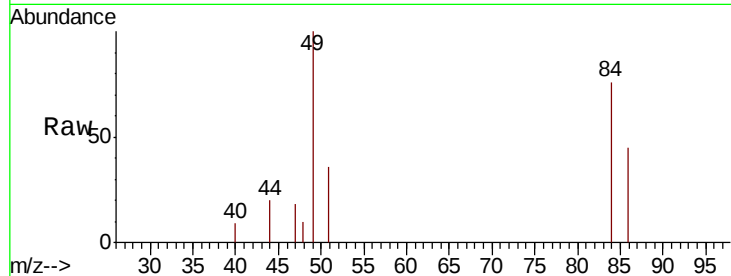
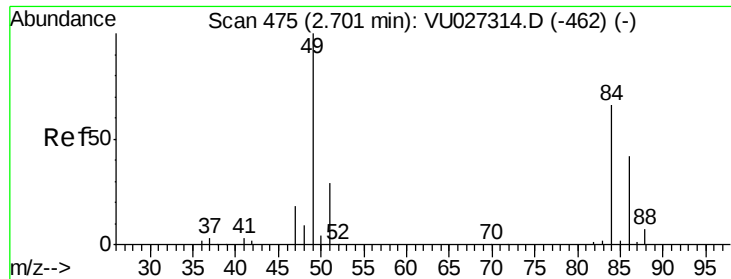
MMDadoda
10/3/2018 11:41:40 AM



#19
Methyl tert-butyl Ether
Concen: 0.948 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

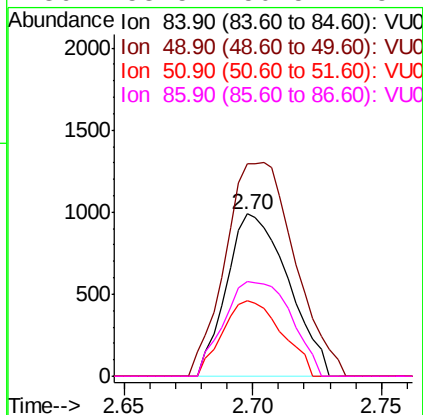
Tgt Ion: 73 Resp: 4538
Ion Ratio Lower Upper
73 100
57 25.5 20.0 30.0





#20
Methvlene Chloride
Concen: 1.063 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

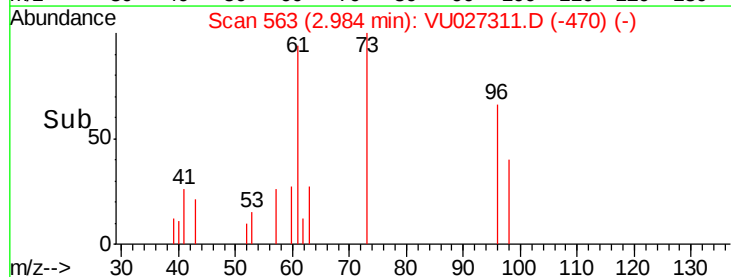
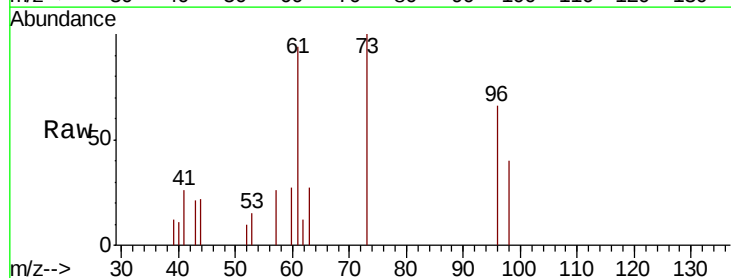
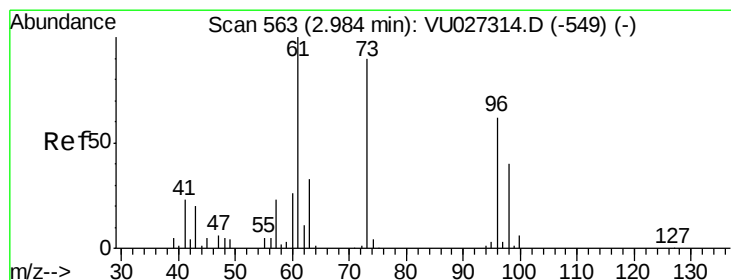
Tot Ion	Ratio	Lower	Upper
84	100		
49	131.1	120.5	180.7
51	46.9	35.1	52.7
86	58.5	50.5	75.7



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

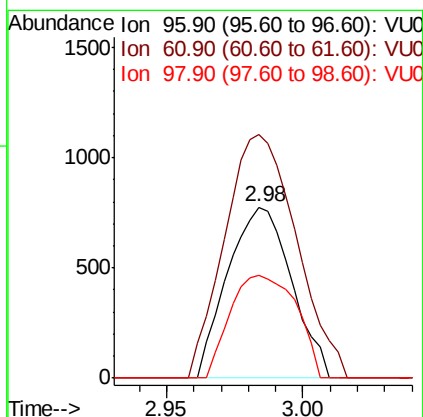
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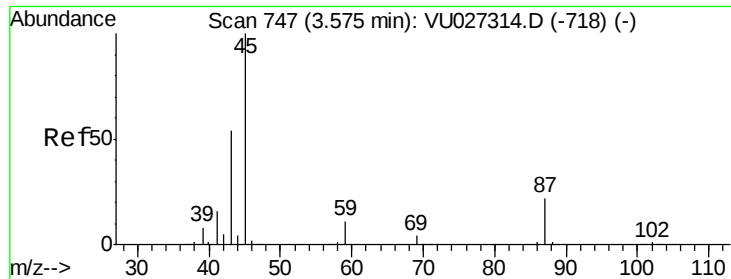
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.937 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.3	129.4	194.2
98	60.1	51.2	76.8





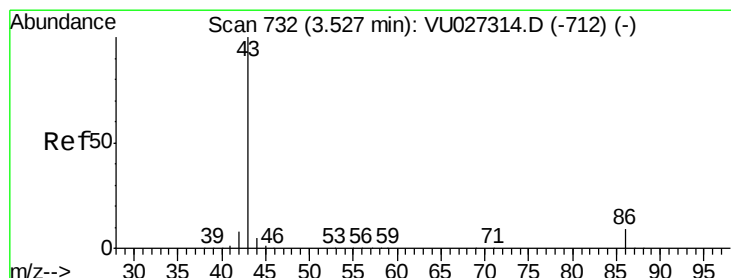
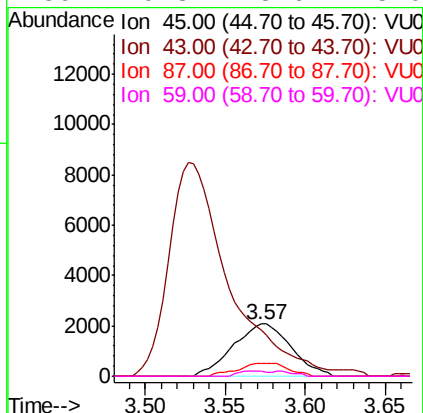
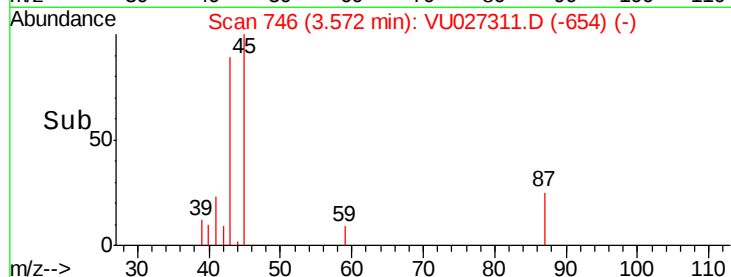
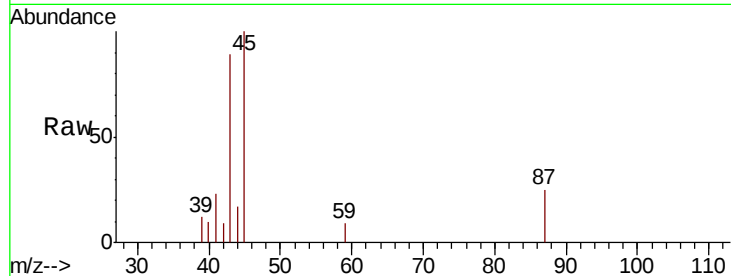
#22
Diisopropyl ether
Concen: 0.894 ug/l
RT: 3.57 min Scan# 746
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	5157
Ion	Ratio	Lower	Upper
45	100		
43	76.1	43.4	65.2#
87	25.2	17.5	26.3
59	9.3	8.6	13.0

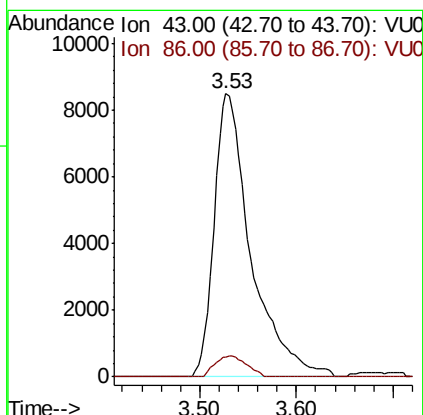
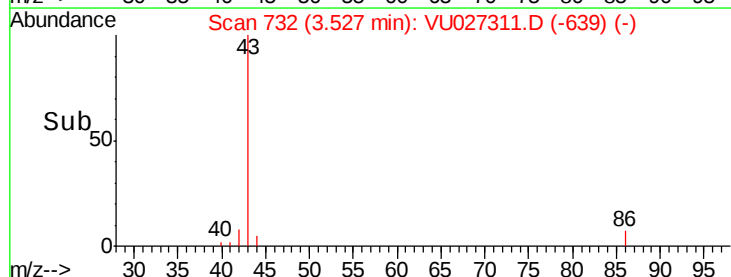
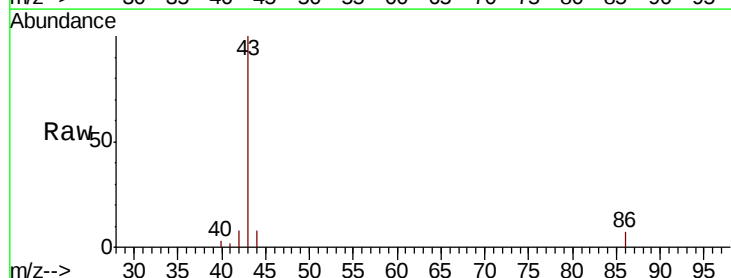
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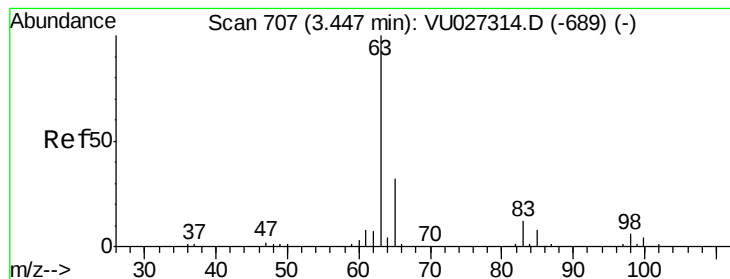
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#23
Vinyl Acetate
Concen: 4.459 ug/l
RT: 3.53 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion:	43	Resp:	22464
Ion	Ratio	Lower	Upper
43	100		
86	7.2	7.0	10.4





#24

1,1-Dichloroethane

Concen: 0.911 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

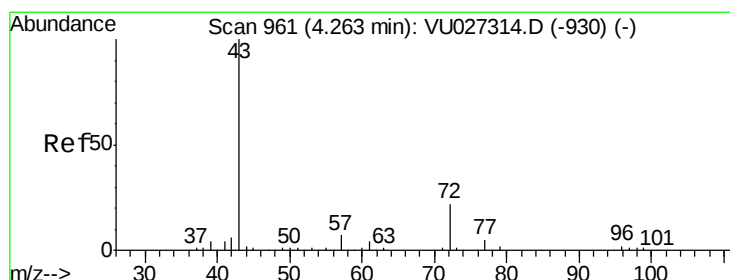
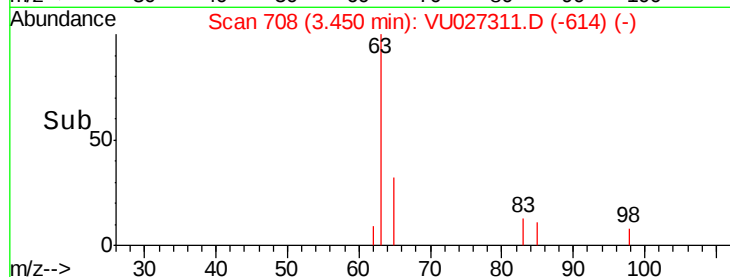
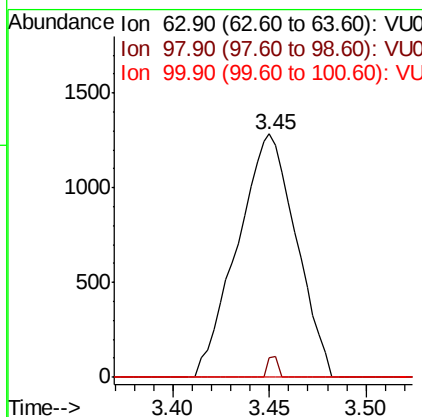
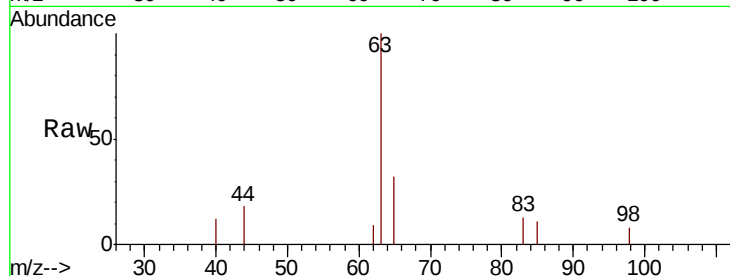
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	2701
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.0	9.2
100	0.0	1.8	5.5#

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#25

2-Butanone

Concen: 4.537 ug/l

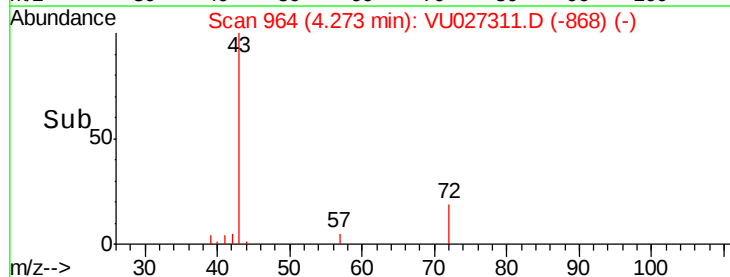
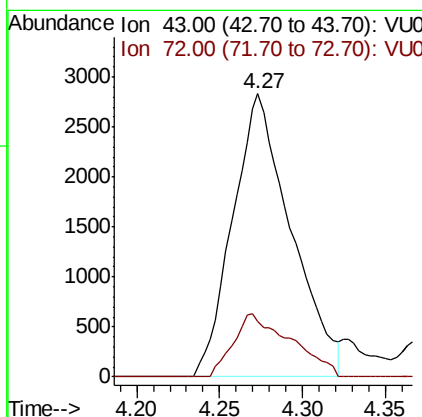
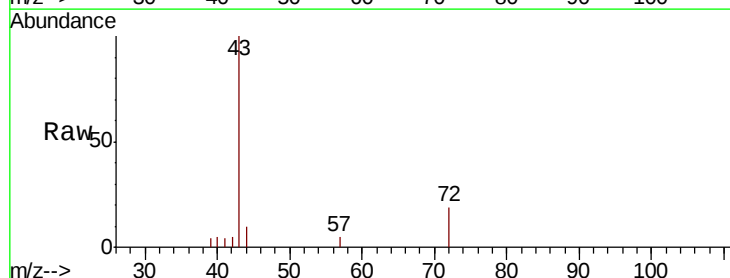
RT: 4.27 min Scan# 964

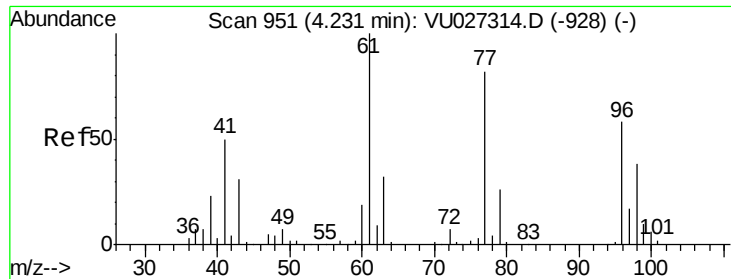
Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Tgt Ion:	43	Resp:	6905
Ion	Ratio	Lower	Upper
43	100		
72	19.5	17.8	26.6





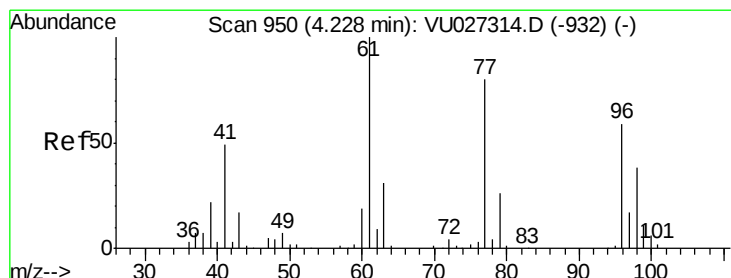
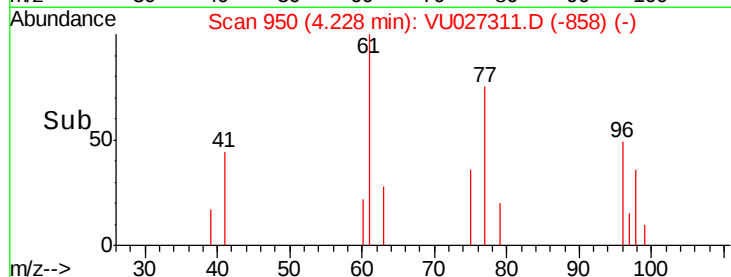
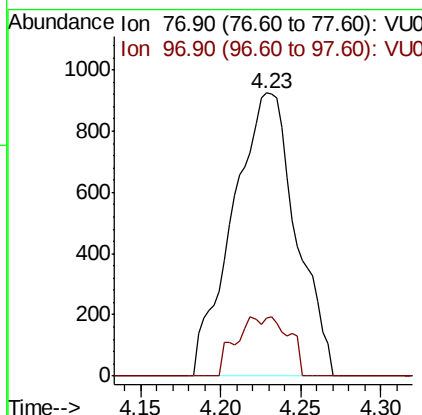
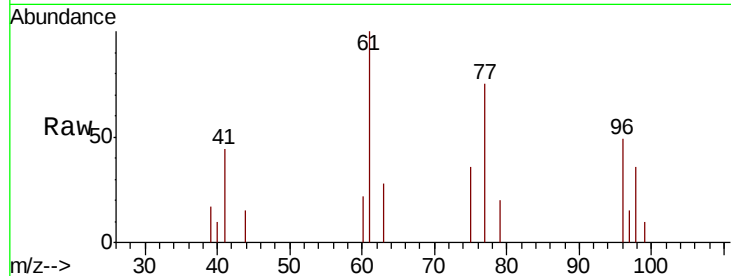
#26
 2,2-Dichloropropane
 Concen: 1.029 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 2508
 Ion Ratio Lower Upper
 77 100
 97 8.8 10.4 31.1#

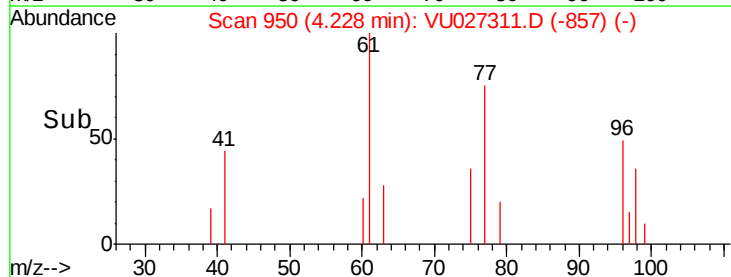
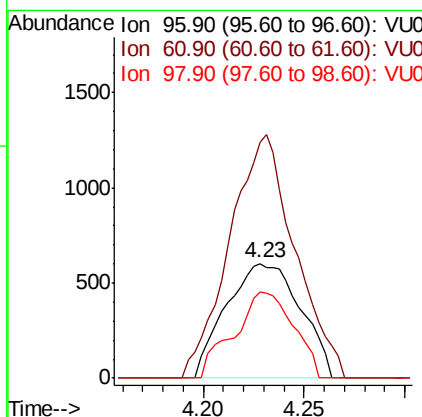
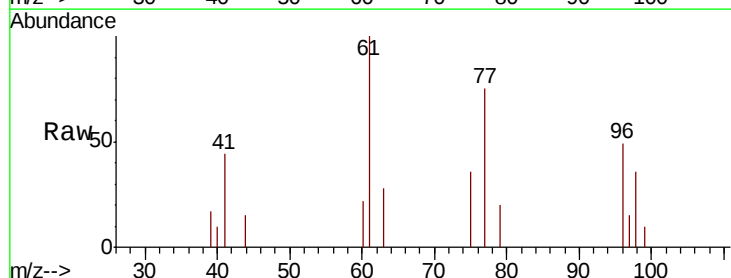
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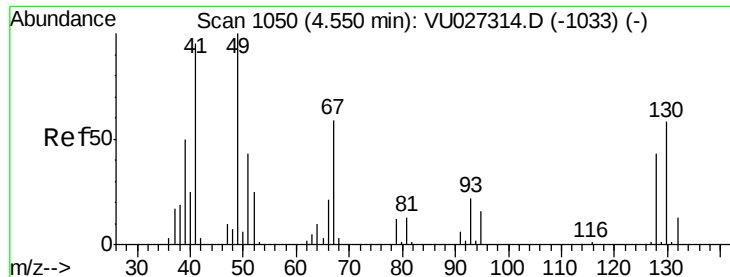
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 10/3/2018 11:41:40 AM



#27
 cis-1,2-Dichloroethene
 Concen: 1.005 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion: 96 Resp: 1542
 Ion Ratio Lower Upper
 96 100
 61 186.8 0.0 343.8
 98 60.1 0.0 129.0





#28

Bromochloromethane

Concen: 0.969 ug/l

RT: 4.56 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1387

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.0

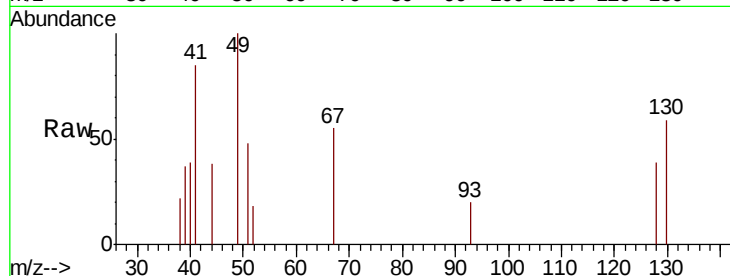
130 53.4 46.1 69.1

Manual Integrations

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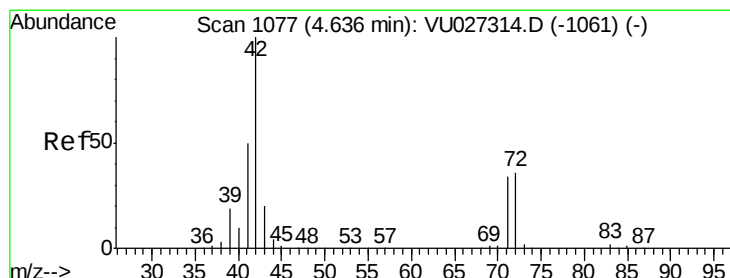
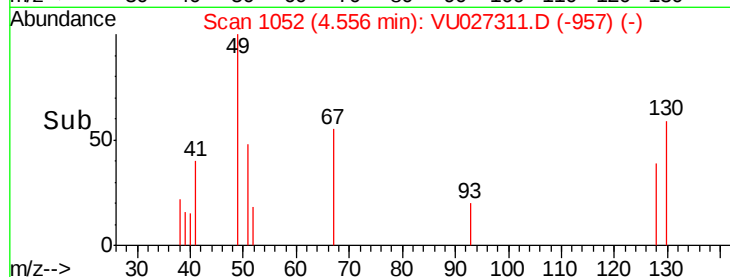
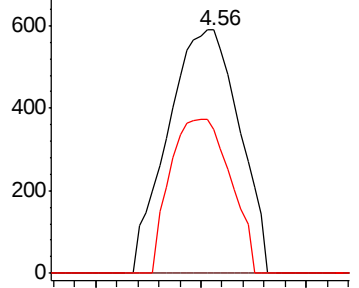
10/3/2018 11:41:40 AM



Abundance Ion 48.90 (48.60 to 49.60): VU027311.D (-957) (-)

Ion 128.80 (128.50 to 129.50): VU027311.D (-957) (-)

Ion 129.80 (129.50 to 130.50): VU027311.D (-957) (-)



