

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080318\
 Data File : VU025816.D
 Acq On : 03 Aug 2018 13:38
 Operator : MD/SY
 Sample : VU0803WBSD01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0803WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 5:38:53 PM

Quant Time: Aug 04 05:44:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	29980	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11719	1.05	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11969	0.97	ug/l	0.00
Spiked Amount	1.000		Recovery	=	97.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	23264	2.18	ug/l	97
3) Chloromethane	1.33	50	19821	1.96	ug/l	96
4) Vinyl Chloride	1.40	62	20493	2.19	ug/l	97
5) Bromomethane	1.63	94	9822	2.16	ug/l	98
6) Chloroethane	1.70	64	12084	2.15	ug/l	90
7) Trichlorofluoromethane	1.89	101	30759	2.25	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17143	2.29	ug/l	98
9) 1,1-Dichloroethene	2.29	96	15031	2.27	ug/l	88
10) Iodomethane	2.41	142	7087	1.85	ug/l	93
11) Allyl Chloride	2.59	41	25355	2.29	ug/l	87
12) Acrylonitrile	2.94	53	6140	4.21	ug/l	96
13) Acetone	2.33	43	12883	10.17	ug/l	95
14) Carbon Disulfide	2.48	76	48749	2.16	ug/l	100
15) Methylene Chloride	2.70	84	16692	2.12	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	17227	2.32	ug/l	82
17) 1,1-Dichloroethane	3.45	63	33127	2.25	ug/l	98
18) 2-Butanone	4.29	43	23957	10.89	ug/l	99
19) Cyclohexane	5.00	56	23594	2.08	ug/l	87
20) Methylcyclohexane	6.42	83	27416	1.97	ug/l	96
21) 2,2-Dichloropropane	4.23	77	32020	2.28	ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	20628	2.21	ug/l	95
23) Diethyl Ether	2.11	59	10577	2.11	ug/l	95
24) tert-Butyl Alcohol	2.85	59	14144	24.05	ug/l #	81
25) Methyl tert-Butyl Ether	3.01	73	37299	2.09	ug/l #	90
26) Bromochloromethane	4.55	128	9354	2.28	ug/l	78
27) Chloroform	4.68	83	36064	2.23	ug/l	98
28) 1,1,1-Trichloroethane	4.92	97	31601	2.17	ug/l	98
29) 1,1-Dichloropropene	5.14	75	25925	2.17	ug/l	97
30) Carbon Tetrachloride	5.13	117	28955	2.19	ug/l	97
31) Isopropyl Ether	3.58	45	50985	2.17	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	45814	2.05	ug/l	90
33) Tert-Amyl methyl ether	5.59	73	39587	2.00	ug/l	99
34) Propionitrile	4.35	54	6811	11.15	ug/l #	90
35) Benzene	5.39	78	74670	2.24	ug/l	98
36) 1,2-Dichloroethane	5.41	62	22439	2.19	ug/l	99
37) Trichloroethene	6.19	130	21123	2.15	ug/l	93
38) 1,2-Dichloropropane	6.44	63	18928	2.18	ug/l	99
39) Methacrylonitrile	4.55	41	5771	2.05	ug/l	89
40) Methyl acrylate	4.44	55	7887	1.86	ug/l #	94
41) Tetrahydrofuran	4.66	42	6262	3.77	ug/l	96
42) 1-Chlorobutane	5.07	56	35644	2.19	ug/l	100

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Quant Time: Aug 04 05:44:34 2018
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.57	93	9959	2.20	ug/l	98
44) Bromodichloromethane	6.76	83	24344	2.12	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	50364	9.98	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	6636m	4.36	ug/l	
47) Methyl methacrylate	6.63	69	14948	3.95	ug/l	95
48) Ethyl methacrylate	8.02	69	14243	1.87	ug/l	100
49) Toluene	7.64	92	41059	2.01	ug/l	93
50) t-1,3-Dichloropropene	7.89	75	21680	2.09	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	25687	2.07	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	12716	2.10	ug/l	95
53) 1,3-Dichloropropane	8.25	76	21653	2.11	ug/l	100
54) 2-Hexanone	8.37	43	35146	9.86	ug/l	96
55) Dibromochloromethane	8.48	129	16211	2.10	ug/l	99
56) 1,2-Dibromoethane	8.59	107	12897	2.20	ug/l	95
58) Tetrachloroethene	8.23	164	19492	2.20	ug/l	99
59) Chlorobenzene	9.12	112	49505	2.11	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	19366	2.22	ug/l	96
61) Pentachloroethane	11.10	117	14278	2.15	ug/l	98
62) Hexachloroethane	12.15	117	13418	1.98	ug/l	97
63) Ethyl Benzene	9.25	91	77321	1.98	ug/l	97
64) m/p-Xylenes	9.38	106	61241	3.99	ug/l	97
65) o-Xylene	9.78	106	28811	1.97	ug/l	95
66) Styrene	9.80	104	49075	1.98	ug/l	98
67) Bromoform	9.96	173	9210	2.02	ug/l #	97
69) Isopropylbenzene	10.17	105	77567	1.96	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	15691	2.06	ug/l	96
71) 1,2,3-Trichloropropane	10.50	75	11638m	1.96	ug/l	
72) Bromobenzene	10.45	156	20500	2.00	ug/l	96
73) n-propylbenzene	10.59	120	21938	1.97	ug/l	95
74) 2-Chlorotoluene	10.66	126	19858	2.03	ug/l	97
75) 1,3,5-Trimethylbenzene	10.78	105	70980	2.06	ug/l	98
76) 4-Chlorotoluene	10.78	126	21251	2.06	ug/l	91
77) tert-Butylbenzene	11.10	119	67664	1.99	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	70980	2.02	ug/l	99
79) sec-Butylbenzene	11.33	105	89469	2.00	ug/l	98
80) Nitrobenzene	12.88	77	1758	7.58	ug/l #	95
81) p-Isopropyltoluene	11.48	119	74875	1.97	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	44012	2.09	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	44557	2.17	ug/l	97
84) n-Butylbenzene	11.89	91	67991	1.91	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	39948	2.07	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2695	2.14	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	24926	1.86	ug/l	99
88) Hexachlorobutadiene	13.70	225	15714	1.91	ug/l	98
89) Naphthalene	13.75	128	35885	1.65	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	23465	1.91	ug/l	97

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

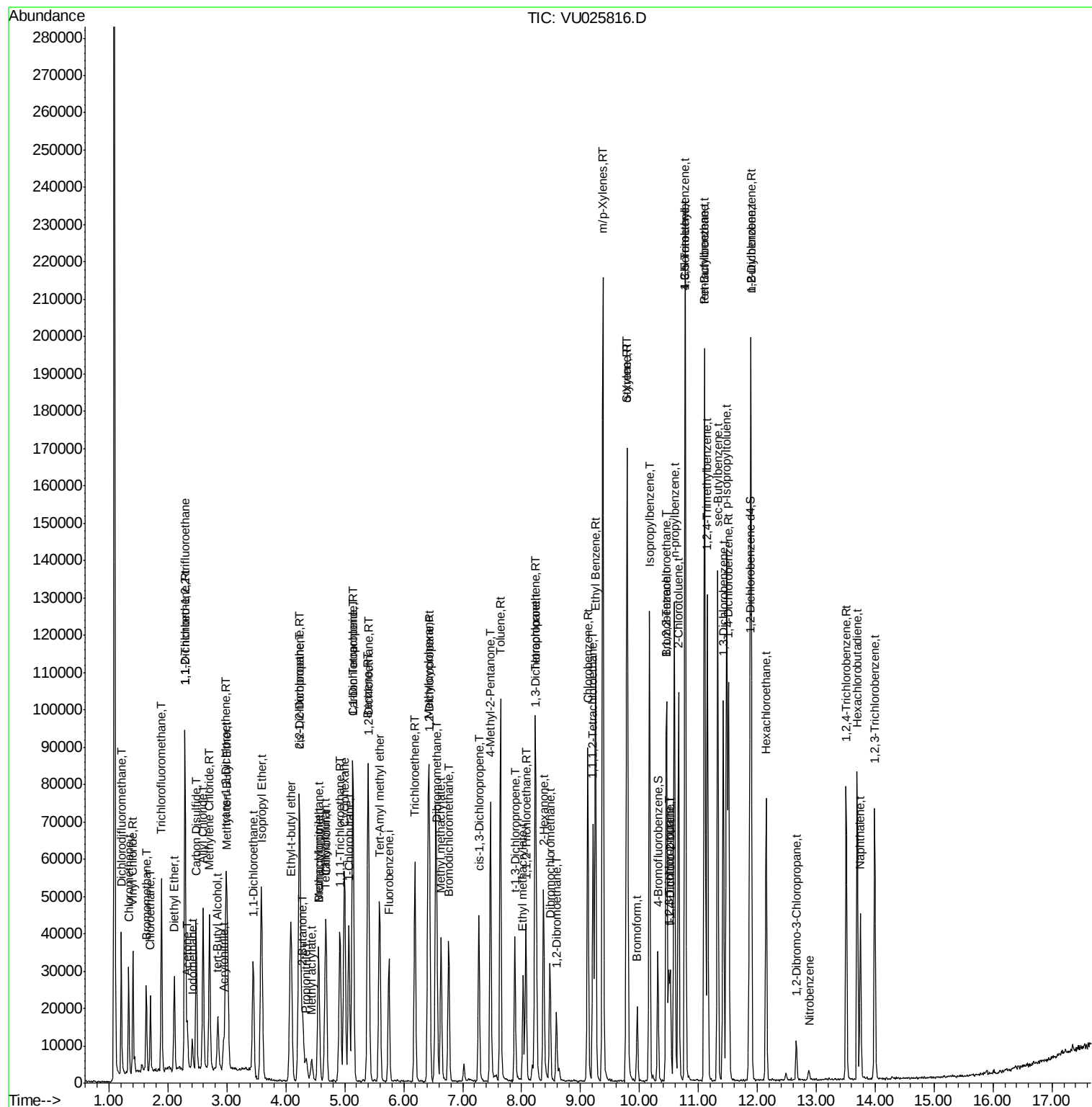
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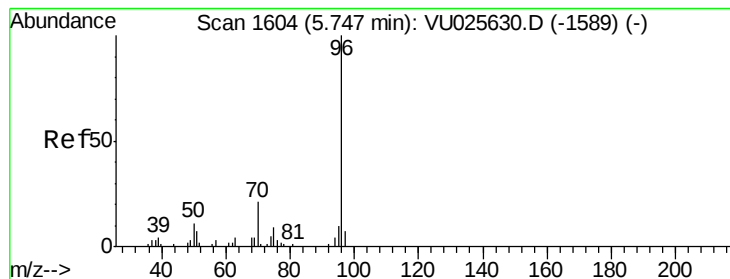
Instrument :
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#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

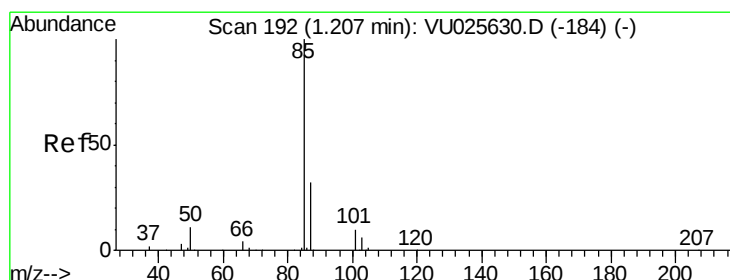
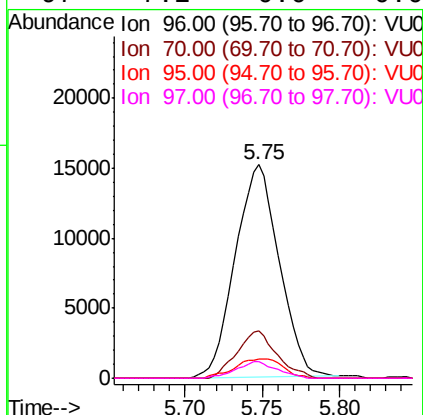
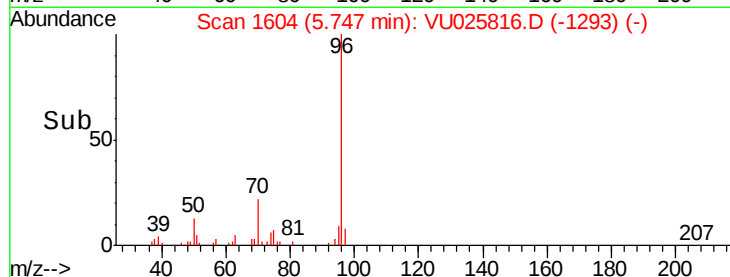
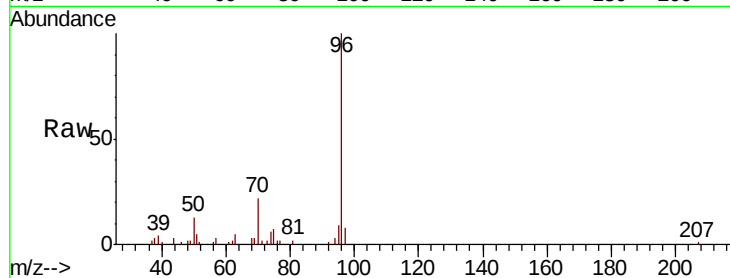
ClientSampleId :

VU0803WBSD01

Tot Ion:	96	Resp:	29980
Ion	Ratio	Lower	Upper
96	100		
70	20.3	16.2	24.4
95	10.0	6.9	10.3
97	7.2	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.18 ug/l

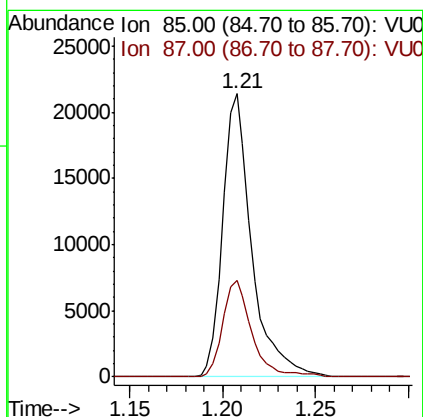
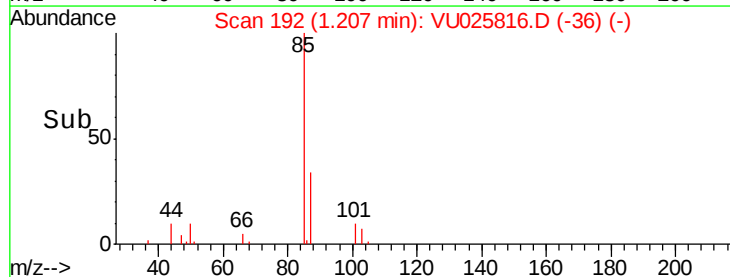
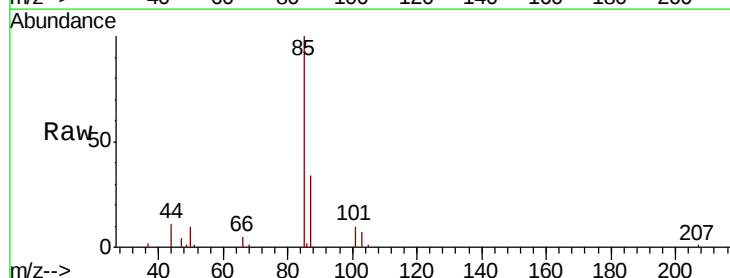
RT: 1.21 min Scan# 192

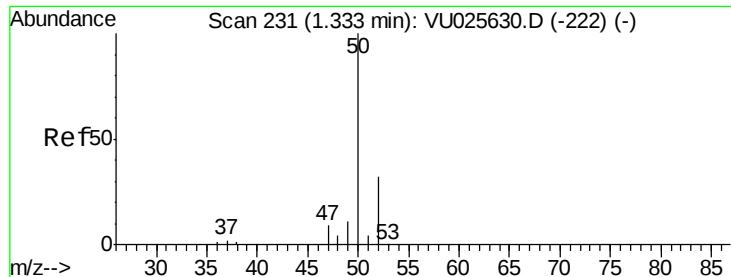
Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	85	Resp:	23264
Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.2	48.5





#3

Chloromethane

Concen: 1.96 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 50 Resp: 19821

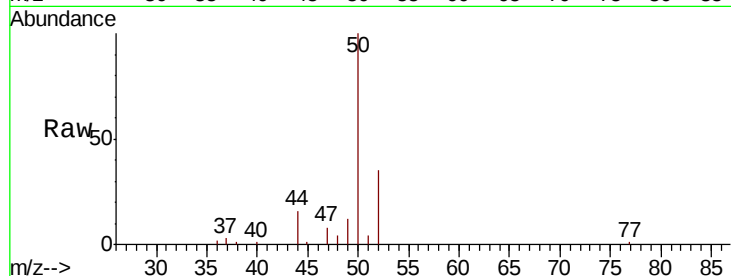
Ion Ratio Lower Upper

50 100

52 34.7 26.0 39.0

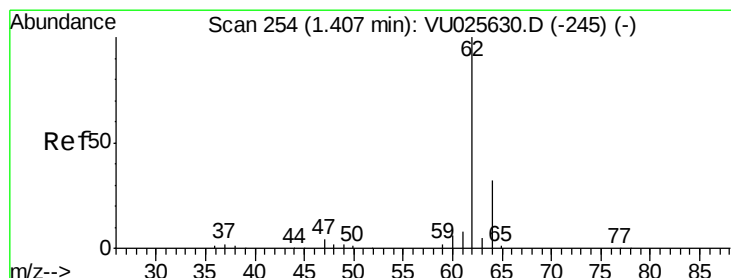
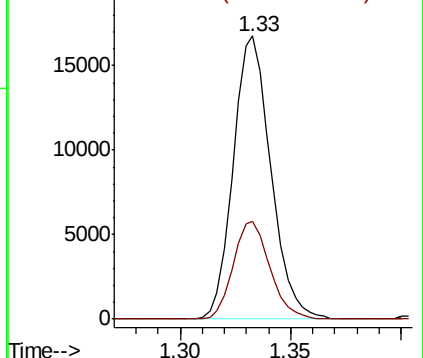
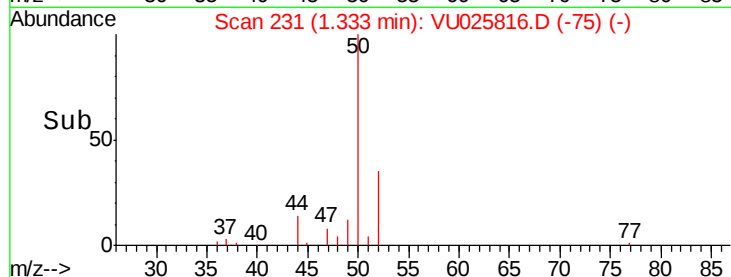
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Abundance Ion 50.00 (49.70 to 50.70): VU025816.D (-75) (-)

Ion 52.00 (51.70 to 52.70): VU025816.D (-75) (-)



#4

Vinyl Chloride

Concen: 2.19 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025816.D

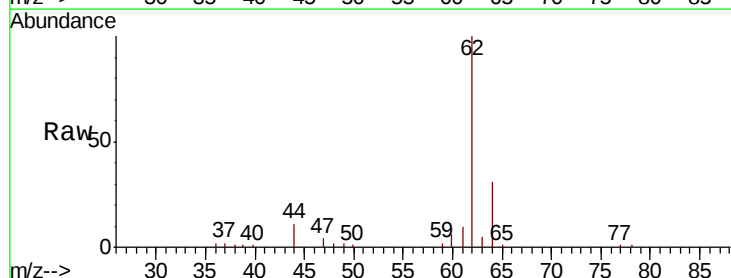
Acq: 03 Aug 2018 13:38

Tgt Ion: 62 Resp: 20493

Ion Ratio Lower Upper

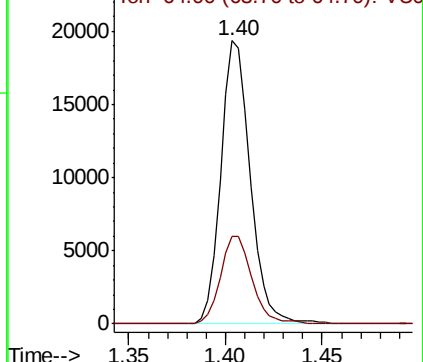
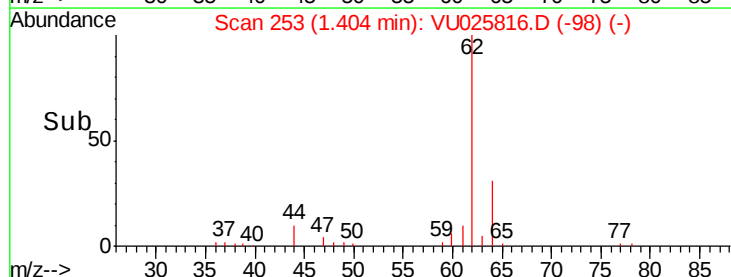
62 100

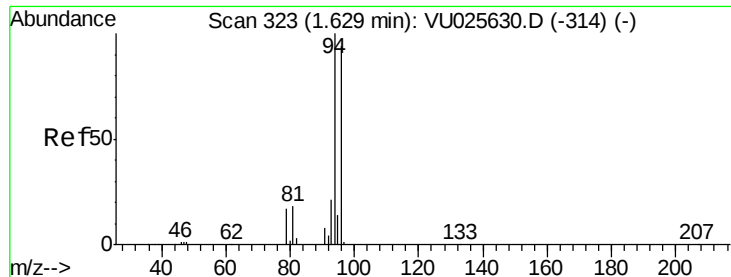
64 30.8 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VU025816.D (-98) (-)

Ion 64.00 (63.70 to 64.70): VU025816.D (-98) (-)





#5

Bromomethane

Concen: 2.16 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 94 Resp: 9822

Ion Ratio Lower Upper

94 100

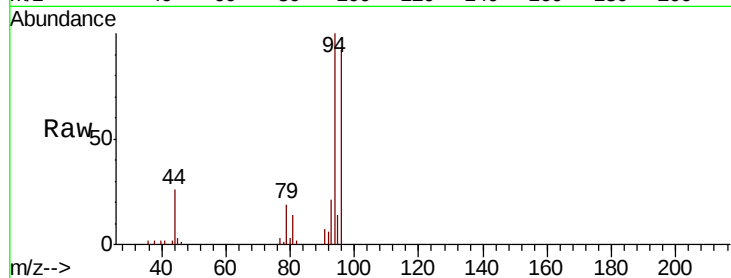
96 92.1 75.1 112.7

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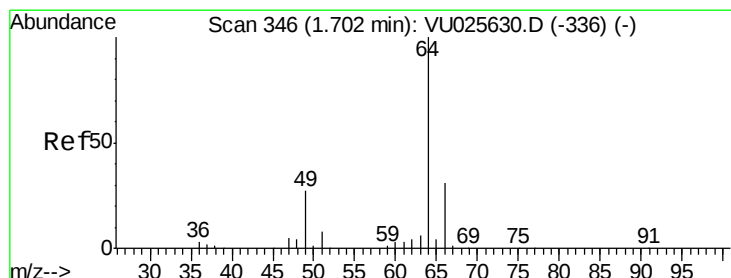
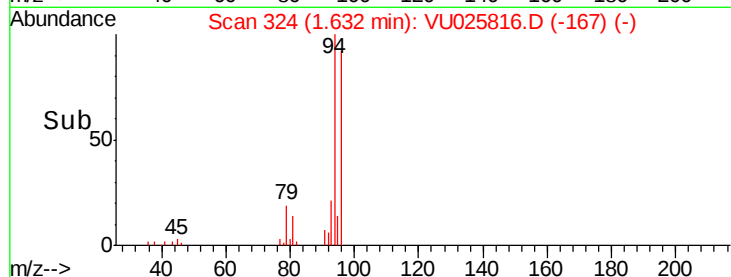
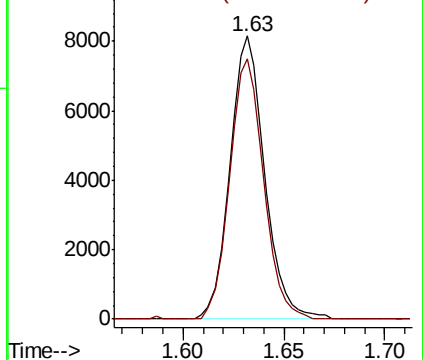
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 2.15 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025816.D

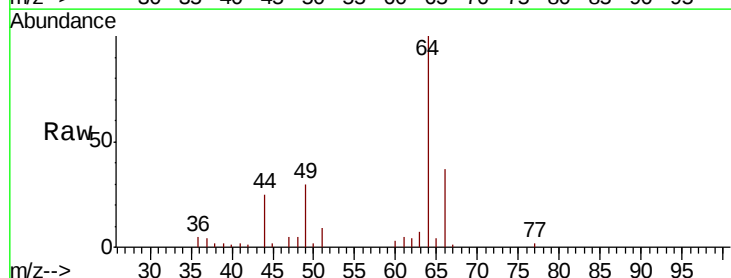
Acq: 03 Aug 2018 13:38

Tgt Ion: 64 Resp: 12084

Ion Ratio Lower Upper

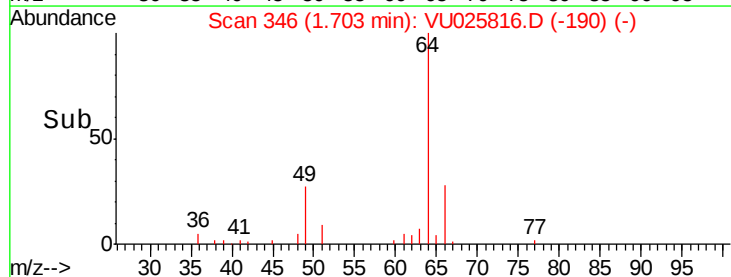
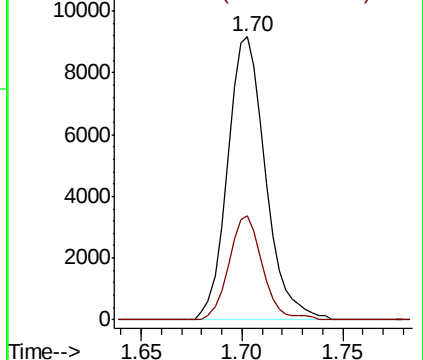
64 100

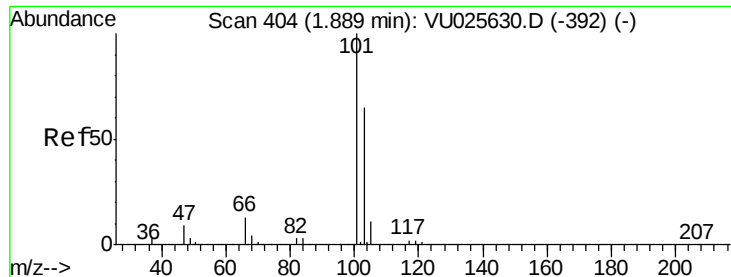
66 36.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.25 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:101 Resp: 30759

Ion Ratio Lower Upper

101 100

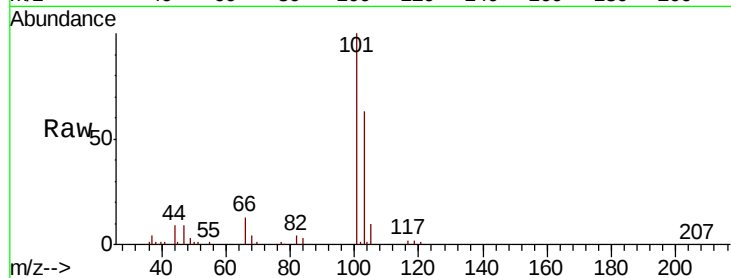
103 62.6 51.4 77.0

Manual Integrations

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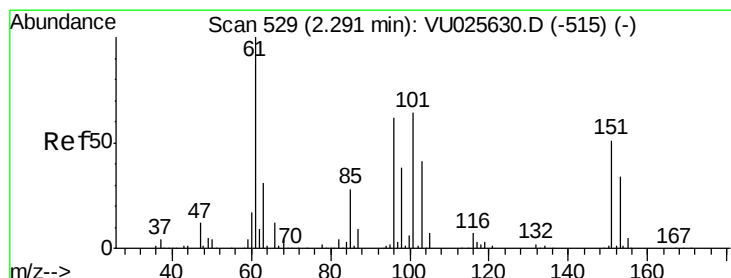
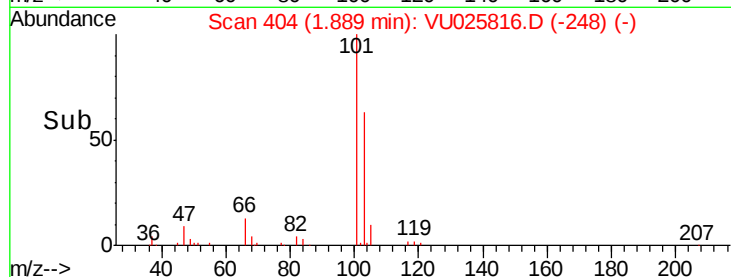
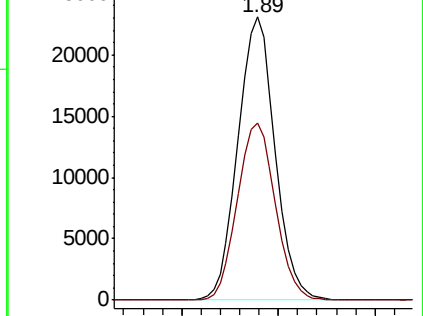
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.29 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

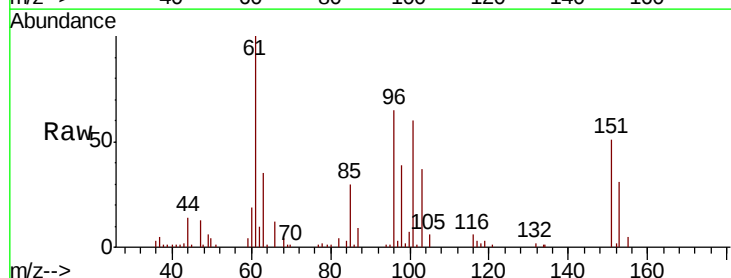
Tgt Ion:101 Resp: 17143

Ion Ratio Lower Upper

101 100

85 44.9 35.2 52.8

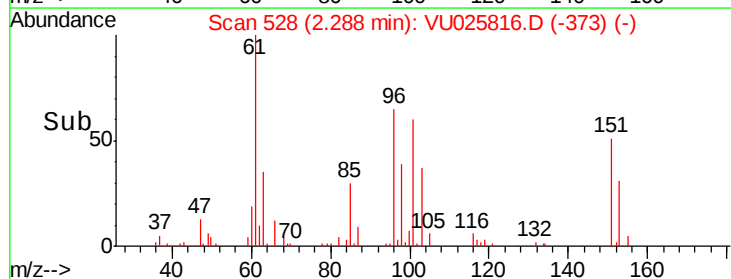
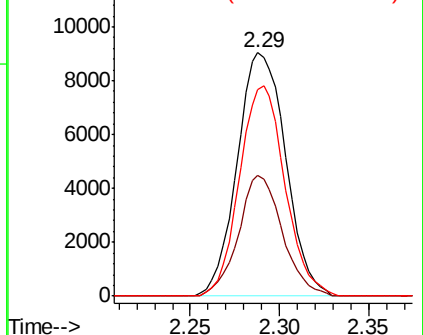
151 81.0 63.5 95.3