#29

Tetrahydrofuran

Concen: 4.620 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

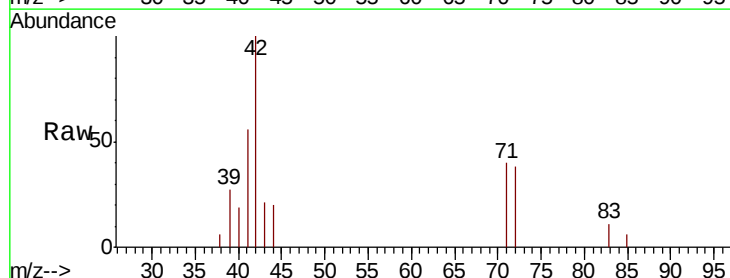
Tgt Ion: 42 Resp: 4431

Ion Ratio Lower Upper

42 100

72 35.9 30.1 45.1

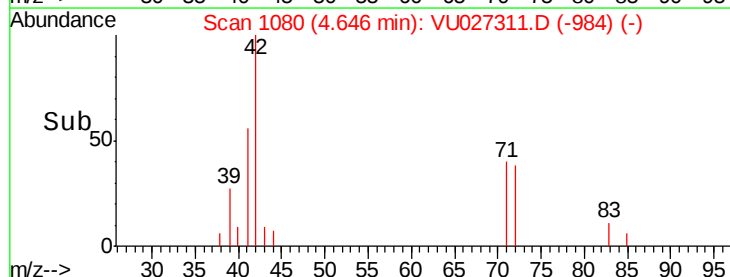
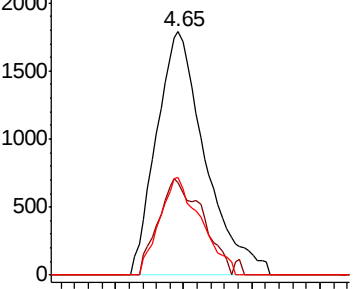
71 34.2 27.7 41.5

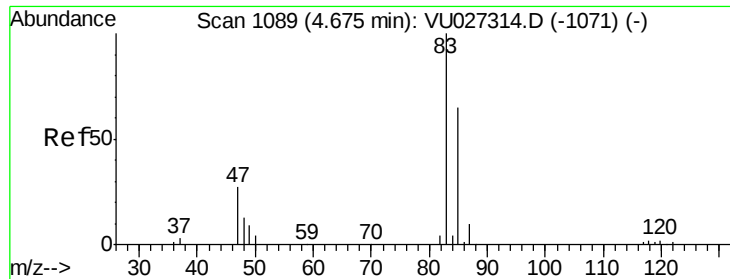


Abundance Ion 42.00 (41.70 to 42.70): VU027311.D (-984) (-)

Ion 72.00 (71.70 to 72.70): VU027311.D (-984) (-)

Ion 71.00 (70.70 to 71.70): VU027311.D (-984) (-)





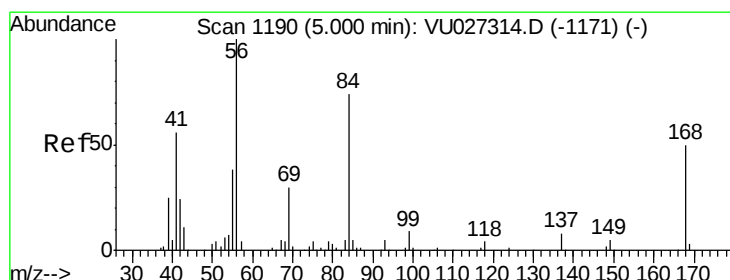
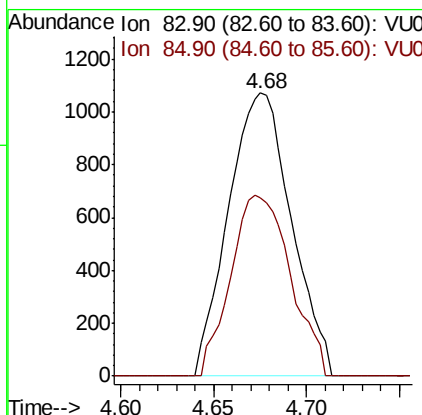
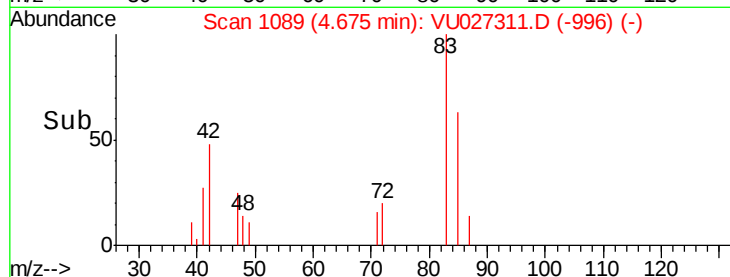
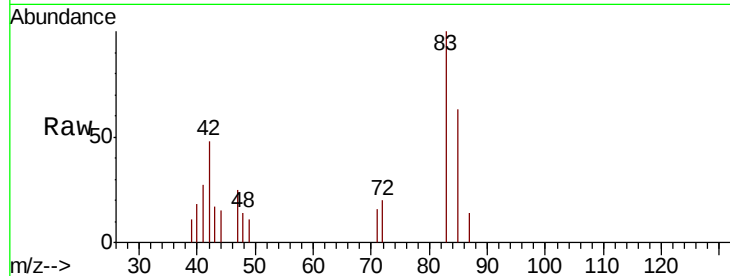
#30
Chloroform
Concen: 0.959 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 2526
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

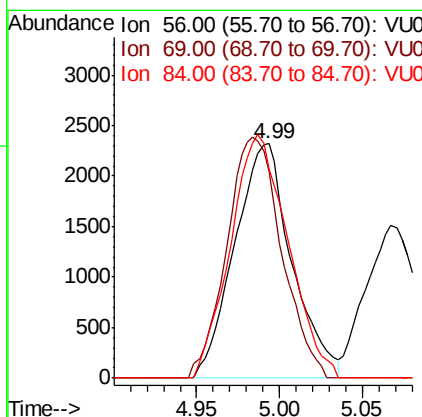
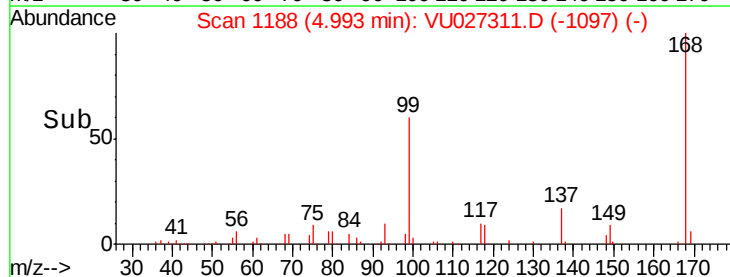
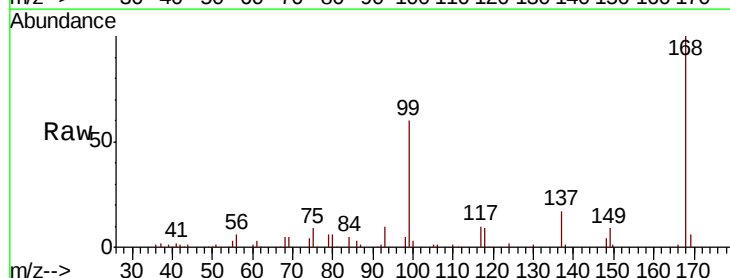
Manual Integrations
APPROVED

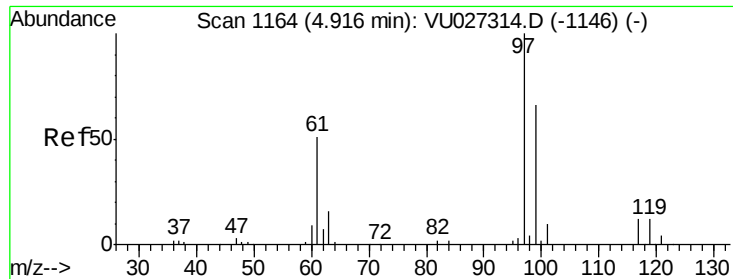
MMDadoda
10/3/2018 11:41:40 AM



#31
Cyclohexane
Concen: 1.604 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion: 56 Resp: 5562
Ion Ratio Lower Upper
56 100
69 88.3 24.1 36.1#
84 89.4 59.1 88.7#





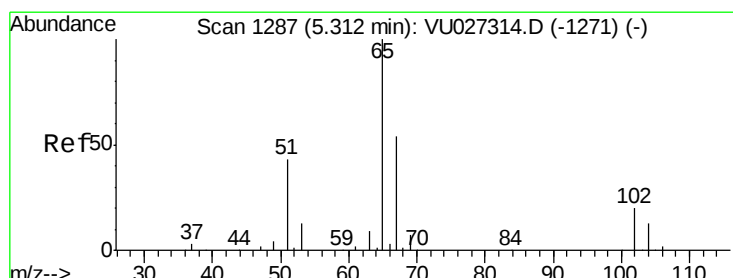
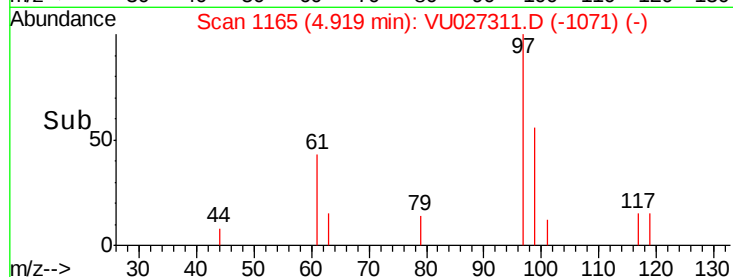
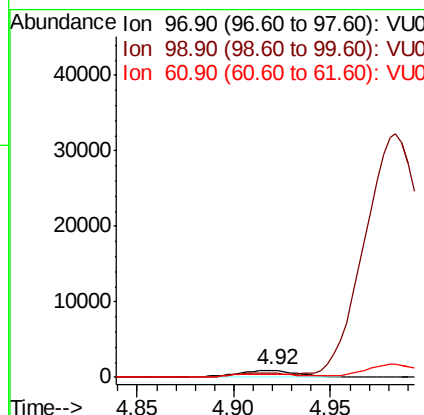
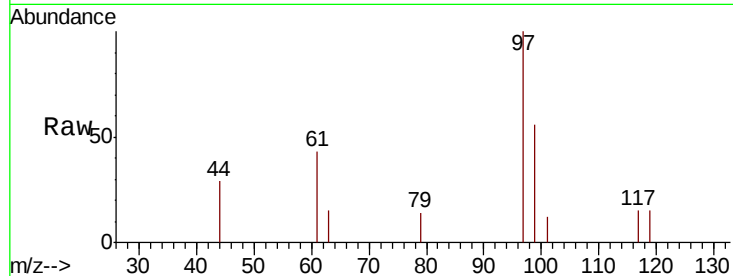
#32
 1,1,1-Trichloroethane
 Concen: 0.918 ug/l
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	50.6	39.6	59.4

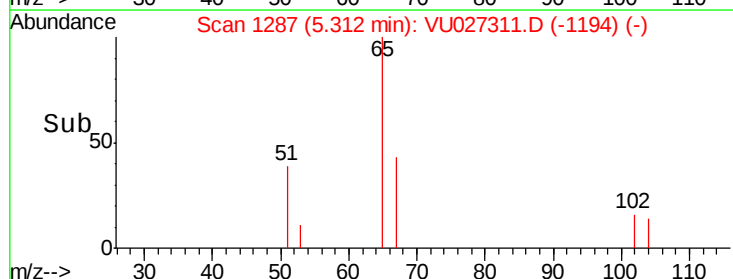
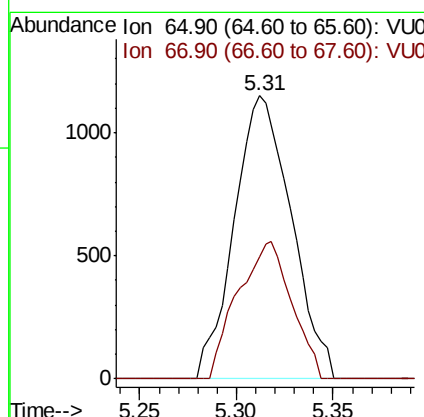
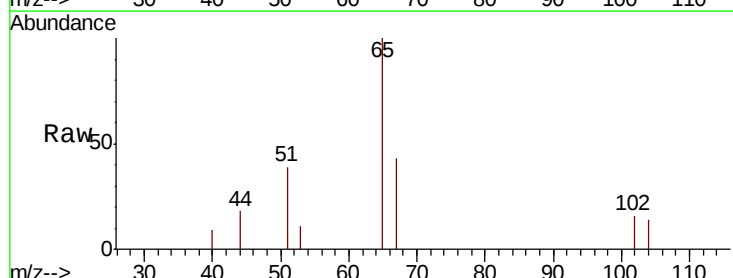
Manual Integrations
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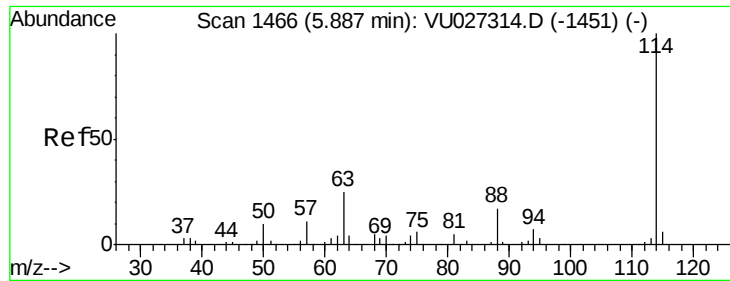
MMDadoda
 10/3/2018 11:41:40 AM



#33
 1,2-Dichloroethane-d4
 Concen: 1.314 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
65	100		
67	46.0	0.0	107.8





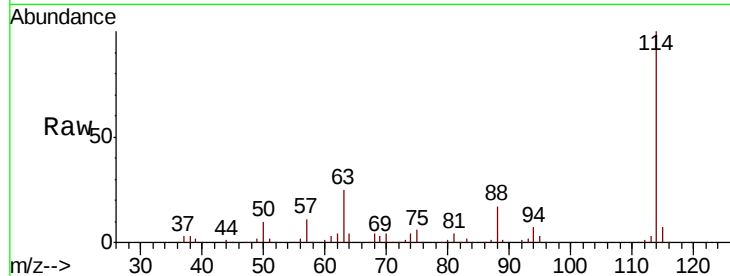
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

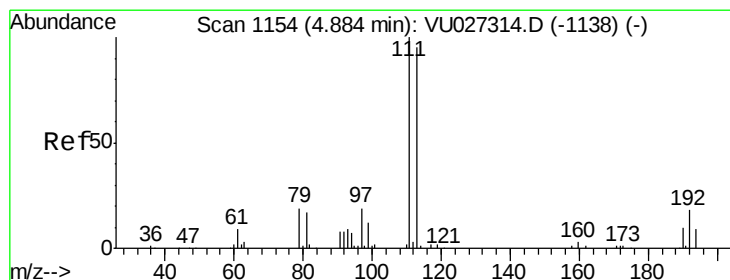
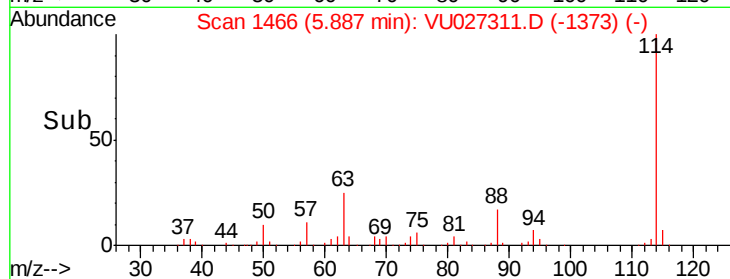
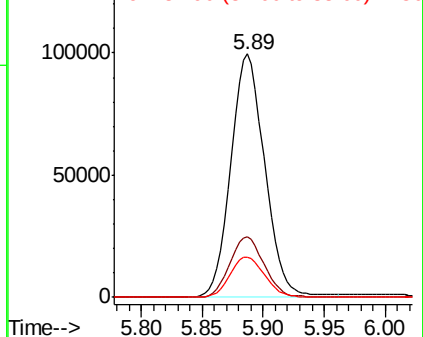
Tot Ion	Ratio	Resp	Lower	Upper
114	100	193354		
63	25.0	0.0	50.2	
88	16.7	0.0	33.8	

Manual Integrations
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MMDadoda
 10/3/2018 11:41:40 AM

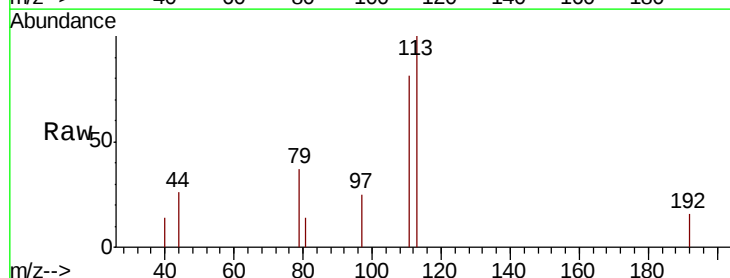


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

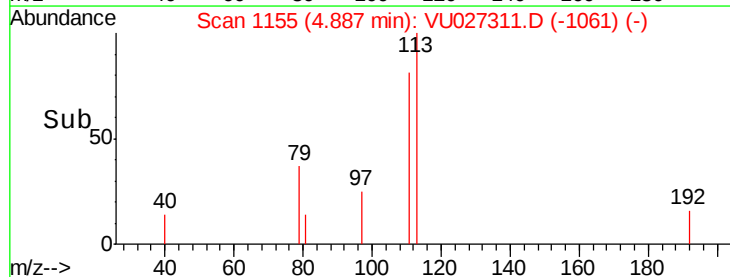
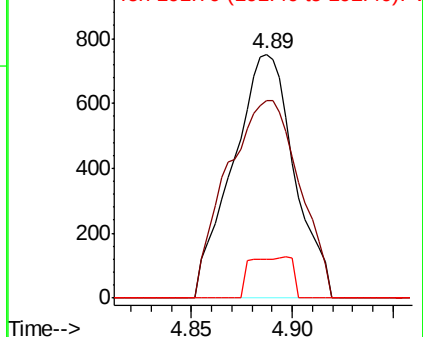


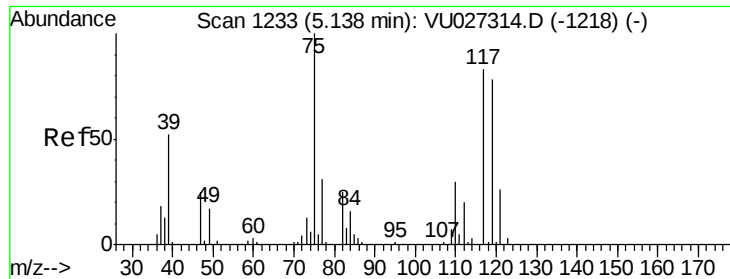
#35
 Dibromofluoromethane
 Concen: 1.257 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	1597		
111	95.1	83.1	124.7	
192	11.6	15.4	23.0#	



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





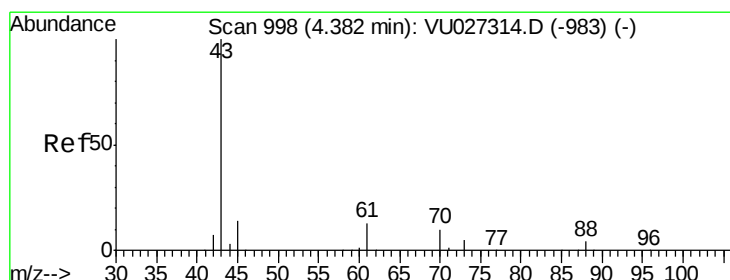
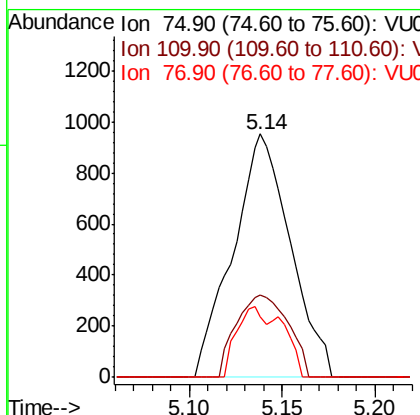
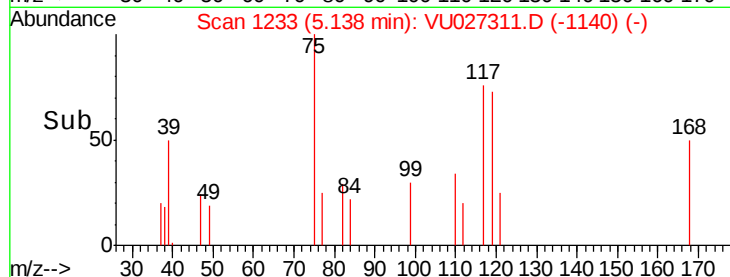
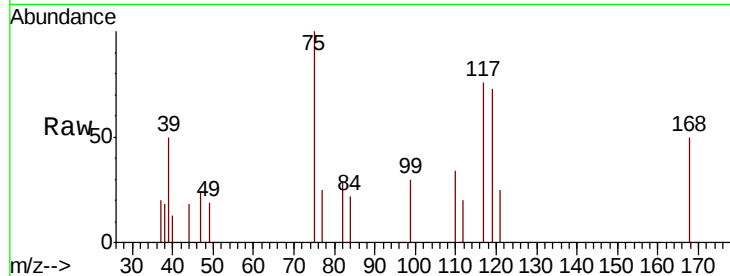
#36
 1,1-Dichloropropene
 Concen: 0.973 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.5	46.5
77	14.4	25.4	38.0

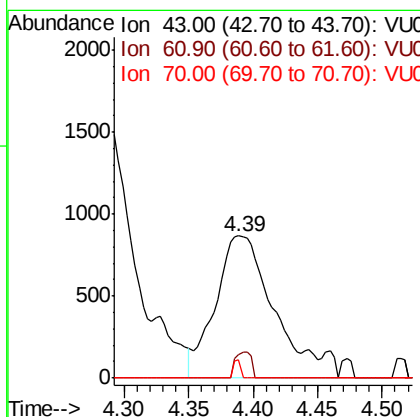
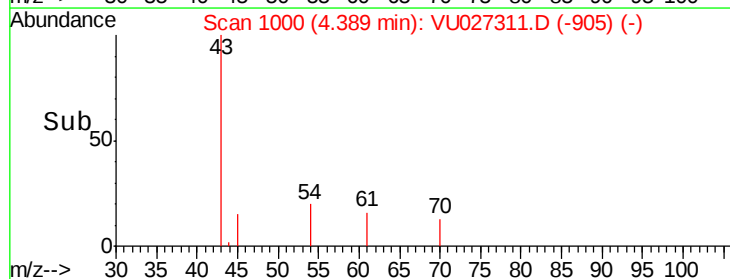
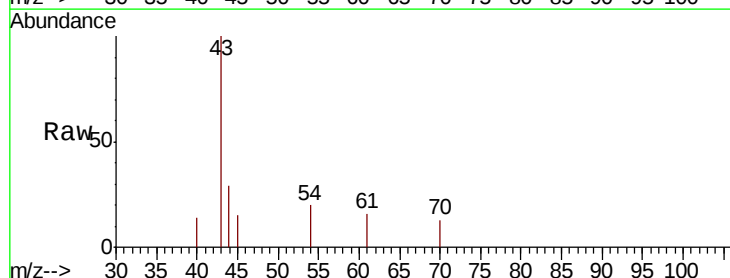
Manual Integrations
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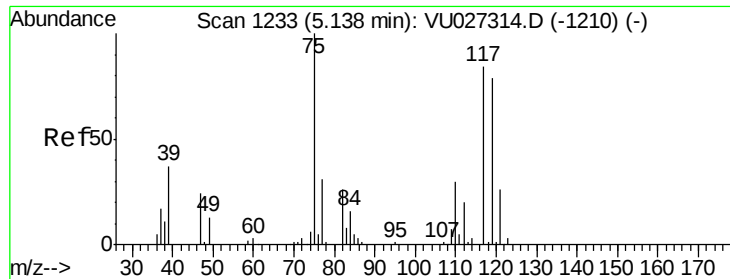
MMDadoda
 10/3/2018 11:41:40 AM



#37
 Ethyl Acetate
 Concen: 1.073 ug/l m
 RT: 4.39 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.0	10.7	16.1
70	1.5	7.4	11.2





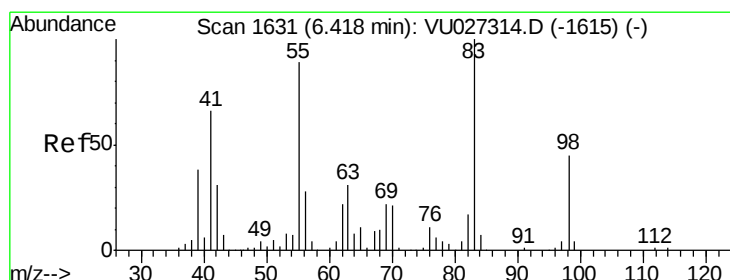
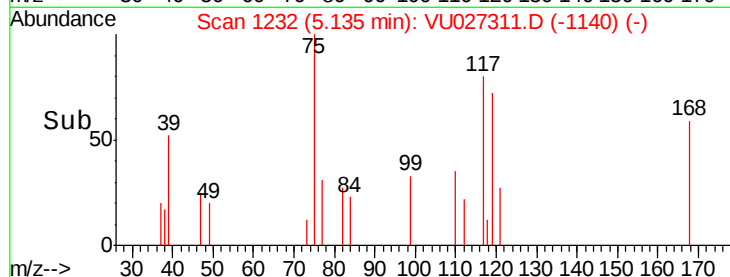
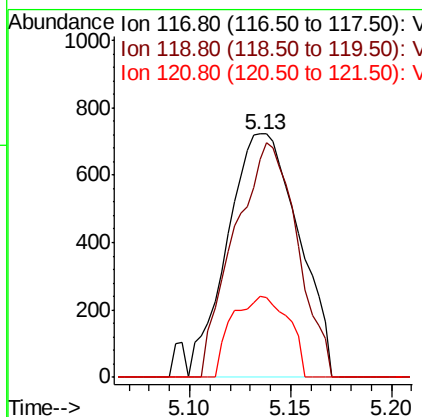
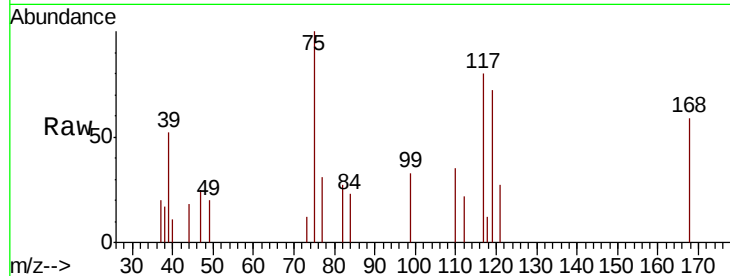
#38
Carbon Tetrachloride
Concen: 0.934 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.5	74.5	111.7
121	33.1	24.6	37.0