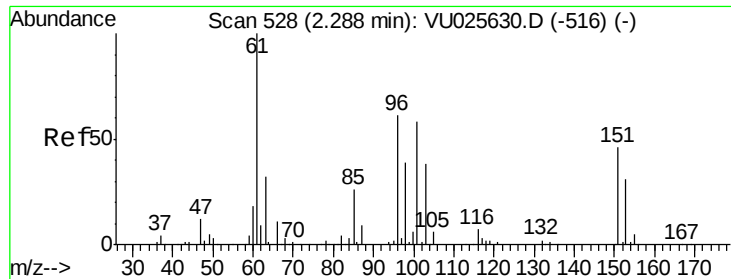


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.27 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

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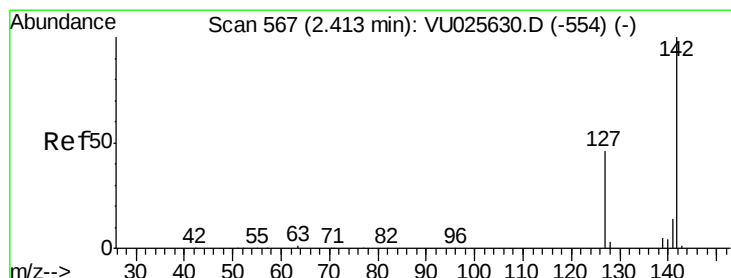
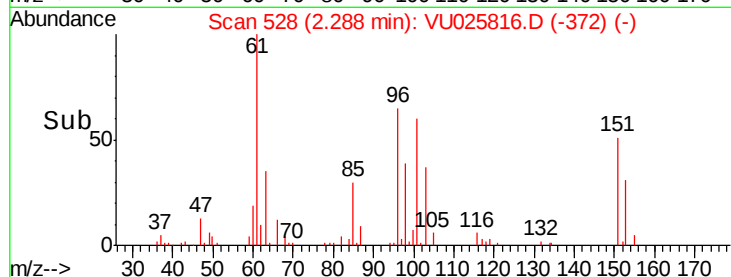
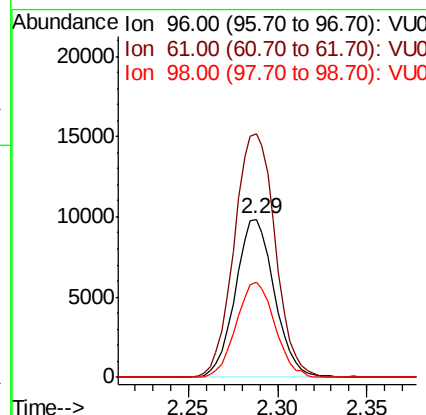
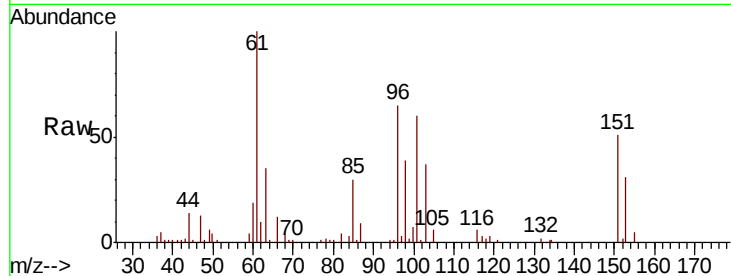
ClientSampleId :

VU0803WBSD01

Tot Ion:	96	Resp:	15031
Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	526.5
98	60.3	0.0	123.4

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#10

Iodomethane

Concen: 1.85 ug/l

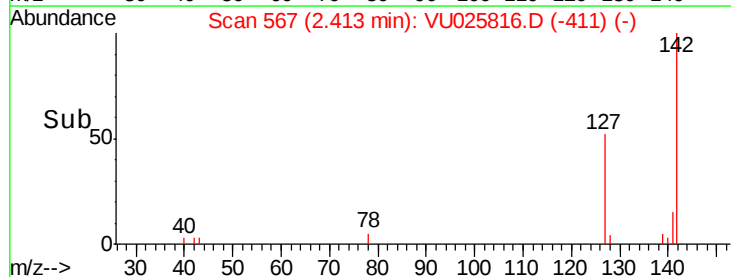
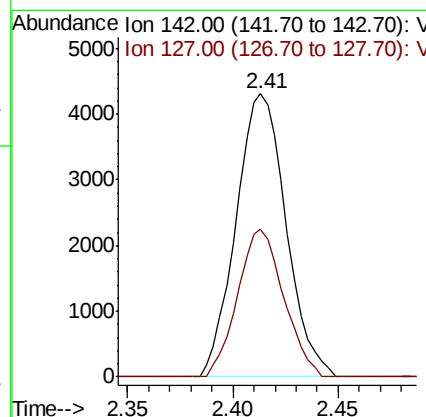
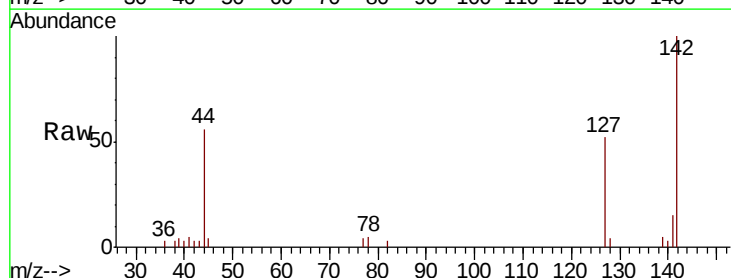
RT: 2.41 min Scan# 567

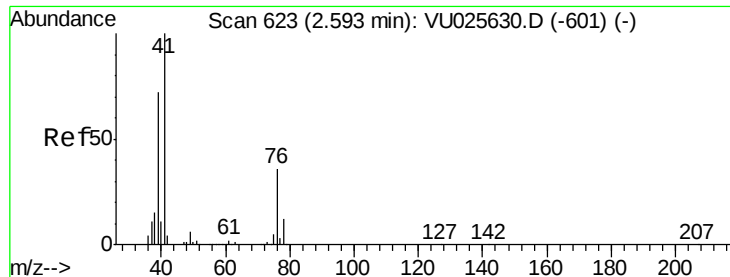
Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	142	Resp:	7087
Ion	Ratio	Lower	Upper
142	100		
127	47.9	34.5	51.7





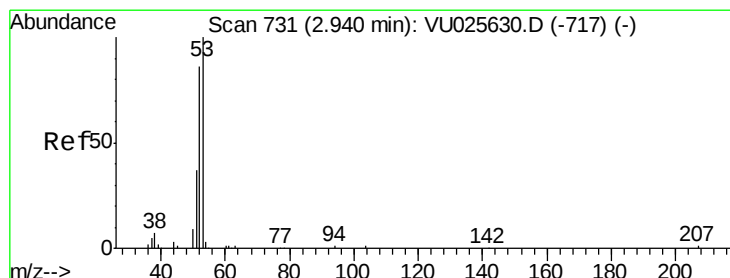
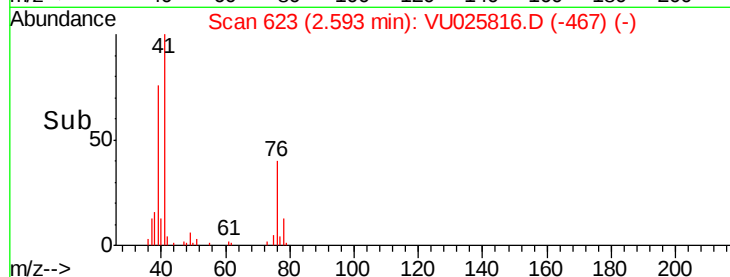
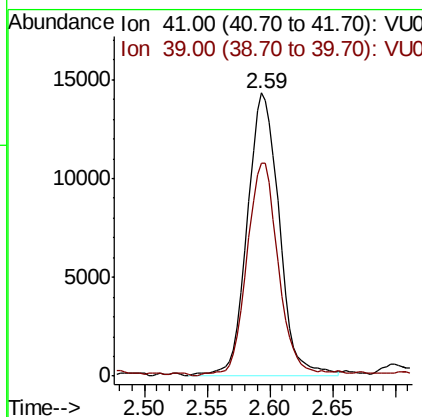
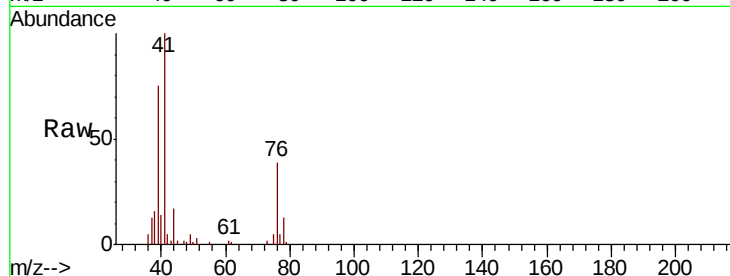
#11
Allvl Chloride
Concen: 2.29 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.8	51.4	77.2

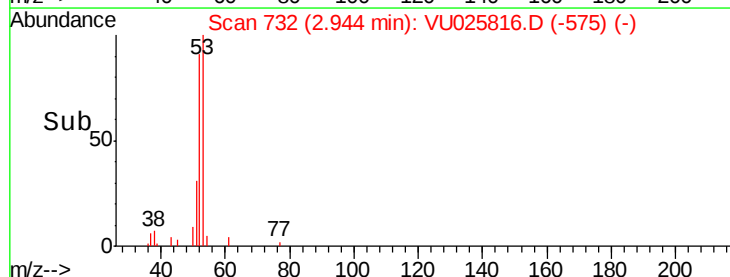
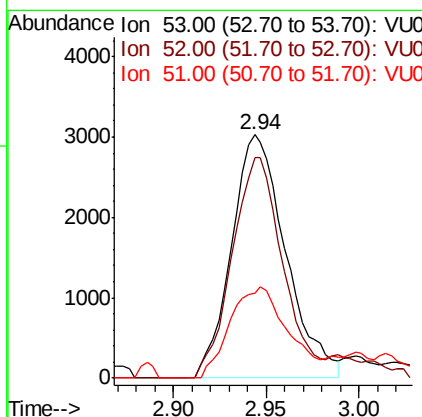
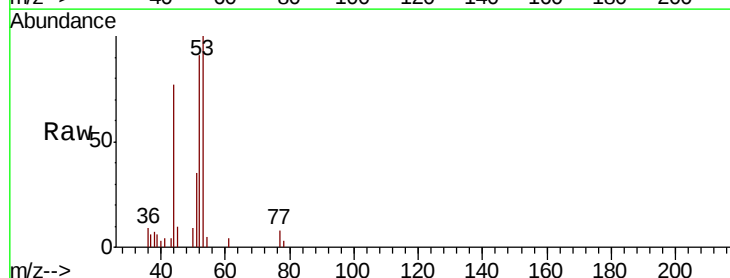
Manual Integrations
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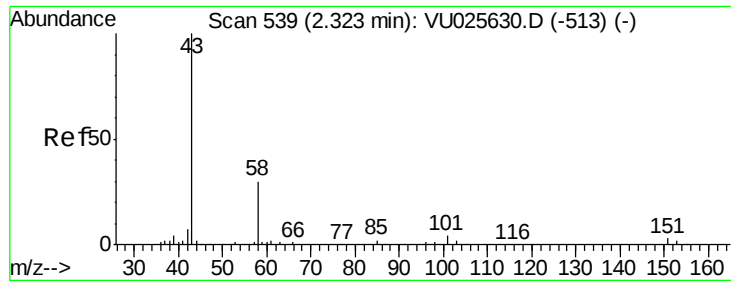
MMDadoda
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#12
Acrylonitrile
Concen: 4.21 ug/l
RT: 2.94 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.9	65.1	97.7
51	39.9	30.2	45.4





#13

Acetone

Concen: 10.17 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 43 Resp: 12883

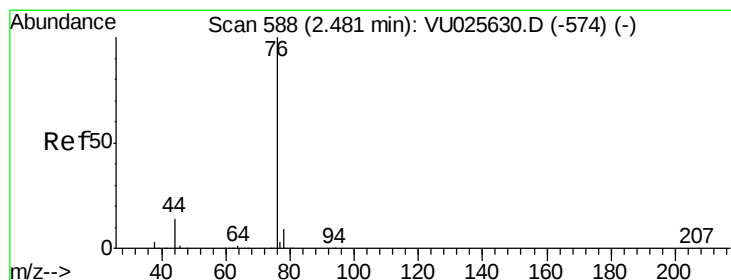
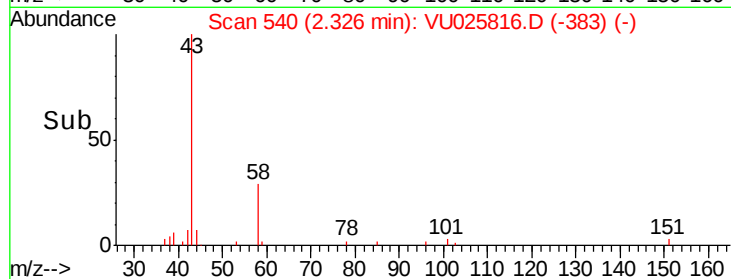
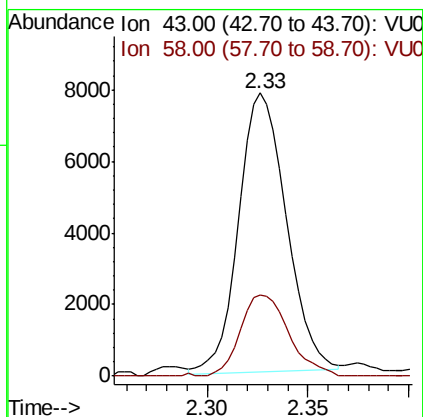
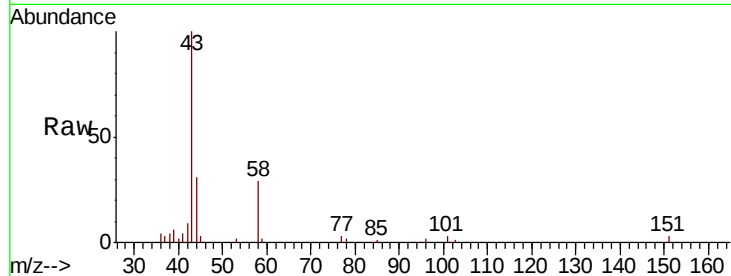
Ion Ratio Lower Upper

43 100

58 29.5 26.0 39.0

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#14

Carbon Disulfide

Concen: 2.16 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025816.D

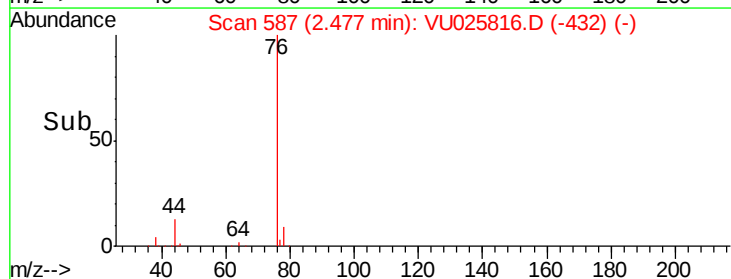
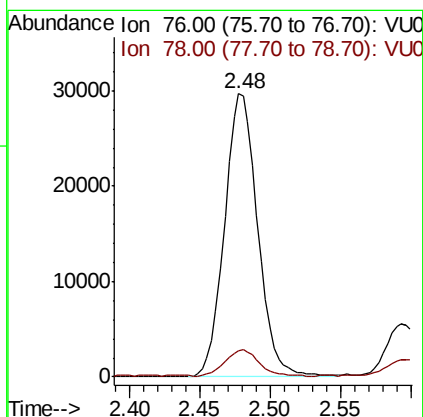
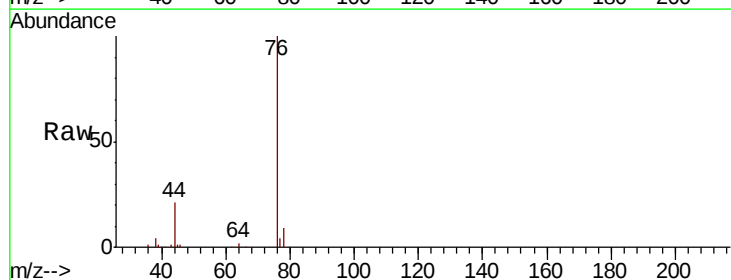
Acq: 03 Aug 2018 13:38

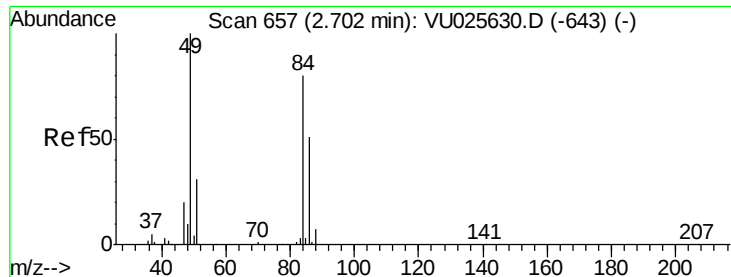
Tgt Ion: 76 Resp: 48749

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methylene Chloride

Concen: 2.12 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 84 Resp: 16692

Ion Ratio Lower Upper

84 100

49 127.7 108.7 163.1

51 37.7 0.0 82.4

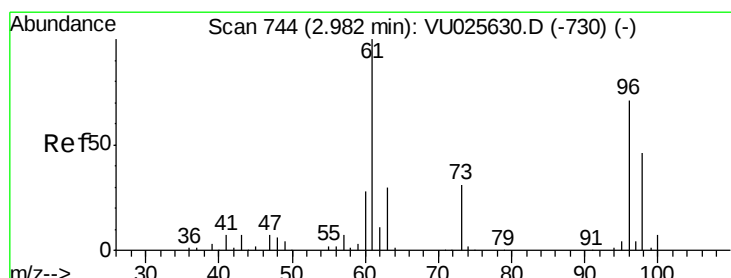
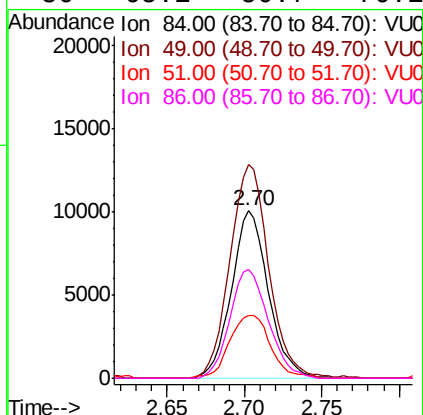
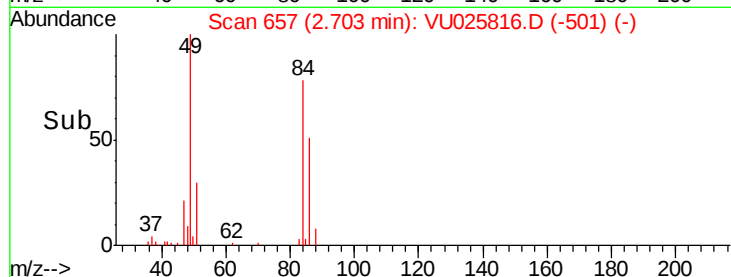
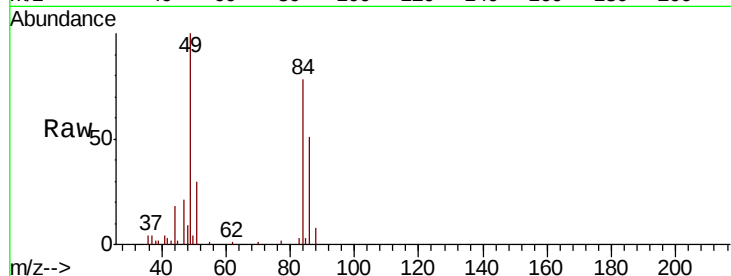
86 65.1 50.7 76.1

Manual Integrations

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#16

trans-1,2-Dichloroethene

Concen: 2.32 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

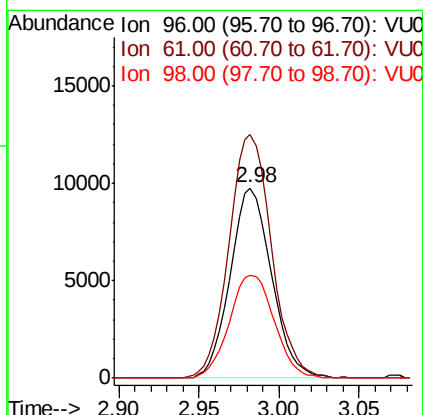
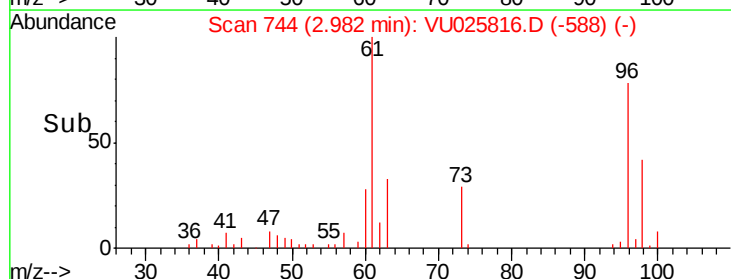
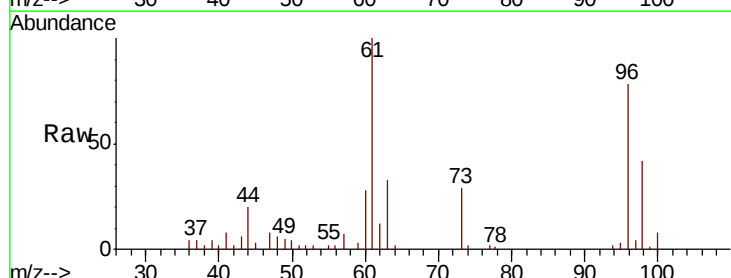
Tgt Ion: 96 Resp: 17227

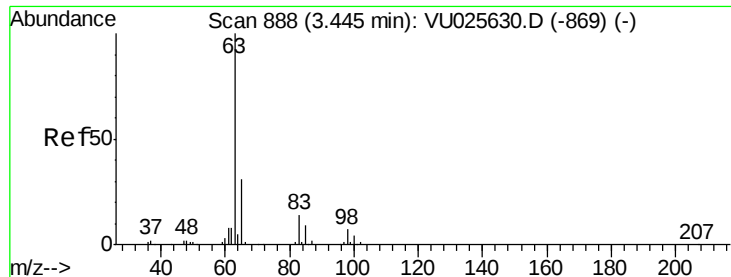
Ion Ratio Lower Upper

96 100

61 127.9 123.9 185.9

98 54.3 50.6 76.0





#17

1,1-Dichloroethane

Concen: 2.25 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

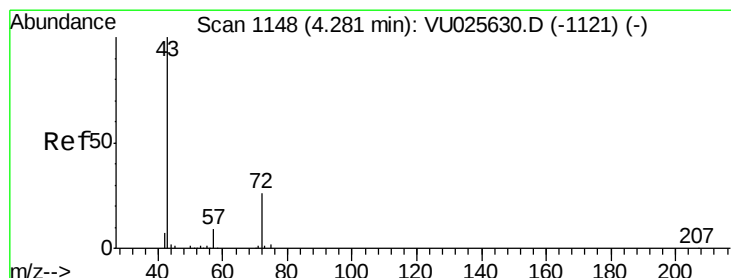
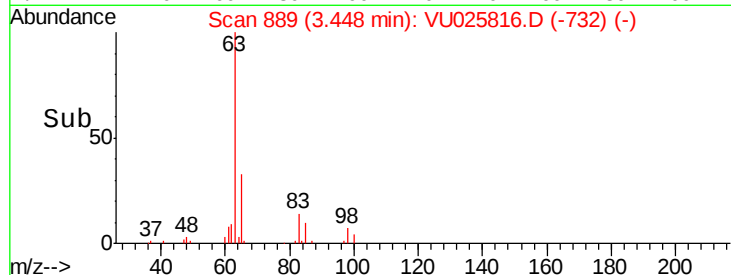
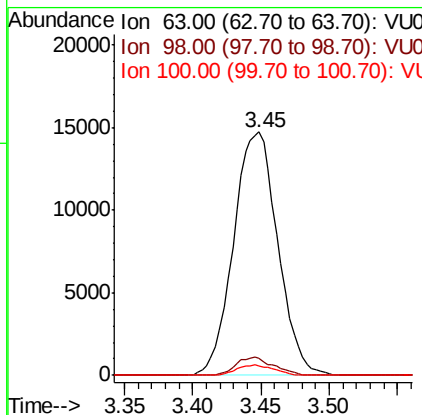
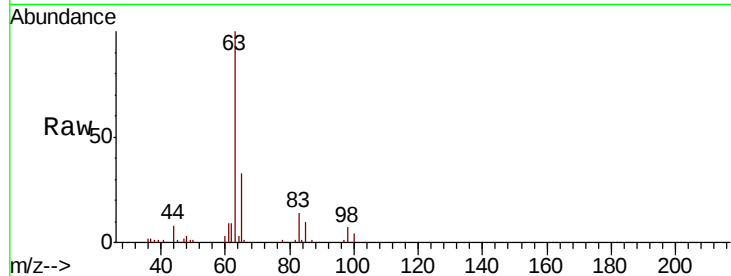
ClientSampleId :

VU0803WBSD01

Tot Ion:	63	Resp:	33127
Ion Ratio	Lower	Upper	
63	100		
98	6.9	2.9	8.8
100	4.1	2.0	5.8

Manual Integrations
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#18

2-Butanone

Concen: 10.89 ug/l

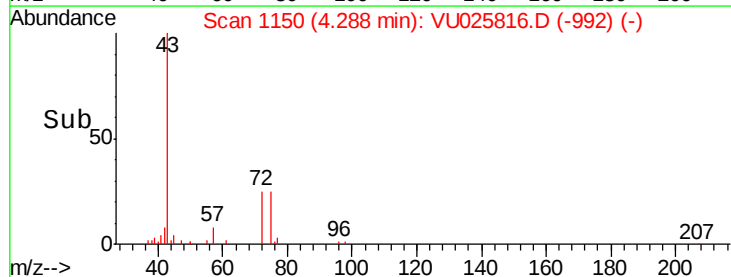
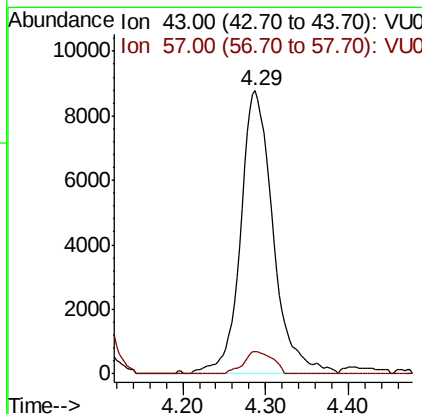
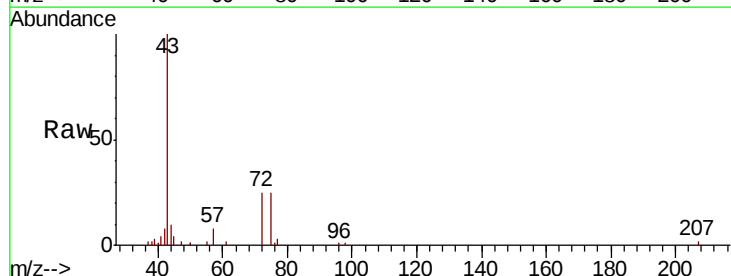
RT: 4.29 min Scan# 1150

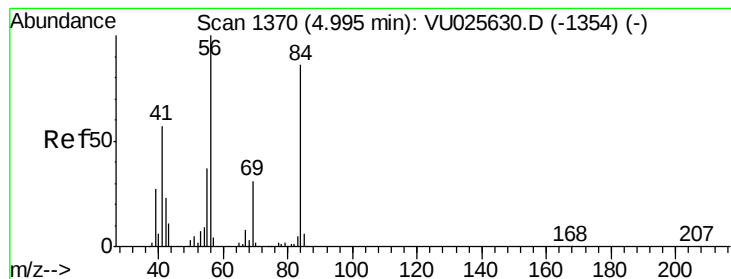
Delta R.T. 0.01 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	43	Resp:	23957
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	15.8





#19

Cyclohexane

Concen: 2.08 ug/l

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

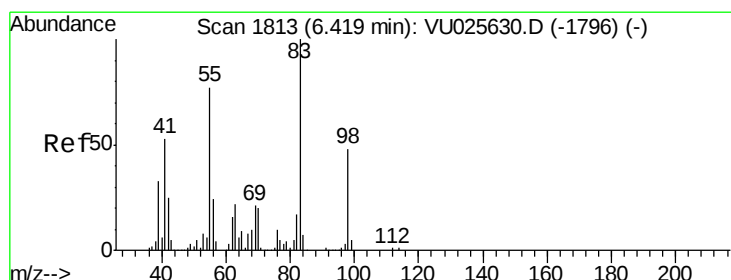
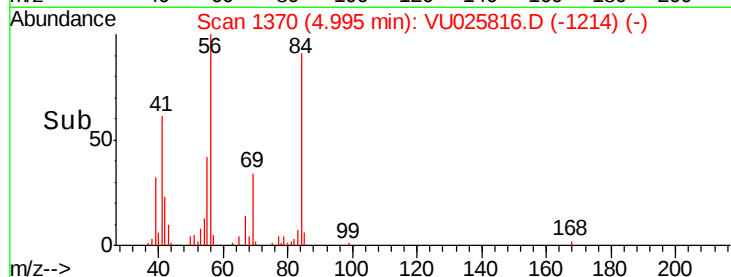
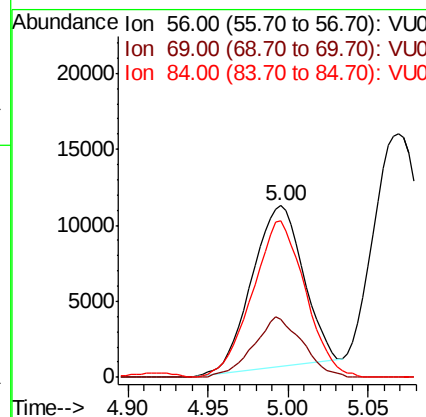
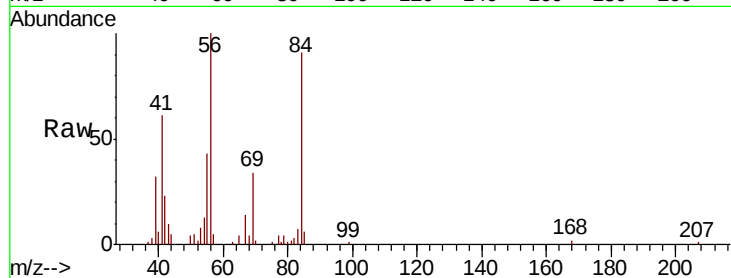
ClientSampleId :

VU0803WBSD01

Tot Ion:	56	Resp:	23594
Ion Ratio	Lower	Upper	
56	100		
69	35.8	26.0	39.0
84	99.8	68.3	102.5

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.97 ug/l

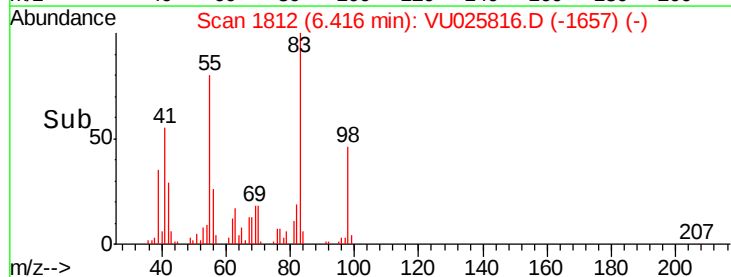
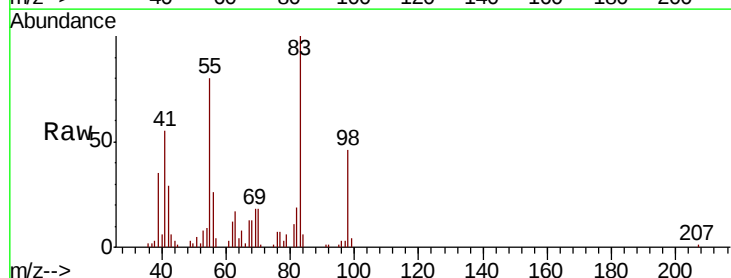
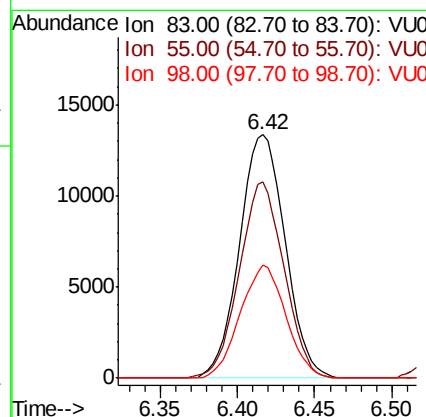
RT: 6.42 min Scan# 1812

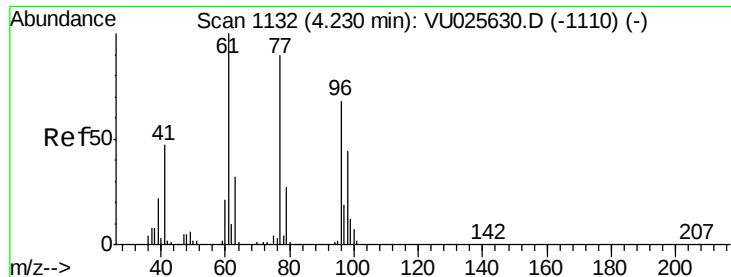
Delta R.T. -0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	83	Resp:	27416
Ion Ratio	Lower	Upper	
83	100		
55	78.7	66.4	99.6
98	46.4	35.4	53.2





#21

2,2-Dichloropropane

Concen: 2.28 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

VU0803WBSD01

Tot Ion: 77 Resp: 32020

Ion Ratio Lower Upper

77 100

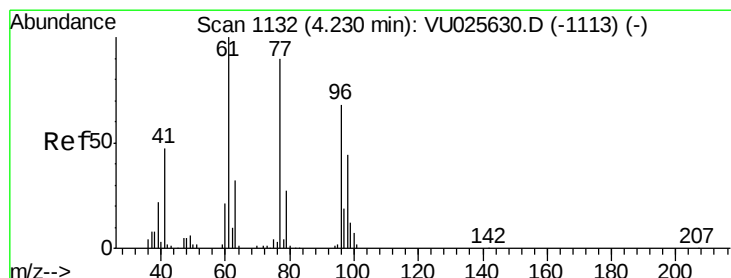
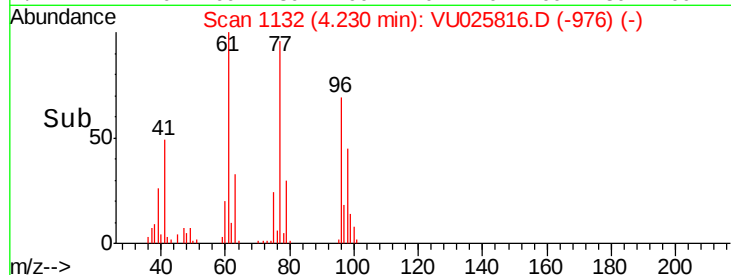
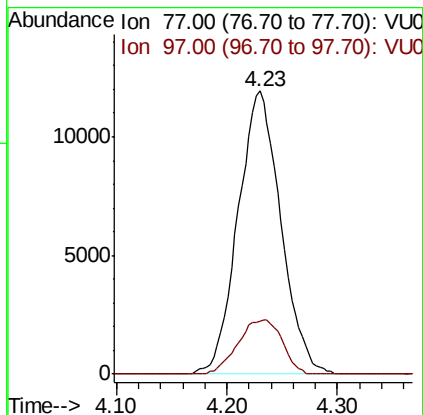
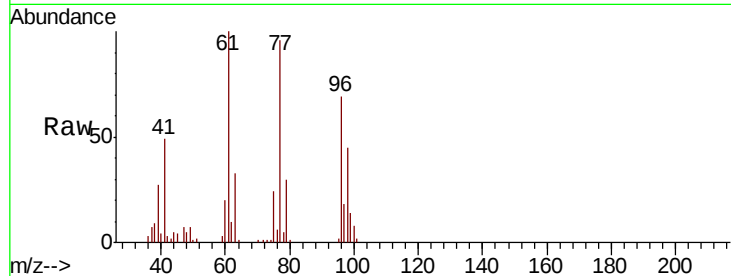
97 19.8 17.9 26.9

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 2.21 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

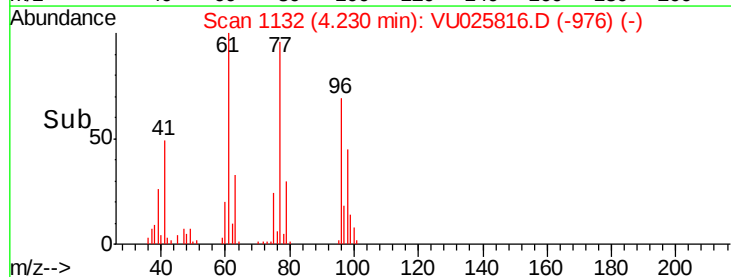
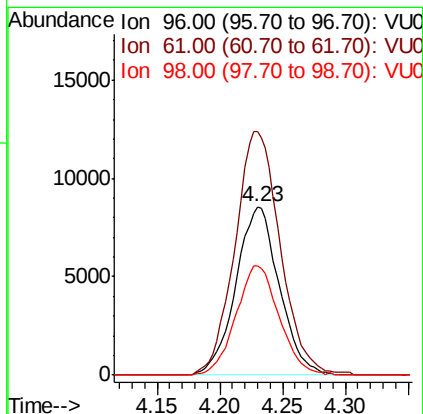
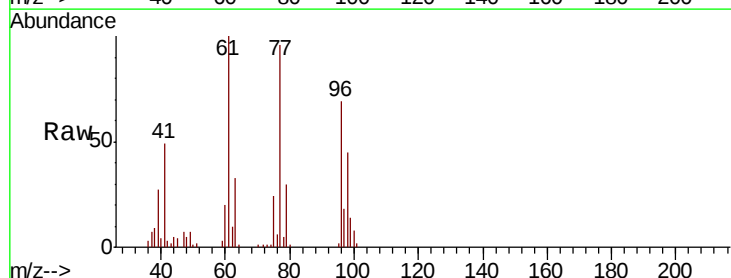
Tgt Ion: 96 Resp: 20628

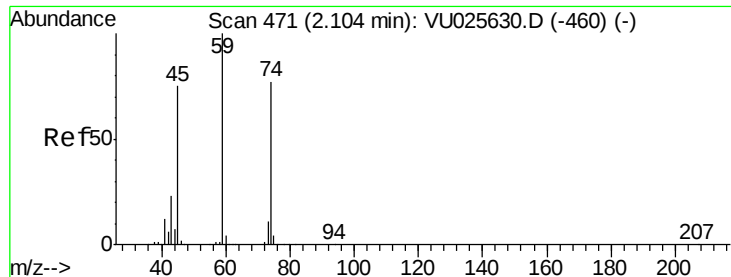
Ion Ratio Lower Upper

96 100

61 150.3 0.0 400.5

98 64.6 32.2 96.6





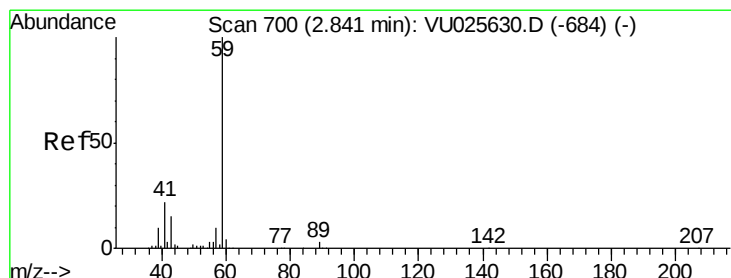
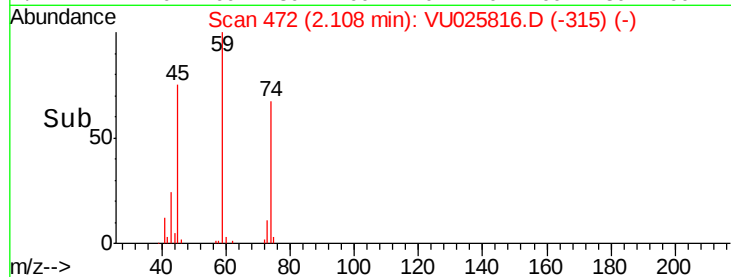
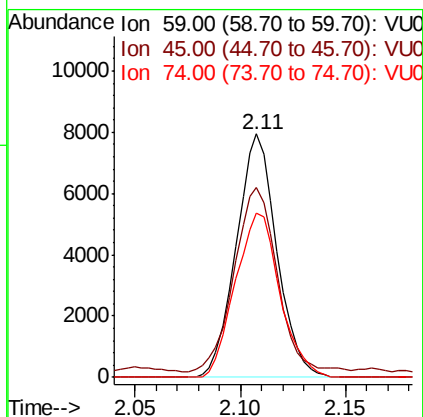
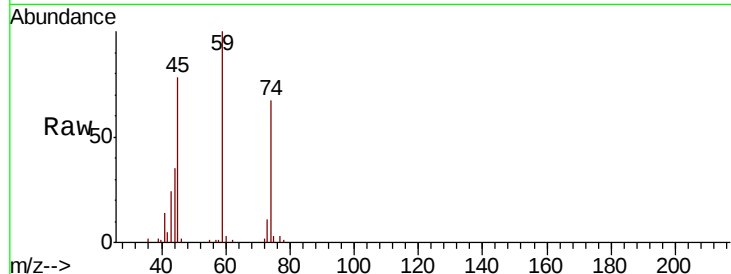
#23
Diethyl Ether
Concen: 2.11 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
45	79.8	60.0	90.0
74	74.1	56.5	84.7

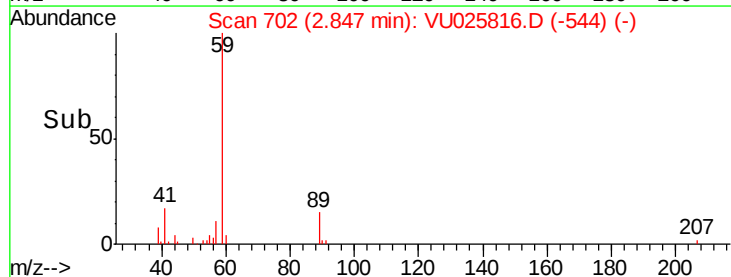
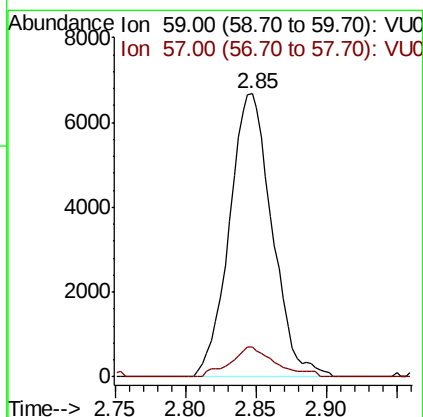
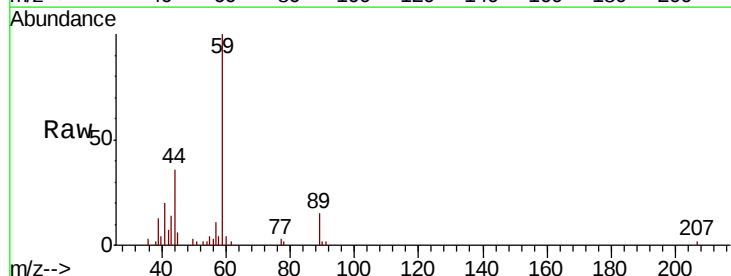
Manual Integrations
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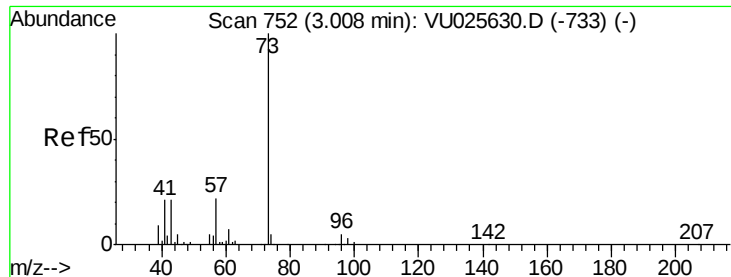
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 24.05 ug/l
RT: 2.85 min Scan# 702
Delta R.T. 0.01 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	3.4	5.2#





#25

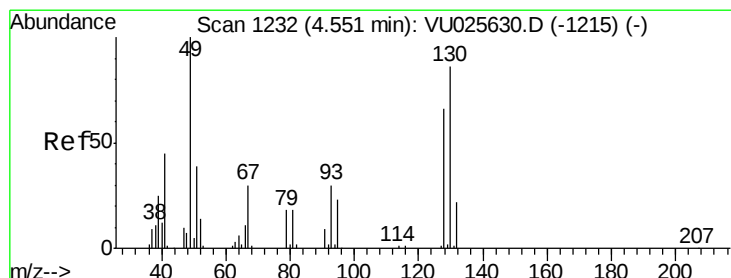
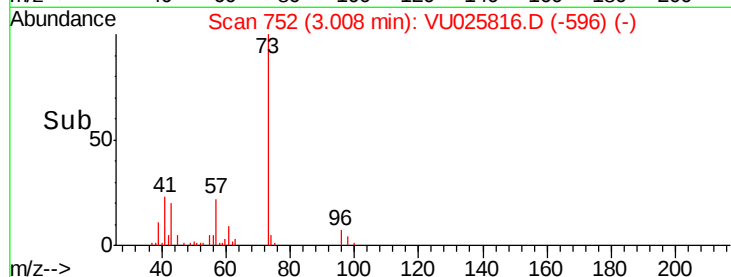
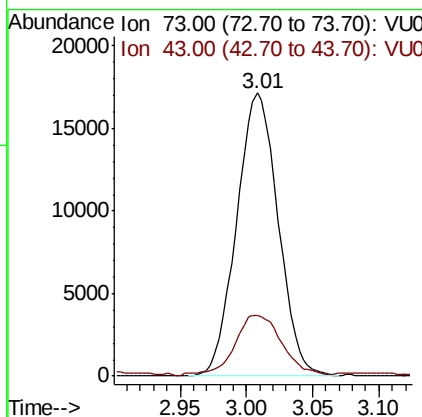
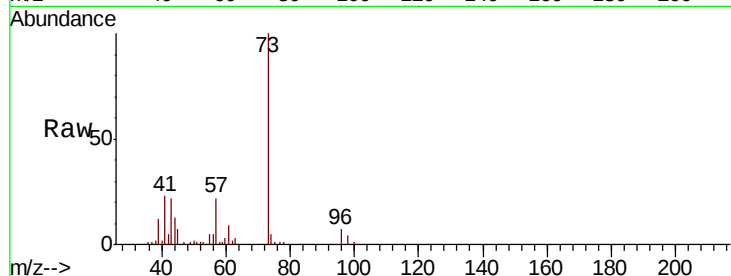
Methvl tert-Butvl Ether
 Concen: 2.09 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.9	16.2	24.2#

Manual Integrations
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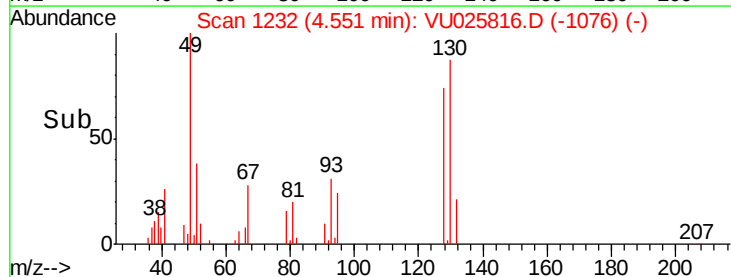
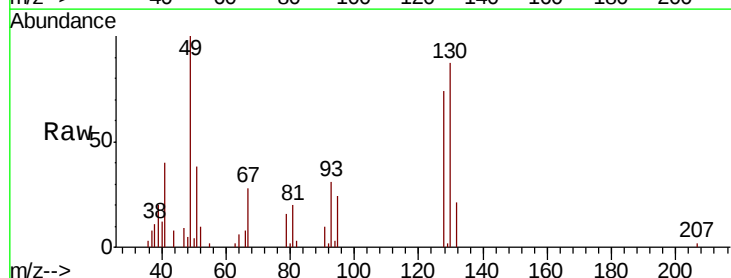
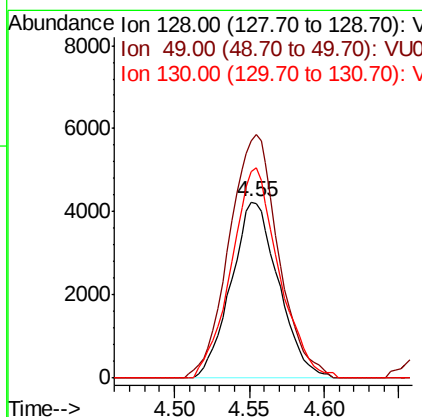
MMDadoda
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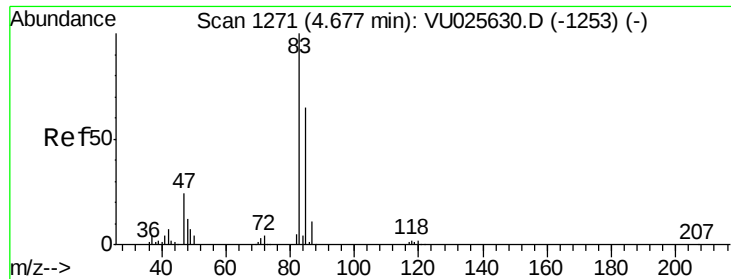


#26

Bromochloromethane
 Concen: 2.28 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
128	100		
49	143.6	0.0	375.2
130	119.6	105.8	158.6





#27

Chloroform

Concen: 2.23 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 83 Resp: 36064

Ion Ratio Lower Upper

83 100

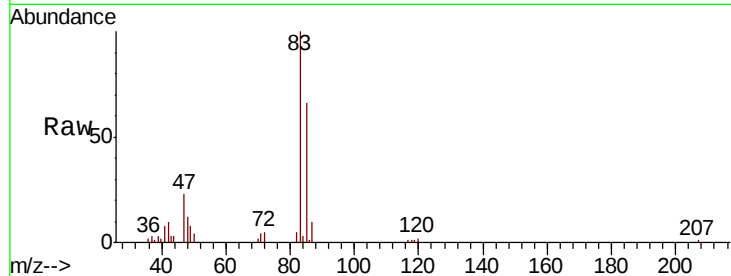
85 65.6 0.0 128.4

Manual Integrations

APPROVED

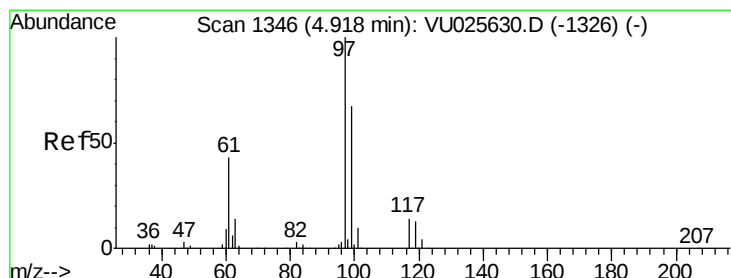
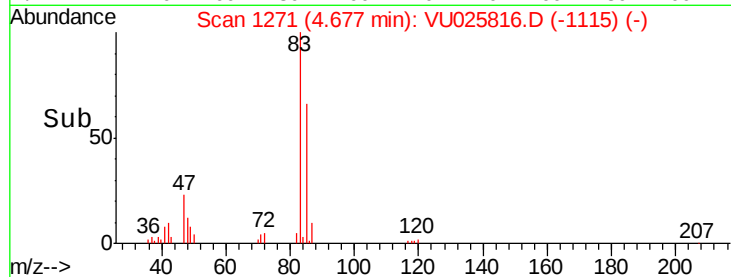
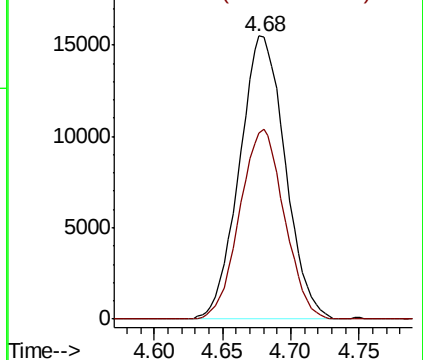
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.17 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

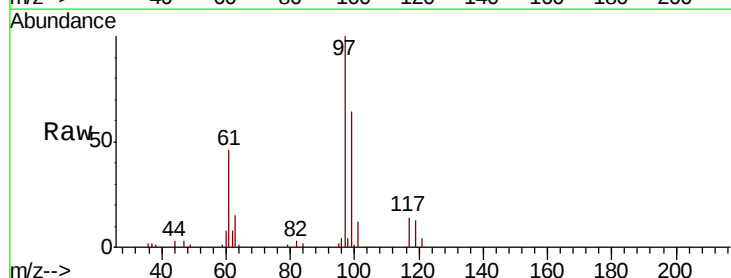
Tgt Ion: 97 Resp: 31601

Ion Ratio Lower Upper

97 100

99 63.4 32.3 96.9

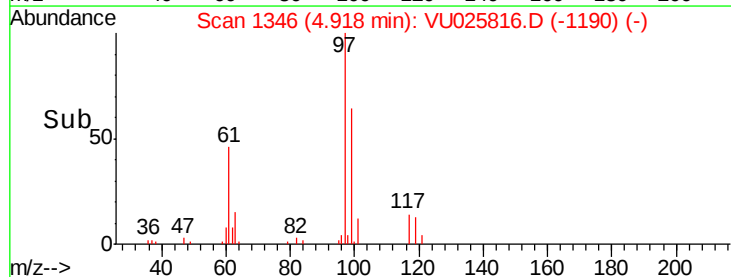
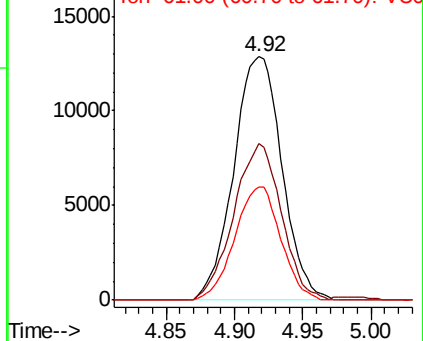
61 44.3 23.2 69.5

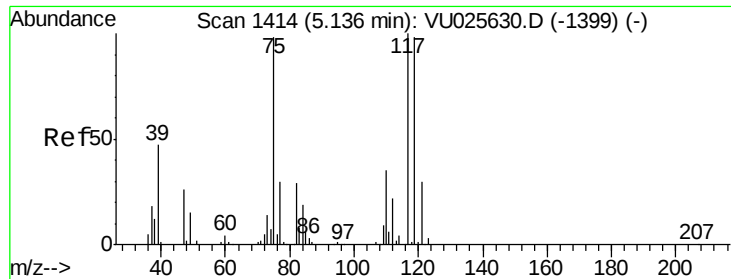


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





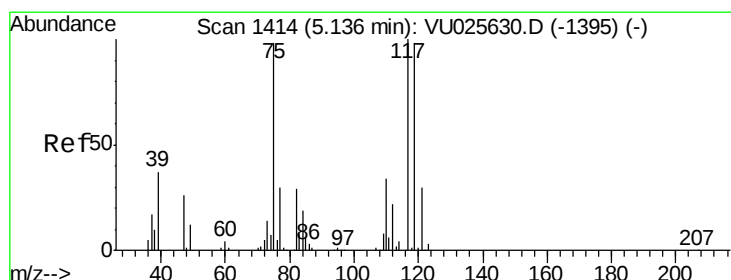
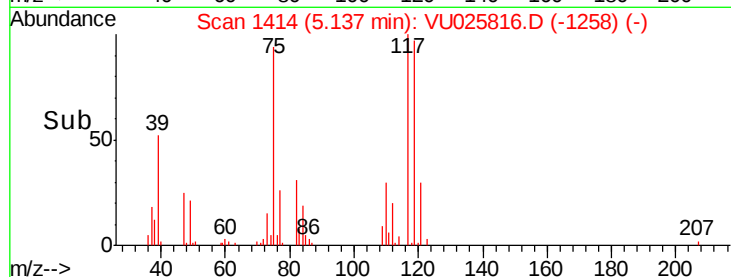
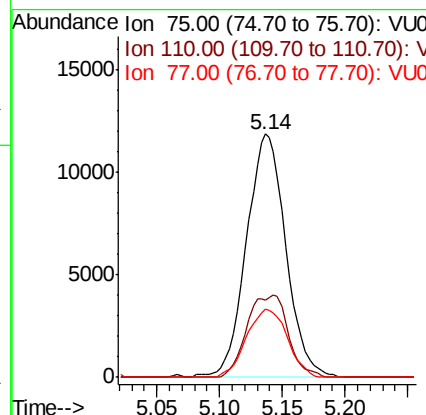
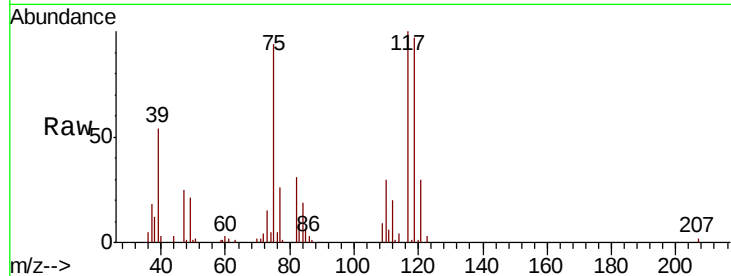
#29
 1,1-Dichloropropene
 Concen: 2.17 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.2	16.9	50.7
77	29.1	24.8	37.2

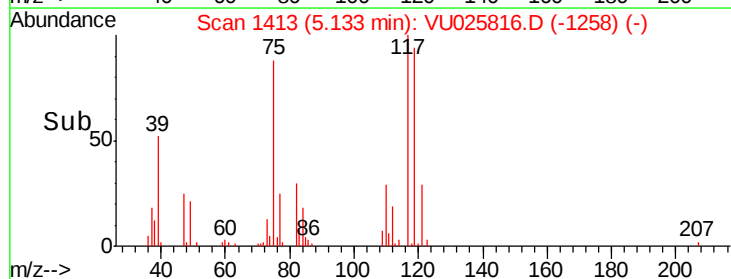
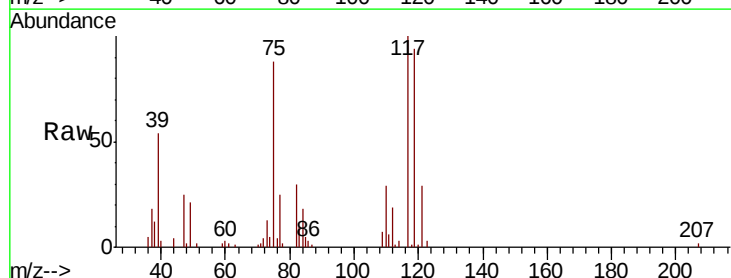
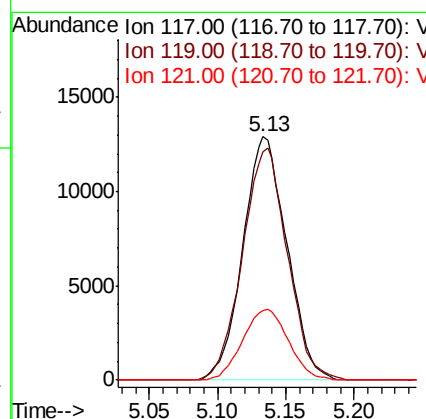
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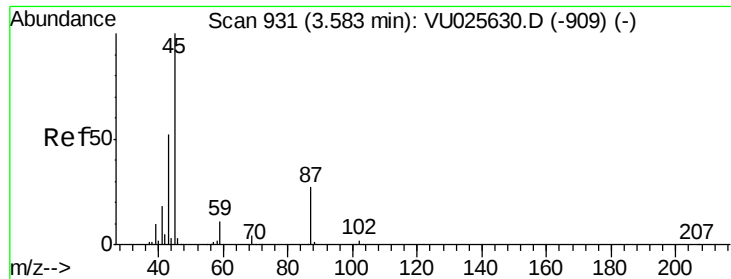
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 2.19 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.3	115.9
121	28.6	24.5	36.7





#31

Isopropyl Ether

Concen: 2.17 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 45 Resp: 50985

Ion Ratio Lower Upper

45 100

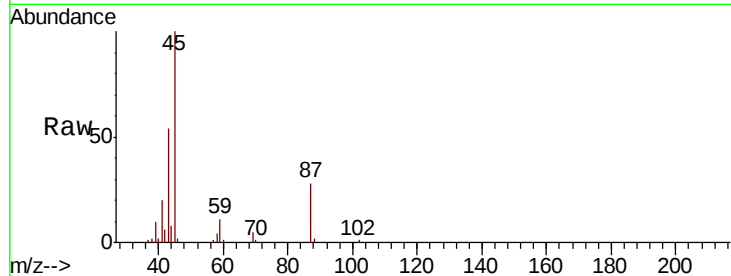
43 53.4 24.0 72.0

Manual Integrations

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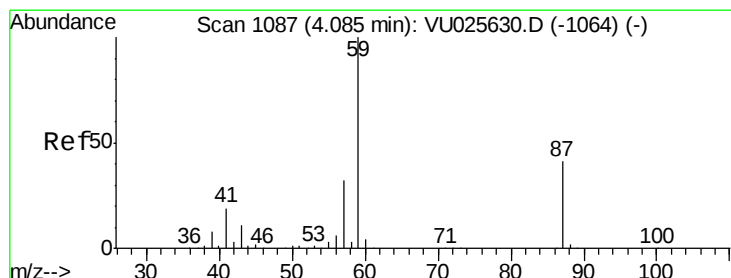
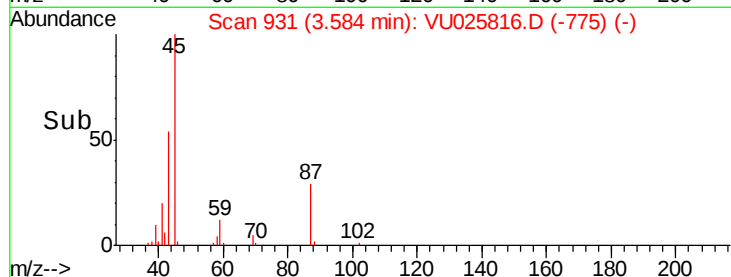
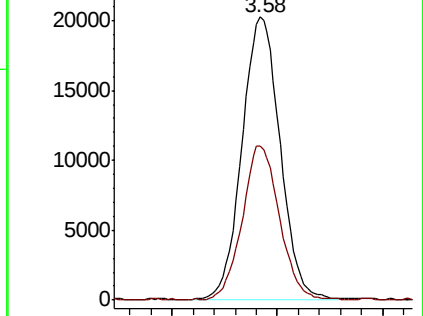
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 2.05 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025816.D