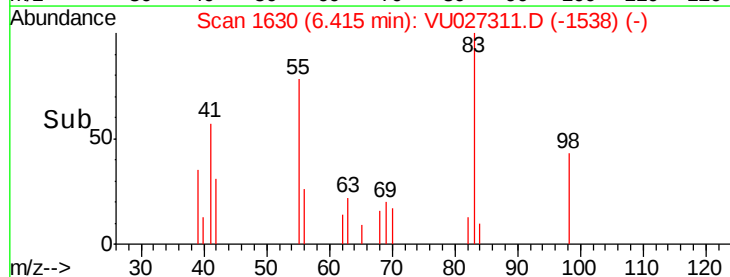
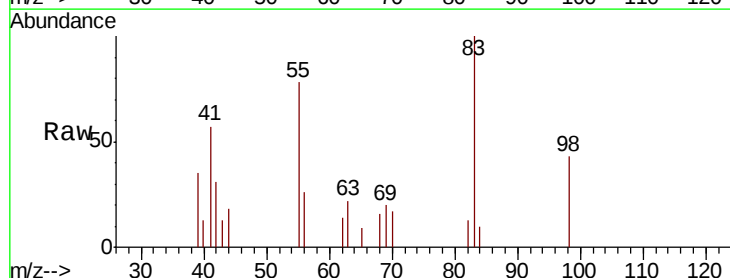
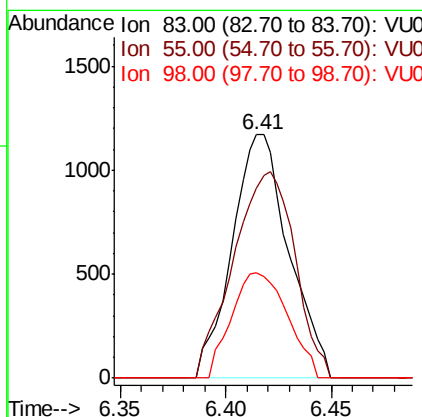
Manual Integrations
APPROVED

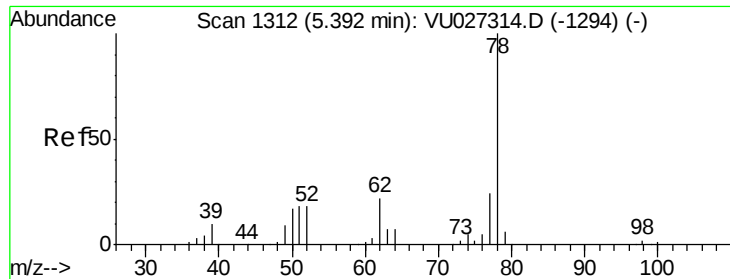
MMDadoda
10/3/2018 11:41:40 AM



#39
Methylcyclohexane
Concen: 0.894 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.9	71.1	106.7
98	43.4	36.3	54.5





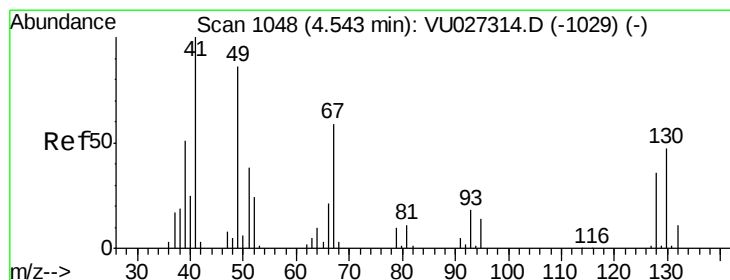
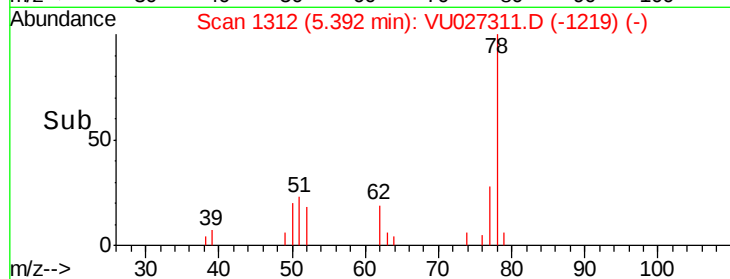
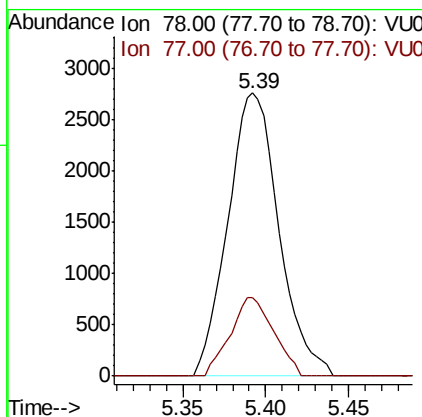
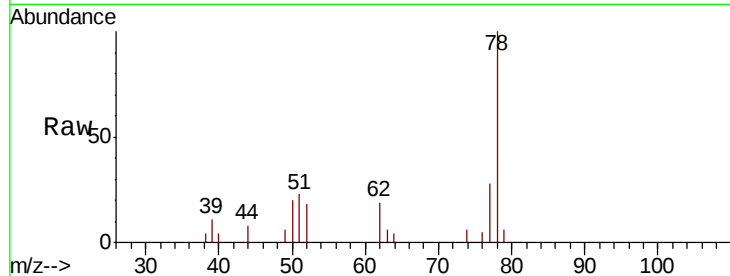
#40
Benzene
Concen: 0.965 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 5902
Ion Ratio Lower Upper
78 100
77 27.6 19.3 28.9

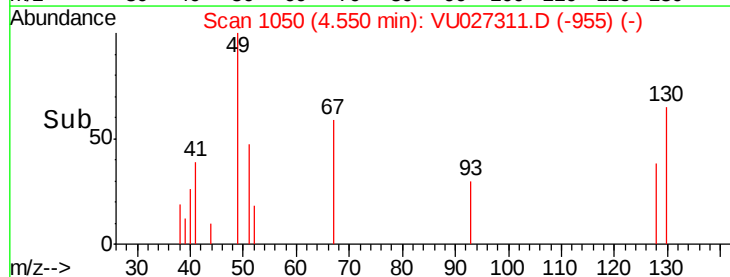
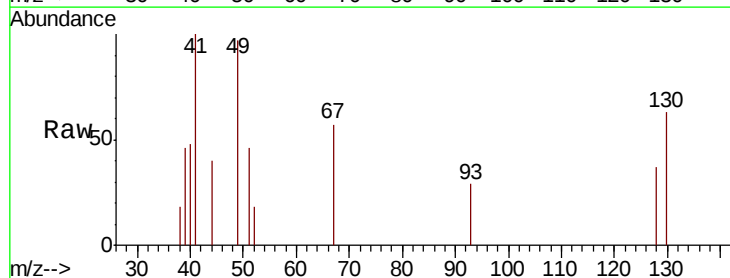
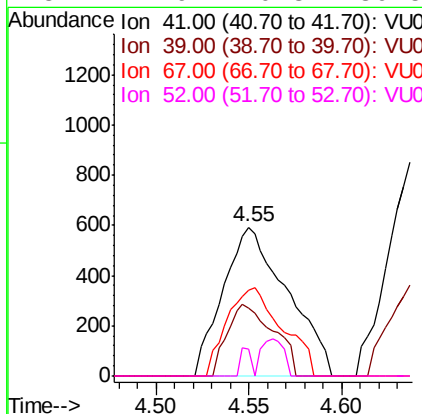
Manual Integrations
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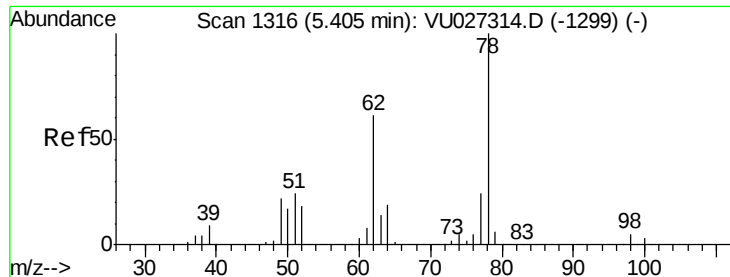
MMDadoda
10/3/2018 11:41:40 AM



#41
Methacrylonitrile
Concen: 0.930 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion: 41 Resp: 1426
Ion Ratio Lower Upper
41 100
39 34.8 41.1 61.7#
67 50.8 50.4 75.6
52 2.9 20.3 30.5#





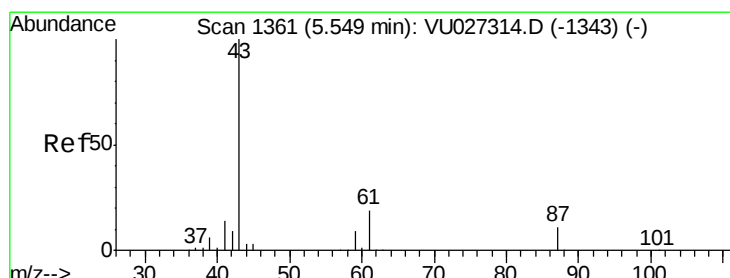
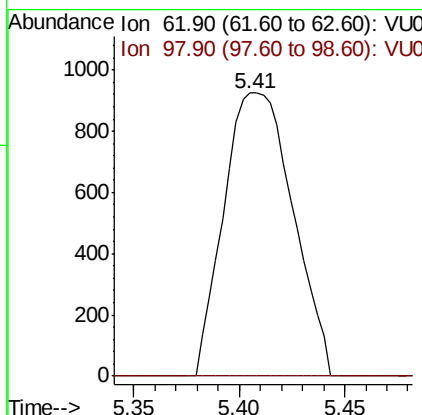
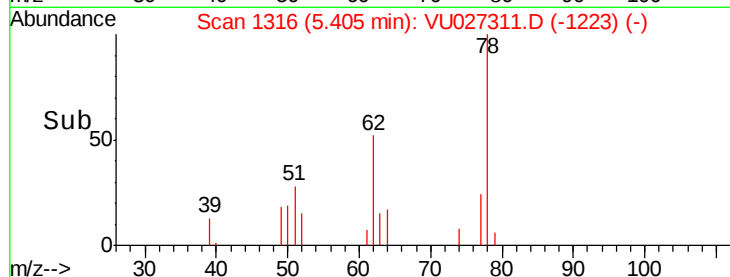
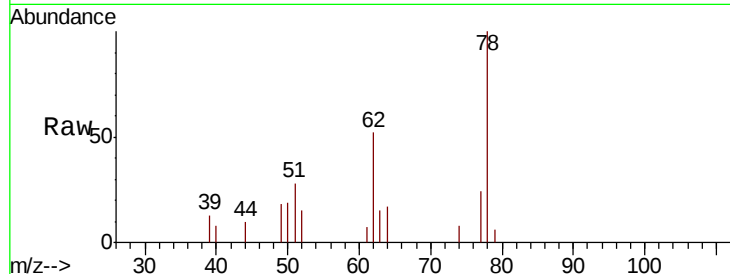
#42
 1,2-Dichloroethane
 Concen: 0.927 ug/l
 RT: 5.41 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8

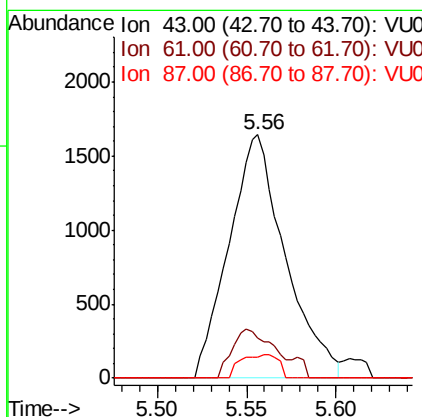
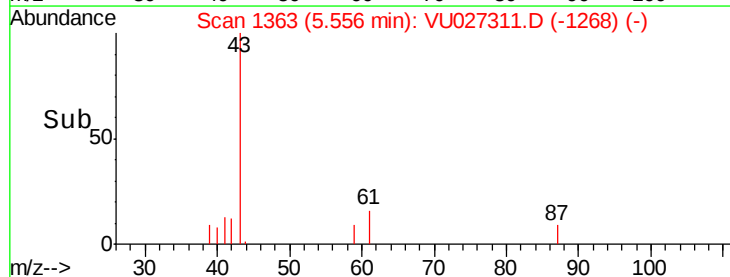
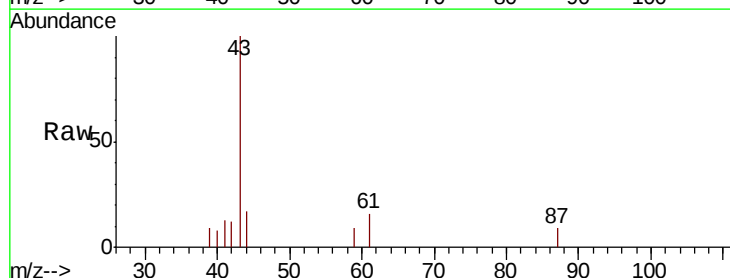
Manual Integrations
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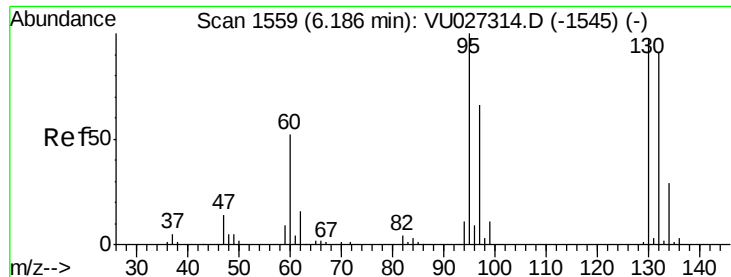
MMDadoda
 10/3/2018 11:41:40 AM



#43
 Isopropyl Acetate
 Concen: 0.856 ug/l
 RT: 5.56 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.5	15.3	22.9
87	6.6	8.6	13.0#





#44

Trichloroethene

Concen: 0.984 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 1342

Ion Ratio Lower Upper

130 100

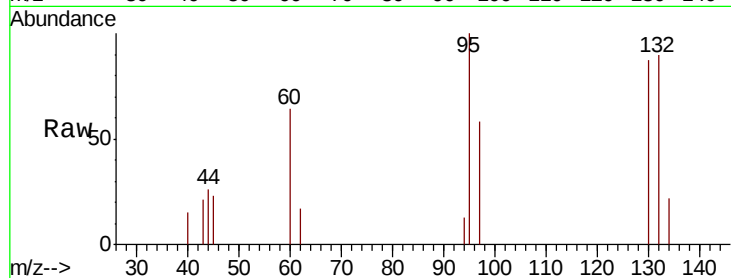
95 114.6 0.0 207.0

Manual Integrations

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MMDadoda

10/3/2018 11:41:40 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

800

600

400

200

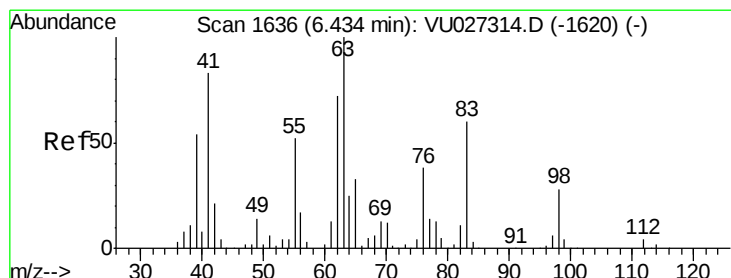
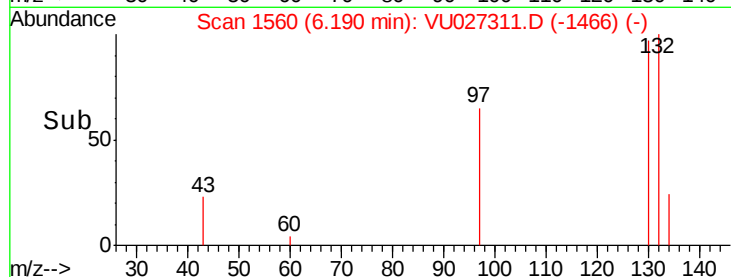
0

6.15

6.20

6.19

Time-->



#45

1,2-Dichloropropane

Concen: 0.917 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027311.D

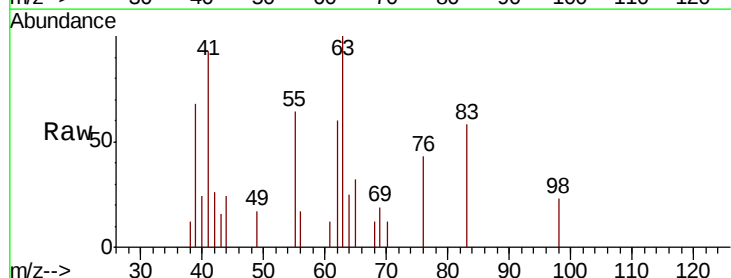
Acq: 01 Oct 2018 10:07

Tgt Ion: 63 Resp: 1618

Ion Ratio Lower Upper

63 100

65 31.7 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

1000

800

600

400

200

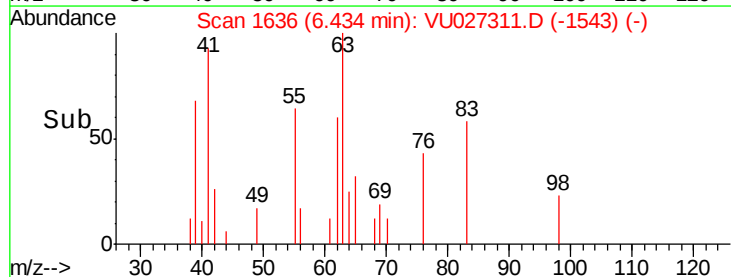
0

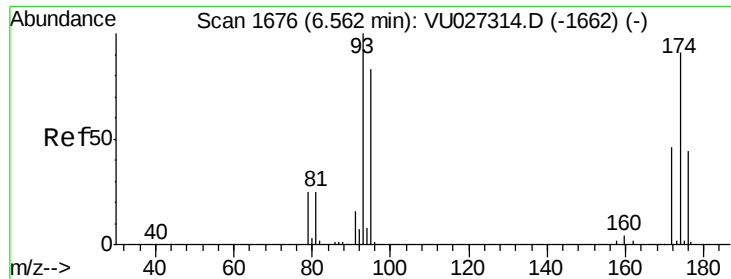
6.40

6.45

6.43

Time-->





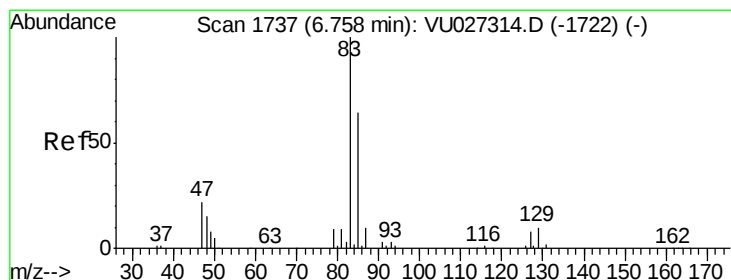
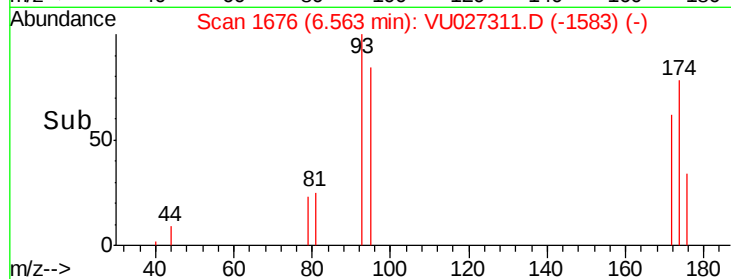
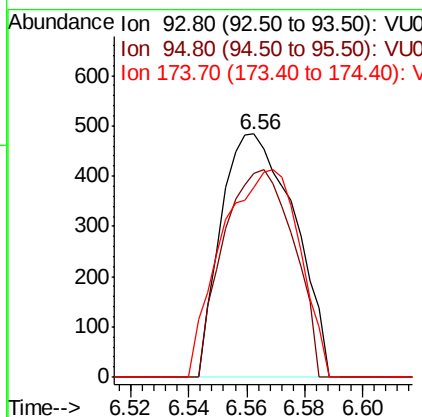
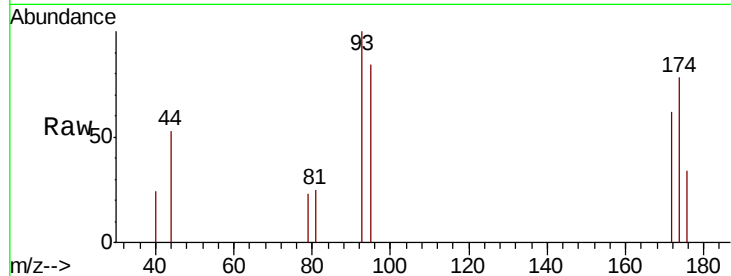
#46
Dibromomethane
Concen: 0.849 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 846
Ion Ratio Lower Upper
93 100
95 81.9 66.5 99.7
174 91.0 72.5 108.7

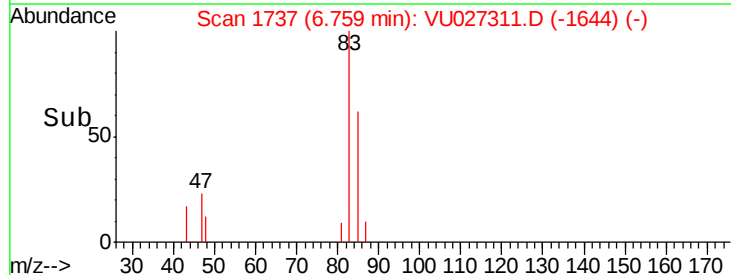
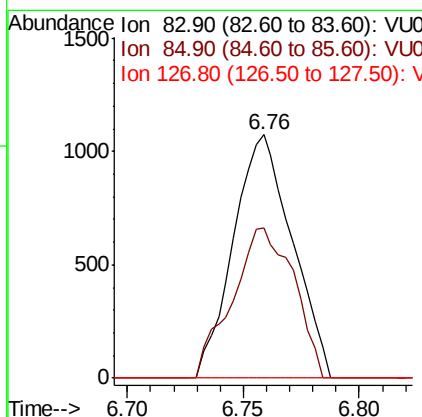
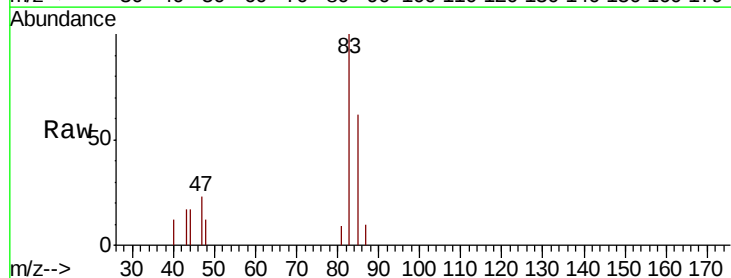
Manual Integrations
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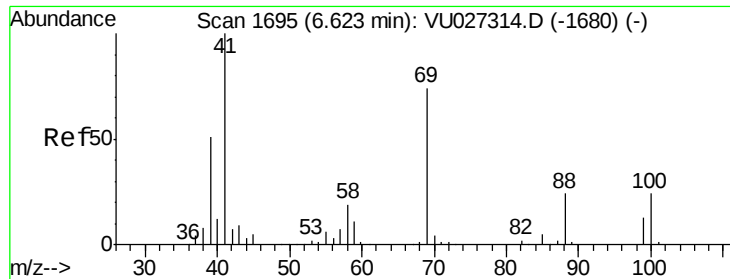
MMDadoda
10/3/2018 11:41:40 AM



#47
Bromodichloromethane
Concen: 0.916 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion: 83 Resp: 1893
Ion Ratio Lower Upper
83 100
85 61.8 51.4 77.0
127 0.0 6.3 9.5#