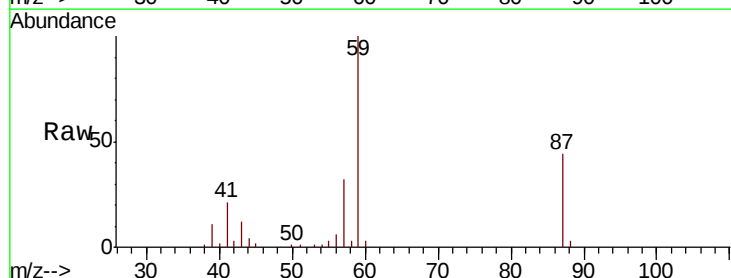
Acq: 03 Aug 2018 13:38

Tgt Ion: 59 Resp: 45814

Ion Ratio Lower Upper

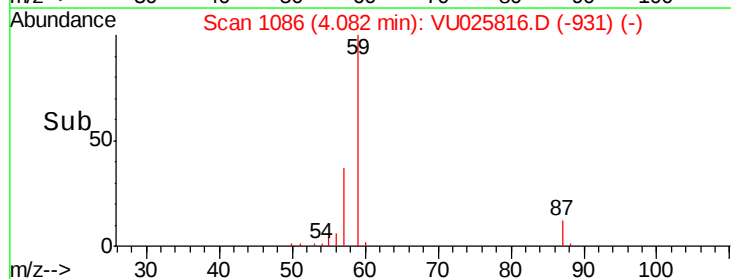
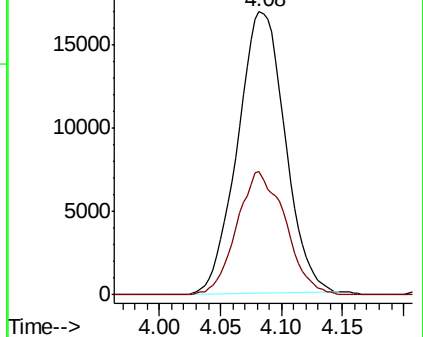
59 100

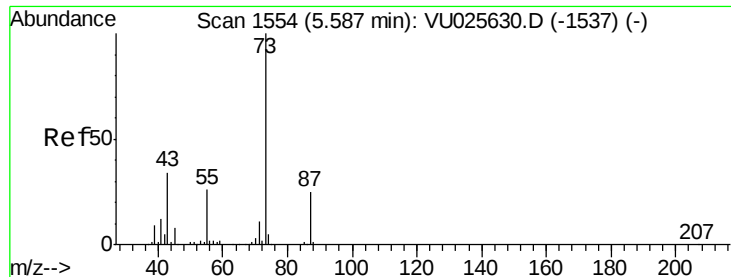
87 44.6 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





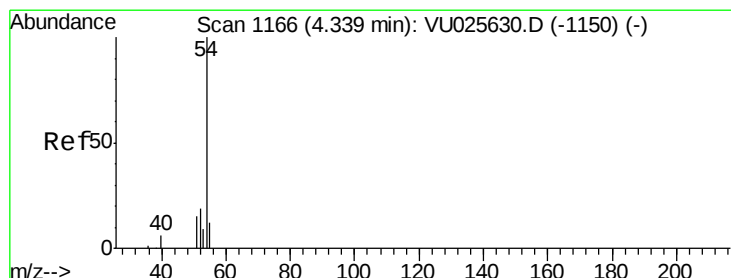
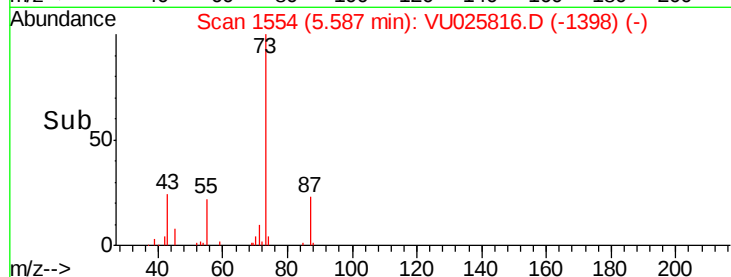
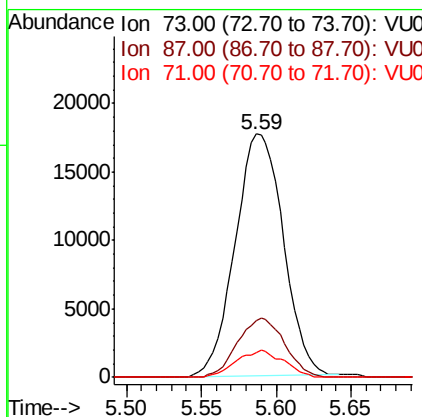
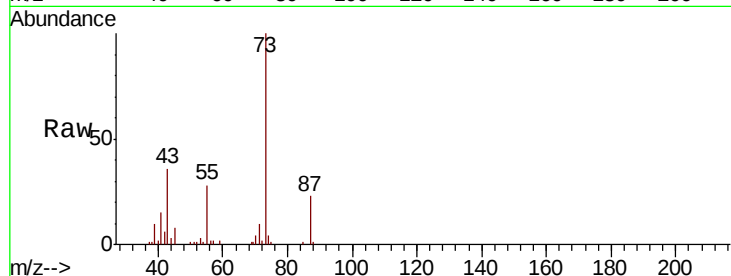
#33
Tert-Butyl methyl ether
Concen: 2.00 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	18.6	28.0
71	11.0	9.3	13.9

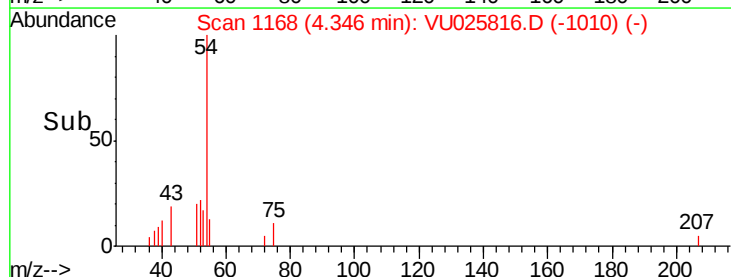
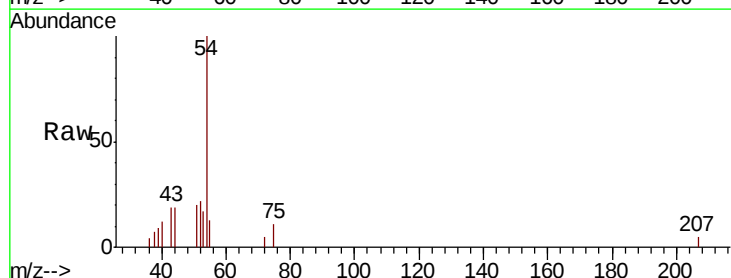
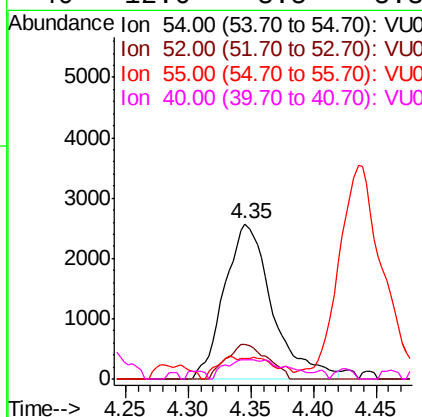
Manual Integrations
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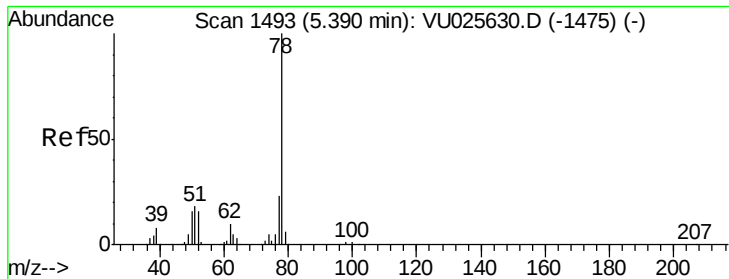
MMDadoda
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#34
Propionitrile
Concen: 11.15 ug/l
RT: 4.35 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.2	13.7	20.5
55	8.1	10.2	15.2#
40	12.6	3.5	5.3#





#35

Benzene

Concen: 2.24 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 78 Resp: 74670

Ion Ratio Lower Upper

78 100

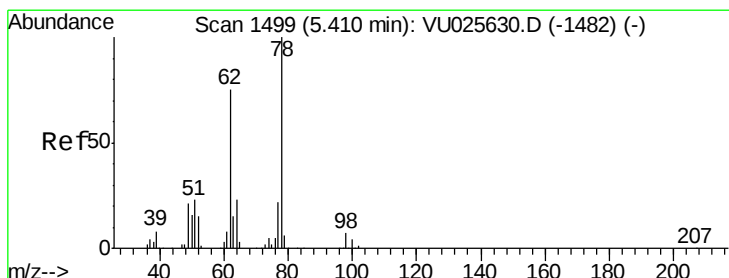
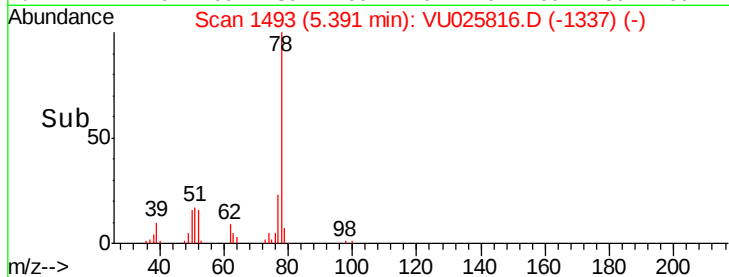
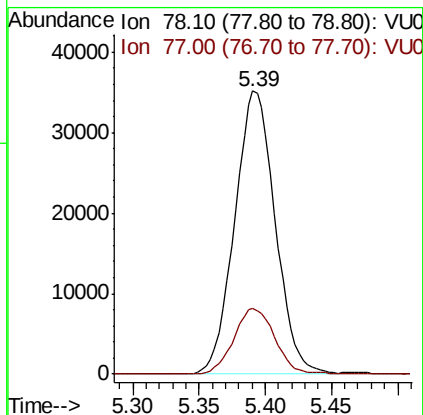
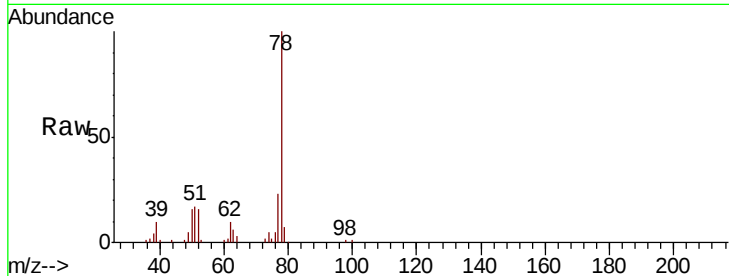
77 23.0 19.1 28.7

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 2.19 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025816.D

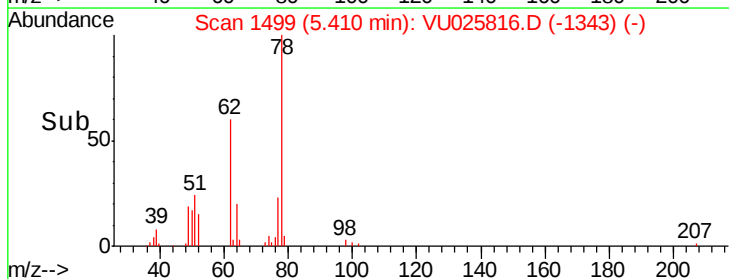
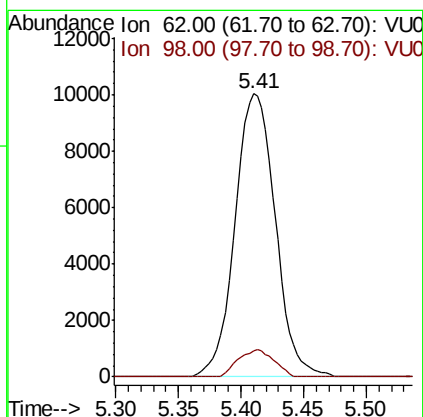
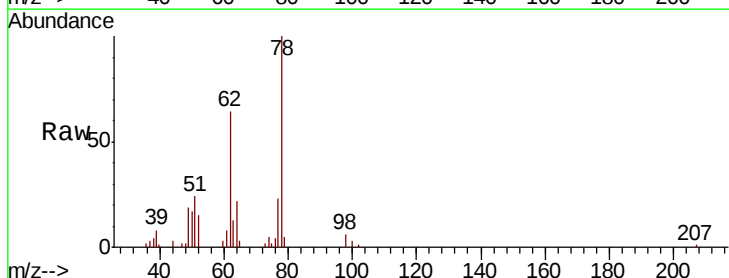
Acq: 03 Aug 2018 13:38

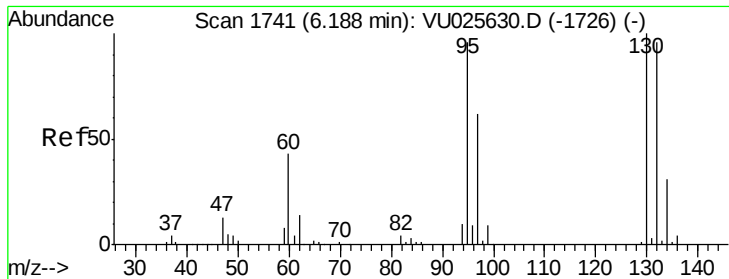
Tgt Ion: 62 Resp: 22439

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8





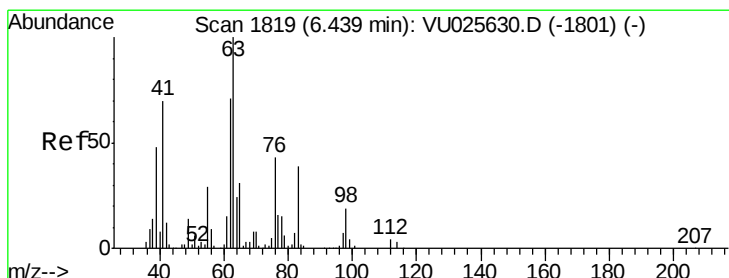
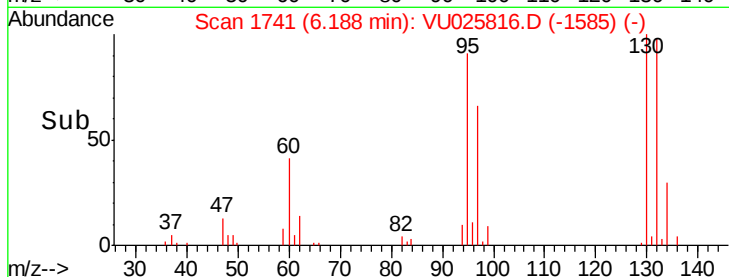
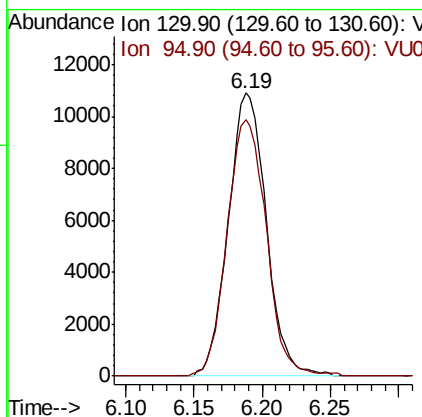
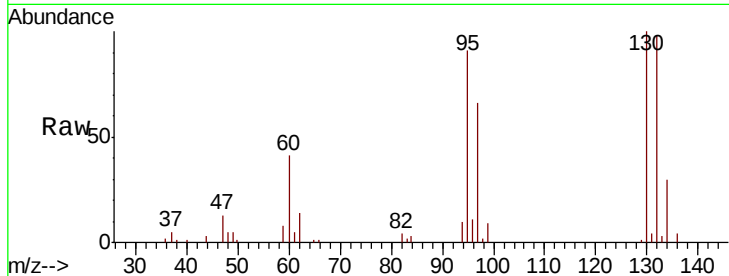
#37
 Trichloroethene
 Concen: 2.15 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion:130 Resp: 21123
 Ion Ratio Lower Upper
 130 100
 95 90.7 77.9 116.9

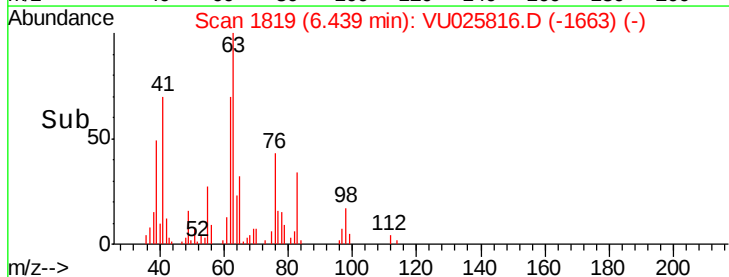
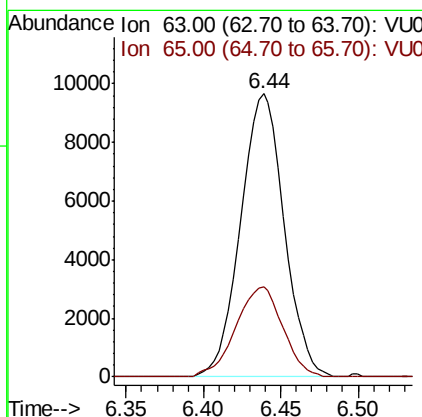
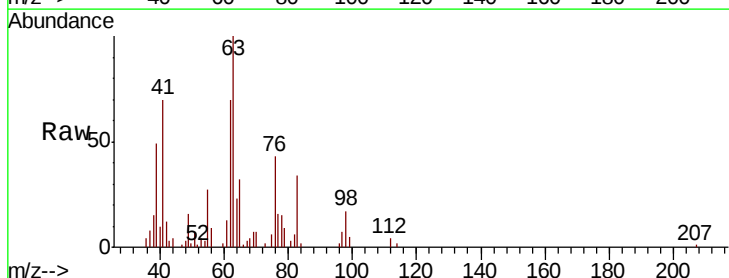
Manual Integrations
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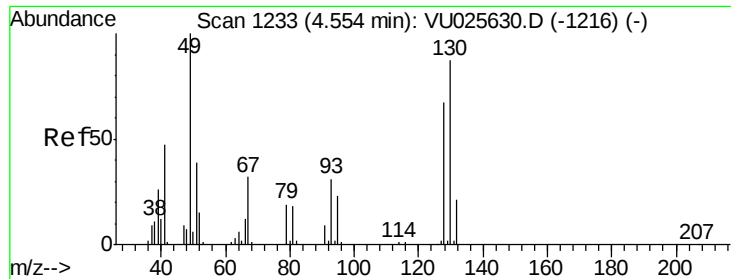
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#38
 1,2-Dichloropropane
 Concen: 2.18 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion: 63 Resp: 18928
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.8 38.8





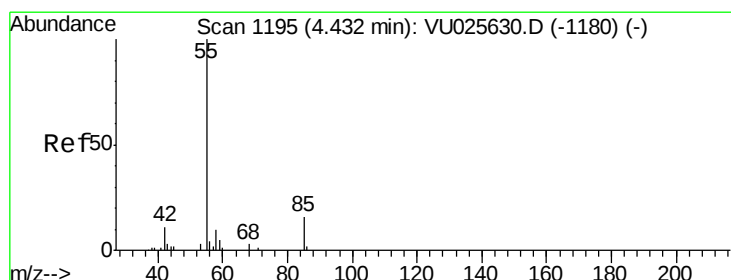
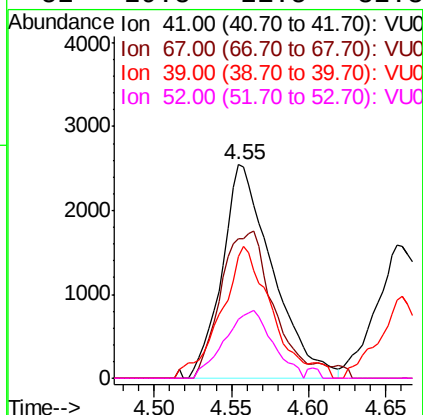
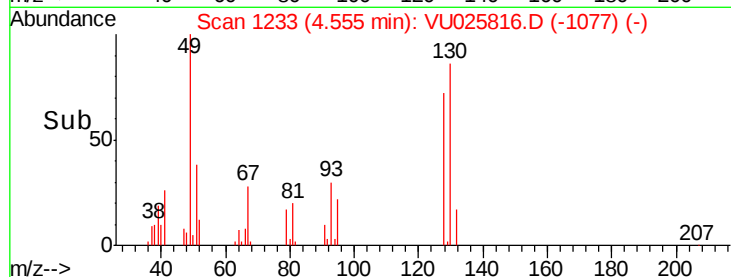
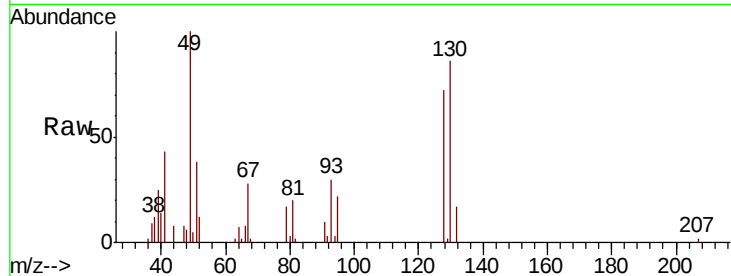
#39
Methacrylonitrile
Concen: 2.05 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
67	72.7	51.3	76.9
39	60.1	40.6	60.8
52	29.8	21.5	32.3

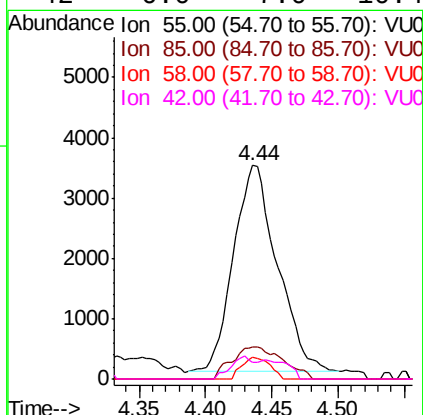
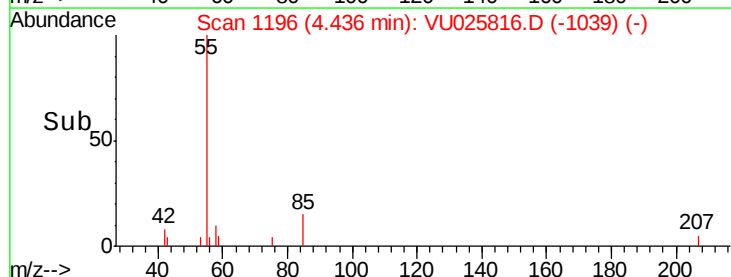
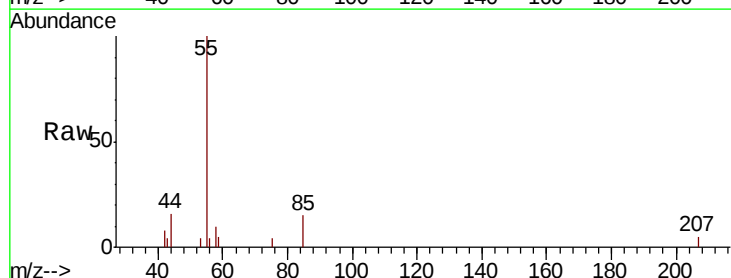
Manual Integrations
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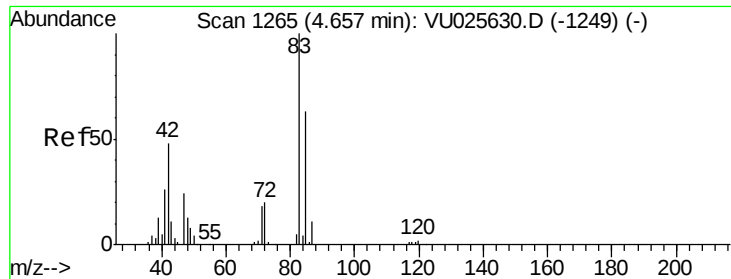
MMDadoda
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#40
Methyl acrylate
Concen: 1.86 ug/l
RT: 4.44 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.9	12.3	18.5
58	6.7	7.0	10.6#
42	6.0	7.0	10.4#





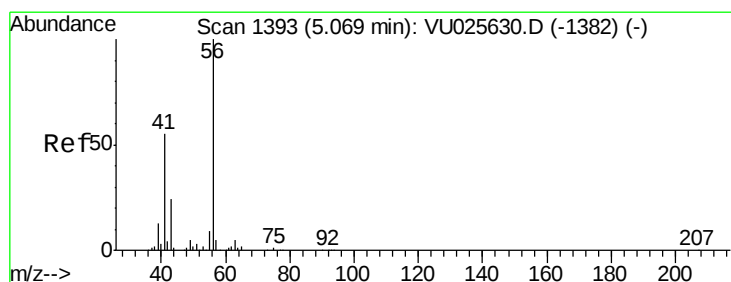
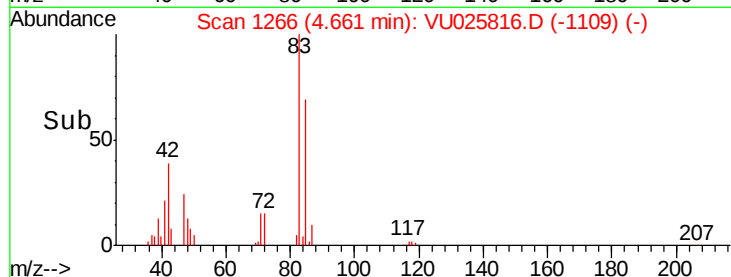
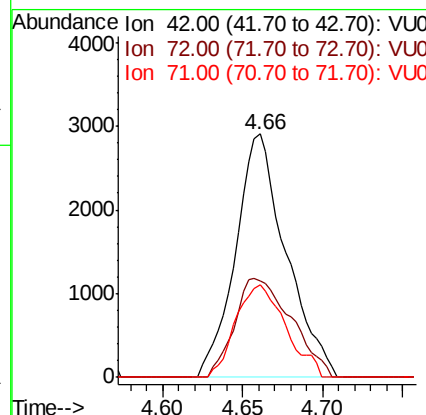
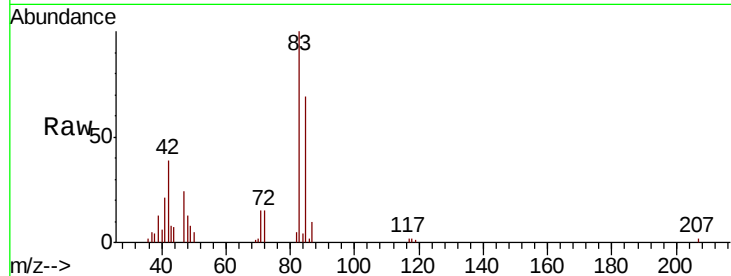
#41
Tetrahydrofuran
Concen: 3.77 ug/l
RT: 4.66 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	33.2	49.8
71	37.7	29.8	44.8

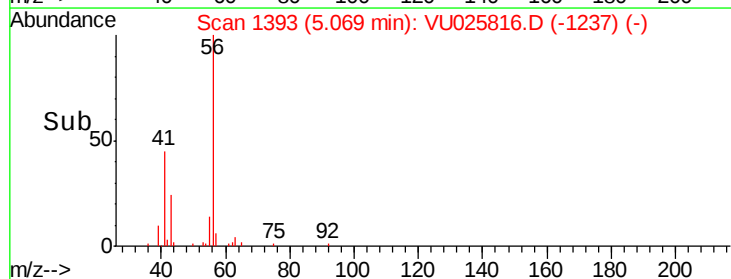
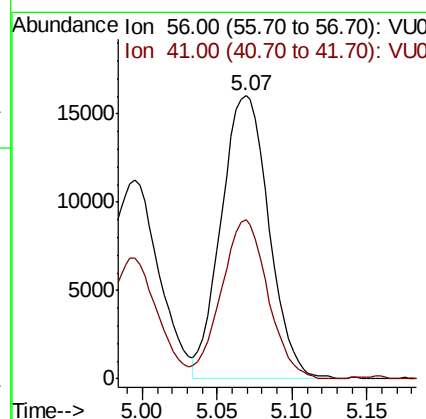
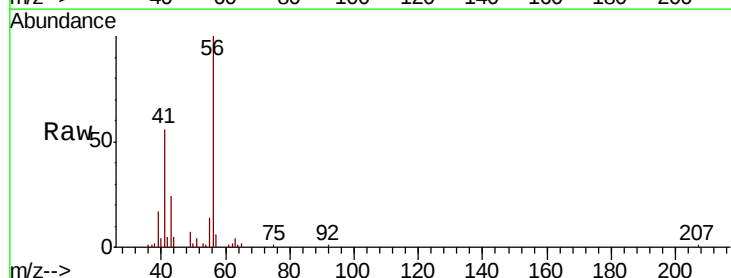
Manual Integrations
APPROVED

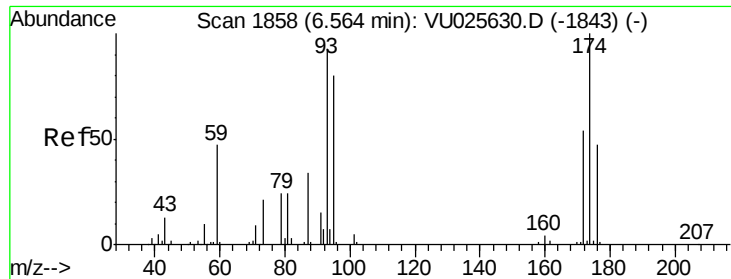
MMDadoda
8/6/2018 5:38:53 PM



#42
1-Chlorobutane
Concen: 2.19 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.9	27.5	82.5





#43

Dibromomethane

Concen: 2.20 ug/l

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

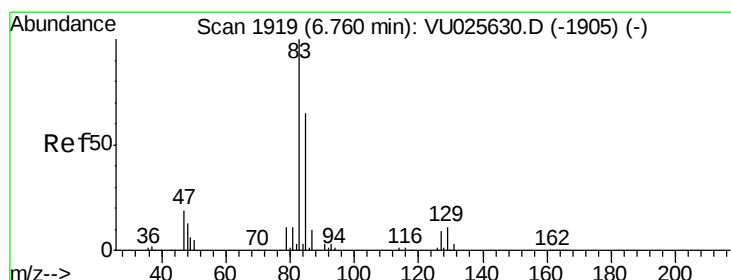
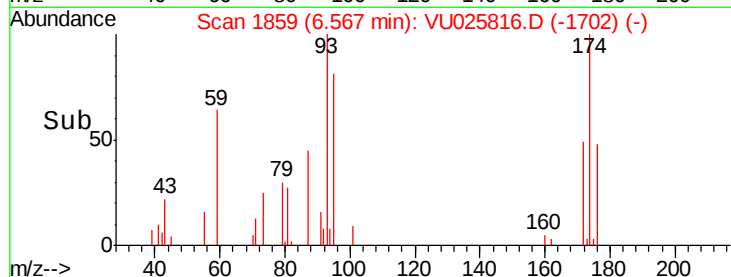
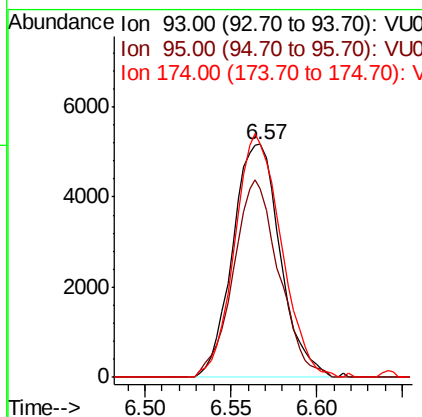
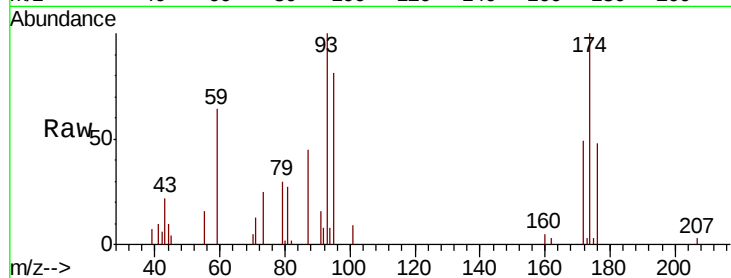
ClientSampleId :

VU0803WBSD01

Tot Ion:	93	Resp:	9959
Ion	Ratio	Lower	Upper
93	100		
95	81.2	67.2	100.8
174	102.0	82.8	124.2

Manual Integrations
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8/6/2018 5:38:53 PM



#44

Bromodichloromethane

Concen: 2.12 ug/l

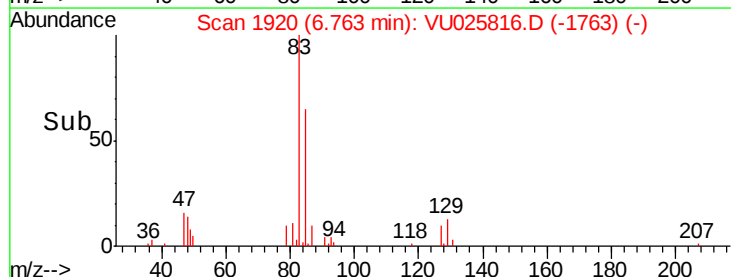
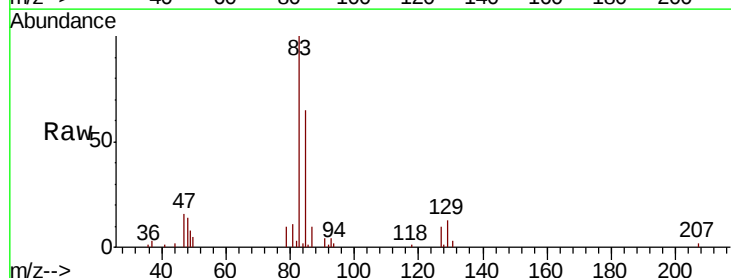
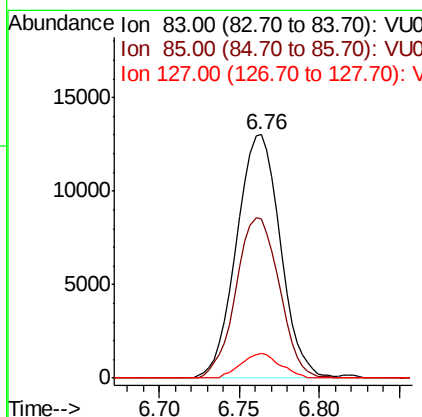
RT: 6.76 min Scan# 1920

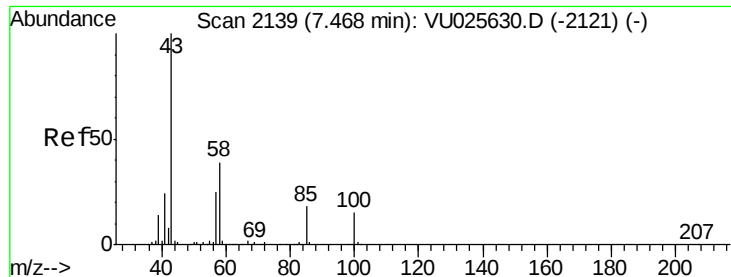
Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	83	Resp:	24344
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	10.3	7.0	10.4





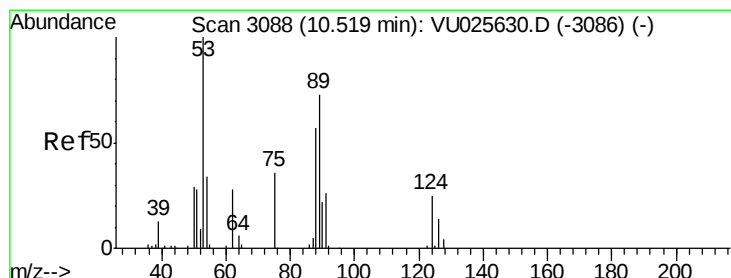
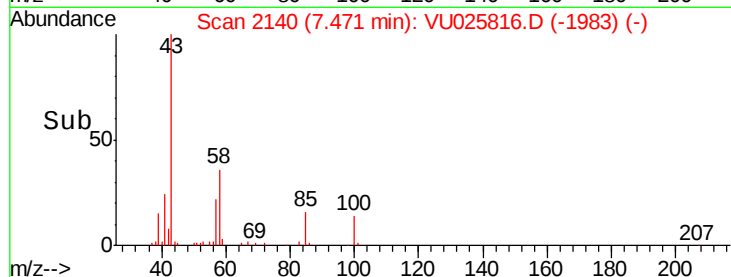
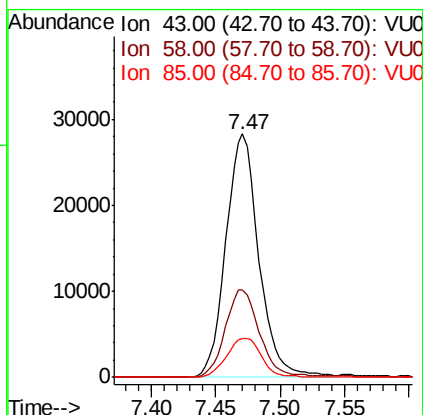
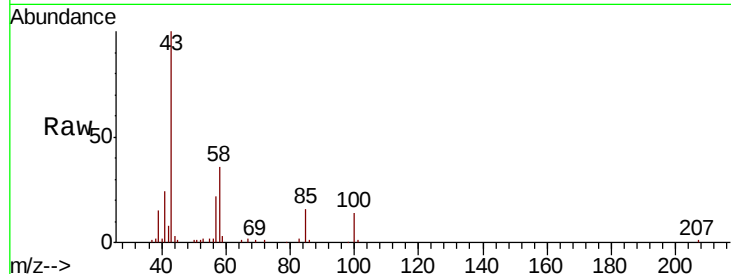
#45
4-Methyl-2-Pentanone
Concen: 9.98 ug/l
RT: 7.47 min Scan# 2140
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.1	18.8	56.4
85	16.7	12.6	19.0

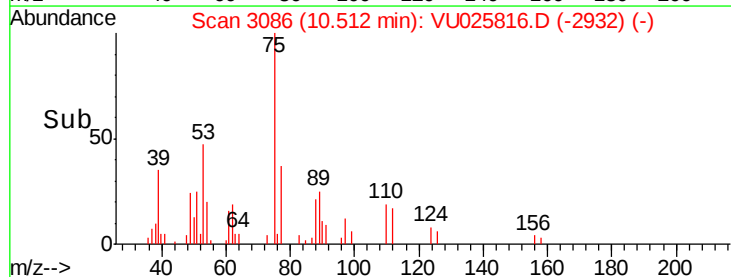
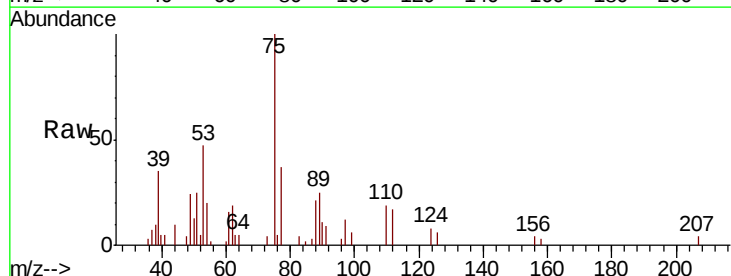
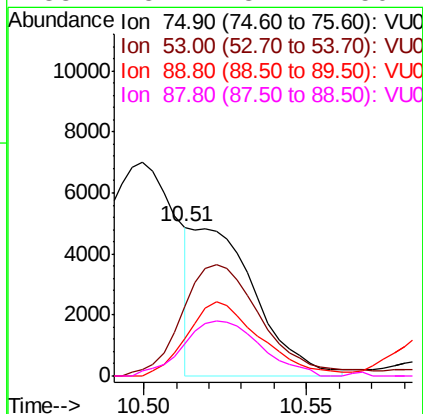
Manual Integrations
APPROVED

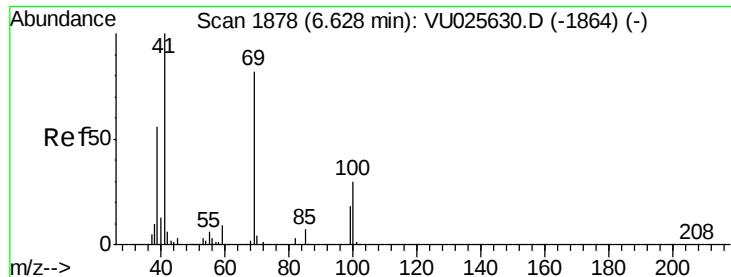
MMDadoda
8/6/2018 5:38:53 PM



#46
t-1,4-Dichloro-2-butene
Concen: 4.36 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.6	82.2	123.4
89	57.7	51.3	76.9
88	45.2	37.4	56.2





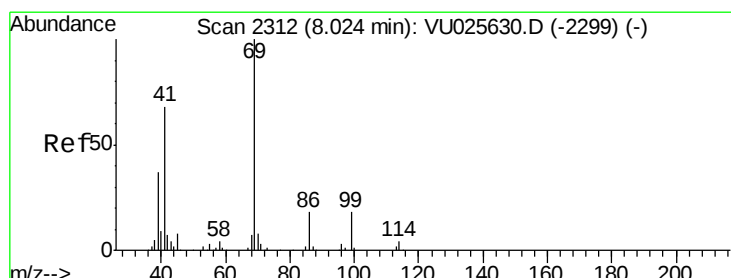
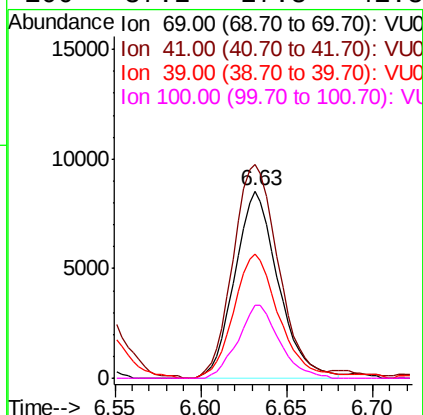
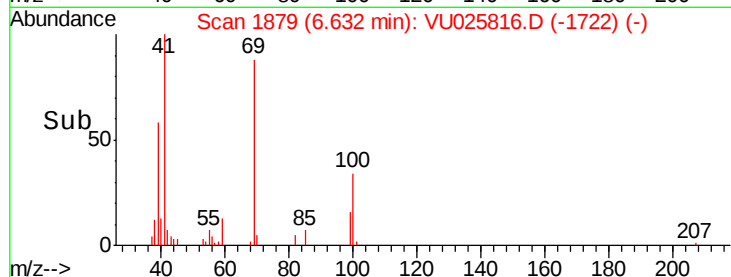
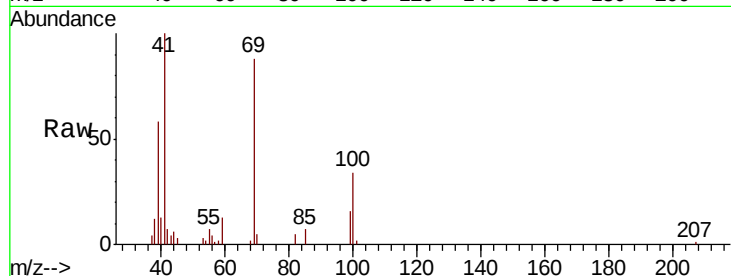
#47
Methyl methacrylate
Concen: 3.95 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	119.1	0.0	245.4
39	69.3	49.0	73.4
100	37.2	27.8	41.8

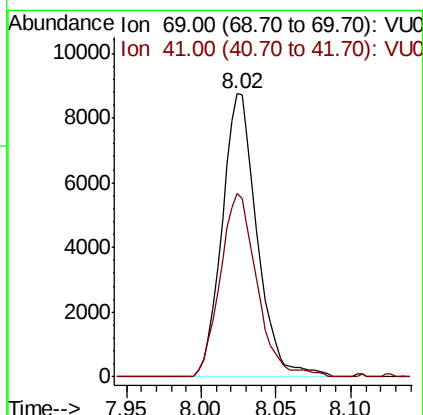
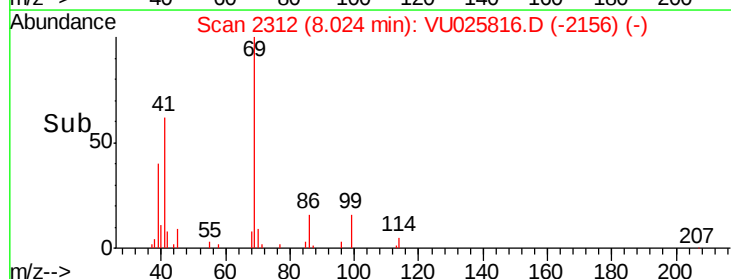
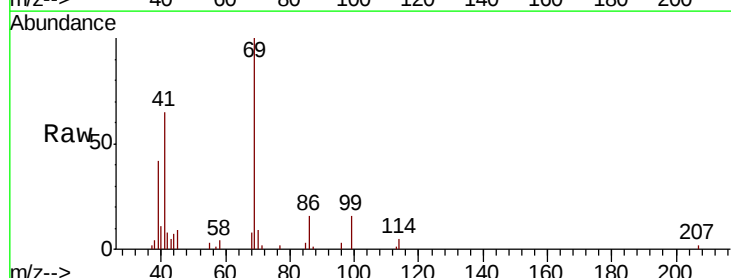
Manual Integrations
APPROVED

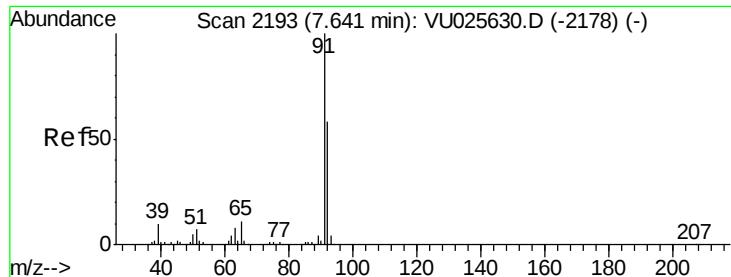
MMDadoda
8/6/2018 5:38:53 PM



#48
Ethyl methacrylate
Concen: 1.87 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.2	102.5





#49

Toluene

Concen: 2.01 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 92 Resp: 41059

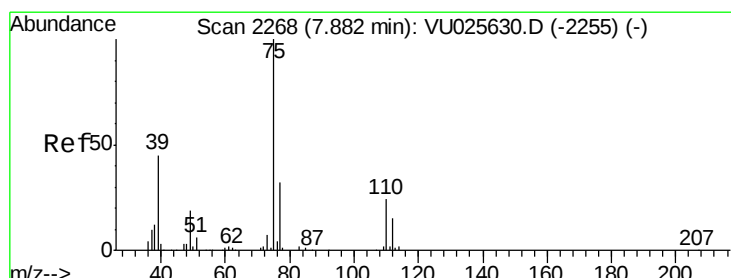
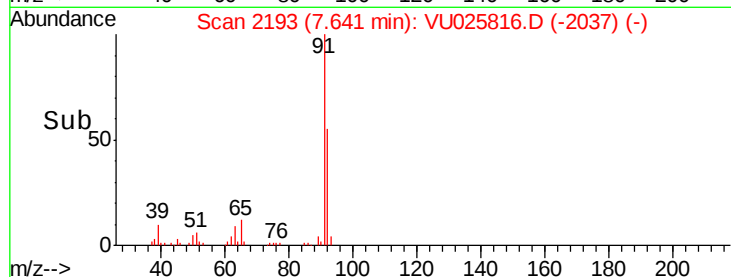
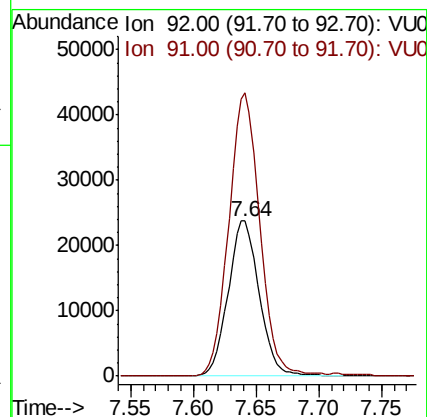
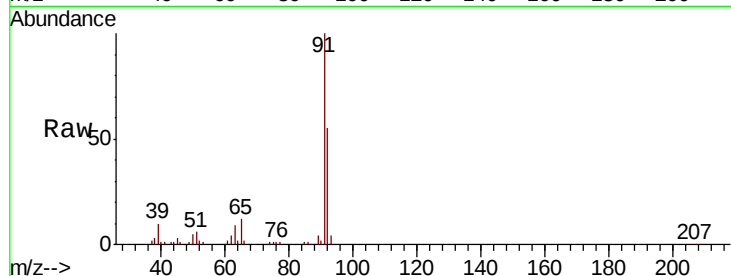
Ion Ratio Lower Upper

92 100

91 181.3 137.1 205.7

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 2.09 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU025816.D

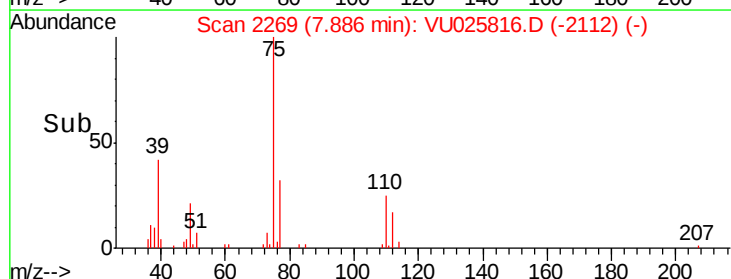
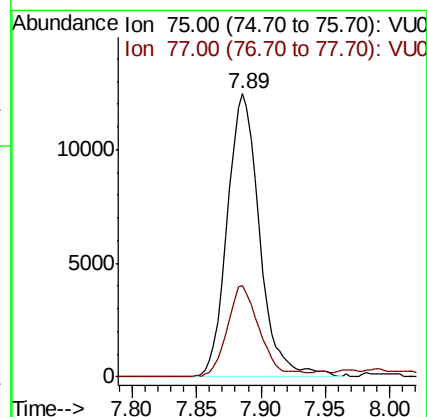
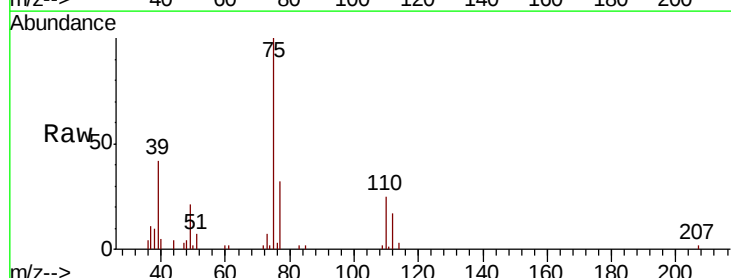
Acq: 03 Aug 2018 13:38

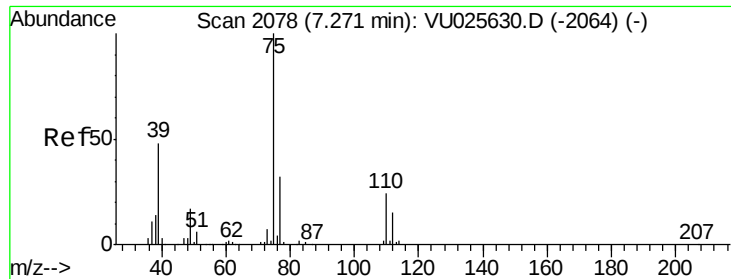
Tgt Ion: 75 Resp: 21680

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8





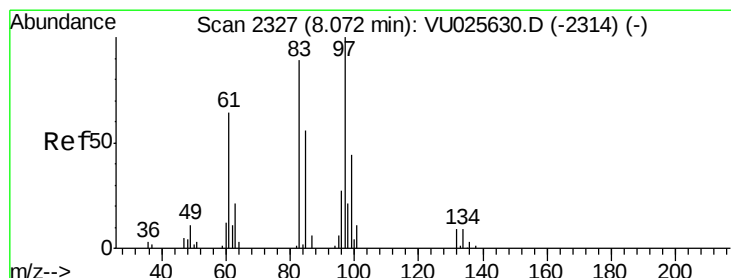
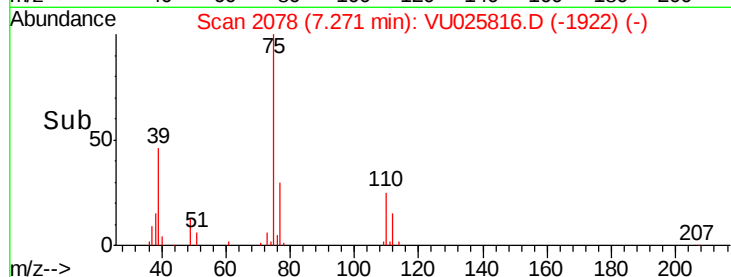
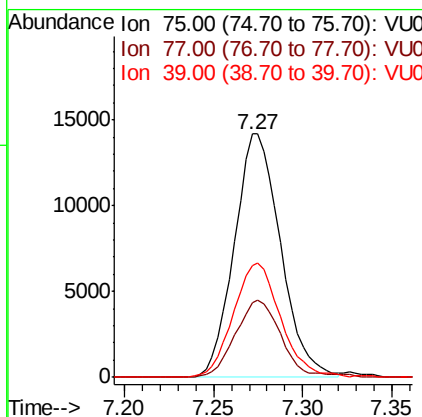
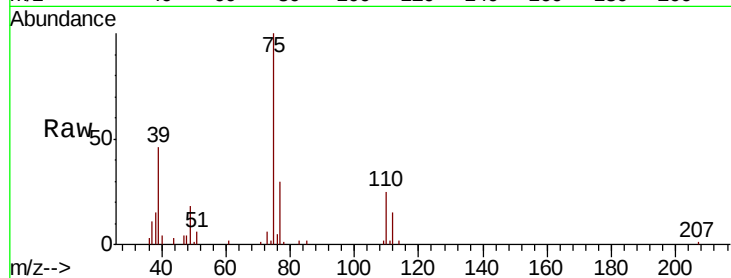
#51
 cis-1,3-Dichloropropene
 Concen: 2.07 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion:	75	Resp:	25687
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8
39	46.1	36.4	54.6

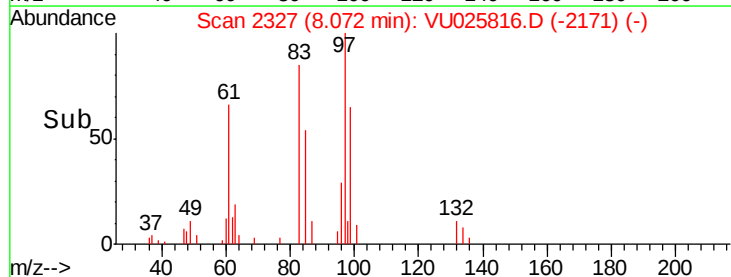
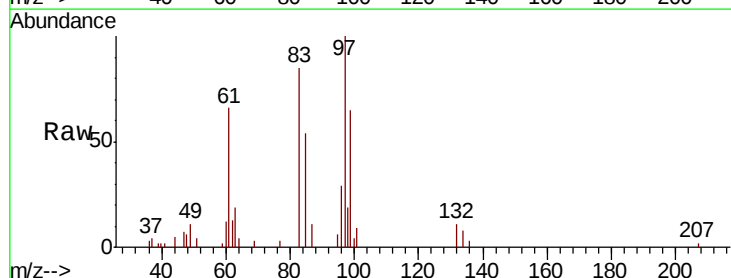
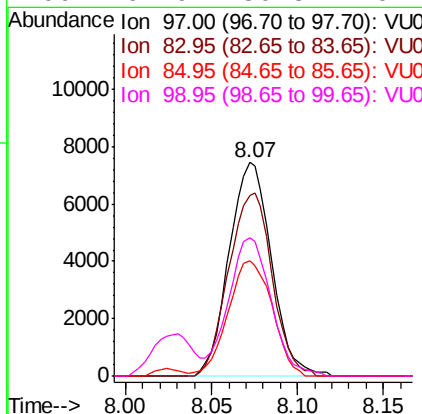
Manual Integrations
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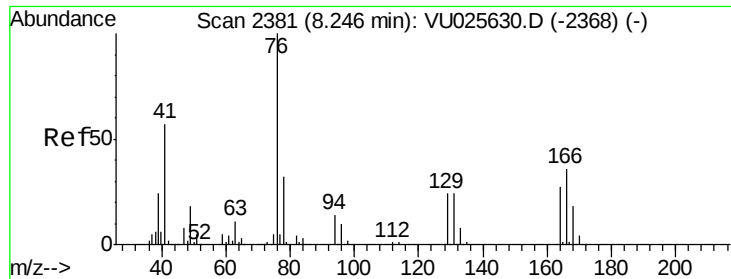
MMDadoda
 8/6/2018 5:38:53 PM



#52
 1,1,2-Trichloroethane
 Concen: 2.10 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion:	97	Resp:	12716
Ion	Ratio	Lower	Upper
97	100		
83	84.8	72.6	109.0
85	54.2	47.2	70.8
99	64.9	50.8	76.2





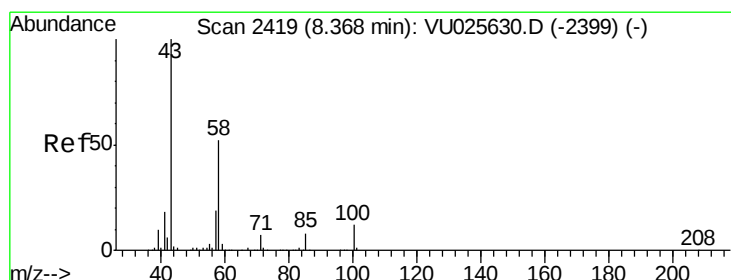
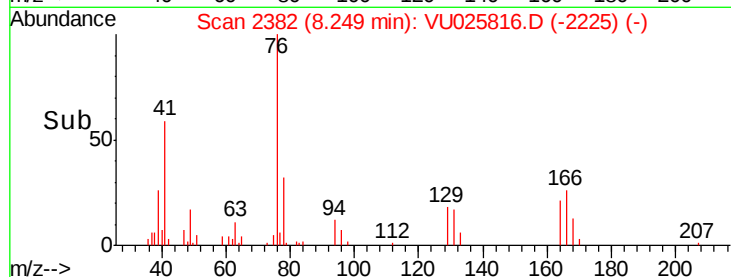
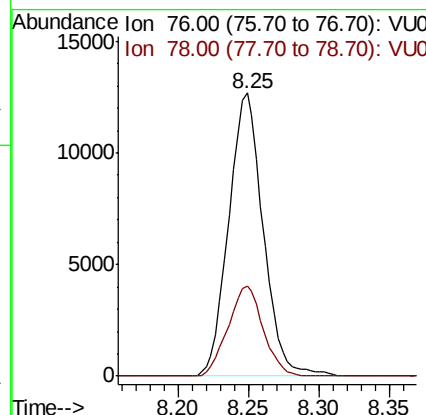
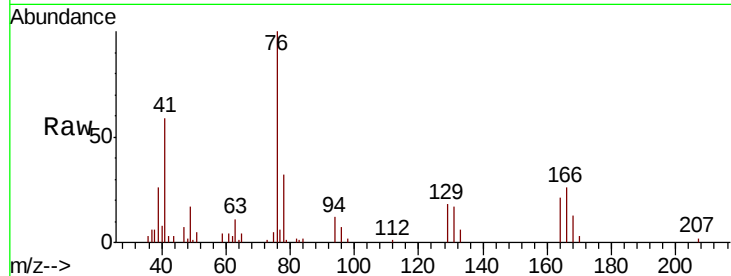
#53
 1,3-Dichloropropane
 Concen: 2.11 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

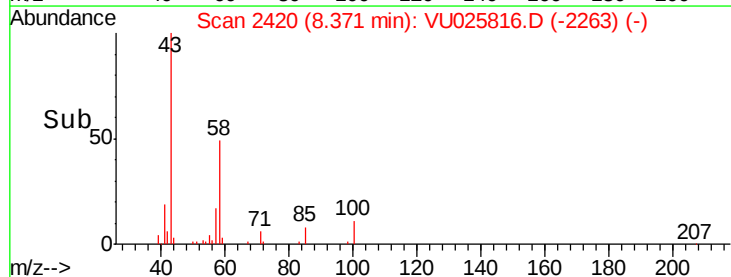
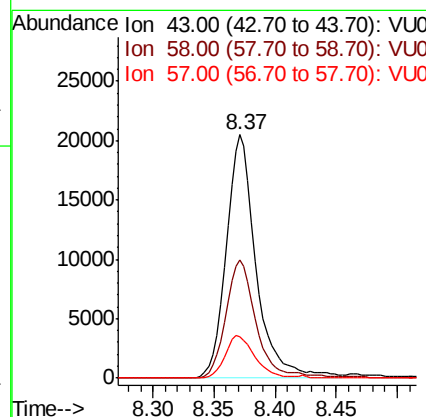
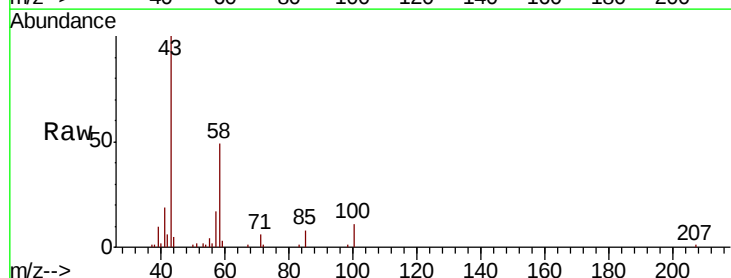
Manual Integrations
 APPROVED