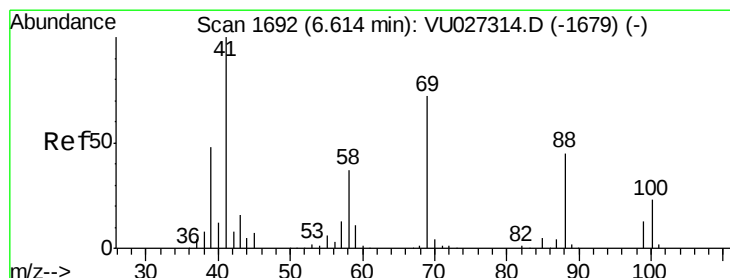
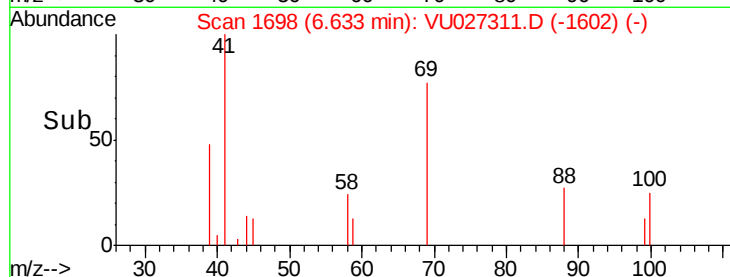
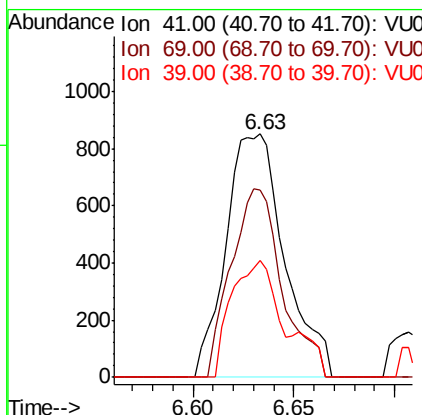
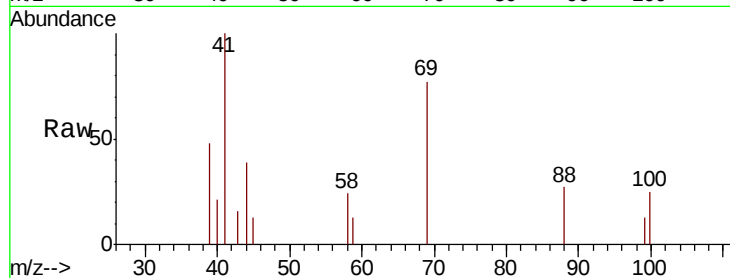
#48
Methvl methacrylate
Concen: 0.825 ug/l
RT: 6.63 min Scan# 1698
Delta R.T. 0.01 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	67.9	61.0	91.4
39	38.0	39.9	59.9#

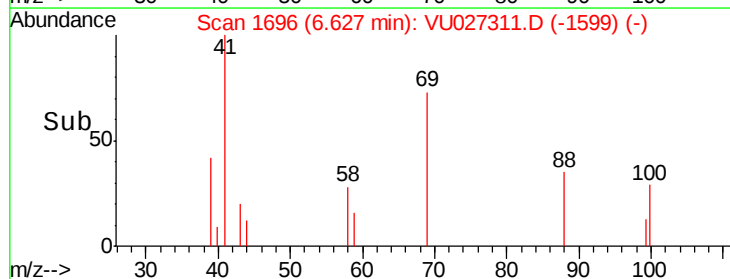
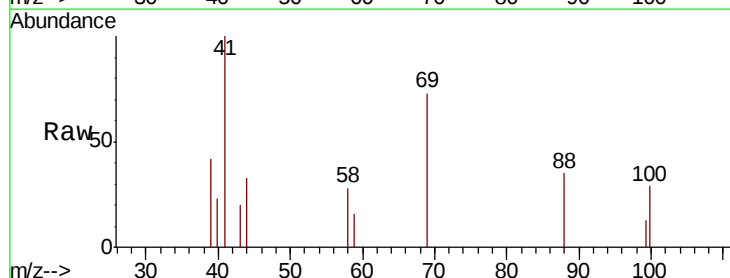
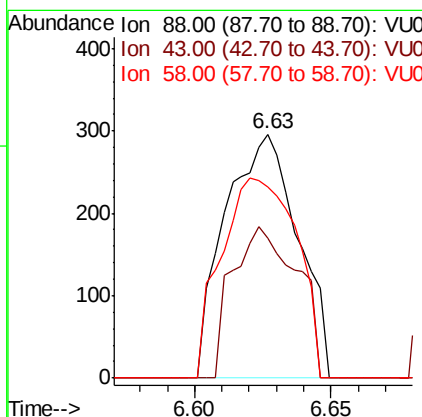
Manual Integrations
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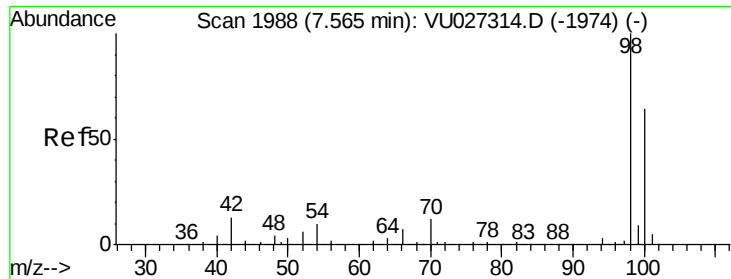
MMDadoda
10/3/2018 11:41:40 AM



#49
1,4-Dioxane
Concen: 15.199 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
88	100		
43	55.5	30.8	46.2#
58	85.0	67.0	100.6





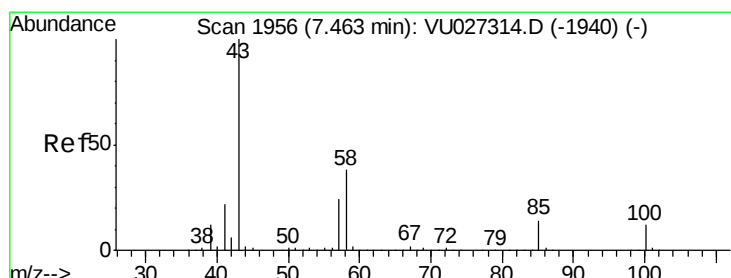
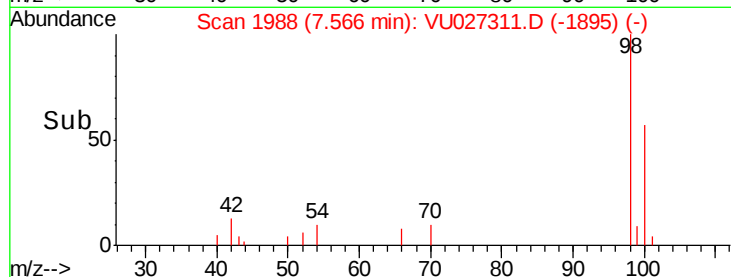
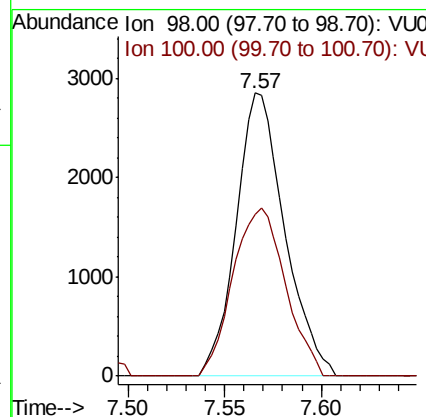
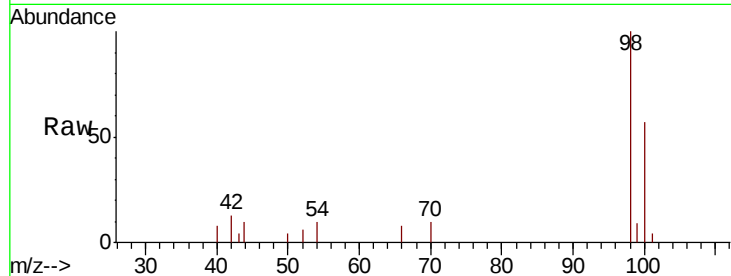
#50
Toluene-d8
Concen: 1.001 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98 Resp: 4962
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

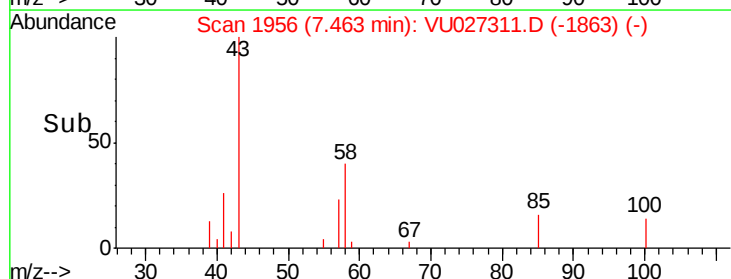
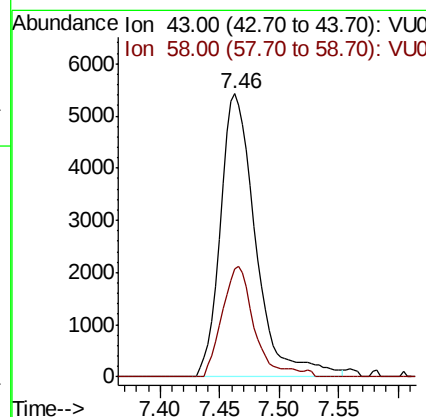
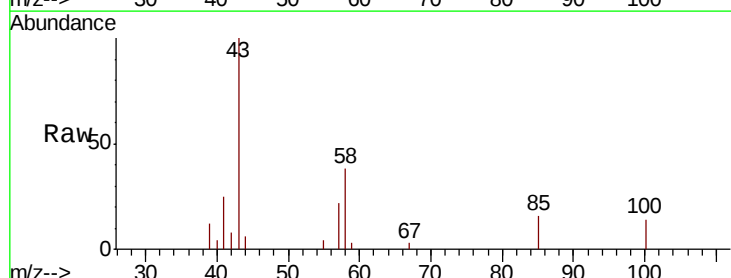
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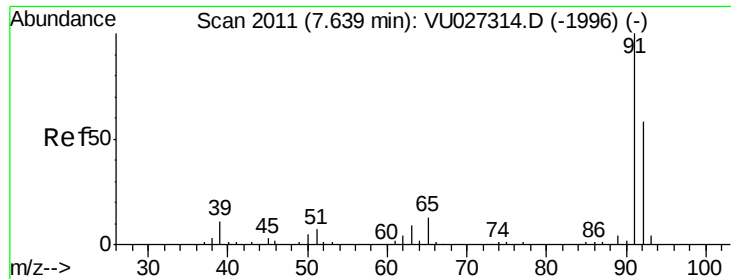
MMDadoda
10/3/2018 11:41:40 AM



#51
4-Methyl-2-Pentanone
Concen: 4.081 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion: 43 Resp: 11175
Ion Ratio Lower Upper
43 100
58 34.2 29.8 44.8





#52

Toluene

Concen: 0.896 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 3243

Ion Ratio Lower Upper

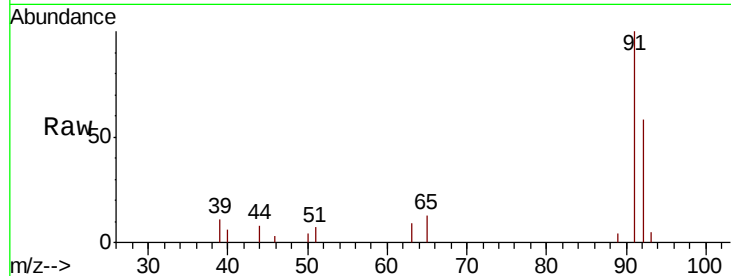
92 100

91 172.2 138.6 208.0

Manual Integrations
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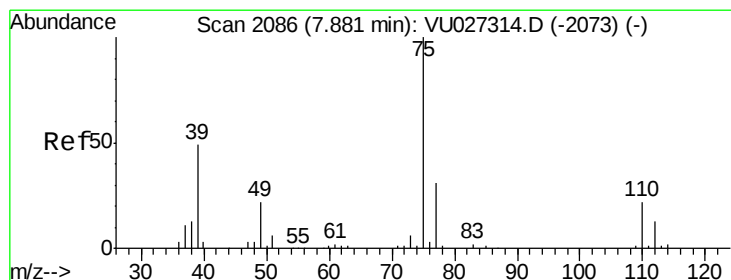
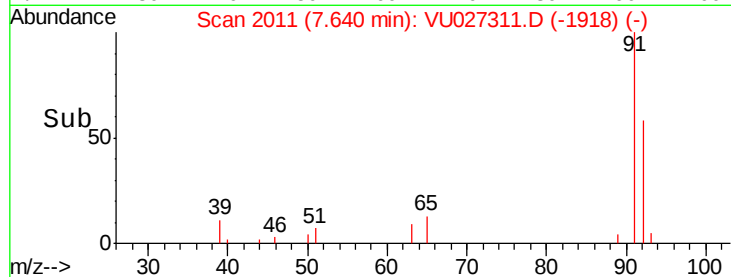
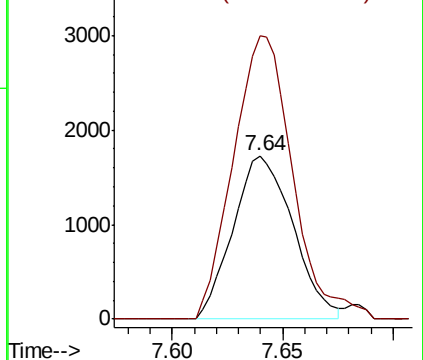
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VU027311.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027311.D (-1918) (-)



#53

t-1,3-Dichloropropene

Concen: 0.807 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027311.D

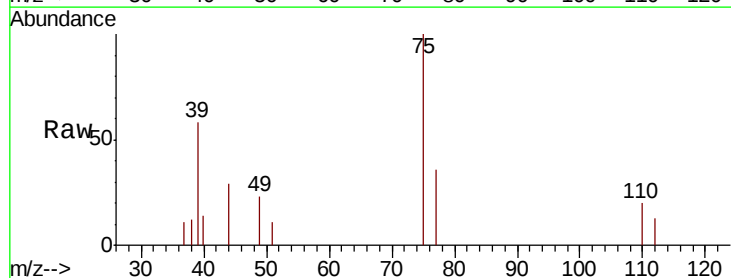
Acq: 01 Oct 2018 10:07

Tgt Ion: 75 Resp: 1956

Ion Ratio Lower Upper

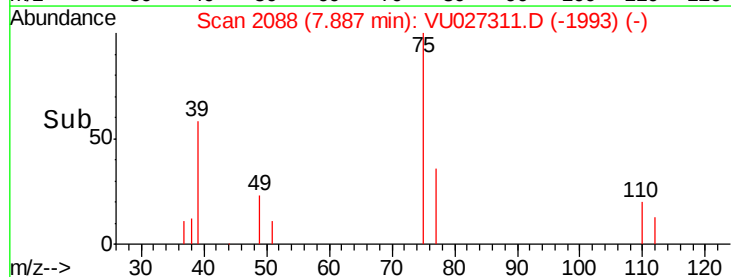
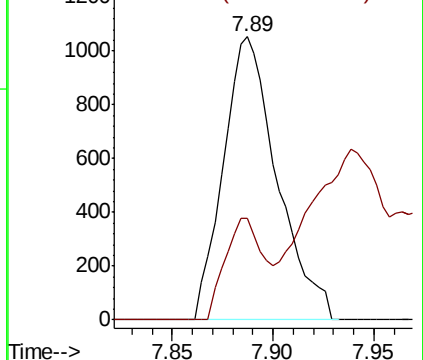
75 100

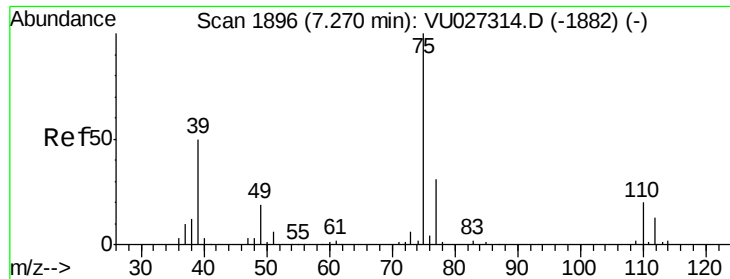
77 35.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VU027311.D (-1993) (-)

Ion 76.90 (76.60 to 77.60): VU027311.D (-1993) (-)





#54

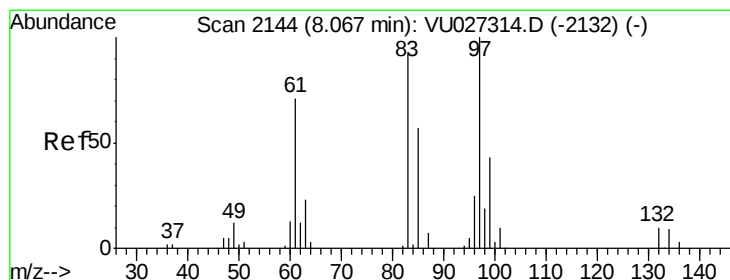
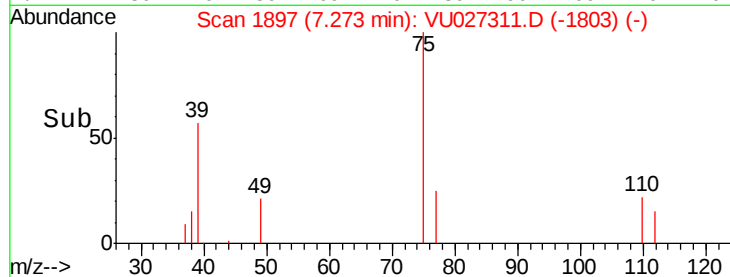
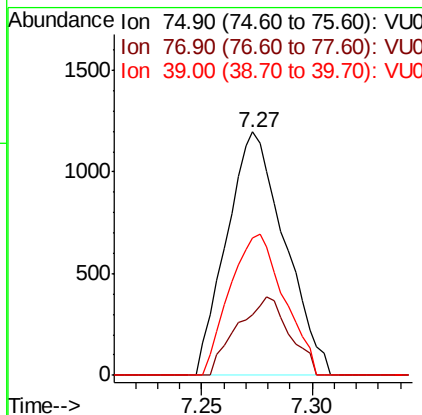
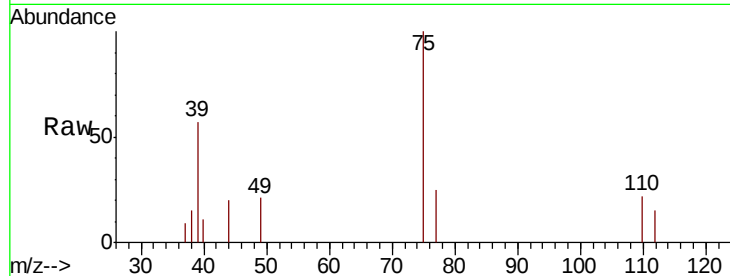
cis-1,3-Dichloropropene
Concen: 0.837 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	24.8	24.5	36.7
39	56.6	40.1	60.1

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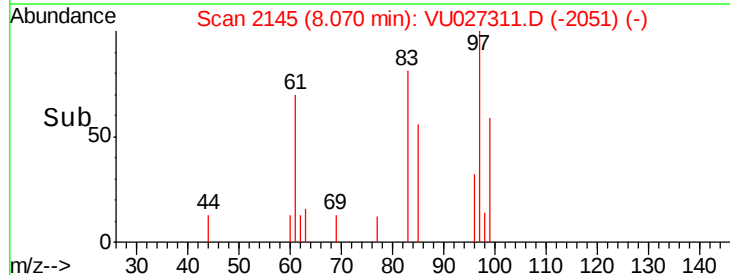
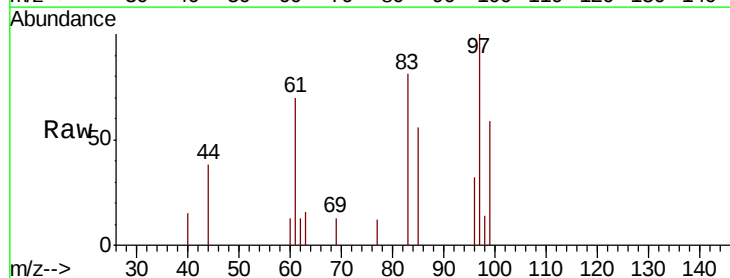
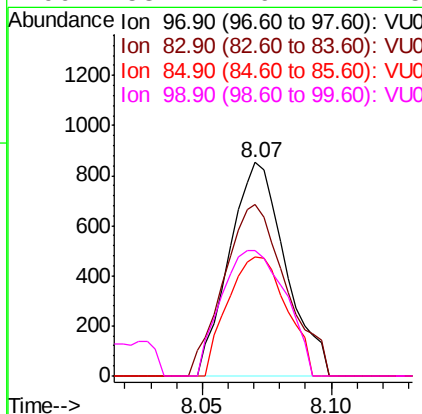
MMDadoda
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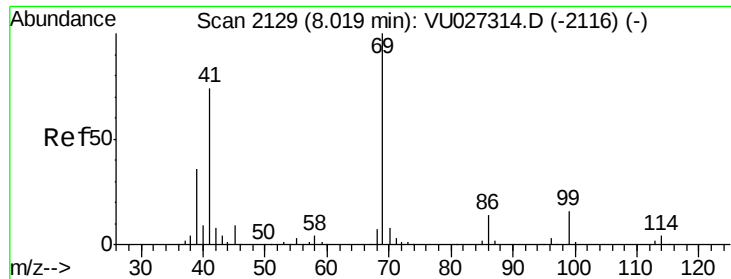


#55

1,1,2-Trichloroethane
Concen: 0.900 ug/l
RT: 8.07 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.5	73.0	109.6
85	55.6	47.3	70.9
99	58.7	49.7	74.5





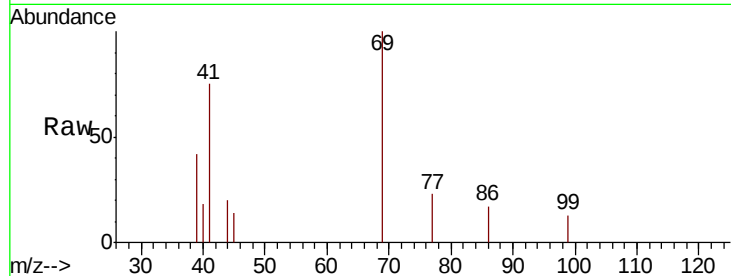
#56
Ethyl methacrylate
Concen: 0.668 ug/l
RT: 8.03 min Scan# 2131
Delta R.T. 0.01 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

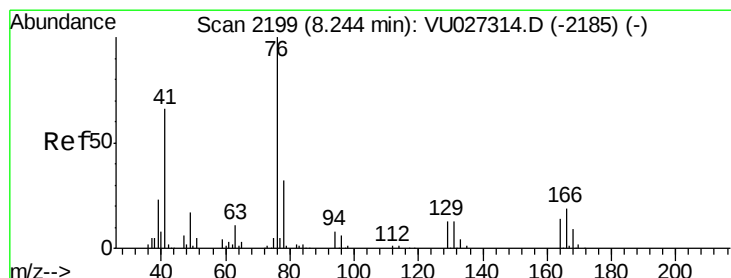
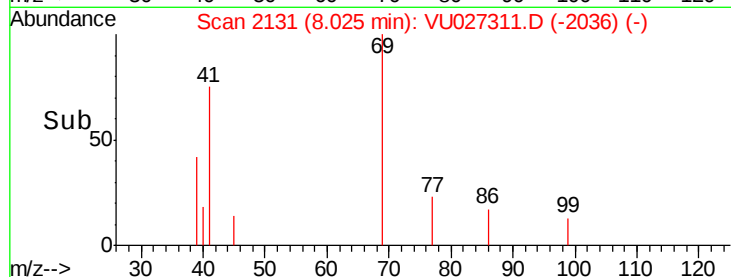
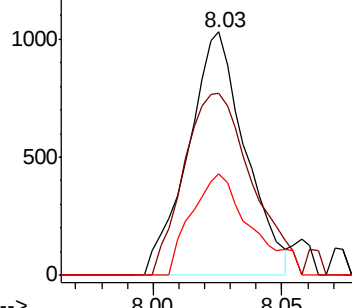
Tot Ion	Ratio	Lower	Upper
69	100		
41	88.6	60.0	90.0
39	43.1	29.5	44.3

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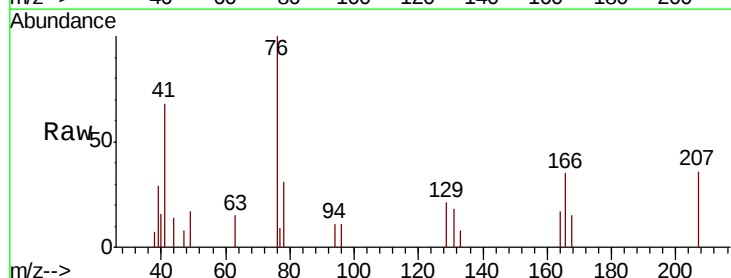


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

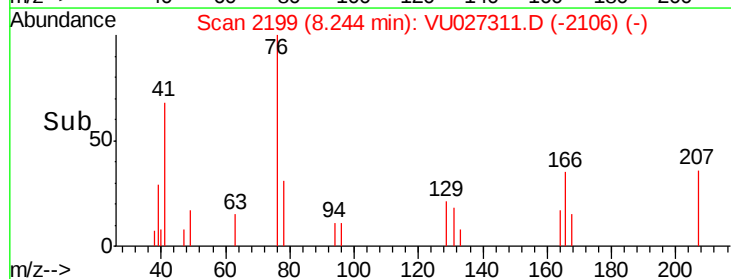
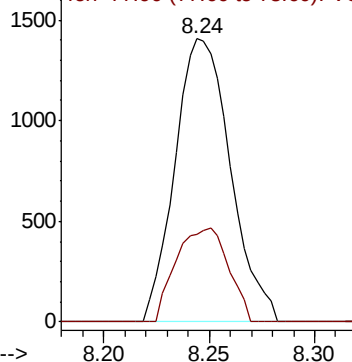


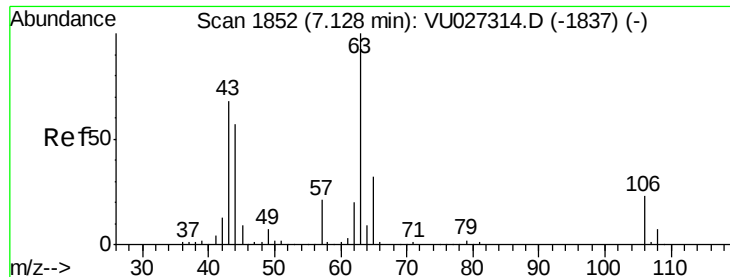
#57
1,3-Dichloropropane
Concen: 0.924 ug/l
RT: 8.24 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6