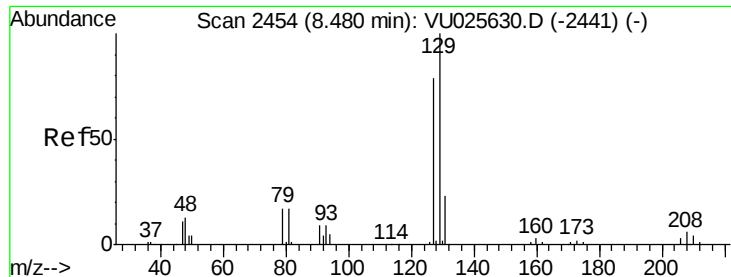
MMDadoda
 8/6/2018 5:38:53 PM



#54
 2-Hexanone
 Concen: 9.86 ug/l
 RT: 8.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.5	32.5	72.5
57	17.1	0.0	37.9





#55

Dibromochloromethane

Concen: 2.10 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:129 Resp: 16211

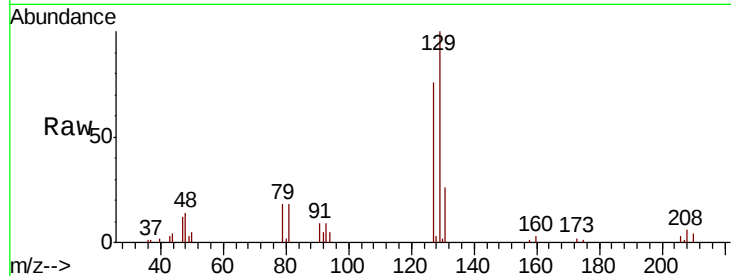
Ion Ratio Lower Upper

129 100

127 77.4 61.1 91.7

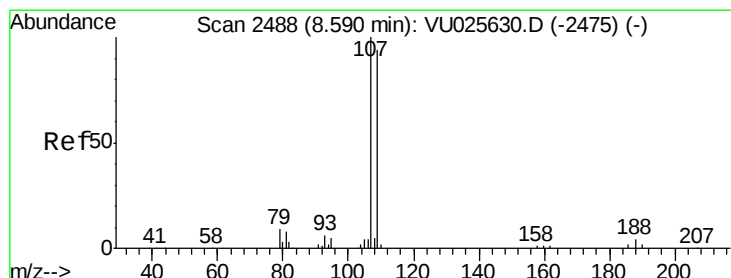
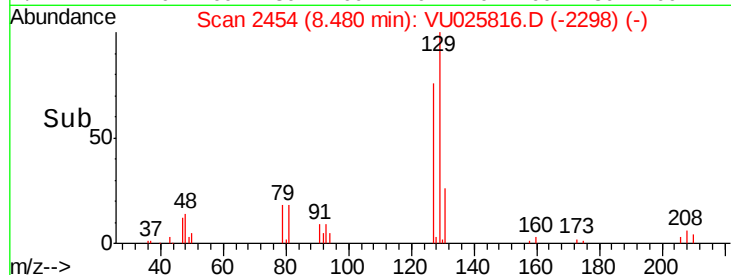
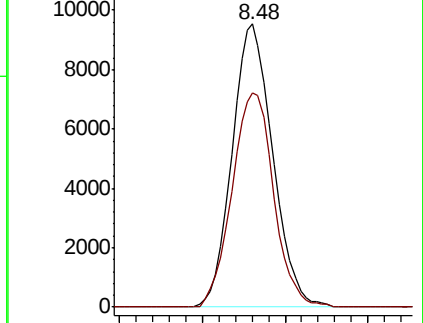
Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.20 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025816.D

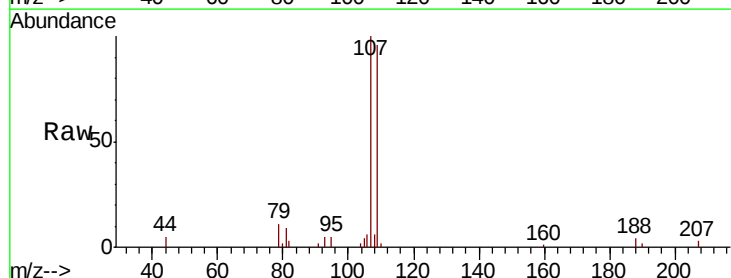
Acq: 03 Aug 2018 13:38

Tgt Ion:107 Resp: 12897

Ion Ratio Lower Upper

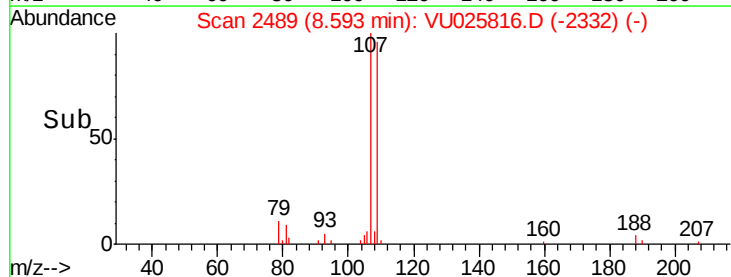
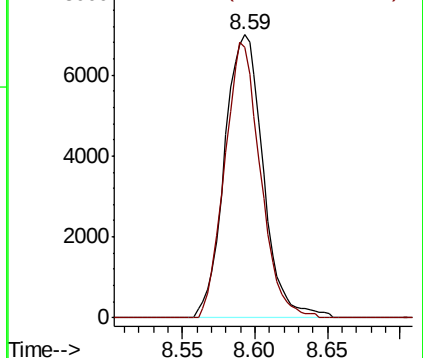
107 100

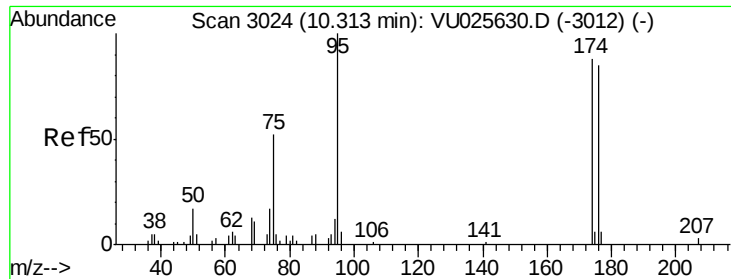
109 90.0 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 2.20 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

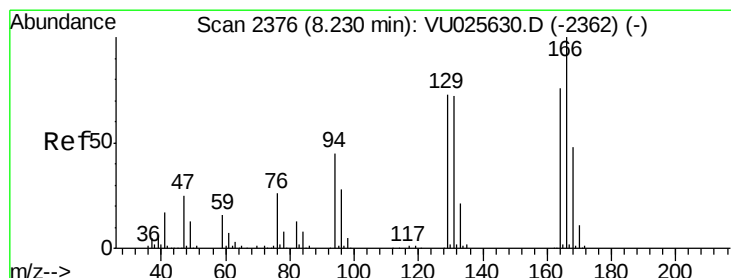
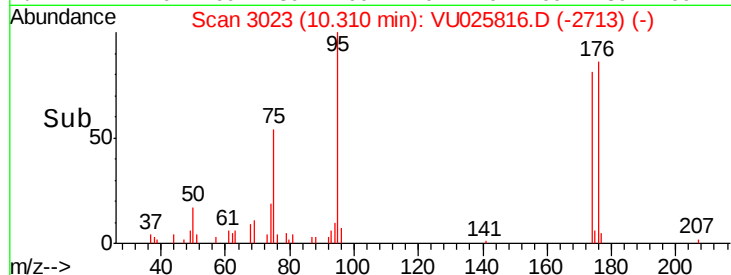
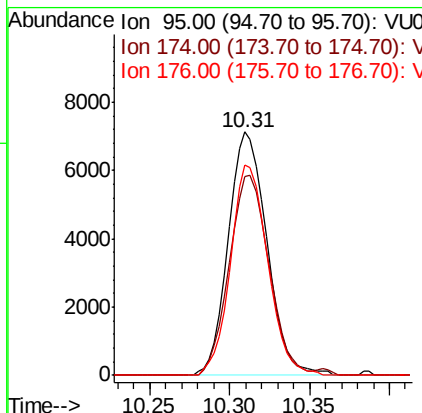
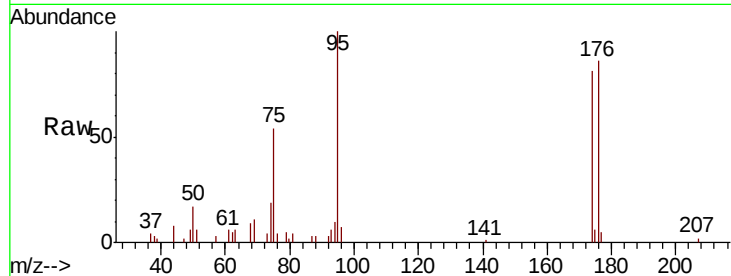
ClientSampleId :

VU0803WBSD01

Tot Ion:	95	Resp:	11719
Ion Ratio	Lower	Upper	
95	100		
174	84.5	65.6	98.4
176	83.2	62.0	93.0

Manual Integrations
APPROVED

MMDadoda
8/6/2018 5:38:53 PM



#58

Tetrachloroethene

Concen: 2.20 ug/l

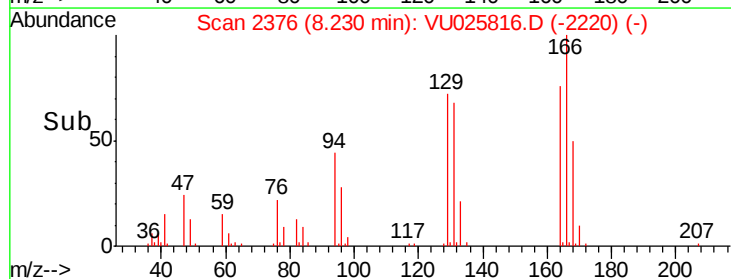
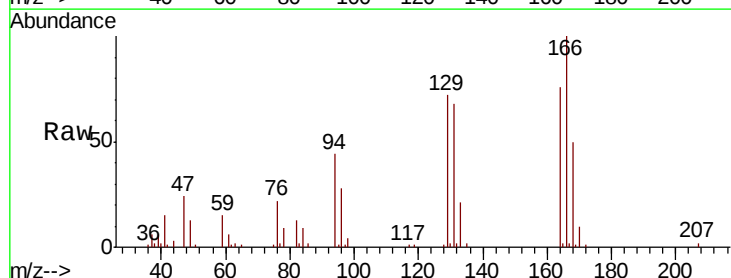
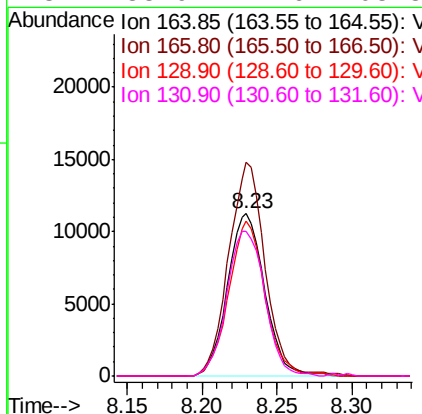
RT: 8.23 min Scan# 2376

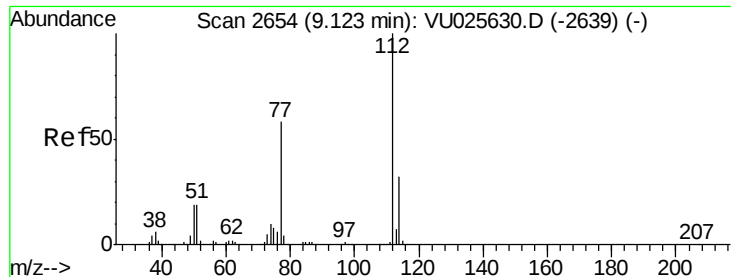
Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	164	Resp:	19492
Ion Ratio	Lower	Upper	
164	100		
166	131.7	104.1	156.1
129	95.1	76.8	115.2
131	88.9	72.6	108.8





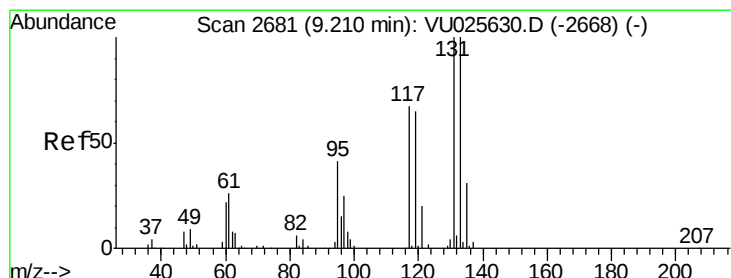
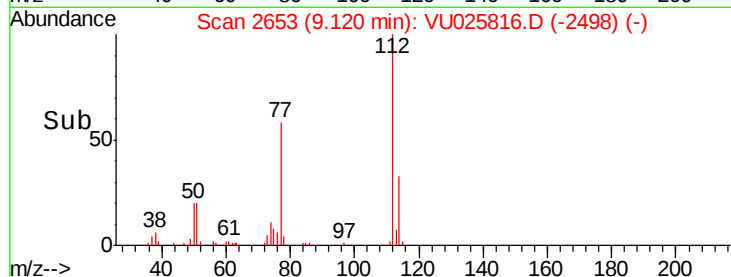
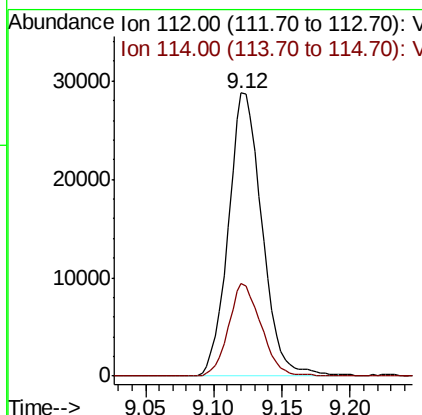
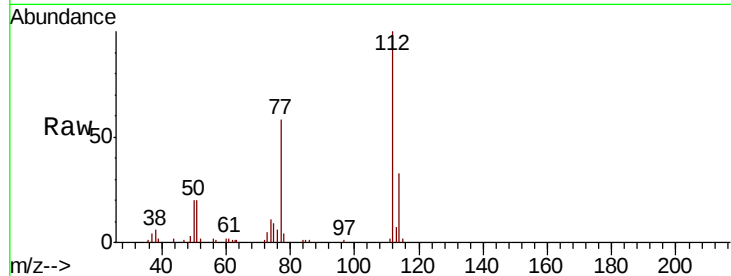
#59
Chlorobenzene
Concen: 2.11 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.2

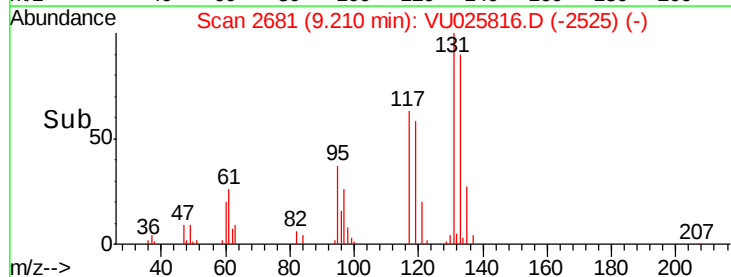
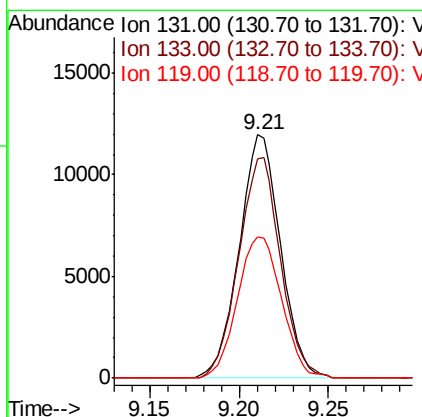
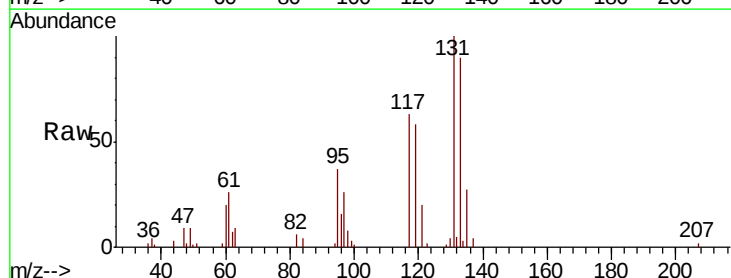
Manual Integrations
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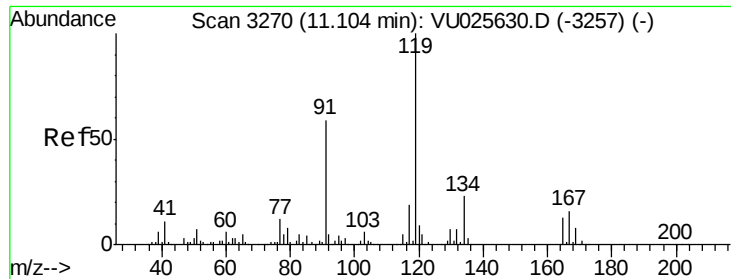
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.22 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.8	75.8	113.8
119	62.1	53.0	79.6





#61

Pentachloroethane

Concen: 2.15 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:117 Resp: 14278

Ion Ratio Lower Upper

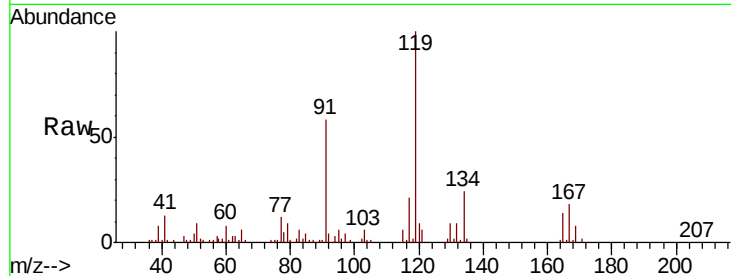
117 100

167 85.1 69.2 103.8

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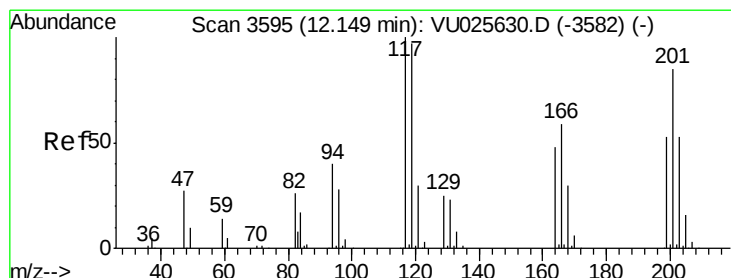
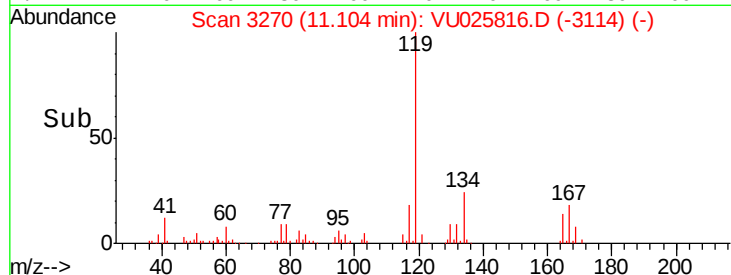
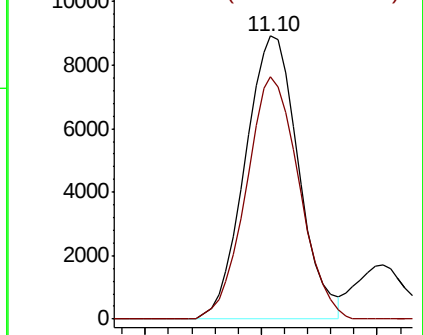
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.98 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025816.D

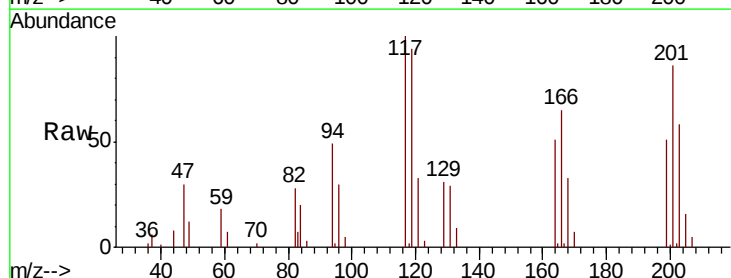
Acq: 03 Aug 2018 13:38

Tgt Ion:117 Resp: 13418

Ion Ratio Lower Upper

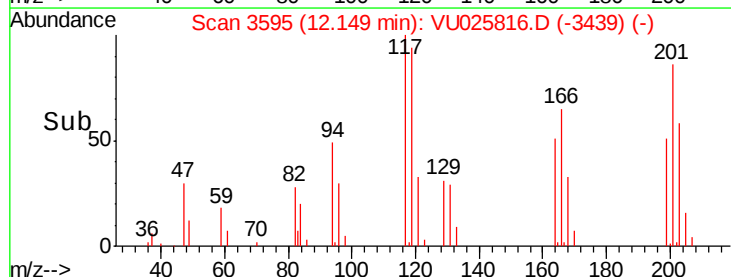
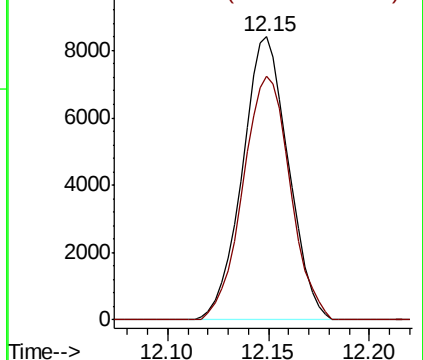
117 100

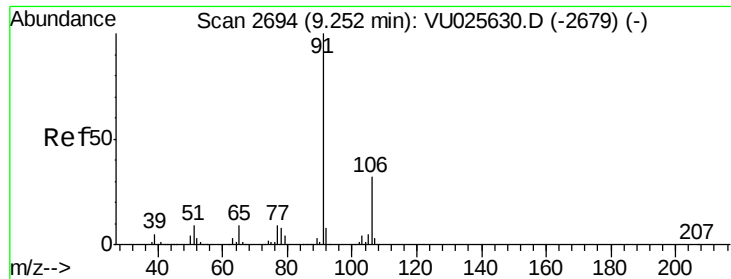
201 88.6 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 1.98 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 91 Resp: 77321

Ion Ratio Lower Upper

91 100

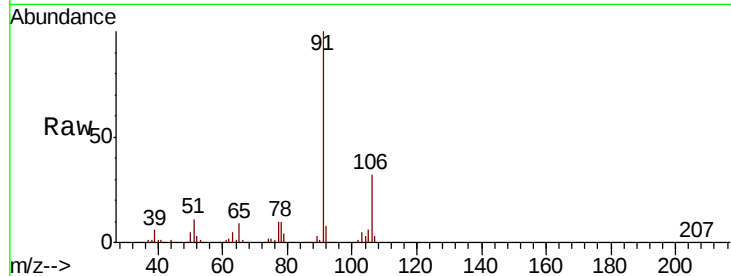
106 32.4 24.7 37.1

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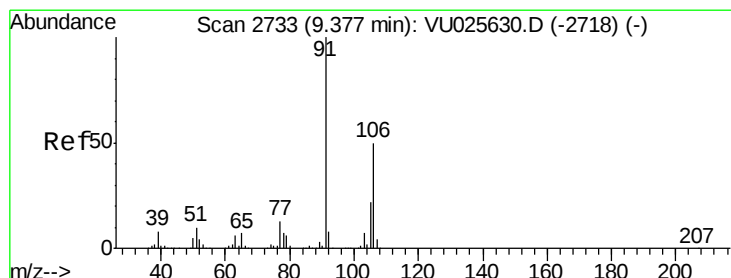
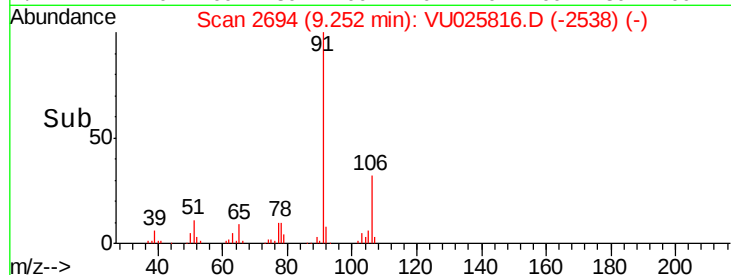
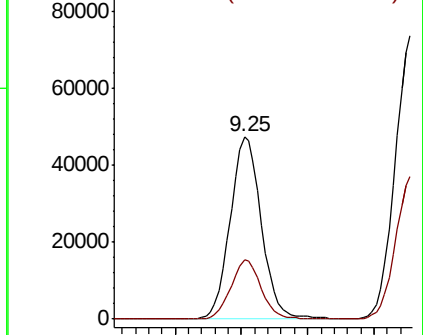
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#64

m/p-Xylenes

Concen: 3.99 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025816.D

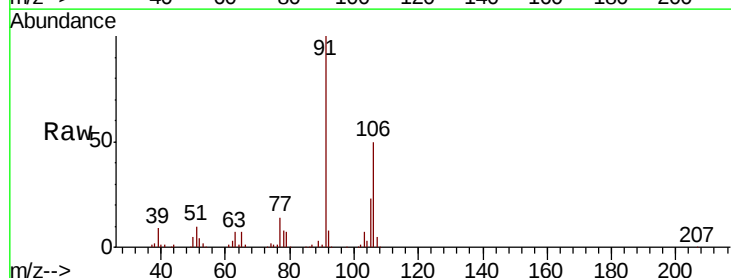
Acq: 03 Aug 2018 13:38

Tgt Ion: 106 Resp: 61241

Ion Ratio Lower Upper

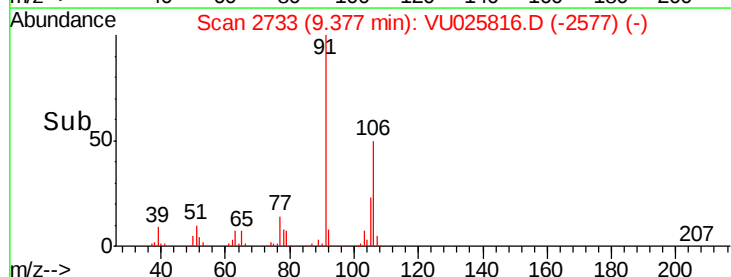
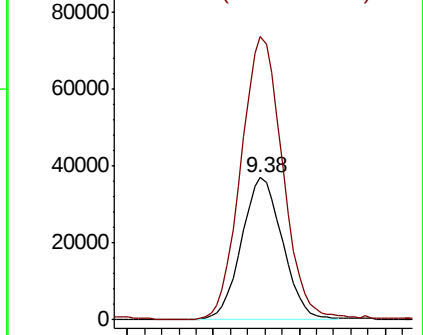
106 100

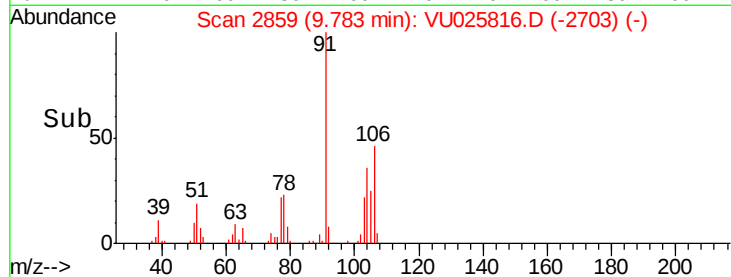
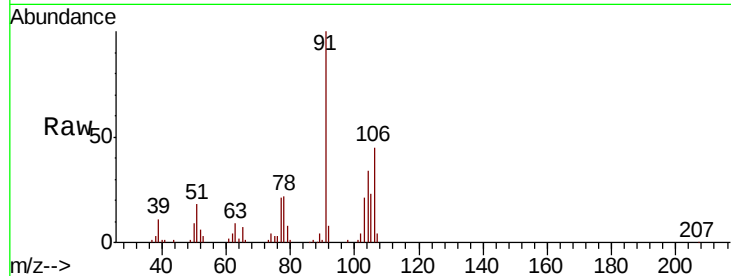
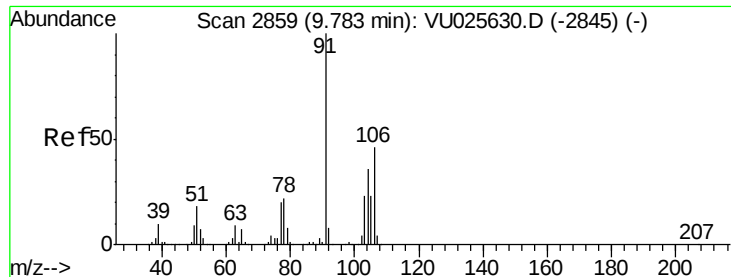
91 200.8 164.1 246.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#65

o-Xylene

Concen: 1.97 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tot Ion:106 Resp: 28811

Ion Ratio Lower Upper

106 100

91 223.9 107.9 323.7

Instrument :

MSVOA_U

ClientSampleId :

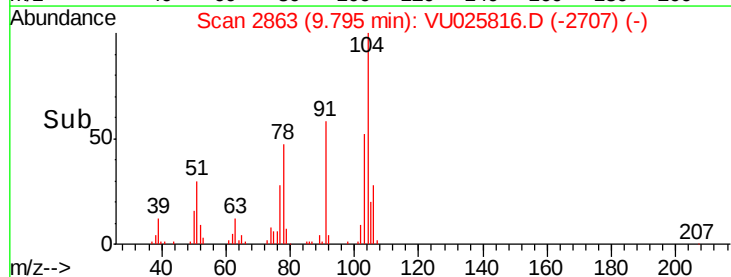
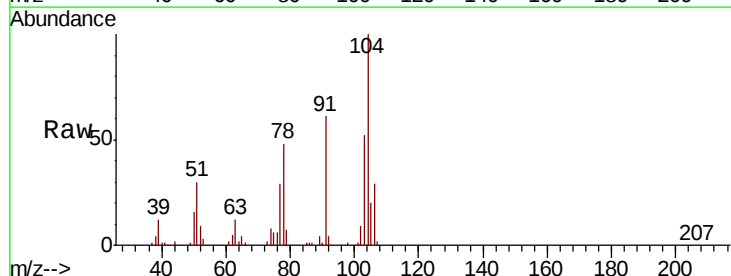
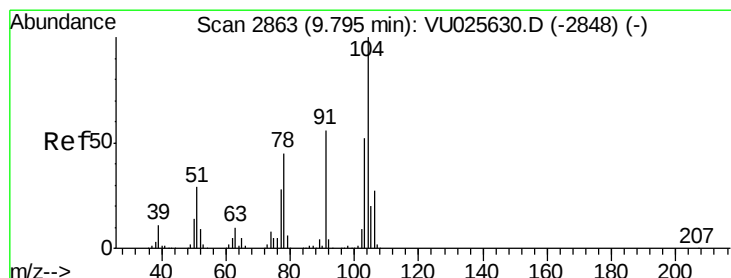
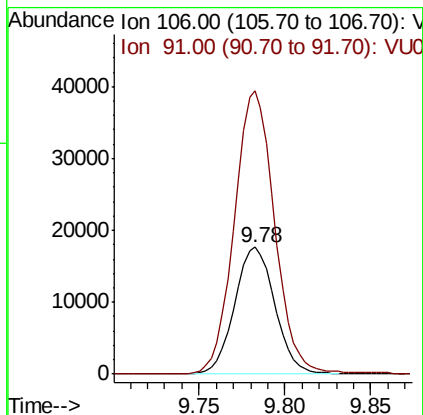
VU0803WBSD01