Abundance Ion 75.90 (75.60 to 76.60): VU0
Ion 77.90 (77.60 to 78.60): VU0





#58

2-Chloroethyl Vinyl ether

Concen: 3.500 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 4657

Ion Ratio Lower Upper

63 100

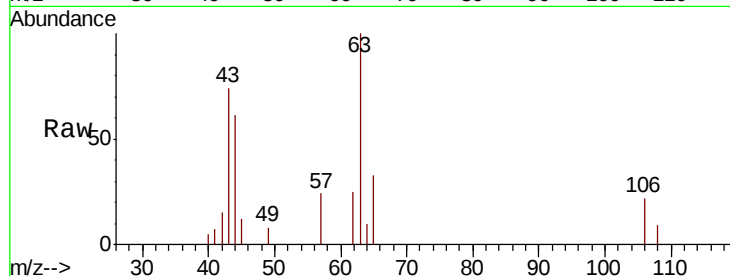
106 19.3 18.5 27.7

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Abundance Ion 62.90 (62.60 to 63.60): VU027311.D (-1759) (-)

Ion 105.90 (105.60 to 106.60): VU027311.D (-1759) (-)

7.13

2500

2000

1500

1000

500

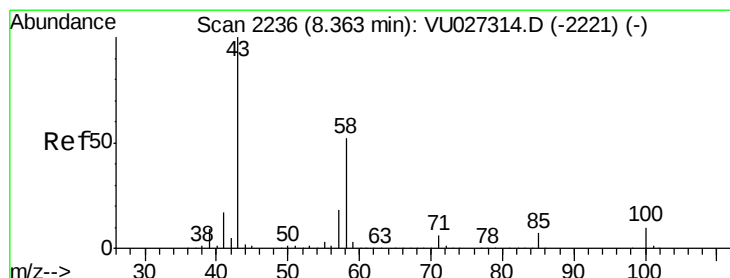
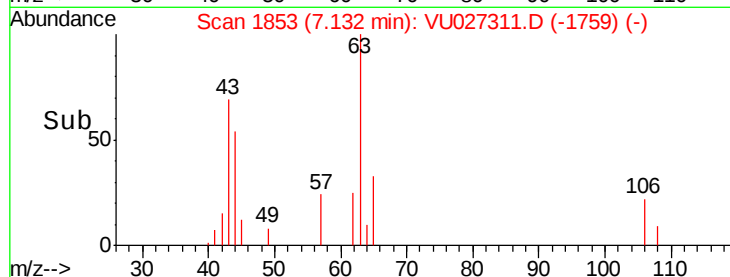
0

7.10

7.15

7.20

Time-->



#59

2-Hexanone

Concen: 4.085 ug/l

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU027311.D

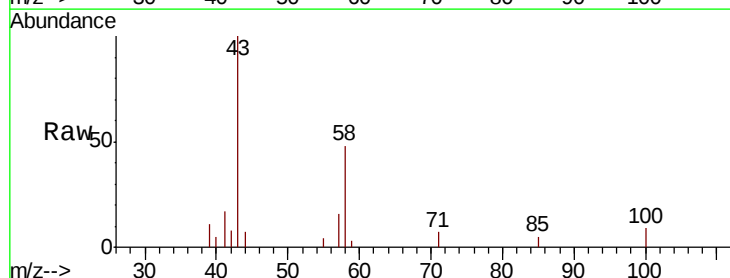
Acq: 01 Oct 2018 10:07

Tgt Ion: 43 Resp: 8677

Ion Ratio Lower Upper

43 100

58 47.5 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU027311.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU027311.D (-2143) (-)

8.37

5000

4000

3000

2000

1000

0

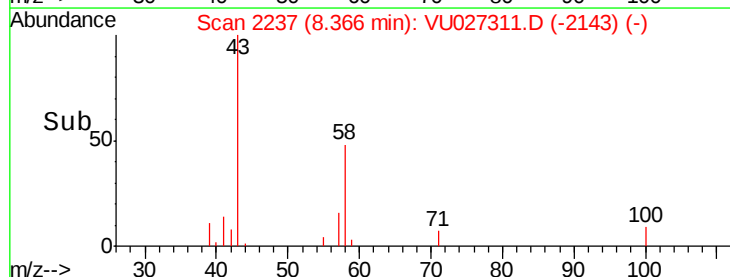
8.30

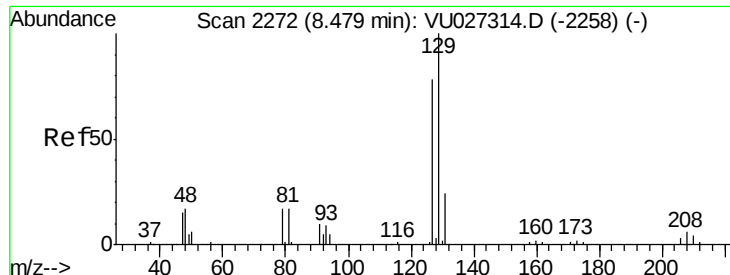
8.35

8.40

8.45

Time-->





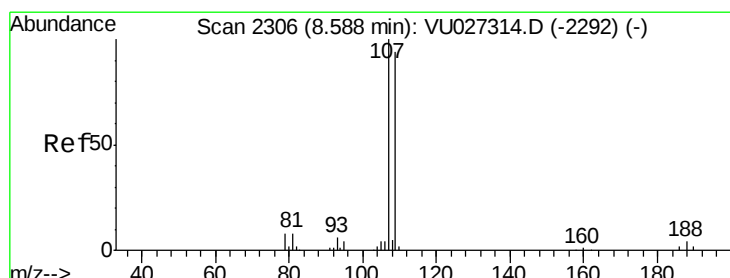
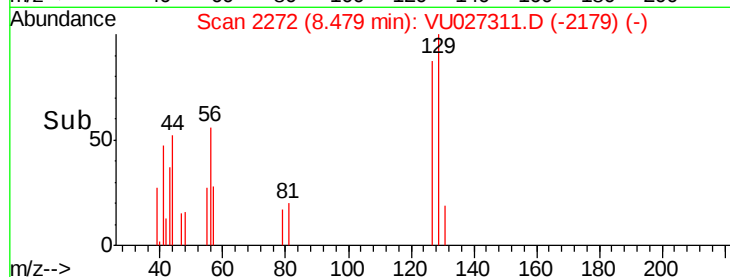
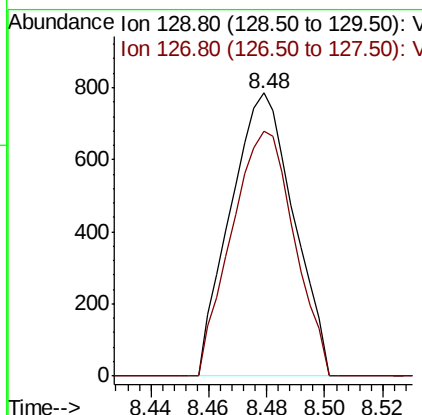
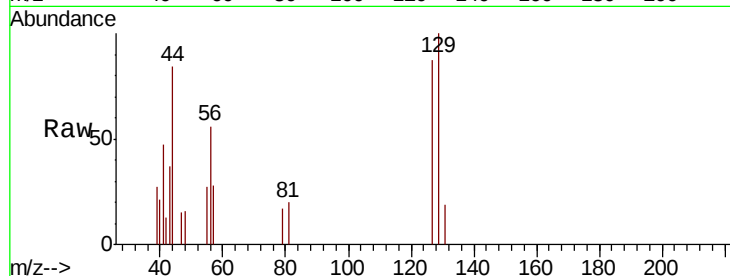
#60
Dibromochloromethane
Concen: 0.825 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	85.9	39.1	117.2

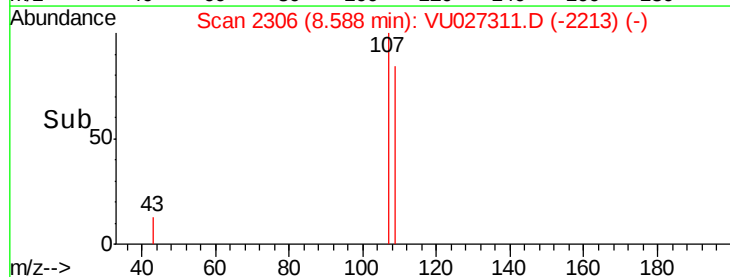
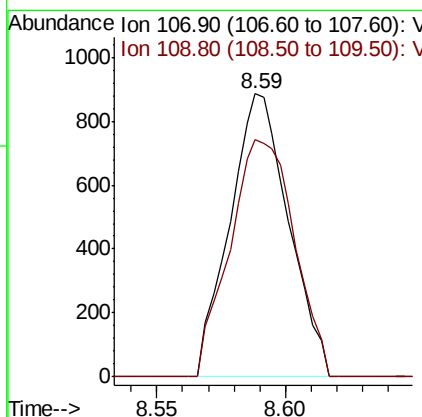
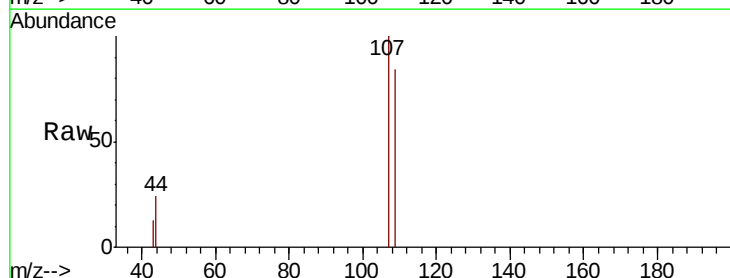
Manual Integrations
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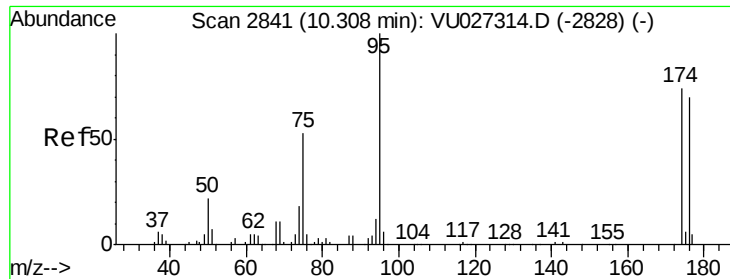
MMDadoda
10/3/2018 11:41:40 AM



#61
1,2-Dibromoethane
Concen: 0.920 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.5	111.7





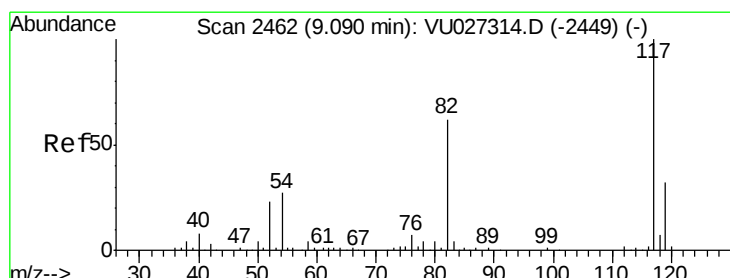
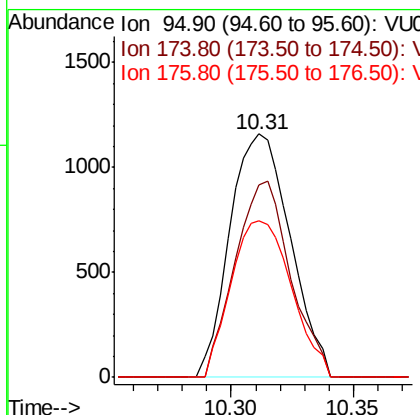
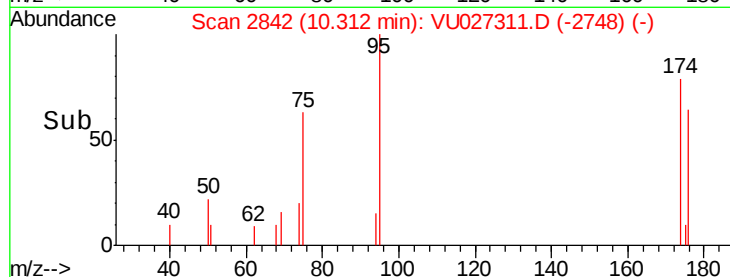
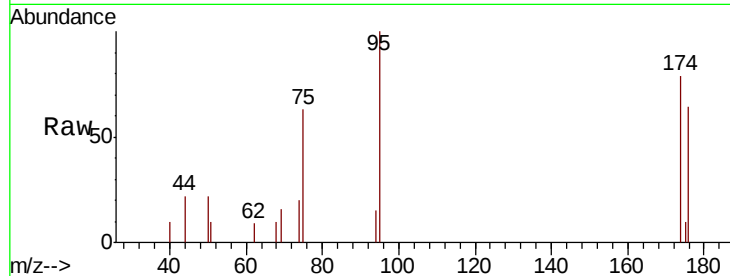
#62
4-Bromofluorobenzene
Concen: 1.096 ug/l
RT: 10.31 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	1989		
174	73.9		0.0	147.8
176	64.5		0.0	140.8

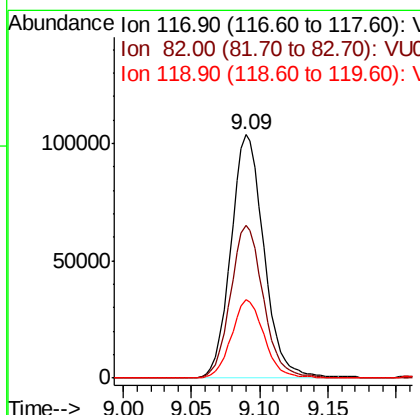
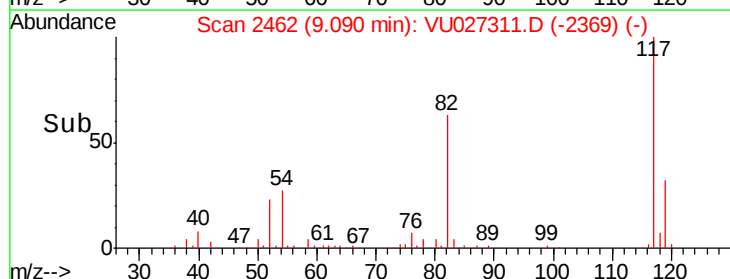
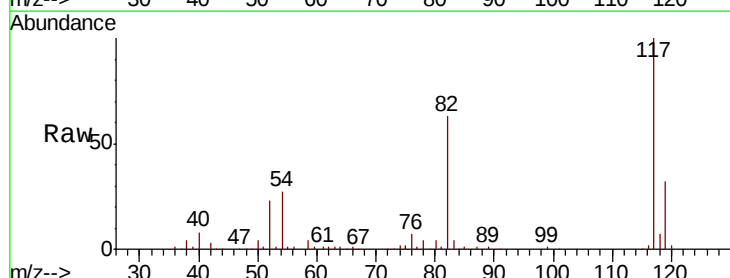
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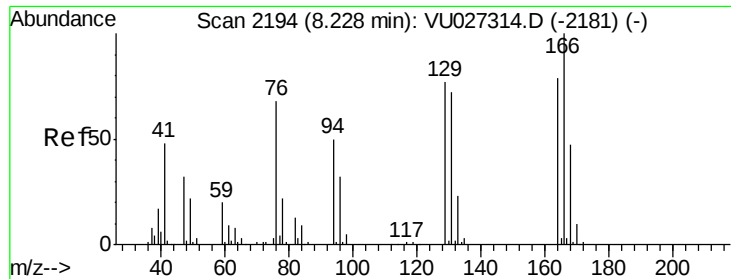
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	174543		
82	62.7		49.2	73.8
119	32.1		25.7	38.5





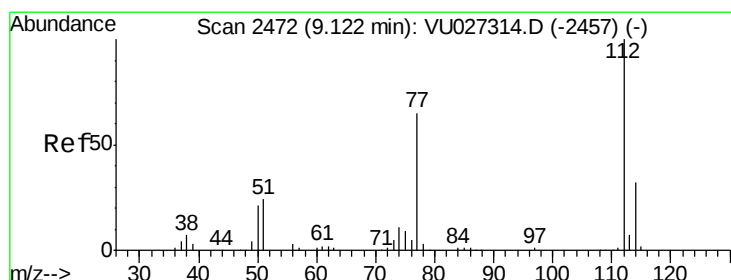
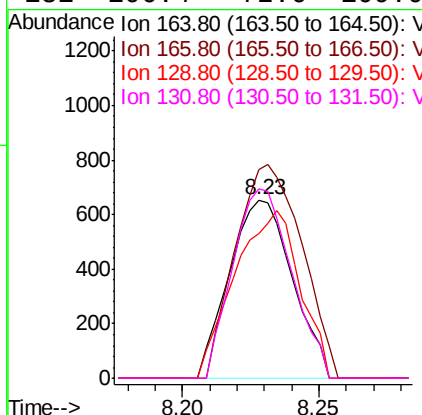
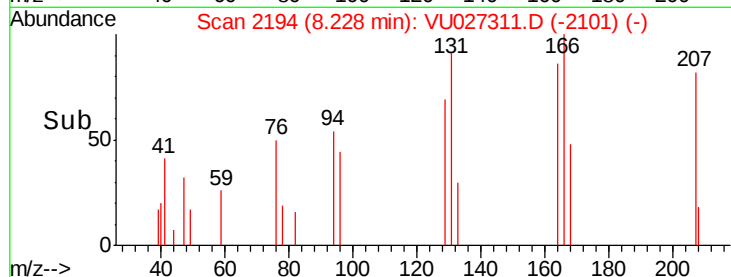
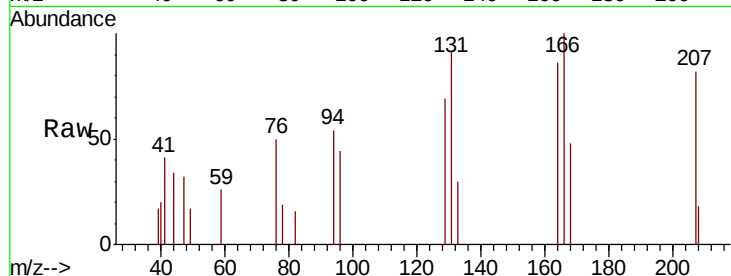
#64
Tetrachloroethene
Concen: 0.964 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	116.7	101.0	151.6
129	81.0	78.0	117.0
131	106.4	72.6	109.0

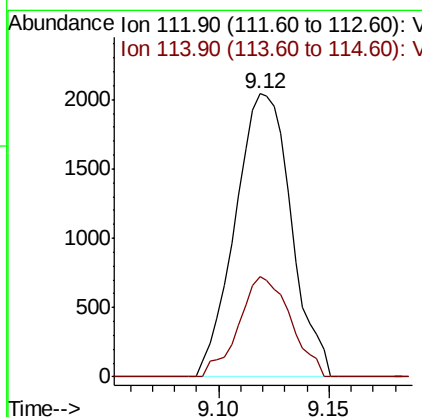
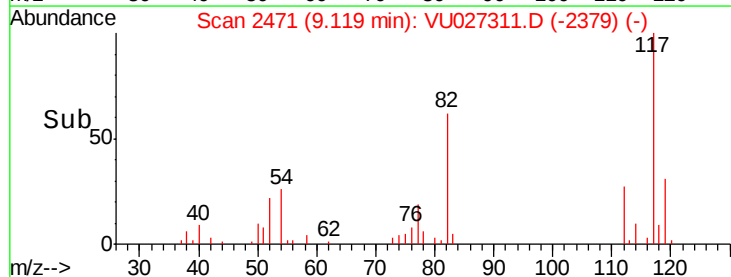
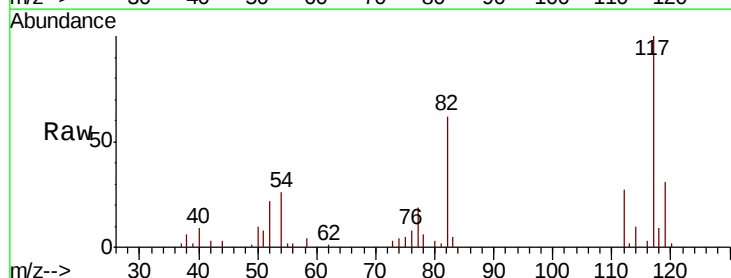
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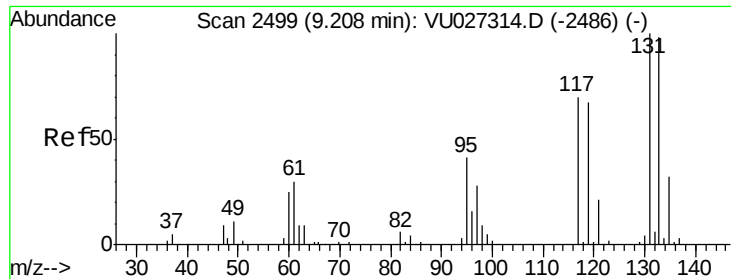
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#65
Chlorobenzene
Concen: 0.977 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.6	25.8	38.6





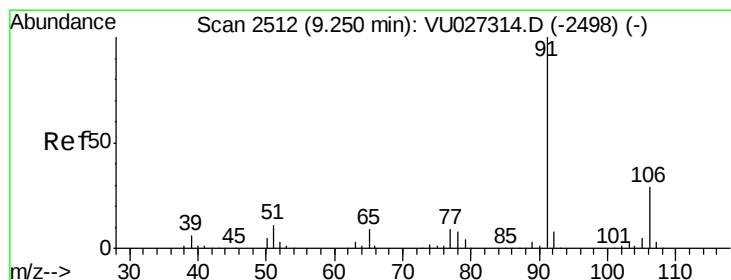
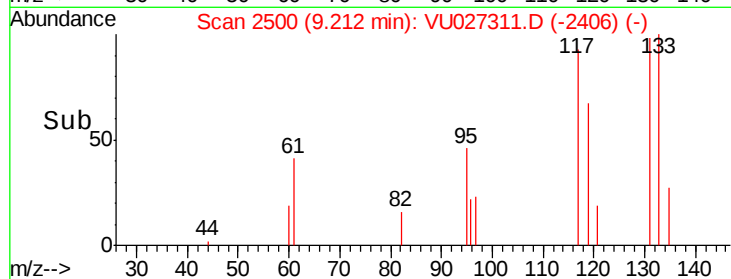
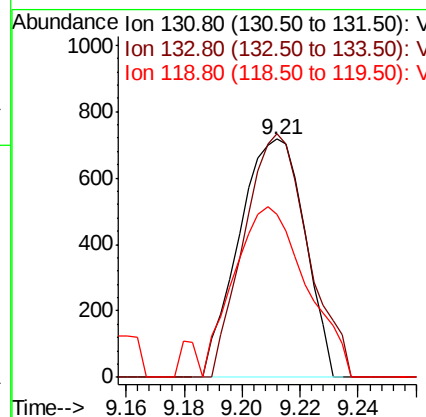
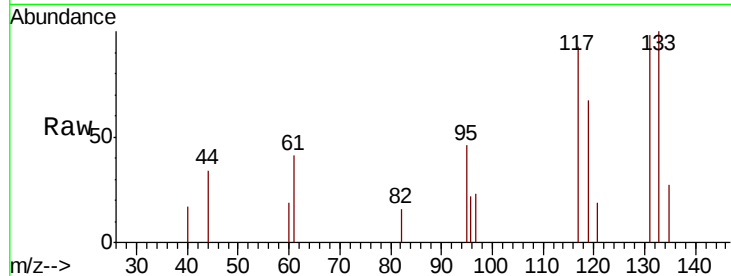
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.890 ug/l
 RT: 9.21 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	99.1	48.5	145.6
119	0.0	33.5	100.4

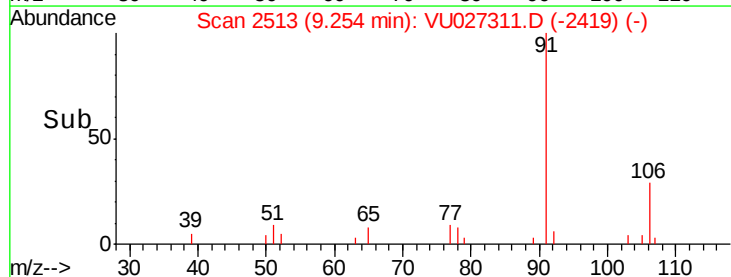
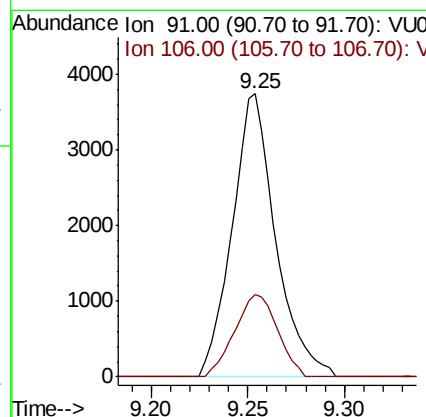
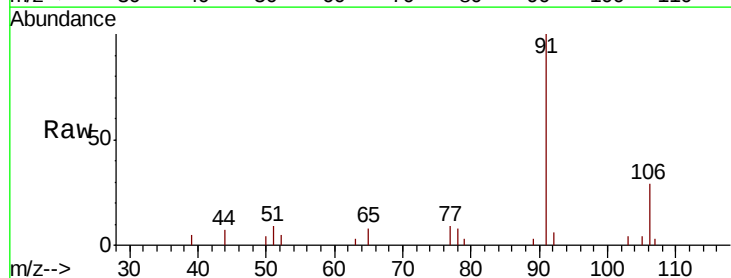
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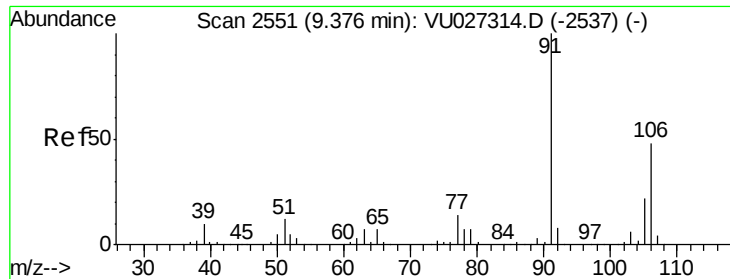
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 10/3/2018 11:41:40 AM



#67
 Ethyl Benzene
 Concen: 0.896 ug/l
 RT: 9.25 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.6	35.4





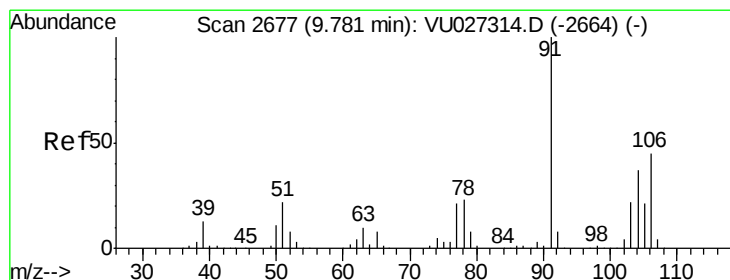
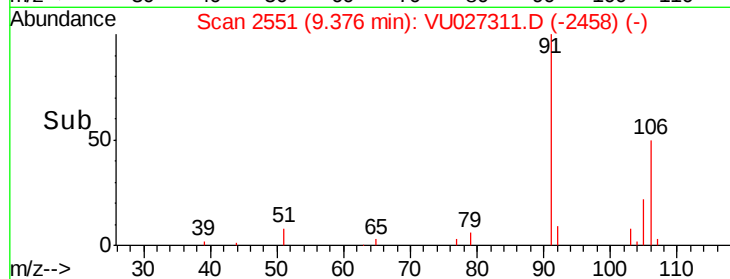
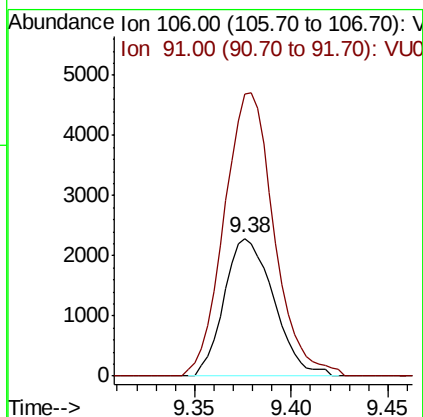
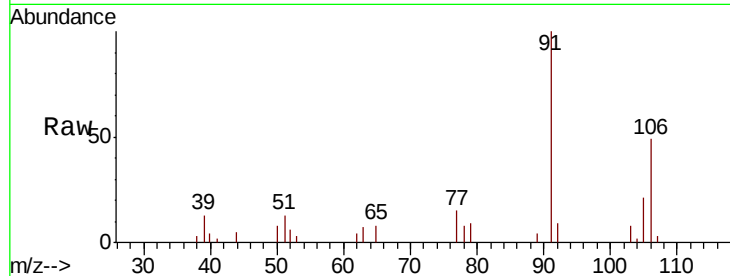
#68
m/p-Xylenes
Concen: 1.717 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 4089
Ion Ratio Lower Upper
106 100
91 206.7 168.1 252.1

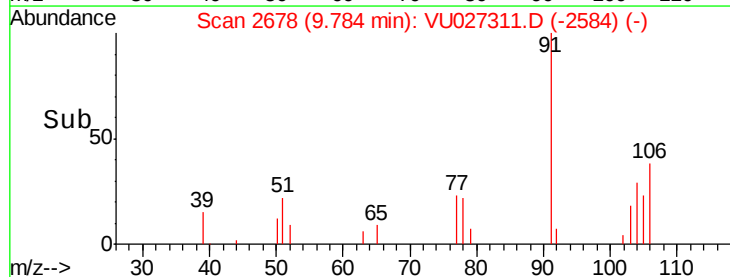
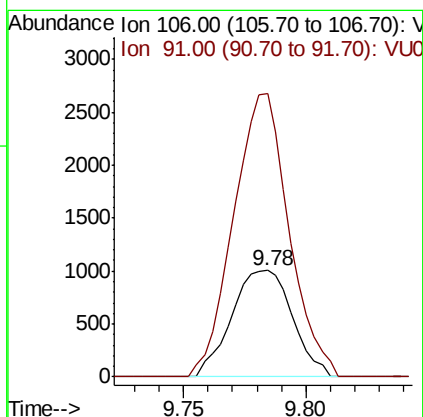
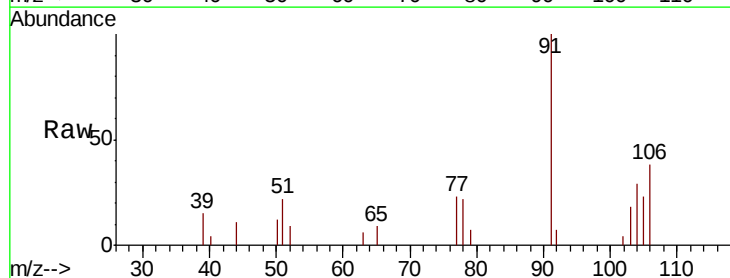
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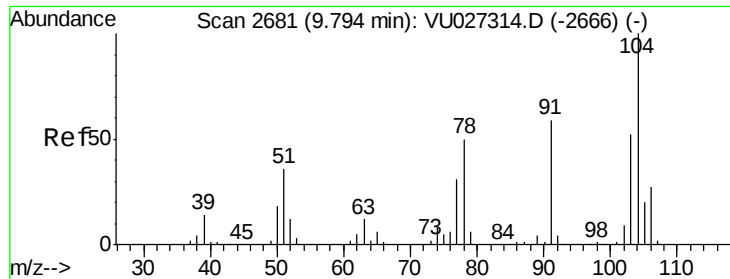
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#69
o-Xylene
Concen: 0.770 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion:106 Resp: 1742
Ion Ratio Lower Upper
106 100
91 241.6 111.7 334.9





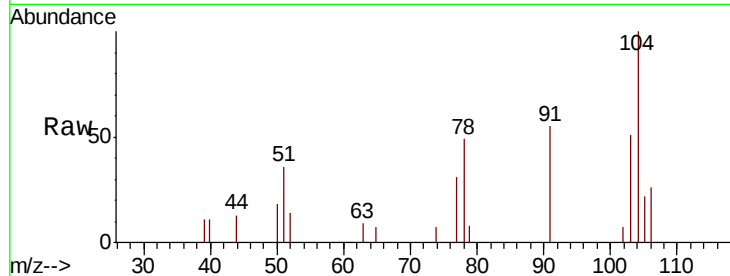
#70
Stvrene
Concen: 0.761 ug/l
RT: 9.80 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

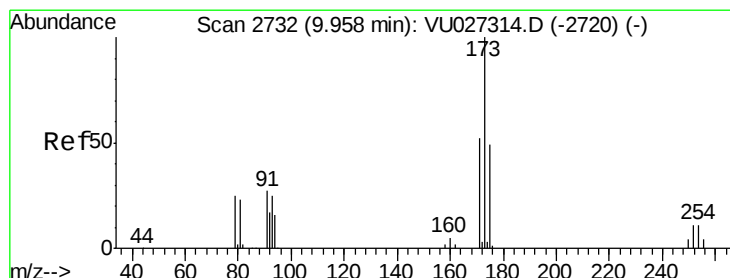
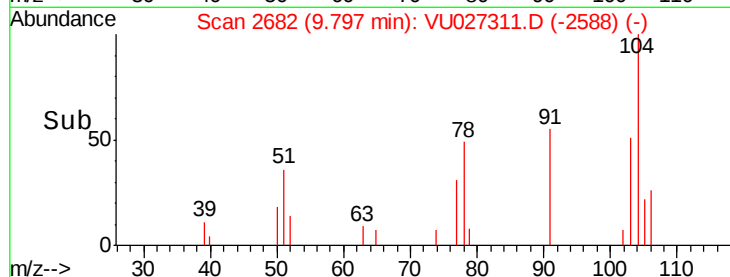
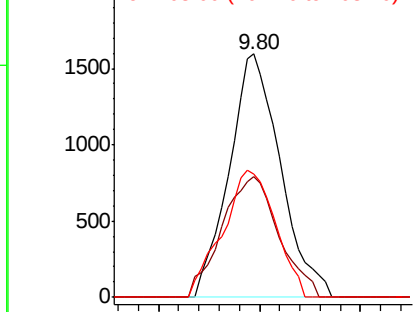
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.9	42.9	64.3
103	53.6	43.9	65.9

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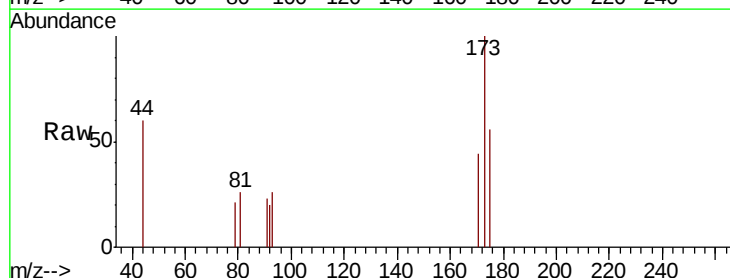


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

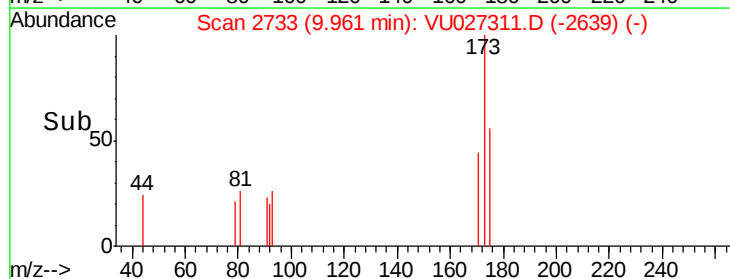
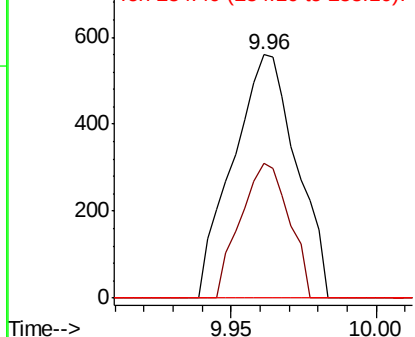


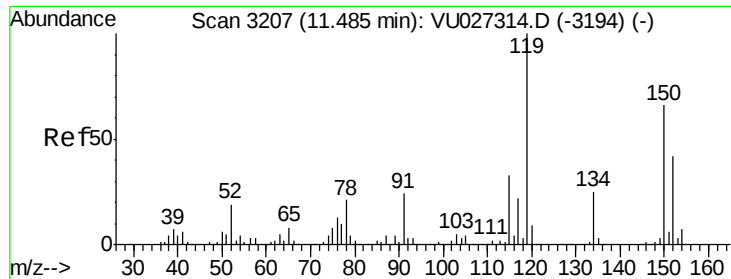
#71
Bromoform
Concen: 0.837 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
173	100		
175	42.3	24.3	73.0
254	0.0	0.0	0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 75584

Ion Ratio Lower Upper

152 100

115 61.2 43.4 130.2

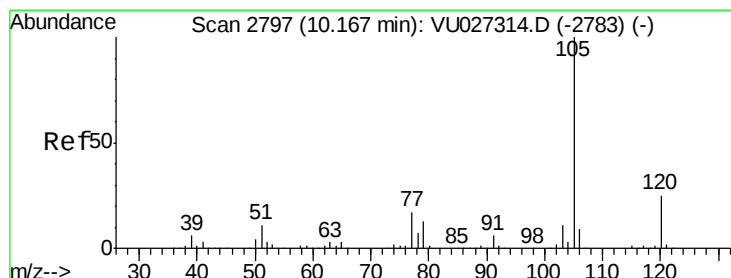
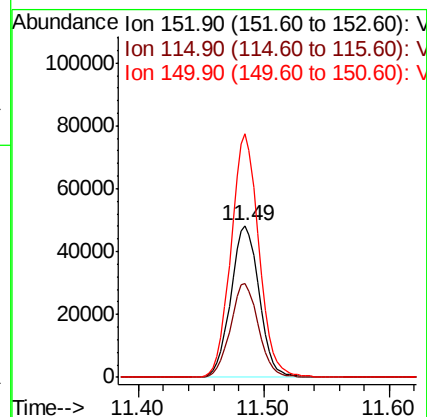
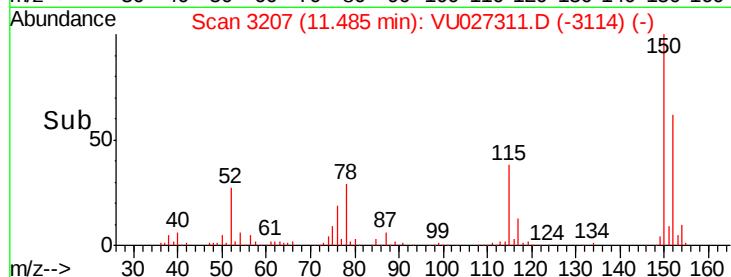
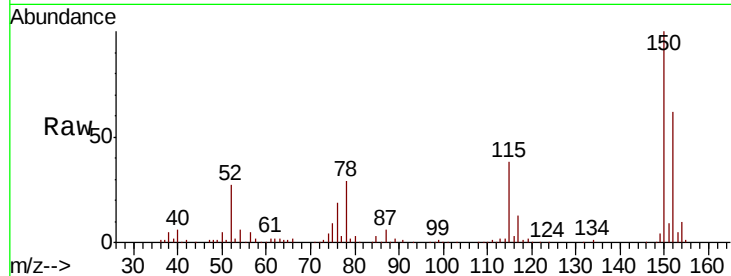
150 158.0 0.0 349.2

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#73

Isopropylbenzene

Concen: 0.895 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027311.D

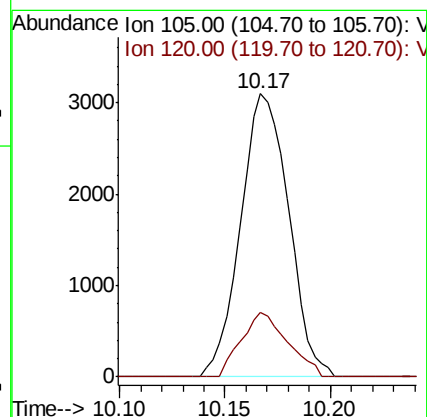
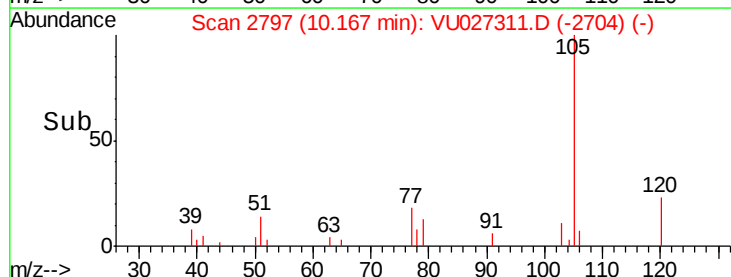
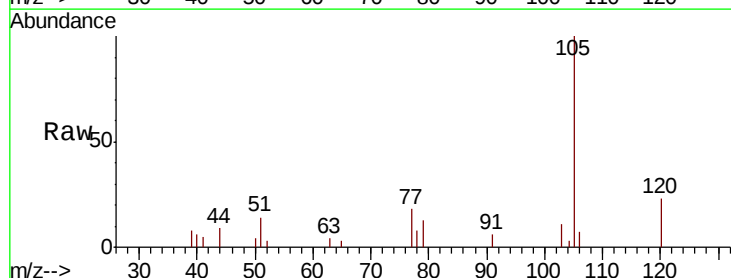
Acq: 01 Oct 2018 10:07

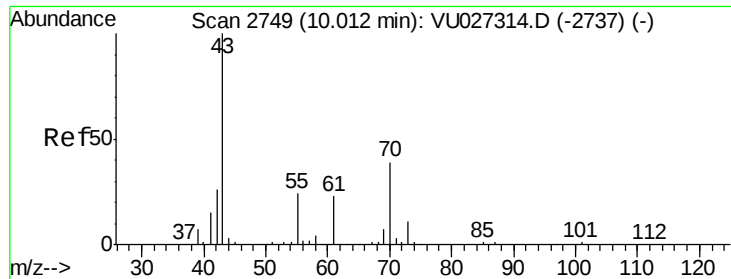
Tgt Ion:105 Resp: 4915

Ion Ratio Lower Upper

105 100

120 21.9 12.6 37.8





#74

N-amvl acetate

Concen: 0.856 ug/l

RT: 10.02 min Scan# 2751

Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 2689

Ion Ratio Lower Upper

43 100

70 31.1 31.3 46.9#

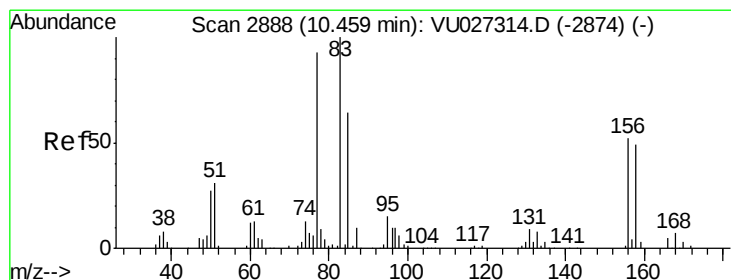
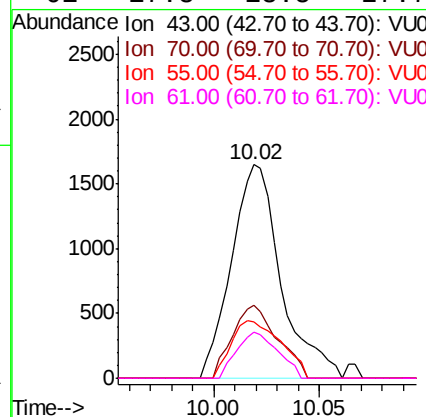
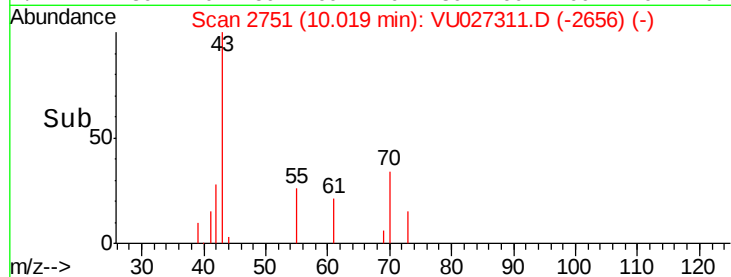
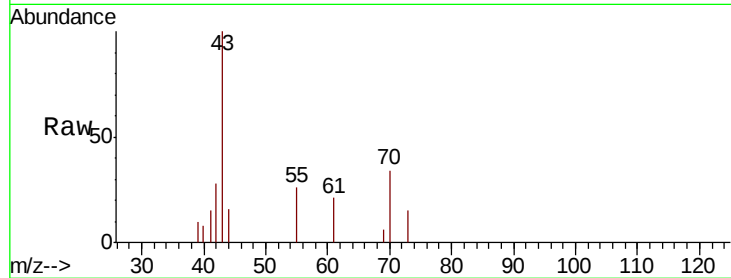
55 27.2 19.0 28.6

61 17.8 18.5 27.7#

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#75

1,1,2,2-Tetrachloroethane

Concen: 0.973 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

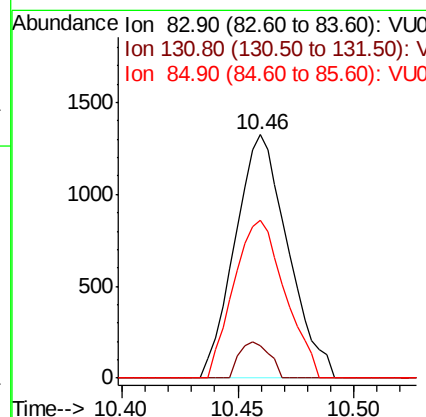
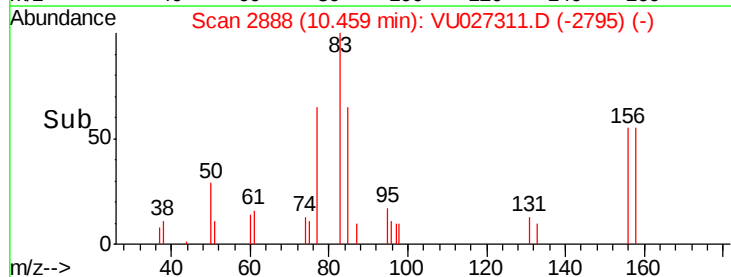
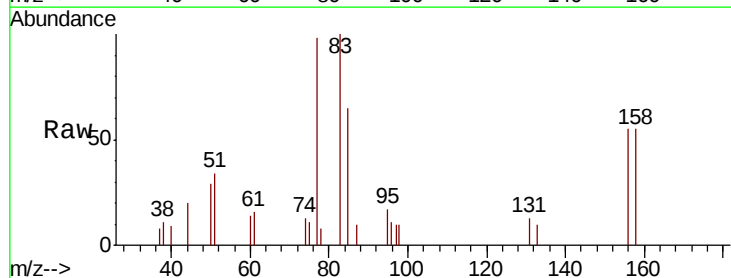
Tgt Ion: 83 Resp: 2097

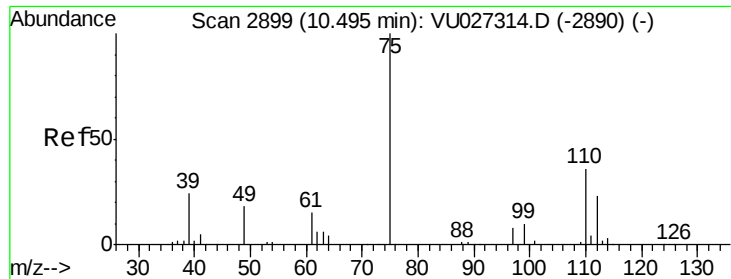
Ion Ratio Lower Upper

83 100

131 8.4 4.4 13.2

85 62.9 32.0 96.0





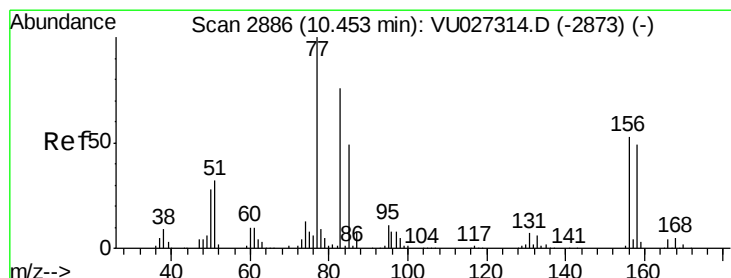
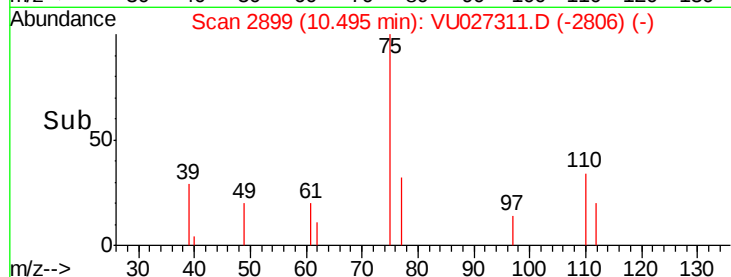
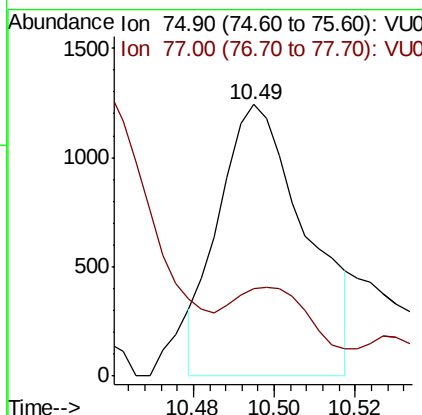
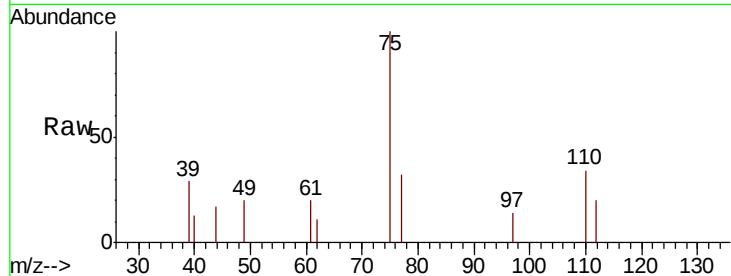
#76
 1,2,3-Trichloropropane
 Concen: 0.881 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1857
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.3 60.9