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#66

Styrene

Concen: 1.98 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

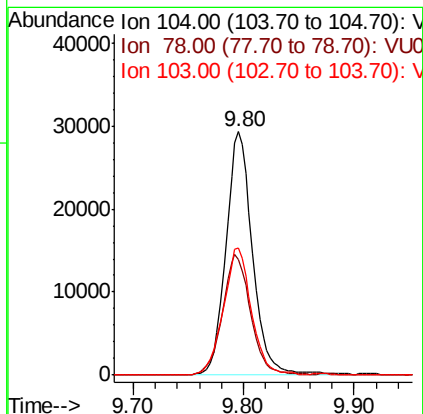
Tgt Ion:104 Resp: 49075

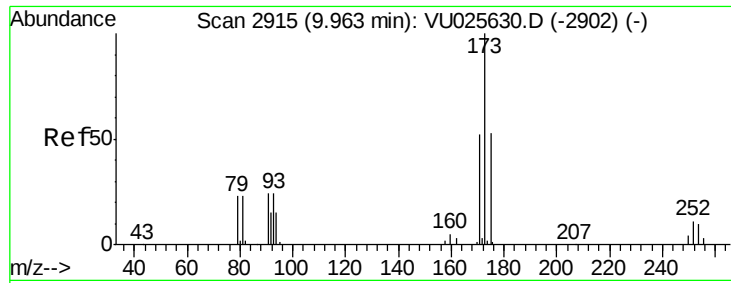
Ion Ratio Lower Upper

104 100

78 52.1 40.2 60.2

103 54.7 44.2 66.4





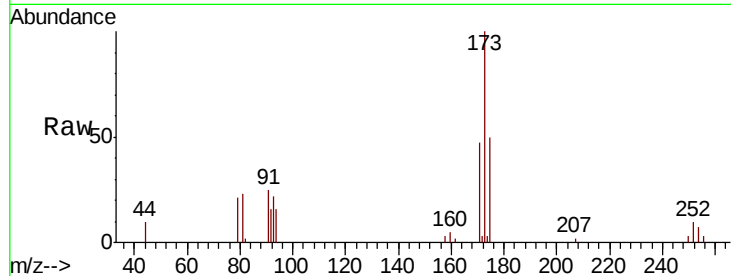
#67
Bromoform
Concen: 2.02 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

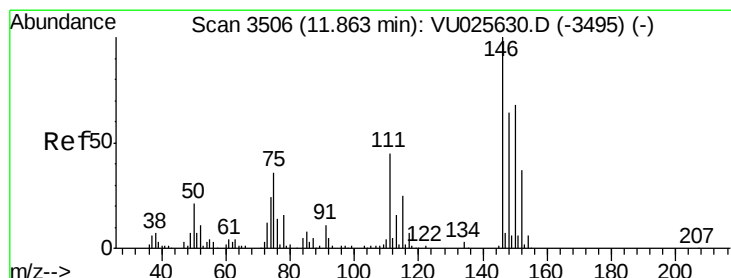
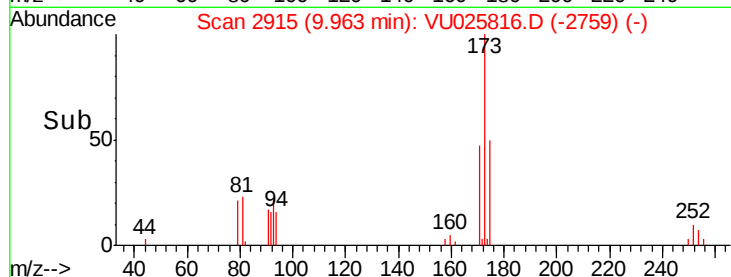
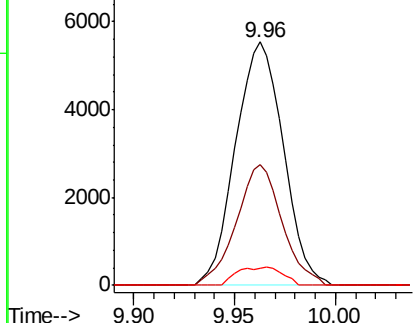
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.6	57.8
254	7.1	8.8	13.2#

Manual Integrations
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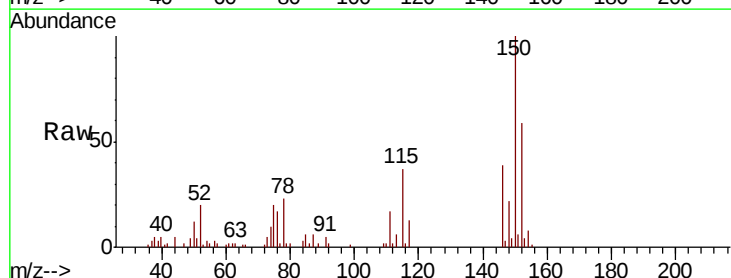


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

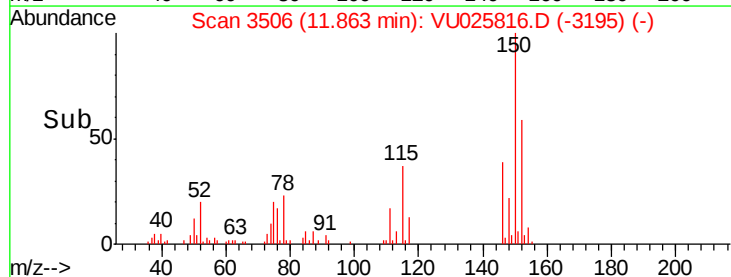
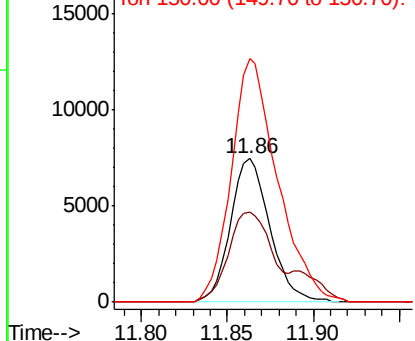


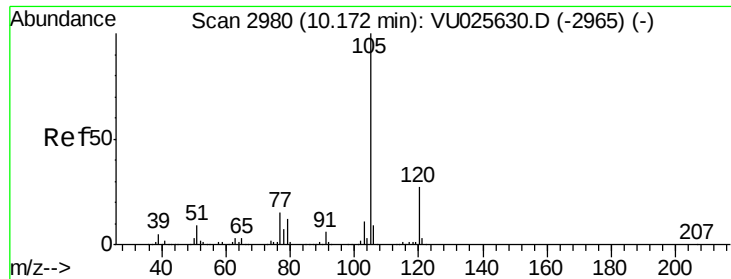
#68
1,2-Dichlorobenzene-d4
Concen: 2.02 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	68.8	0.0	118.8
150	197.8	0.0	0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.96 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:105 Resp: 77567

Ion Ratio Lower Upper

105 100

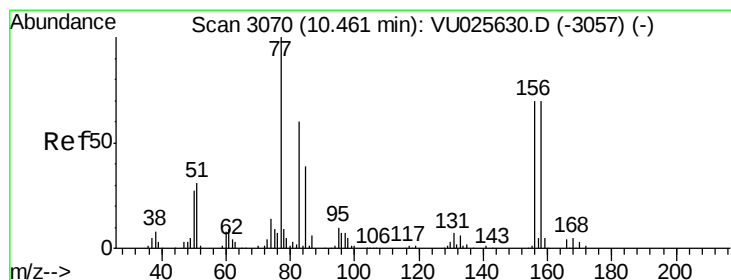
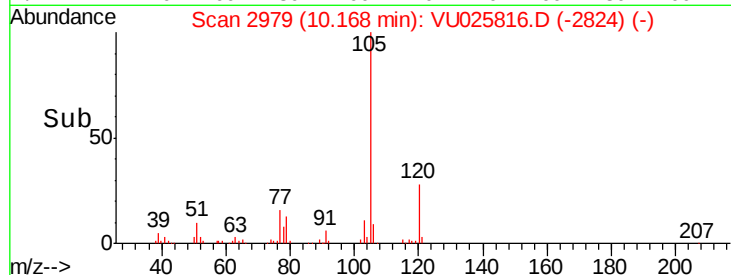
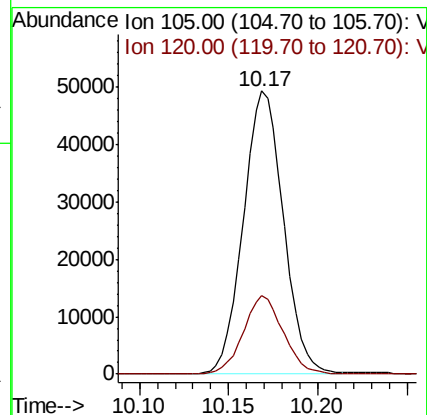
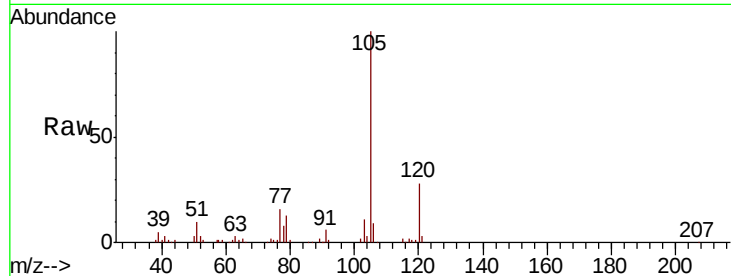
120 27.4 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.06 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

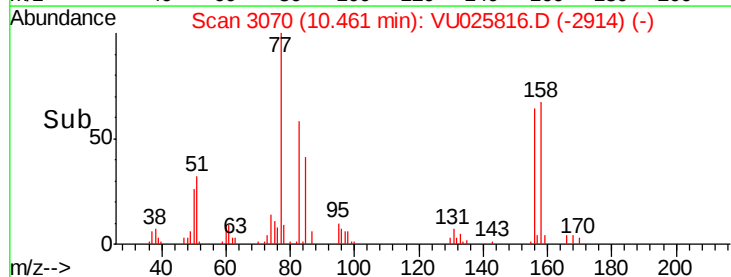
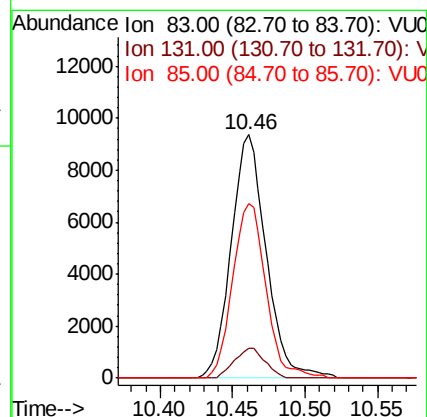
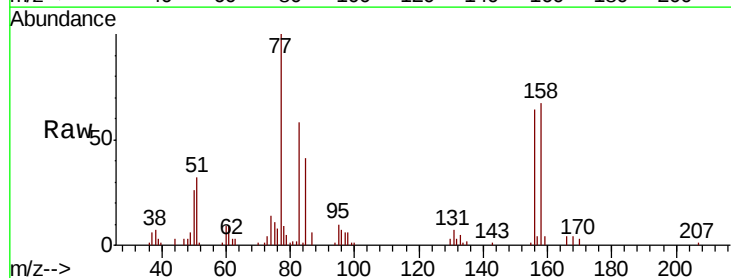
Tgt Ion: 83 Resp: 15691

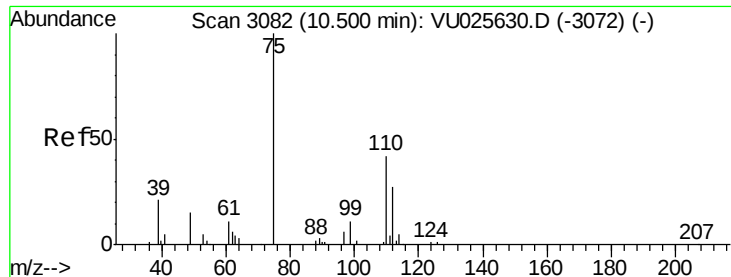
Ion Ratio Lower Upper

83 100

131 10.8 7.9 11.9

85 68.3 51.8 77.6





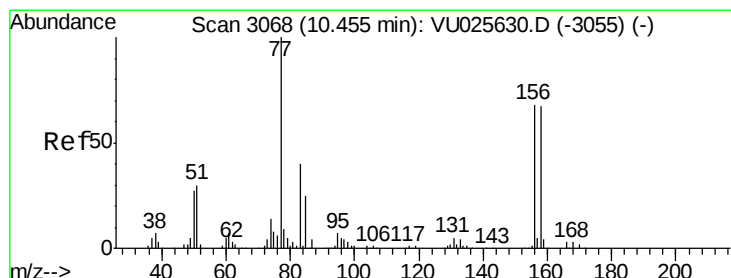
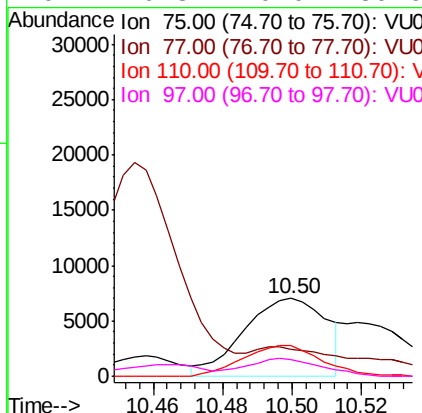
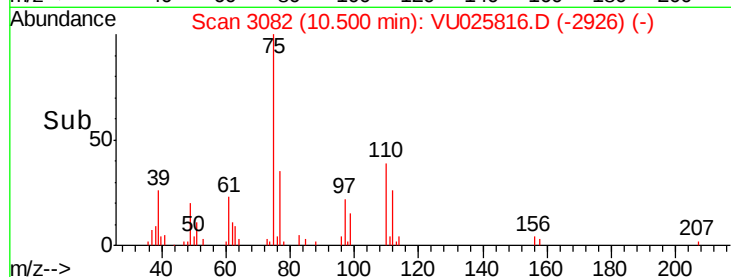
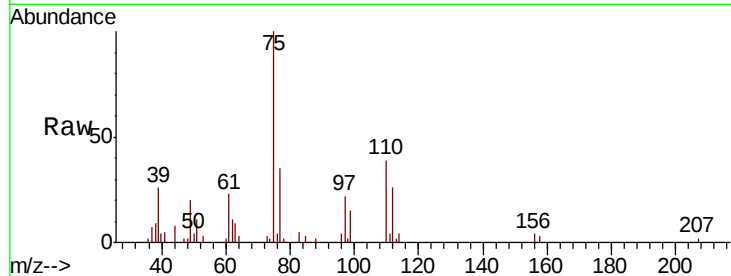
#71
 1,2,3-Trichloropropane
 Concen: 1.96 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	52.6	0.0	0.0	#
110	37.7	0.0	74.0	
97	20.8	0.0	39.6	

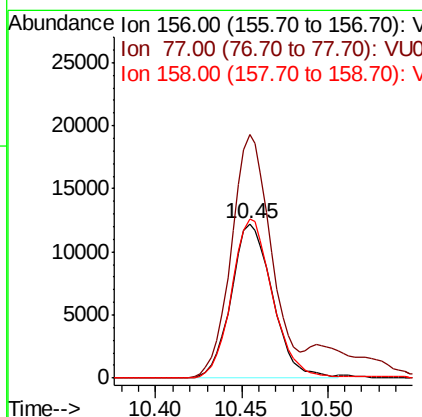
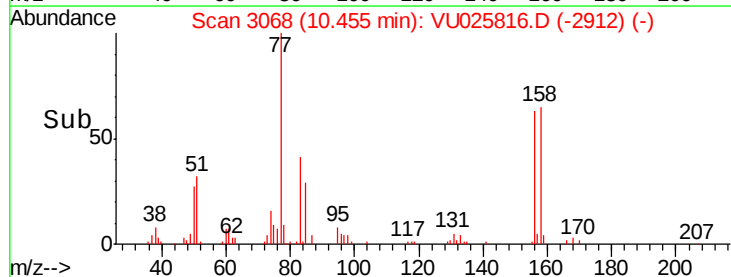
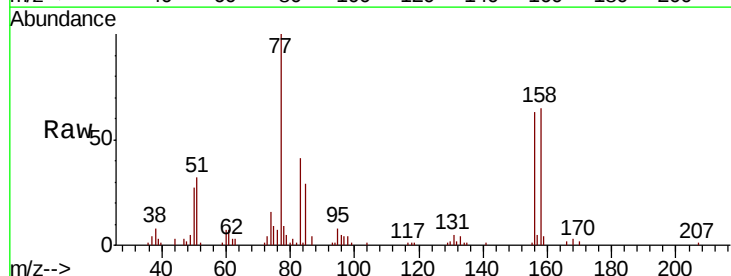
Manual Integrations
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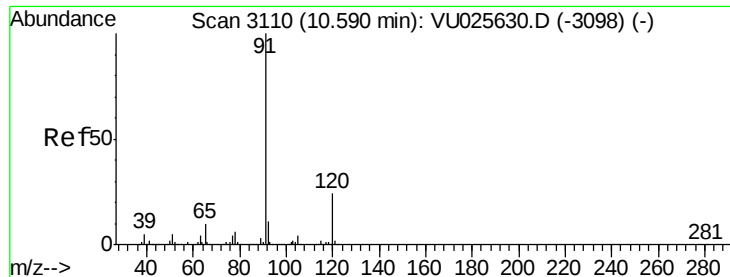
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#72
 Bromobenzene
 Concen: 2.00 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.8	0.0	309.8	
158	101.8	0.0	193.0	





#73

n-propylbenzene

Concen: 1.97 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:120 Resp: 21938

Ion Ratio Lower Upper

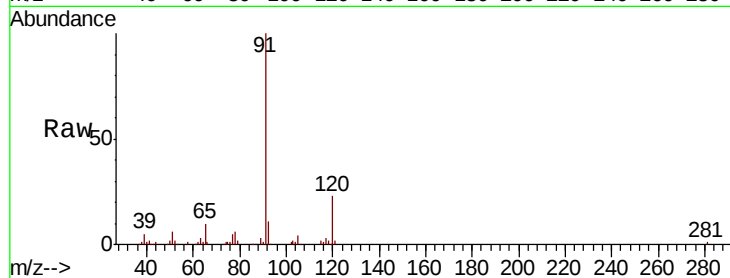
120 100

91 428.0 352.2 528.4

Manual Integrations
APPROVED

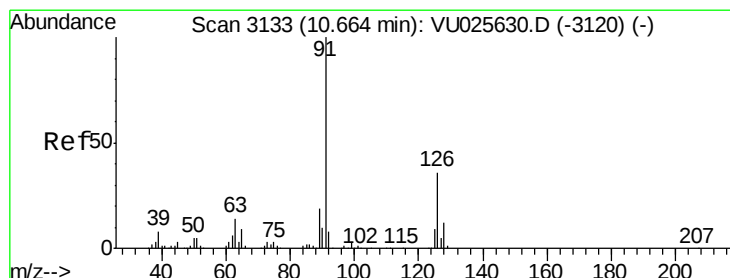
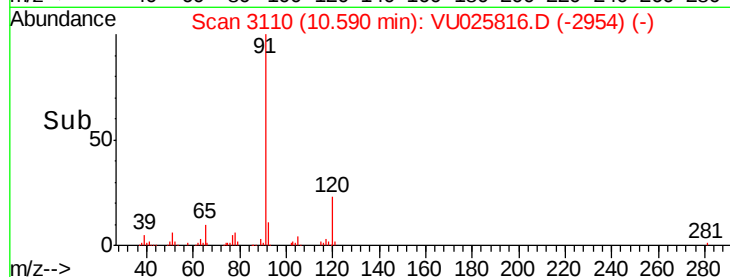
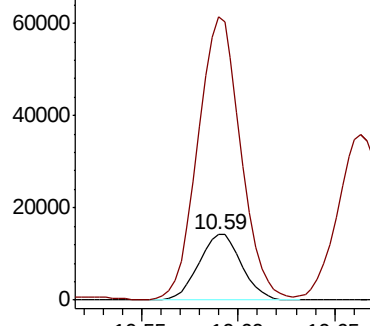
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.03 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025816.D

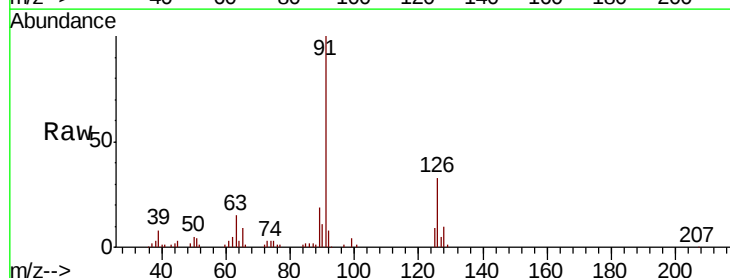
Acq: 03 Aug 2018 13:38

Tgt Ion:126 Resp: 19858

Ion Ratio Lower Upper

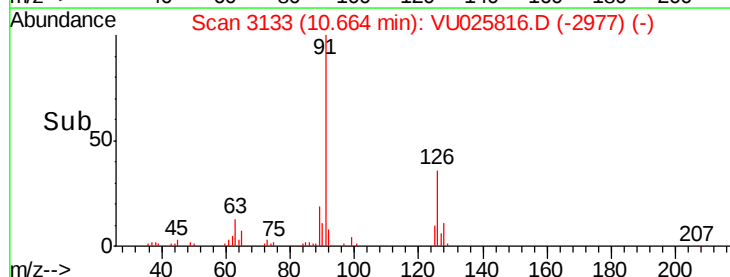
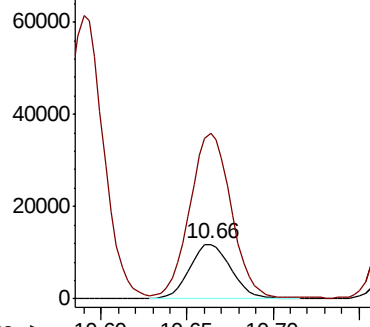
126 100

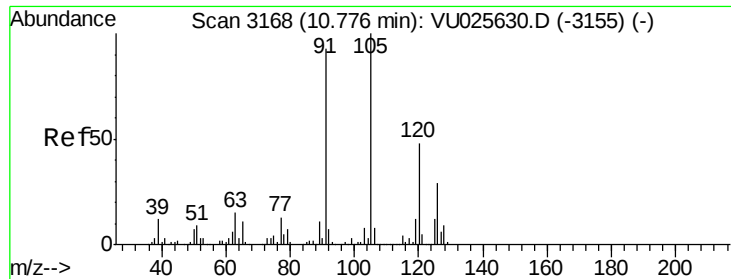
91 300.6 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 2.06 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampled :

VU0803WBSD01

Tot Ion:105 Resp: 70980

Ion Ratio Lower Upper

105 100

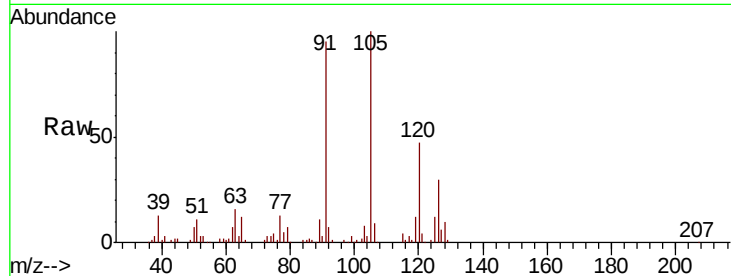
120 47.5 39.0 58.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.78

50000

40000

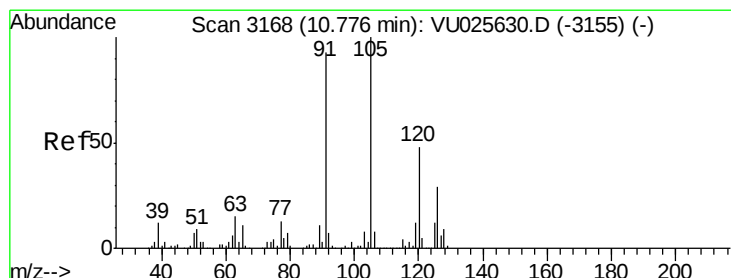
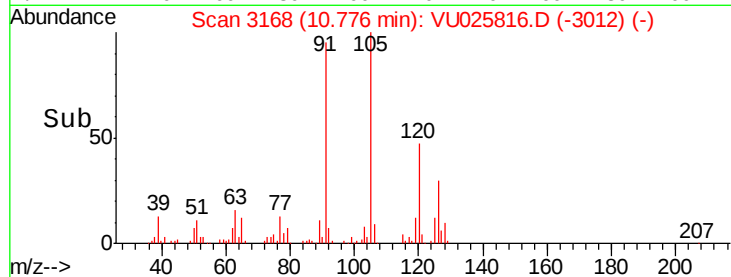
30000

20000

10000

0

Time-->



#76

4-Chlorotoluene

Concen: 2.06 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025816.D

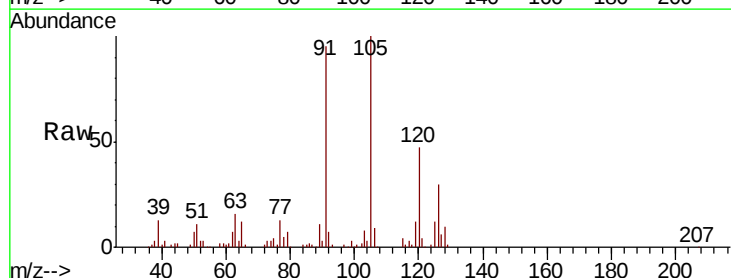
Acq: 03 Aug 2018 13:38

Tgt Ion:126 Resp: 21251

Ion Ratio Lower Upper

126 100

91 313.8 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

50000

40000

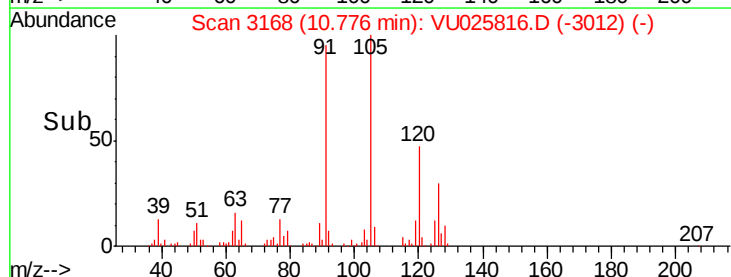
30000

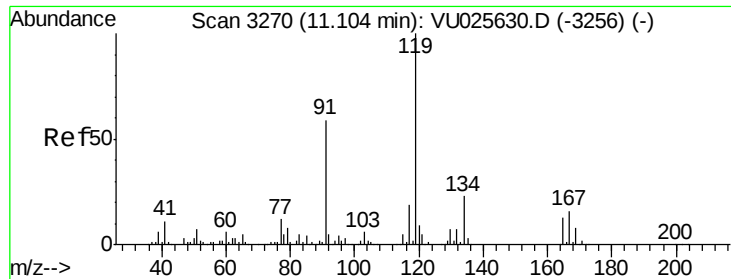
20000

10000

0

Time-->





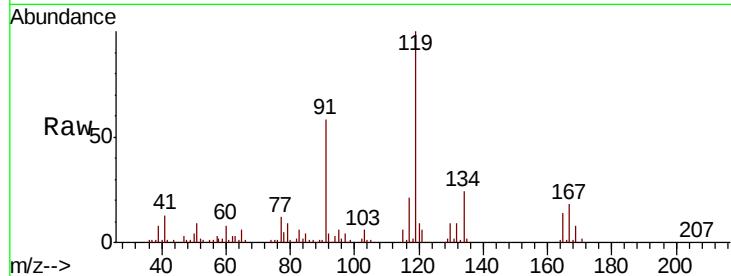
#77
 tert-Butylbenzene
 Concen: 1.99 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	67664		
91	59.4	29.6	88.8	
134	24.5	19.1	28.7	

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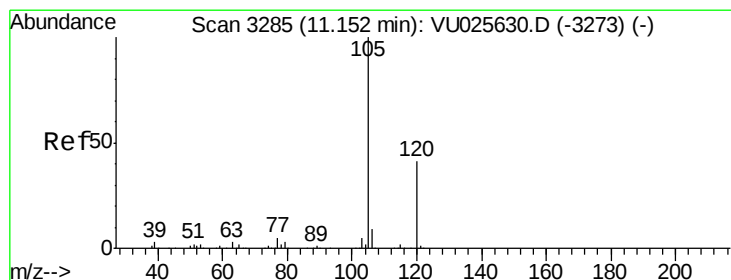
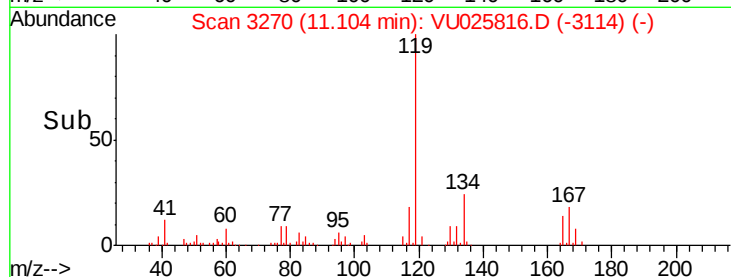
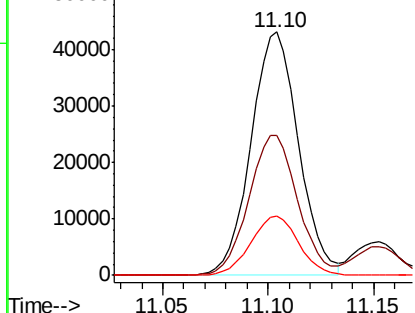


Abundance

Ion 119.00 (118.70 to 119.70): V

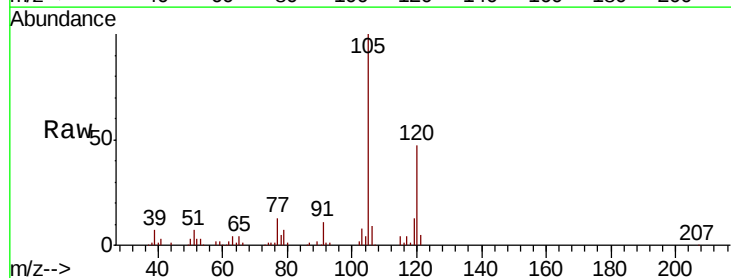
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
 1,2,4-Trimethylbenzene
 Concen: 2.02 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

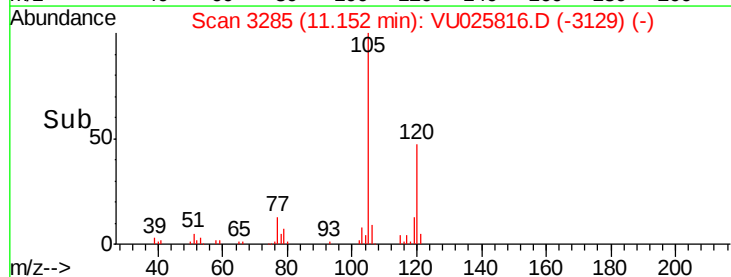
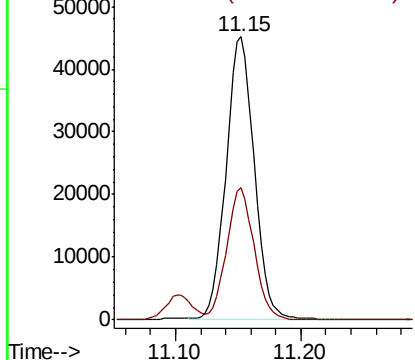
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	70980		
120	45.5	23.1	69.3	

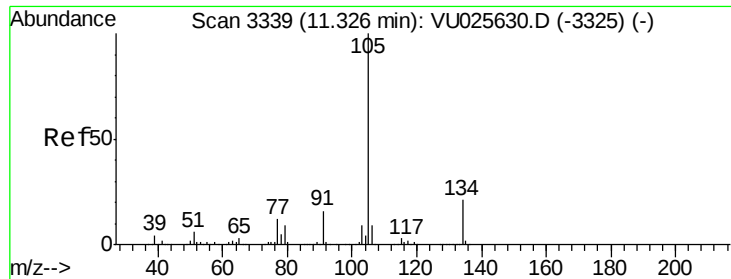


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 2.00 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion: 105 Resp: 89469

Ion Ratio Lower Upper

105 100

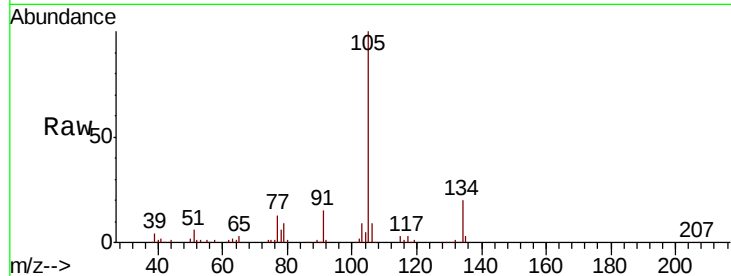
134 20.3 15.6 23.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

60000

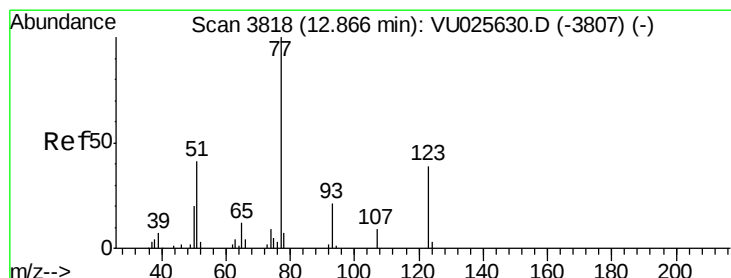
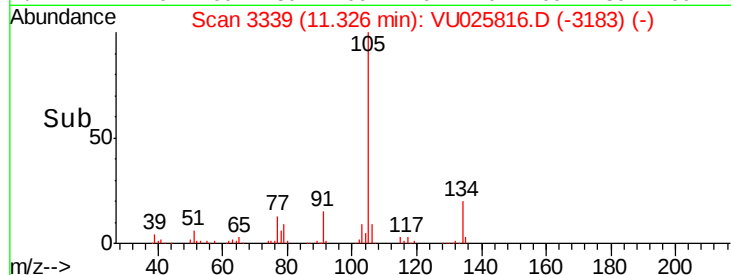
40000

20000

0

Time-->

11.30 11.40



#80

Nitrobenzene

Concen: 7.58 ug/l

RT: 12.88 min Scan# 3822

Delta R.T. 0.01 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

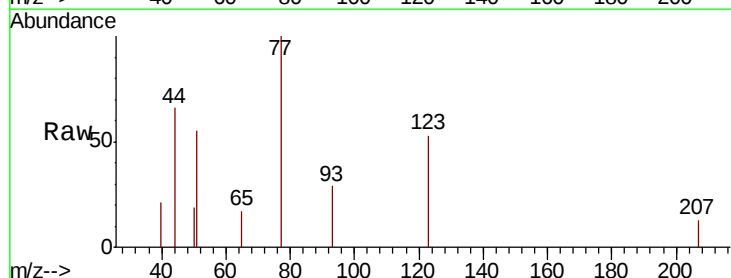
Tgt Ion: 77 Resp: 1758

Ion Ratio Lower Upper

77 100

123 46.1 19.4 68.6

65 9.0 11.2 14.2#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.88

1200

1000

800

600

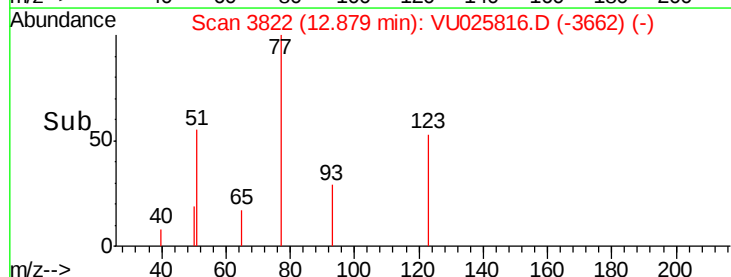
400

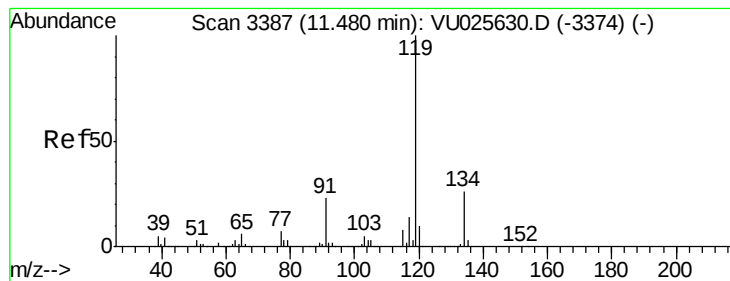
200

0

Time-->

12.85 12.90





#81

p-Isopropyltoluene

Concen: 1.97 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

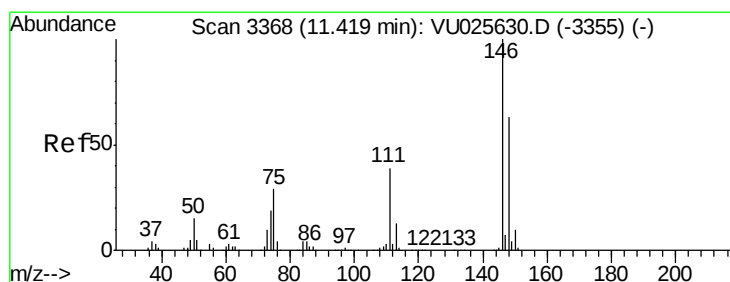
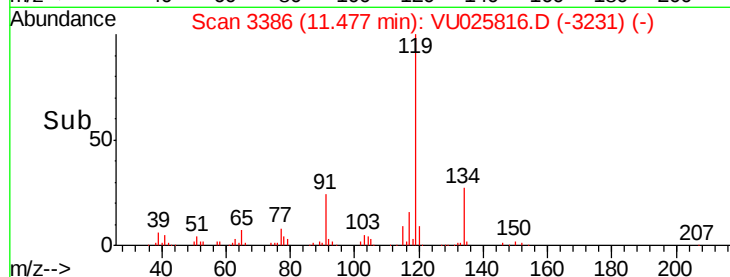
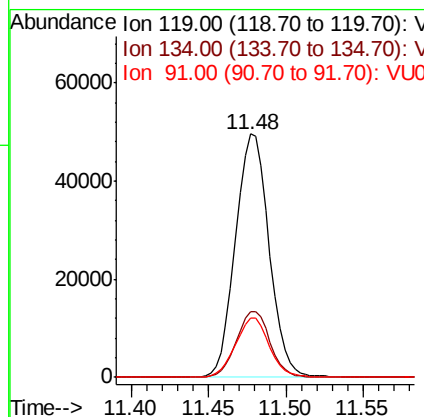
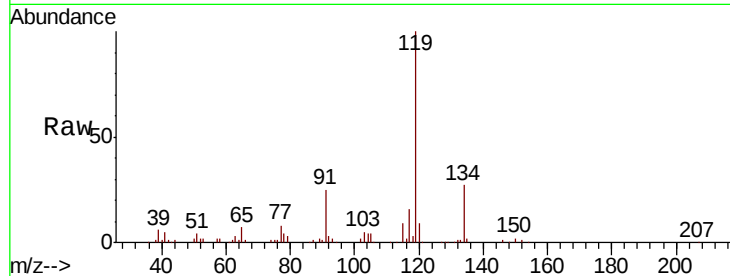
ClientSampleId :

VU0803WBSD01

Tot Ion:	119	Resp:	74875
Ion Ratio	Lower	Upper	
119	100		
134	26.9	20.9	31.3
91	24.6	18.2	27.2

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#82

1,3-Dichlorobenzene

Concen: 2.09 ug/l

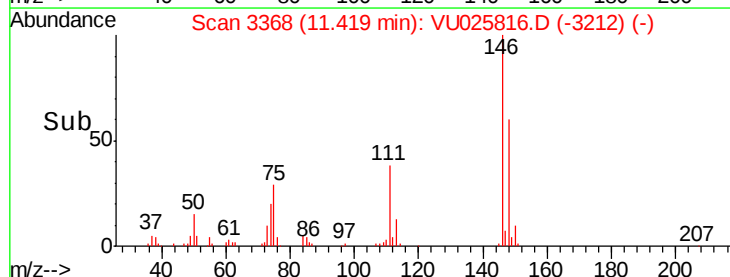
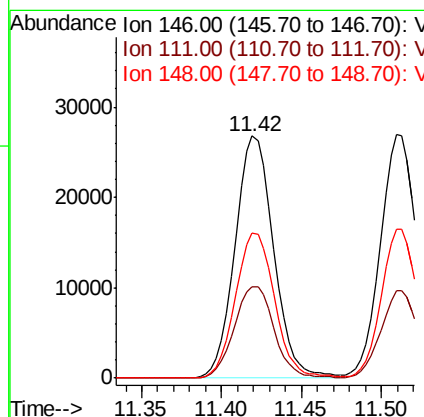
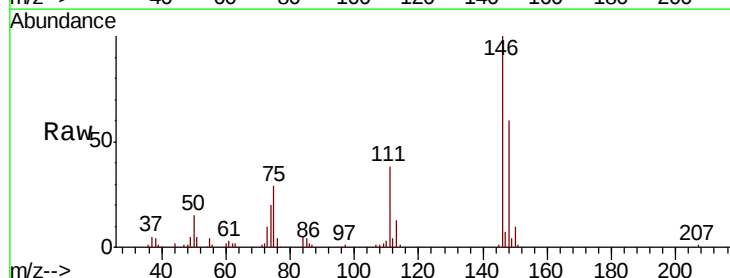
RT: 11.42 min Scan# 3368

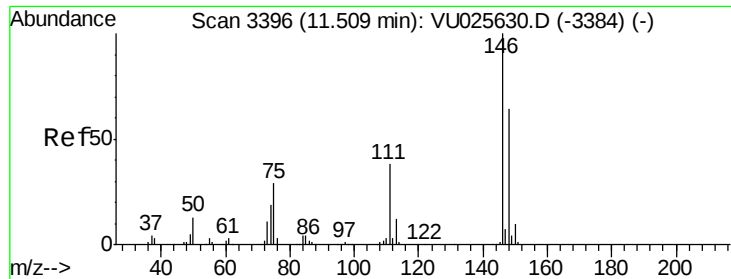
Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Tgt Ion:	146	Resp:	44012
Ion Ratio	Lower	Upper	
146	100		
111	39.2	31.8	47.6
148	60.8	51.0	76.4





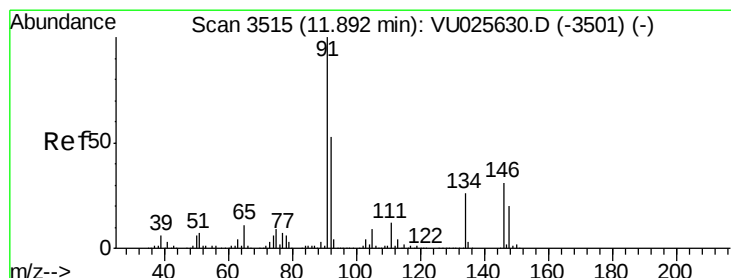
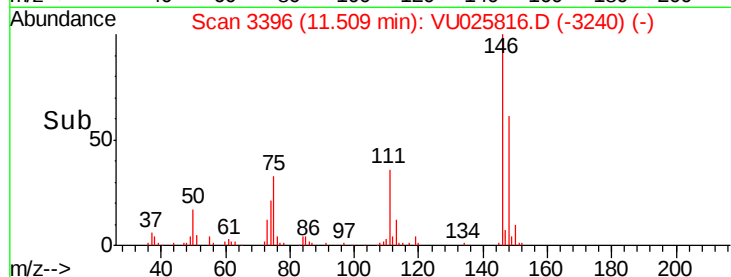
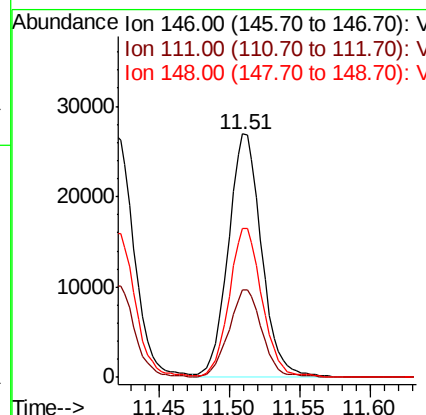
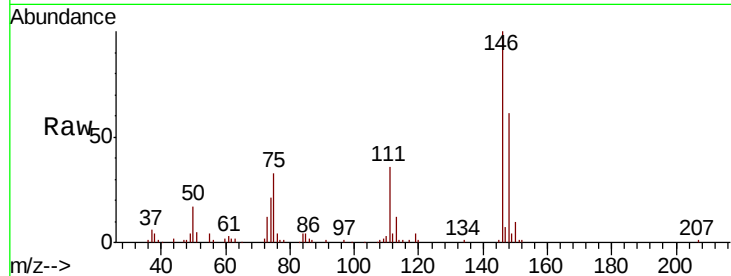
#83
 1,4-Dichlorobenzene
 Concen: 2.17 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampled :
 VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	30.1	45.1
148	60.5	50.6	76.0

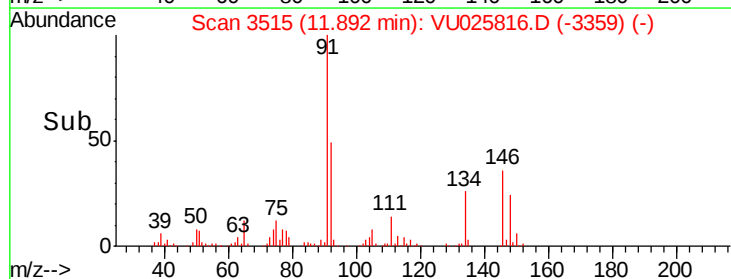
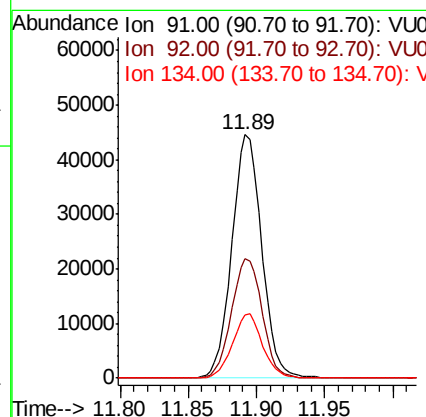
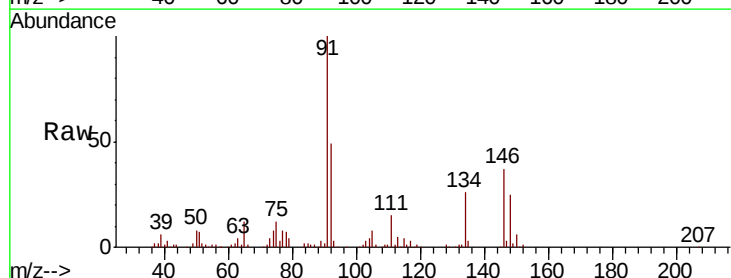
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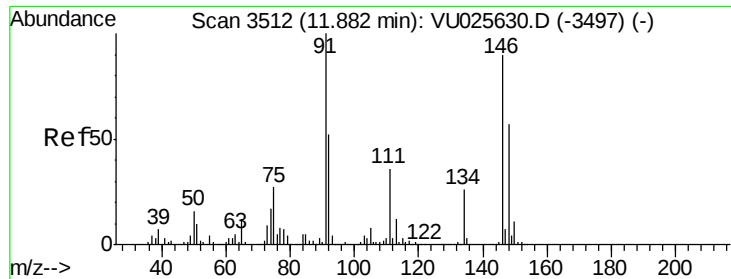
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#84
 n-Butylbenzene
 Concen: 1.91 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.1	42.2	63.2
134	26.2	20.3	30.5





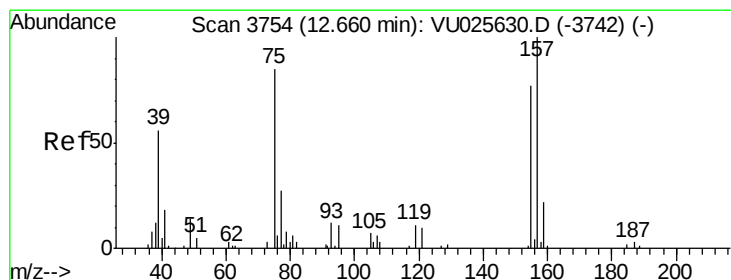
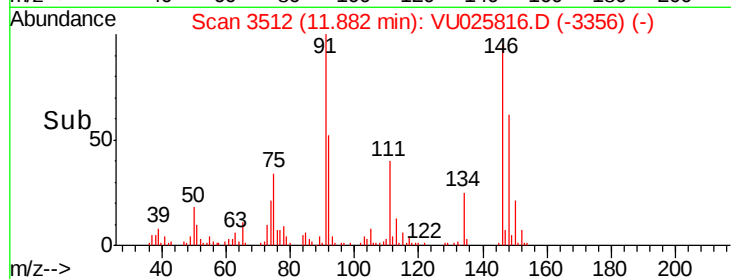
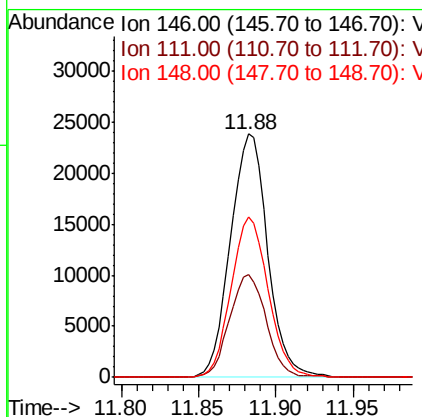
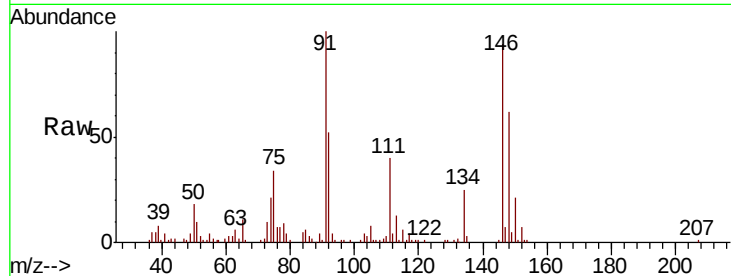
#85
 1,2-Dichlorobenzene
 Concen: 2.07 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	65.5	31.9	95.5

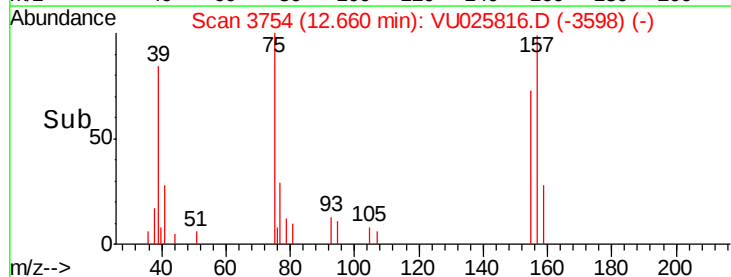
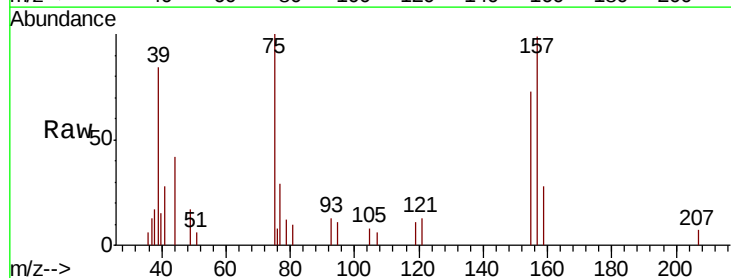
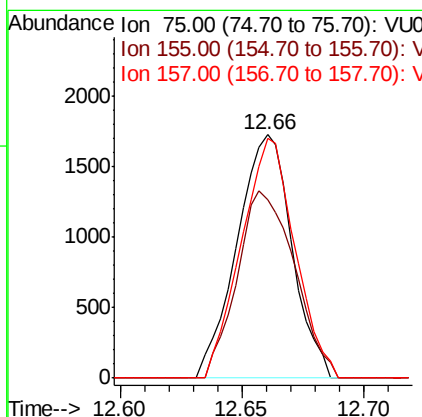
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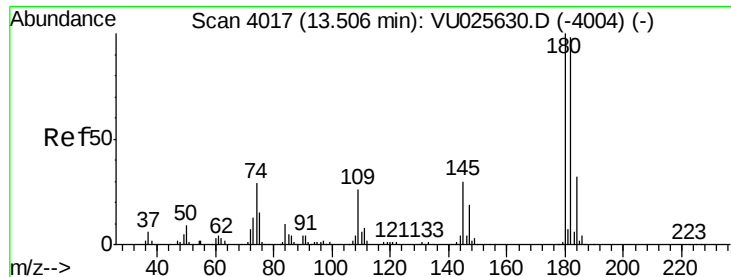
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.14 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025816.D
 Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.7	65.8	98.6
157	96.4	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 1.86 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

Instrument :

MSVOA_U

ClientSampleId :

VU0803WBSD01

Tot Ion:180 Resp: 24926

Ion Ratio Lower Upper

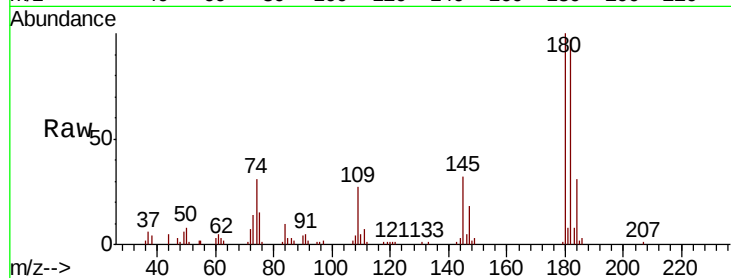
180 100

182 97.4 77.1 115.7

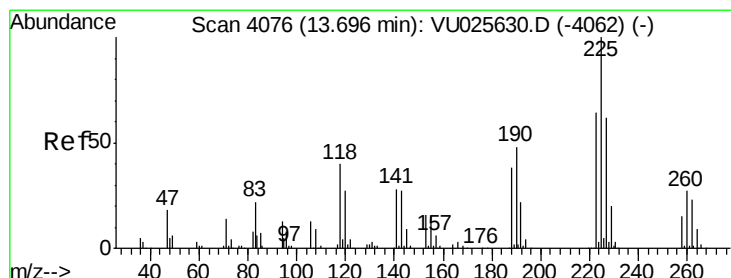
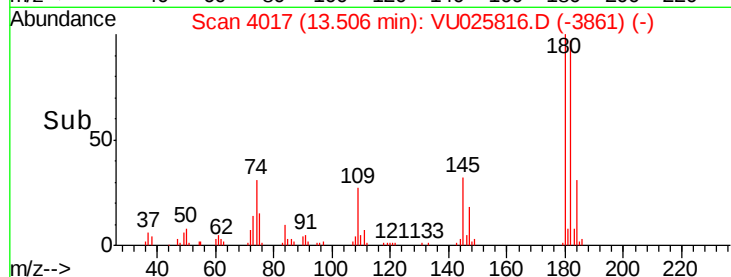
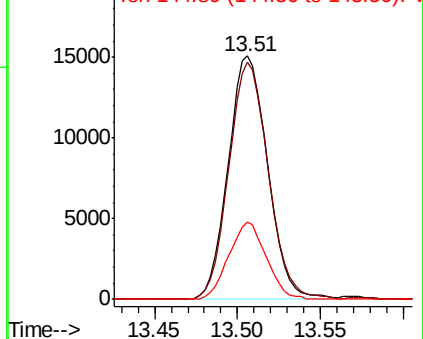
145 30.0 23.3 34.9

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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.91 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025816.D

Acq: 03 Aug 2018 13:38

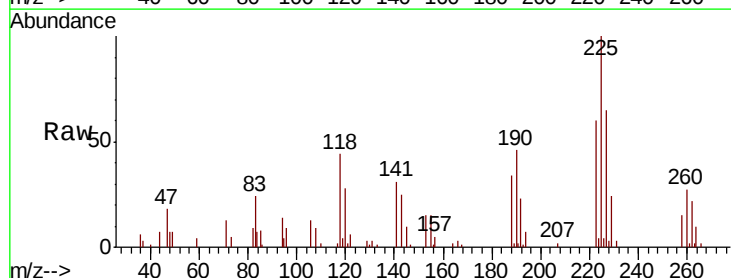
Tgt Ion:225 Resp: 15714

Ion Ratio Lower Upper

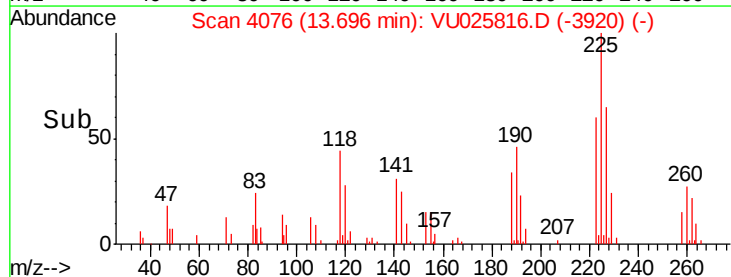
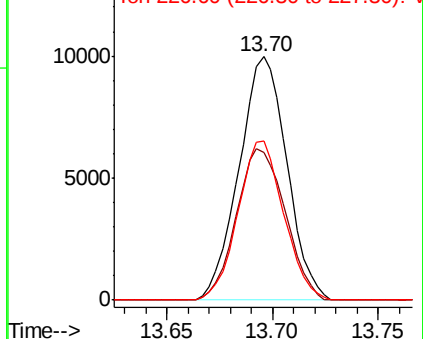
225 100

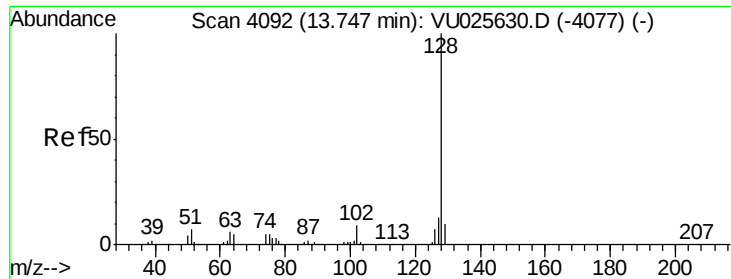
223 63.4 50.6 75.8

227 62.4 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





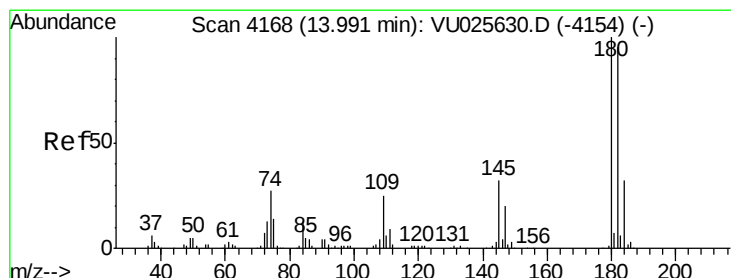
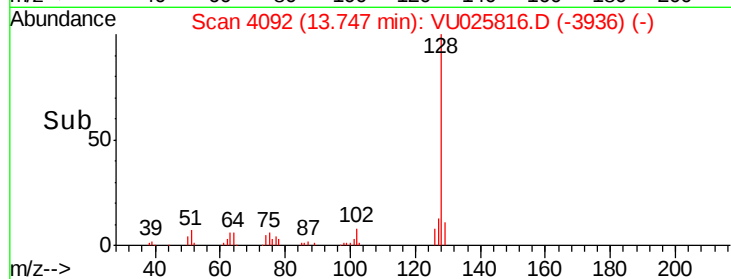
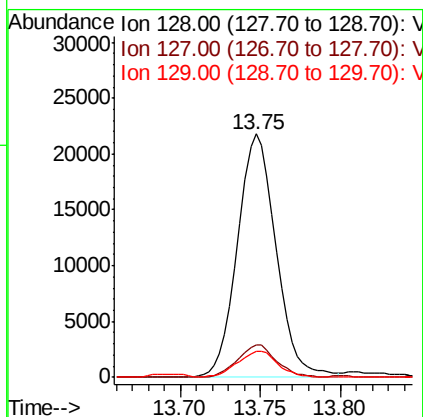
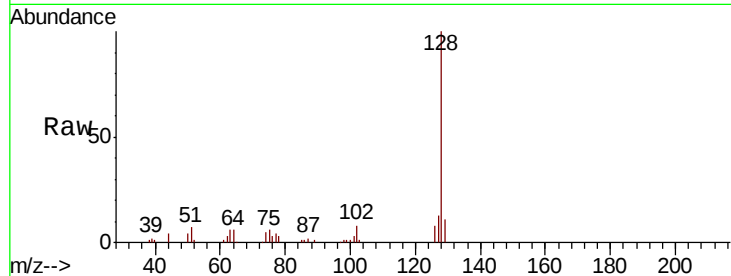
#89
Naphthalene
Concen: 1.65 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Instrument :
MSVOA_U
ClientSampleId :
VU0803WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 1.91 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025816.D
Acq: 03 Aug 2018 13:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	76.8	115.2
145	30.6	24.6	36.8