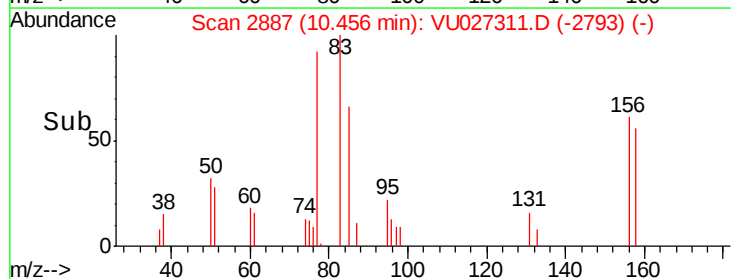
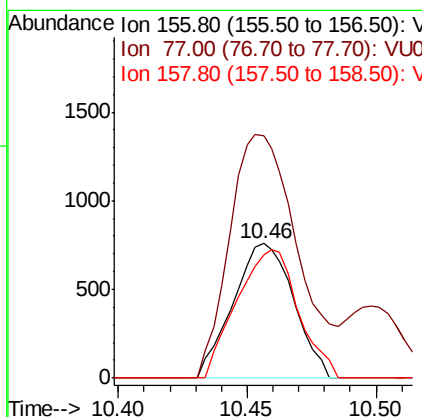
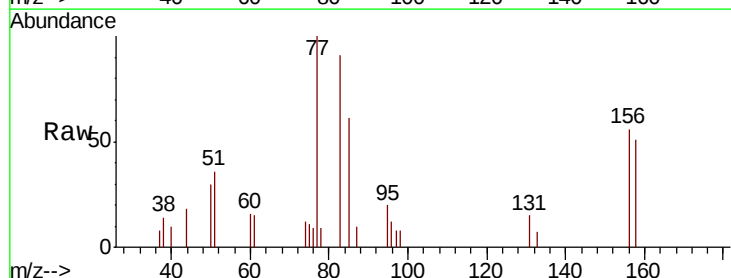
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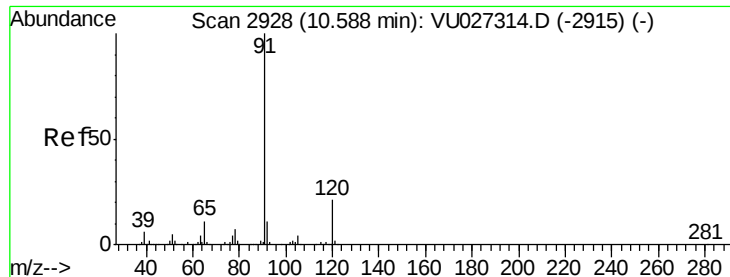
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#77
 Bromobenzene
 Concen: 0.975 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion: 156 Resp: 1244
 Ion Ratio Lower Upper
 156 100
 77 203.5 94.8 284.4
 158 96.9 47.4 142.3





#78

n-propylbenzene

Concen: 0.873 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 5756

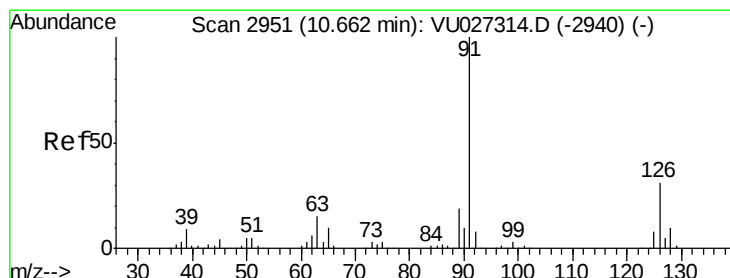
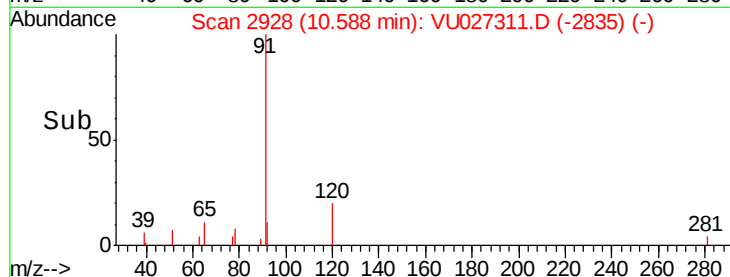
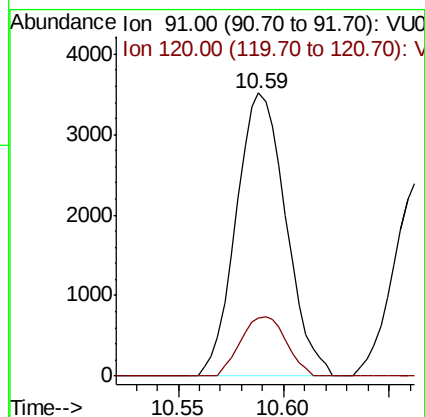
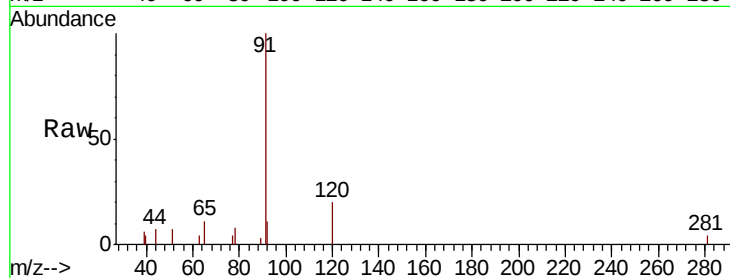
Ion Ratio Lower Upper

91 100

120 19.2 10.6 31.8

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10/3/2018 11:41:40 AM



#79

2-Chlorotoluene

Concen: 0.956 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027311.D

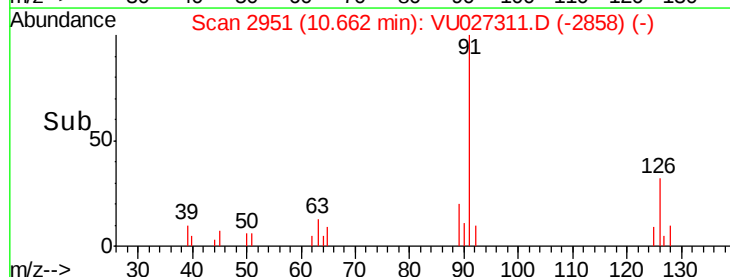
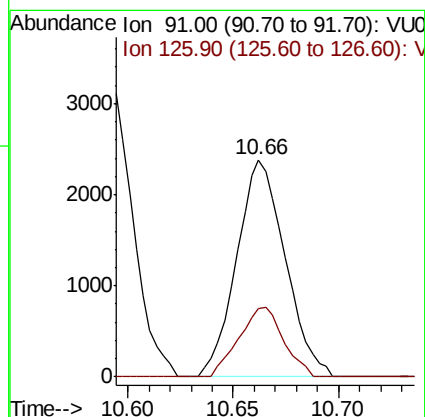
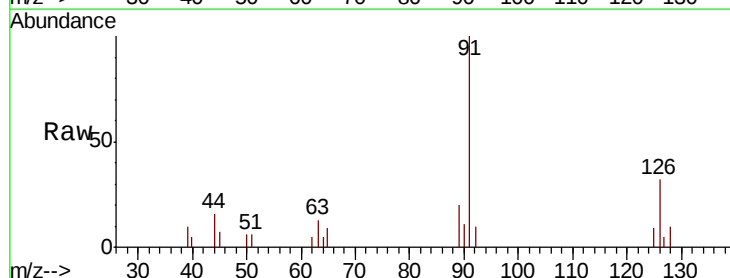
Acq: 01 Oct 2018 10:07

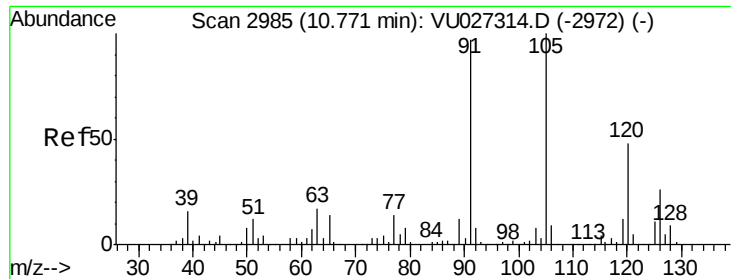
Tgt Ion: 91 Resp: 3806

Ion Ratio Lower Upper

91 100

126 29.5 15.7 47.1





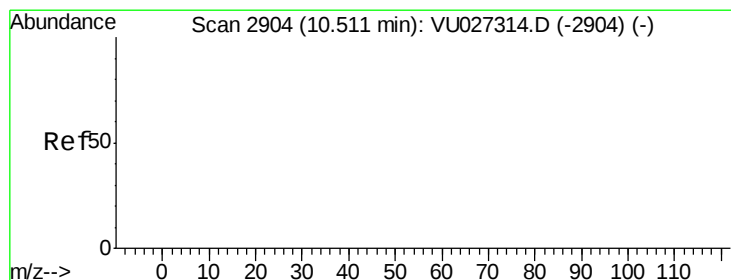
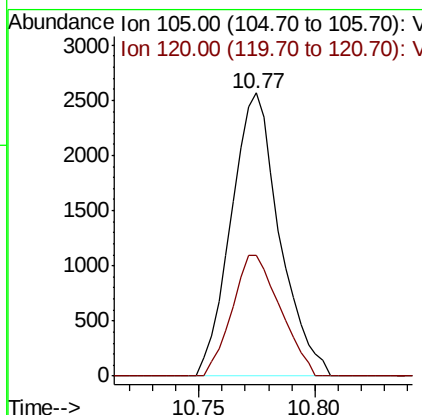
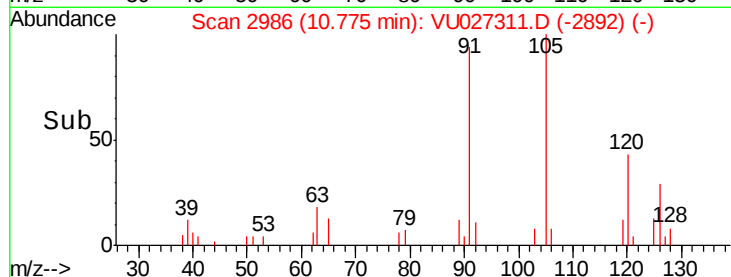
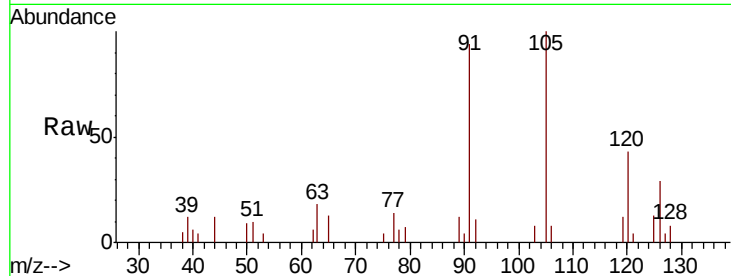
#80
 1,3,5-Trimethylbenzene
 Concen: 0.831 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 3715
 Ion Ratio Lower Upper
 105 100
 120 42.3 24.1 72.4

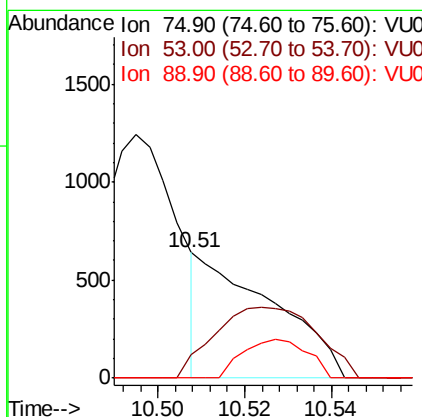
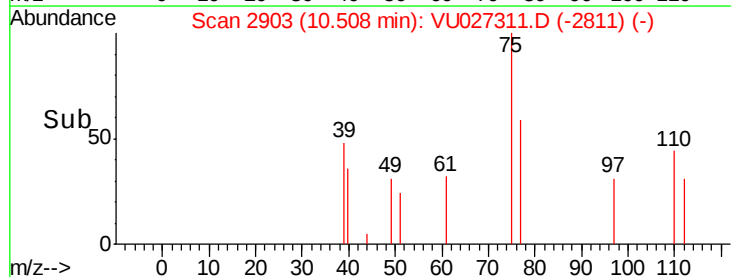
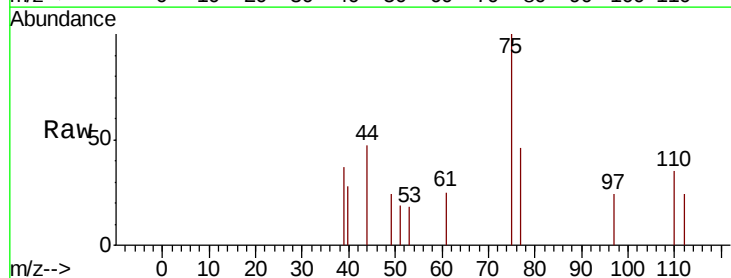
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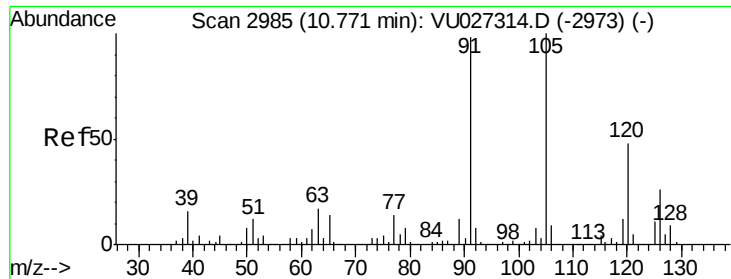
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.912 ug/l m
 RT: 10.51 min Scan# 2903
 Delta R.T. -0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion: 75 Resp: 746
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





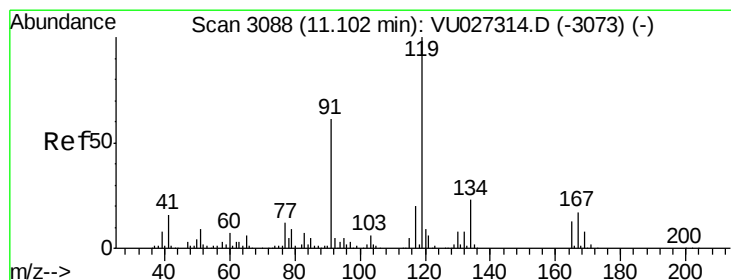
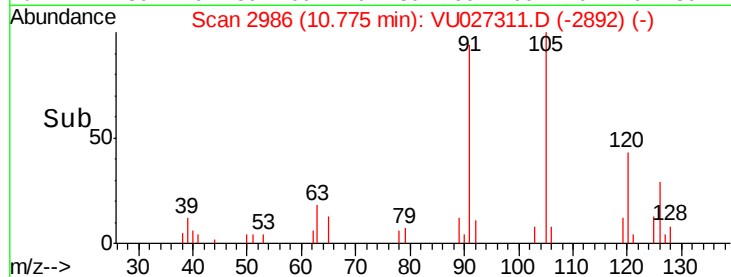
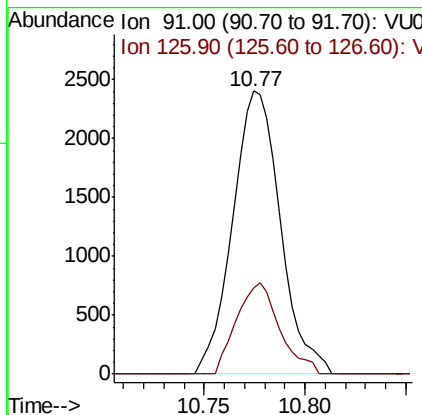
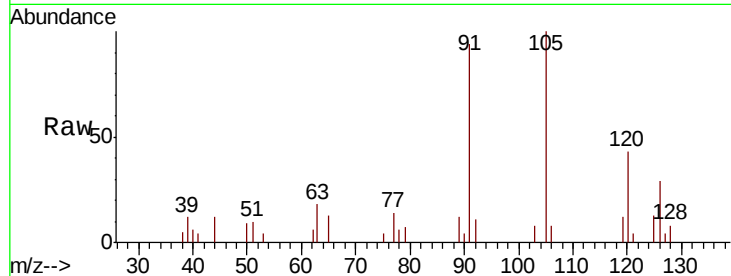
#82
4-Chlorotoluene
Concen: 0.882 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 3985
Ion Ratio Lower Upper
91 100
126 29.1 13.6 40.8

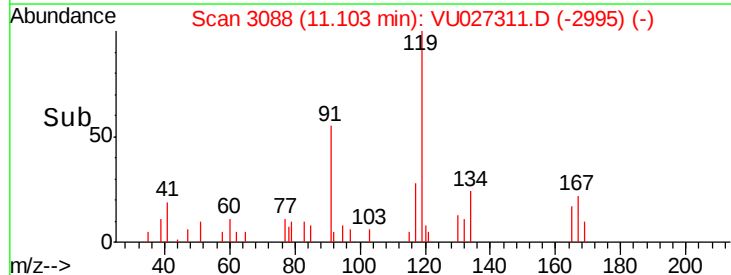
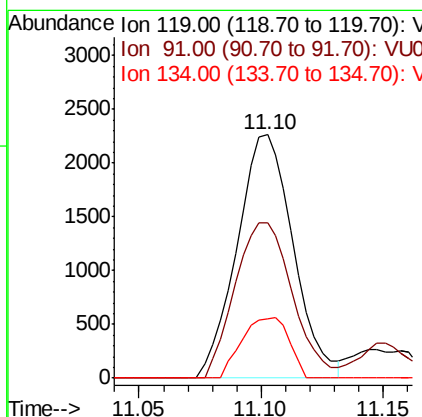
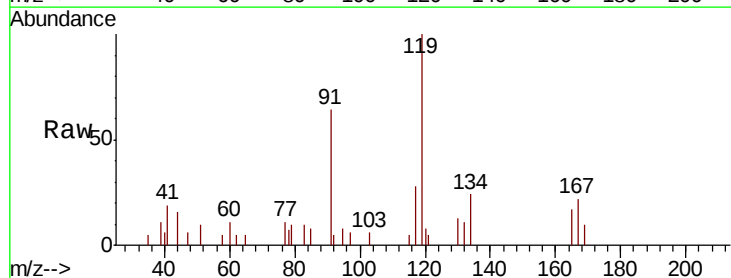
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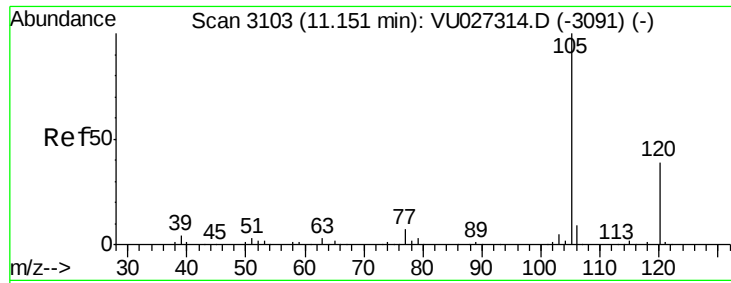
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#83
tert-Butylbenzene
Concen: 0.836 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion: 119 Resp: 3610
Ion Ratio Lower Upper
119 100
91 65.5 30.3 91.0
134 20.7 11.5 34.4





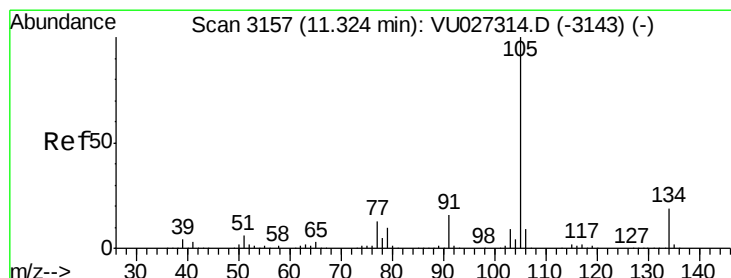
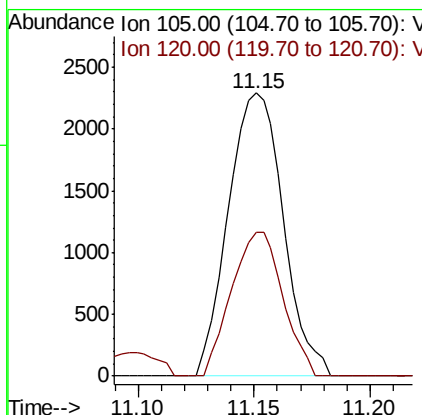
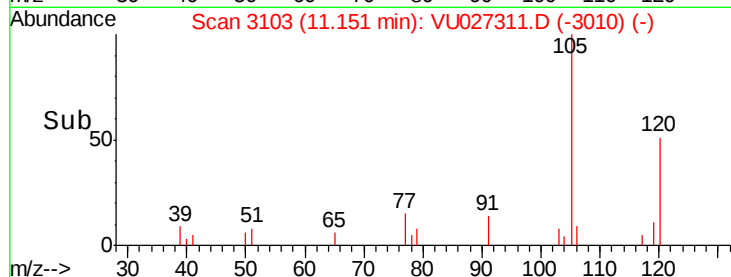
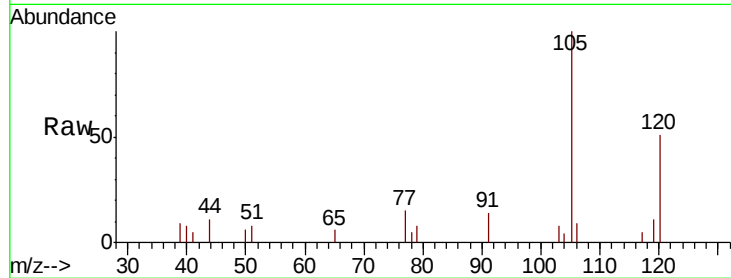
#84
1,2,4-Trimethylbenzene
Concen: 0.826 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 3771
Ion Ratio Lower Upper
105 100
120 47.6 22.1 66.5

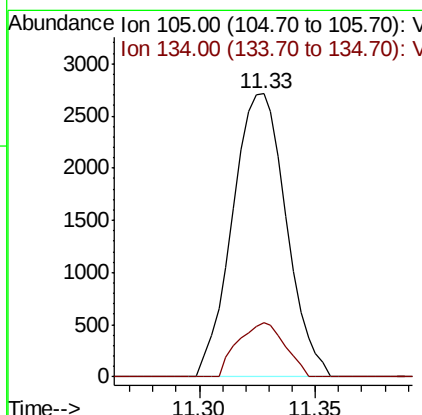
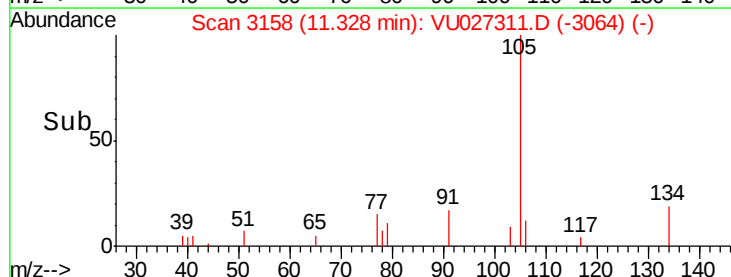
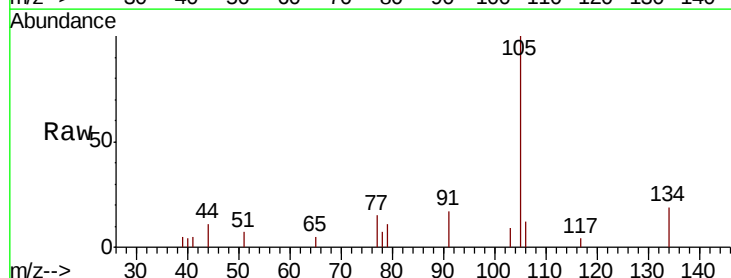
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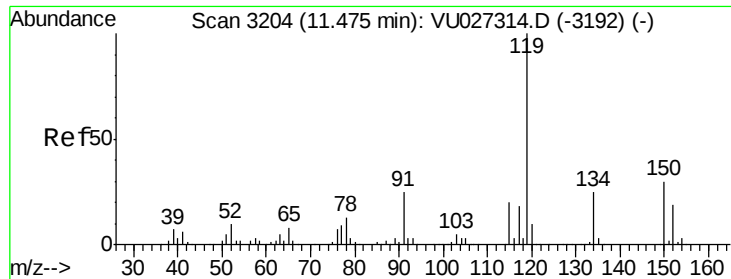
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#85
sec-Butylbenzene
Concen: 0.801 ug/l
RT: 11.33 min Scan# 3158
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion:105 Resp: 4363
Ion Ratio Lower Upper
105 100
134 16.8 9.6 28.6





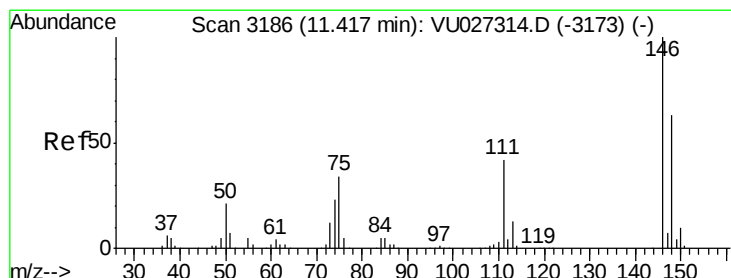
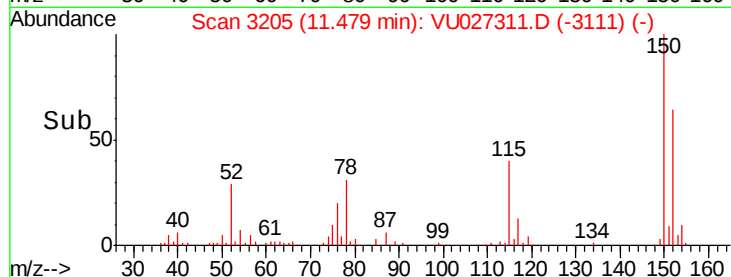
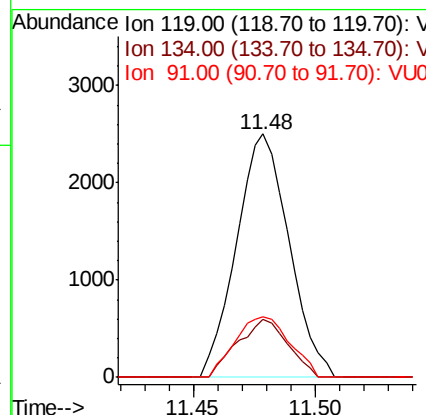
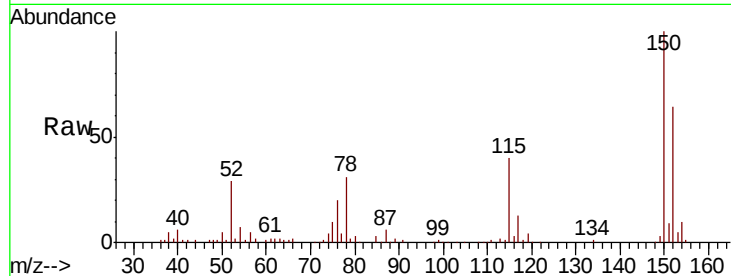
#86
 p-Isopropyltoluene
 Concen: 0.801 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	22.9	12.7	38.1
91	26.1	12.2	36.4

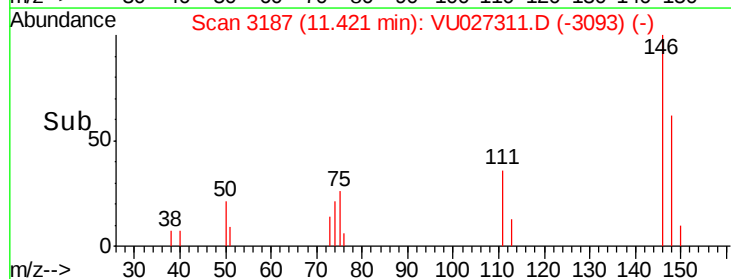
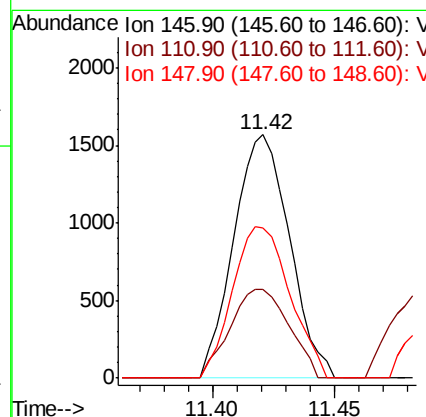
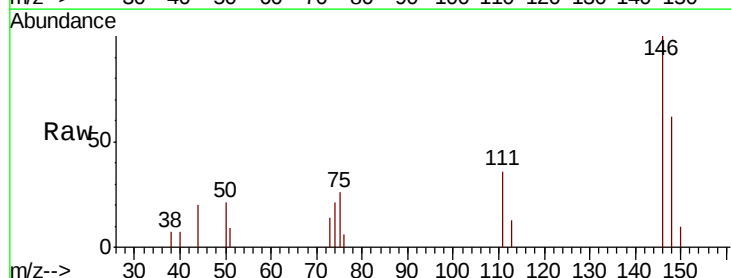
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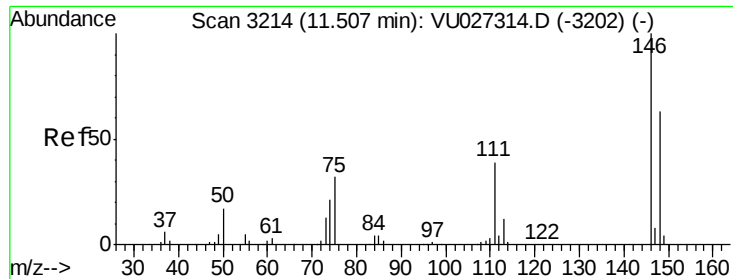
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 10/3/2018 11:41:40 AM



#87
 1,3-Dichlorobenzene
 Concen: 1.029 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.5
148	64.0	31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 1.033 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

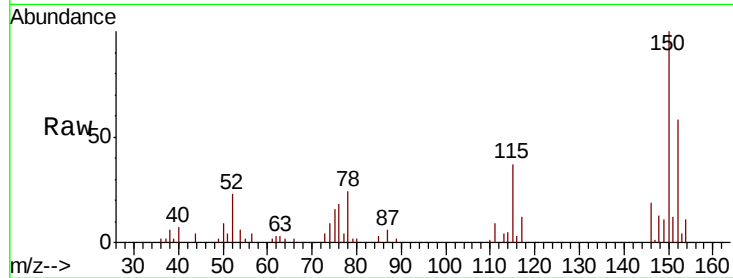
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	2549
Ion	Ratio	Lower	Upper
146	100		
111	46.8	20.4	61.2
148	76.0	31.9	95.5

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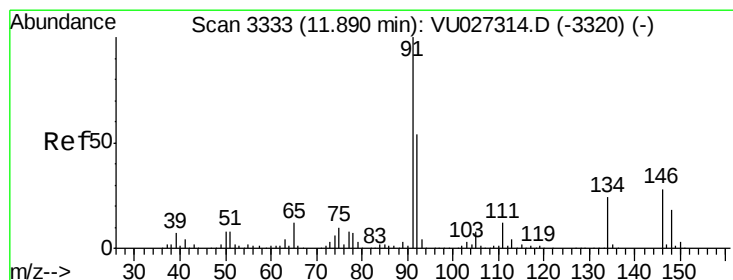
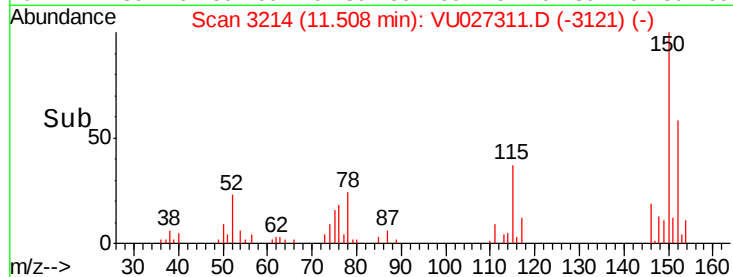
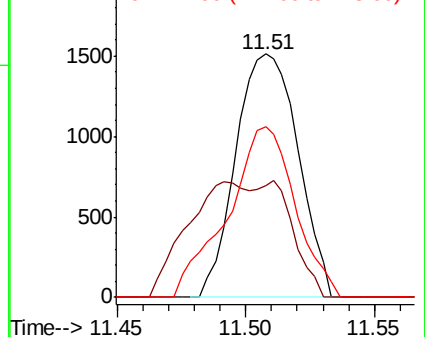


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.748 ug/l

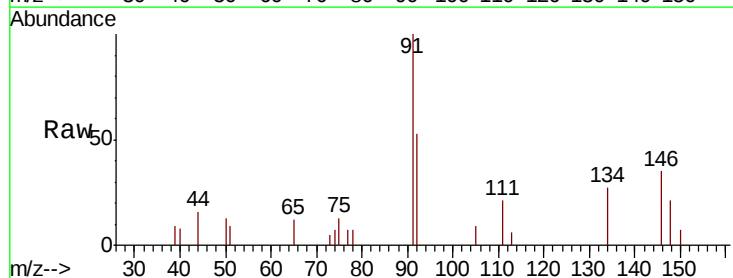
RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Tgt Ion:	91	Resp:	3253
Ion	Ratio	Lower	Upper
91	100		
92	57.1	27.0	81.0
134	25.6	11.7	35.1

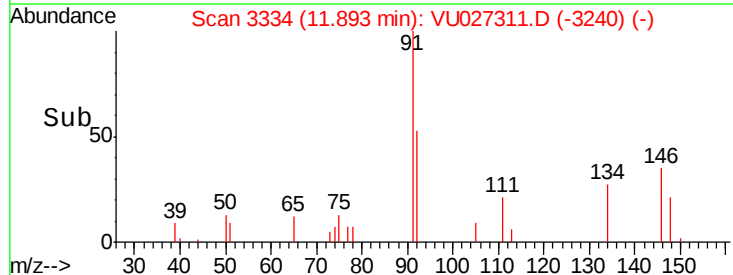
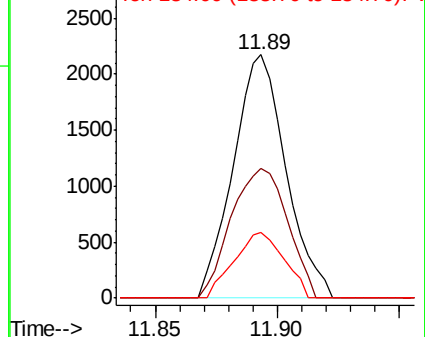


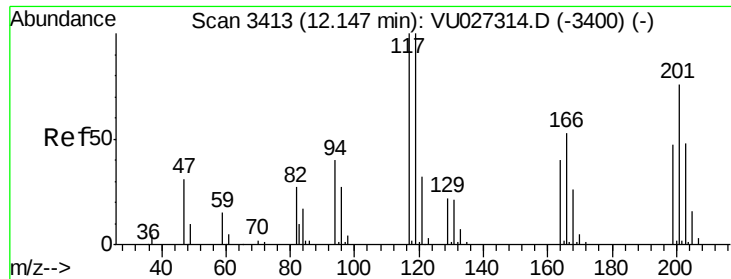
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





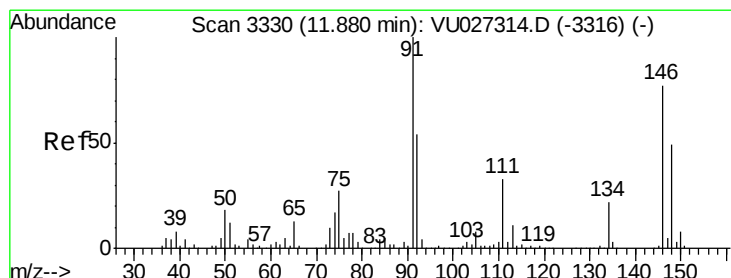
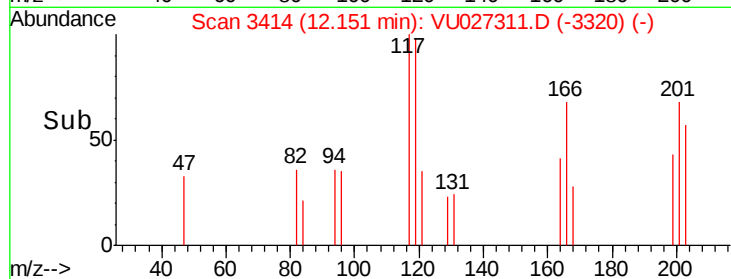
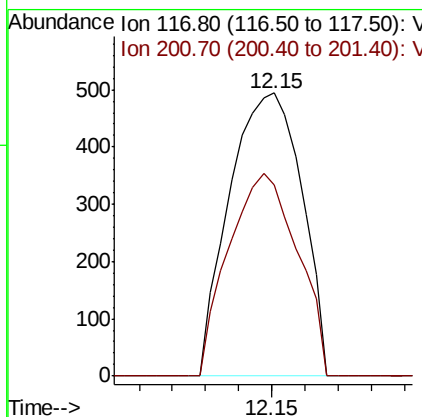
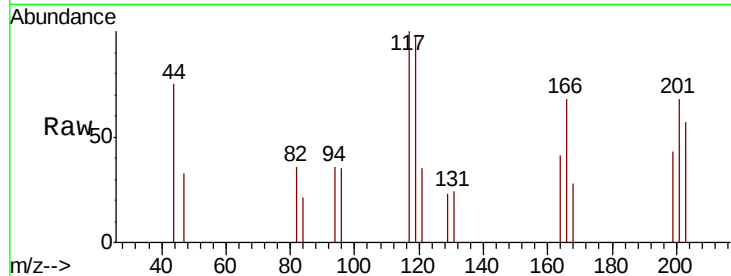
#90
Hexachloroethane
Concen: 0.851 ug/l
RT: 12.15 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 748
Ion Ratio Lower Upper
117 100
201 68.6 37.9 113.6

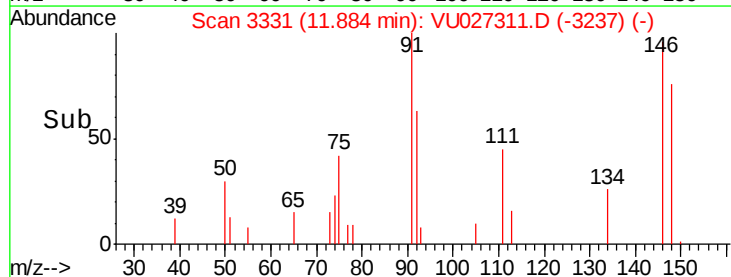
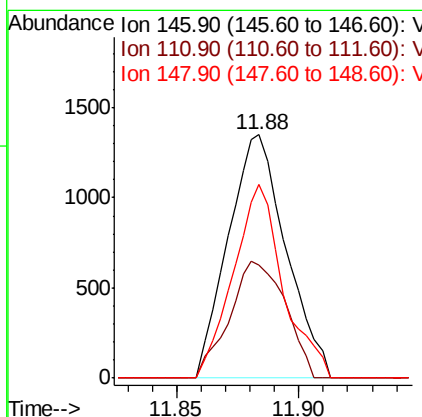
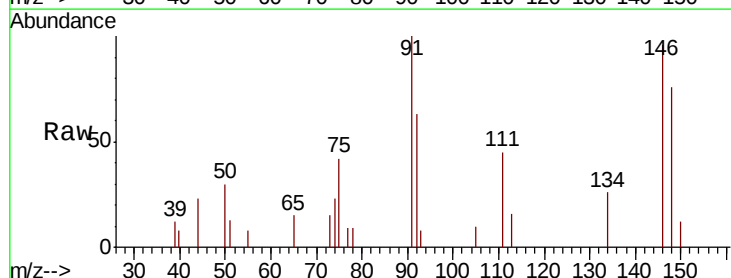
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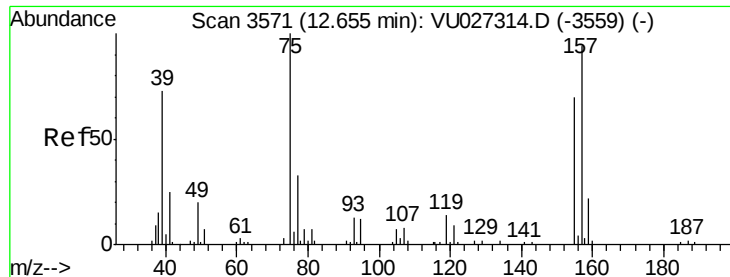
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#91
1,2-Dichlorobenzene
Concen: 0.942 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VU027311.D
Acq: 01 Oct 2018 10:07

Tgt Ion:146 Resp: 2215
Ion Ratio Lower Upper
146 100
111 46.4 21.8 65.4
148 68.3 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.827 ug/l

RT: 12.66 min Scan# 3573

Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

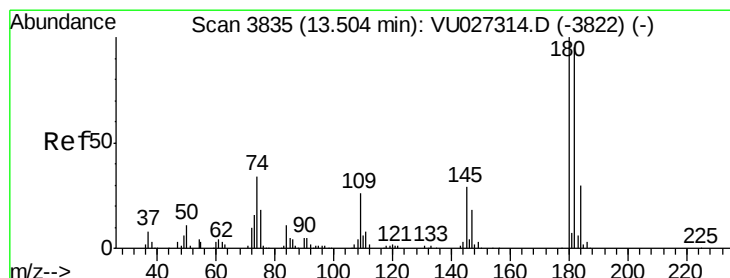
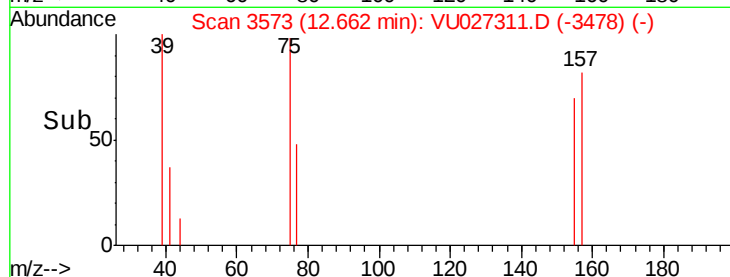
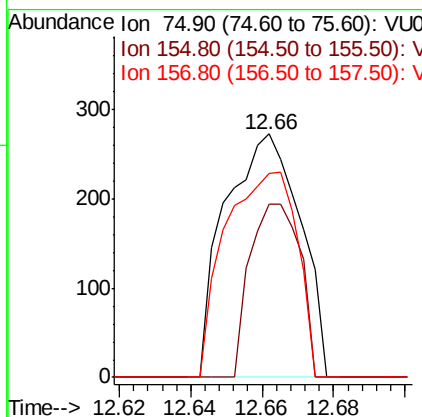
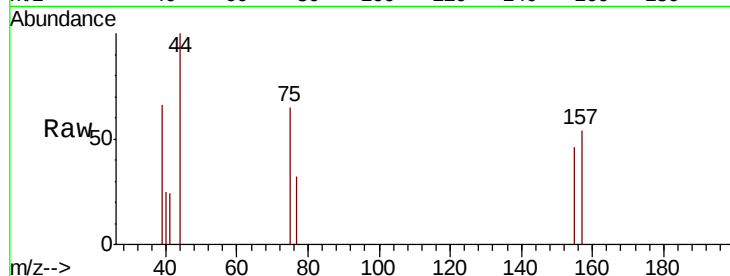
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	395
Ion	Ratio	Lower	Upper
75	100		
155	47.6	35.9	107.8
157	80.5	46.9	140.6

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#93

1,2,4-Trichlorobenzene

Concen: 0.824 ug/l

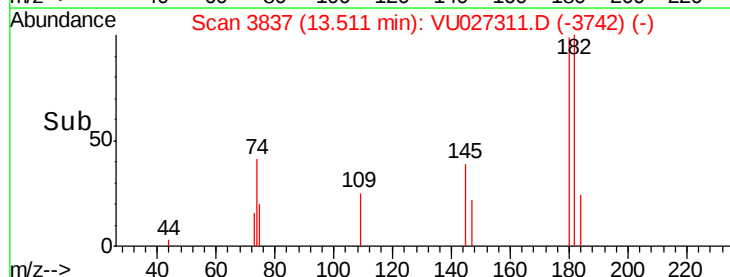
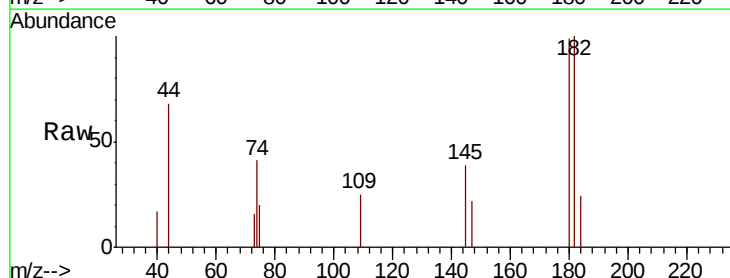
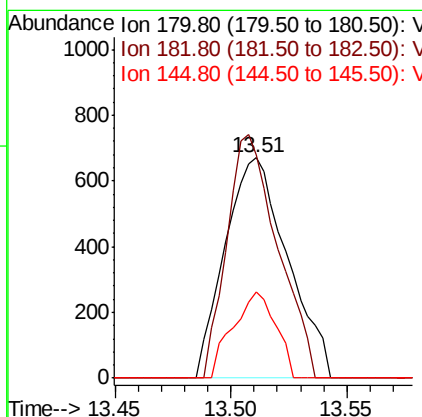
RT: 13.51 min Scan# 3837

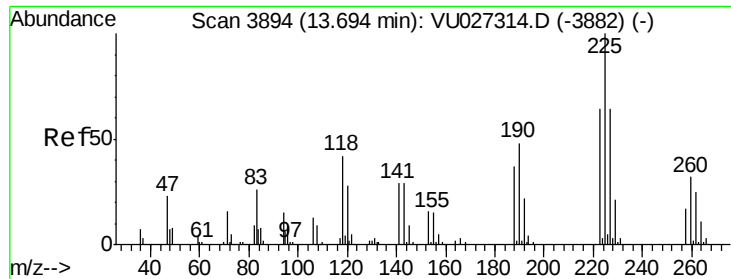
Delta R.T. 0.01 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Tgt Ion:	180	Resp:	1254
Ion	Ratio	Lower	Upper
180	100		
182	89.8	47.4	142.3
145	27.0	14.6	44.0





#94

Hexachlorobutadiene

Concen: 0.900 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027311.D

Acq: 01 Oct 2018 10:07

Instrument :

MSVOA_U

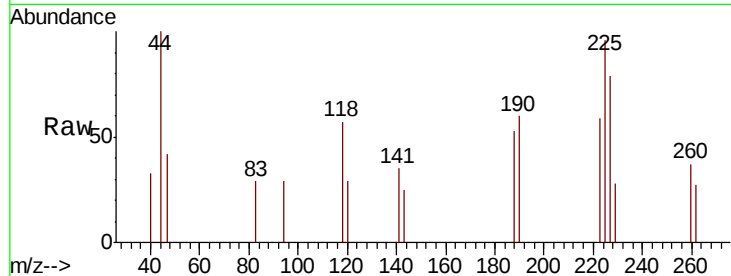
ClientSampleId :

VSTDIC001

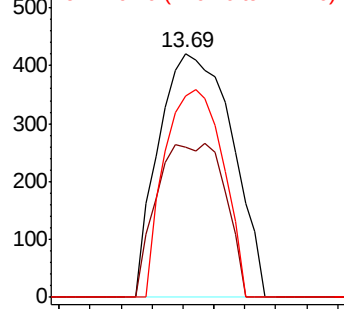
Tot Ion:	225	Resp:	692
Ion Ratio	Lower	Upper	
225	100		
223	58.2	31.8	95.3
227	67.8	31.9	95.7

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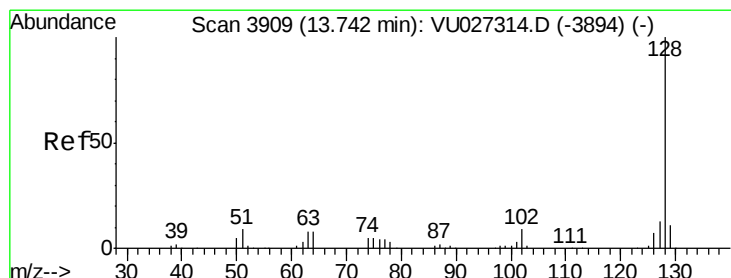
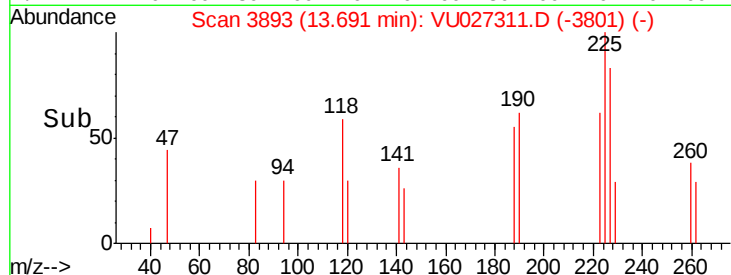
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time--> 13.65 13.70



#95

Naphthalene

Concen: 0.813 ug/l

RT: 13.75 min Scan# 3912

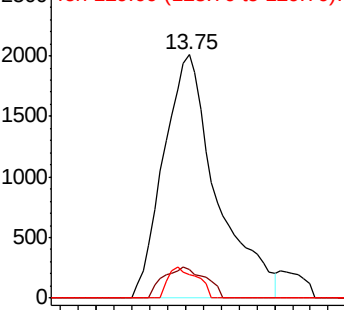
Delta R.T. 0.01 min

Lab File: VU027311.D

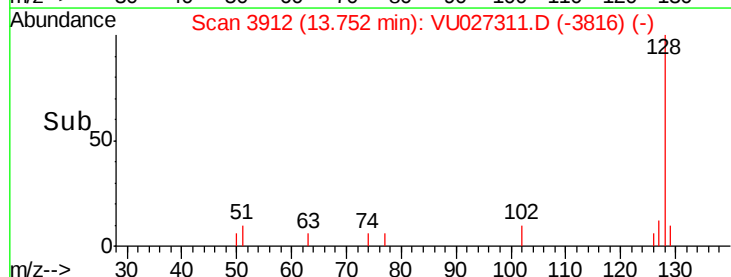
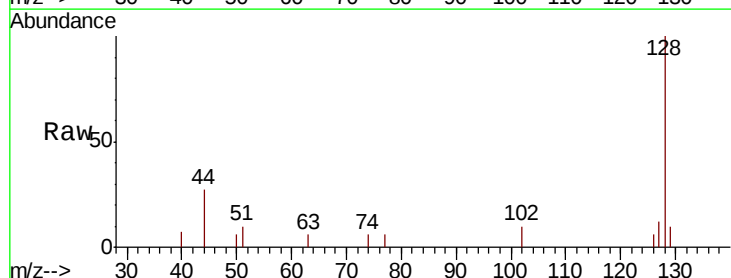
Acq: 01 Oct 2018 10:07

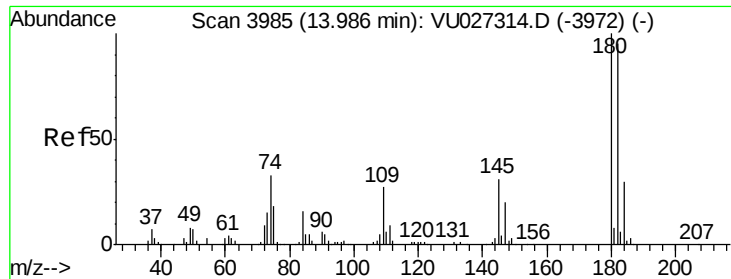
Tgt Ion:	128	Resp:	4149
Ion Ratio	Lower	Upper	
128	100		
127	10.1	10.5	15.7#
129	6.9	8.6	12.8#

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 13.70 13.75 13.80





#96
 1,2,3-Trichlorobenzene
 Concen: 0.931 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027311.D
 Acq: 01 Oct 2018 10:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	21.4	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:40 AM

