

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029673.D
 Acq On : 26 Feb 2019 11:14
 Operator : JC/SP
 Sample : VU0226WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0226WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:31:45 AM

Quant Time: Feb 27 00:41:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	60350	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22911	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24749	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	41728	1.853	ug/l	98
3) Chloromethane	1.33	50	34588	1.681	ug/l	99
4) Vinyl Chloride	1.40	62	42988	1.782	ug/l	95
5) Bromomethane	1.63	94	27254	2.031	ug/l	97
6) Chloroethane	1.70	64	25813	1.831	ug/l	100
7) Trichlorofluoromethane	1.88	101	59442	1.764	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	35442	1.992	ug/l	89
9) 1,1-Dichloroethene	2.28	96	34083	1.958	ug/l	69
10) Iodomethane	2.41	142	18452	0.987	ug/l #	73
11) Allyl Chloride	2.59	41	47187	1.616	ug/l	82
12) Acrylonitrile	2.93	53	15047	3.856	ug/l	96
13) Acetone	2.32	43	33405	8.883	ug/l #	75
14) Carbon Disulfide	2.47	76	109955	1.789	ug/l	98
15) Methylene Chloride	2.70	84	41679	1.974	ug/l #	73
16) trans-1,2-Dichloroethene	2.98	96	38412	1.973	ug/l #	73
17) 1,1-Dichloroethane	3.44	63	66026	2.140	ug/l	96
18) 2-Butanone	4.28	43	41300	9.826	ug/l	95
19) Cyclohexane	4.99	56	42166	1.474	ug/l	86
20) Methylcyclohexane	6.41	83	56669	1.886	ug/l #	86
21) 2,2-Dichloropropane	4.22	77	50750	1.777	ug/l #	88
22) cis-1,2-Dichloroethene	4.22	96	38674	2.109	ug/l	76
23) Diethyl Ether	2.10	59	25642	1.834	ug/l	87
24) tert-Butyl Alcohol	2.83	59	26559	18.280	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	89326	1.822	ug/l #	80
26) Bromochloromethane	4.54	128	17380	2.145	ug/l	71
27) Chloroform	4.67	83	61990	2.066	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	54319	1.953	ug/l	94
29) 1,1-Dichloropropene	5.13	75	46699	1.934	ug/l	91
30) Carbon Tetrachloride	5.13	117	46887	1.862	ug/l	97
31) Isopropyl Ether	3.58	45	87794	1.886	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	88961	1.907	ug/l	92
33) Tert-Amyl methyl ether	5.58	73	81907	1.942	ug/l	100
34) Propionitrile	4.34	54	11090	10.038	ug/l #	92
35) Benzene	5.39	78	139741	2.093	ug/l	98
36) 1,2-Dichloroethane	5.40	62	38292	1.896	ug/l #	86
37) Trichloroethene	6.18	130	40058	2.091	ug/l	88
38) 1,2-Dichloropropane	6.43	63	35041	2.018	ug/l	100
39) Methacrylonitrile	4.55	41	10110	1.787	ug/l #	89
40) Methyl acrylate	4.43	55	17063	1.998	ug/l #	90
41) Tetrahydrofuran	4.65	42	10420	3.656	ug/l	91
42) 1-Chlorobutane	5.06	56	61747	1.909	ug/l	85

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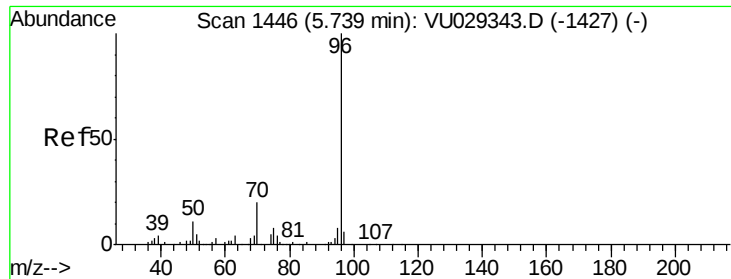
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	18839	2.036	ug/l	90
44) Bromodichloromethane	6.75	83	43832	1.859	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	92260	8.504	ug/l #	87
46) t-1,4-Dichloro-2-butene	10.51	75	13855m	2.621	ug/l	
47) Methyl methacrylate	6.62	69	30729	3.774	ug/l #	70
48) Ethyl methacrylate	8.02	69	30929	1.770	ug/l	78
49) Toluene	7.63	92	87059	2.038	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	38617	1.671	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	48340	1.760	ug/l #	84
52) 1,1,2-Trichloroethane	8.06	97	26764	2.184	ug/l	95
53) 1,3-Dichloropropane	8.24	76	44826	2.083	ug/l	97
54) 2-Hexanone	8.36	43	67488	8.875	ug/l	88
55) Dibromochloromethane	8.48	129	30439	1.748	ug/l	96
56) 1,2-Dibromoethane	8.58	107	25273	2.011	ug/l	98
58) Tetrachloroethene	8.22	164	40252	2.258	ug/l	97
59) Chlorobenzene	9.12	112	99608	2.070	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	34511	1.941	ug/l	95
61) Pentachloroethane	11.10	117	23906	1.735	ug/l	91
62) Hexachloroethane	12.14	117	25032	1.664	ug/l	95
63) Ethyl Benzene	9.25	91	162260	1.942	ug/l	94
64) m/p-Xylenes	9.37	106	127938	3.939	ug/l	88
65) o-Xylene	9.78	106	63782	2.001	ug/l	85
66) Styrene	9.79	104	104193	1.961	ug/l	92
67) Bromoform	9.95	173	17999	1.661	ug/l	97
69) Isopropylbenzene	10.16	105	168966	1.984	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	32799	2.089	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	23892m	2.216	ug/l	
72) Bromobenzene	10.45	156	43157	2.090	ug/l	83
73) n-propylbenzene	10.58	120	47069	1.984	ug/l	80
74) 2-Chlorotoluene	10.66	126	41978	2.078	ug/l	80
75) 1,3,5-Trimethylbenzene	10.77	105	140547	1.914	ug/l	95
76) 4-Chlorotoluene	10.77	126	41286	1.969	ug/l	81
77) tert-Butylbenzene	11.10	119	142704	1.966	ug/l	90
78) 1,2,4-Trimethylbenzene	11.14	105	141705	1.906	ug/l	95
79) sec-Butylbenzene	11.32	105	182152	1.918	ug/l	96
80) Nitrobenzene	12.88	77	1878m	2.684	ug/l	
81) p-Isopropyltoluene	11.47	119	154722	1.922	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	84407	2.084	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	82704	2.050	ug/l	96
84) n-Butylbenzene	11.89	91	133686	1.810	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	79543	2.077	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4836	1.650	ug/l #	69
87) 1,2,4-Trichlorobenzene	13.50	180	50235	1.867	ug/l	98
88) Hexachlorobutadiene	13.69	225	31919	2.049	ug/l	99
89) Naphthalene	13.74	128	77111	1.690	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	48171	1.959	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

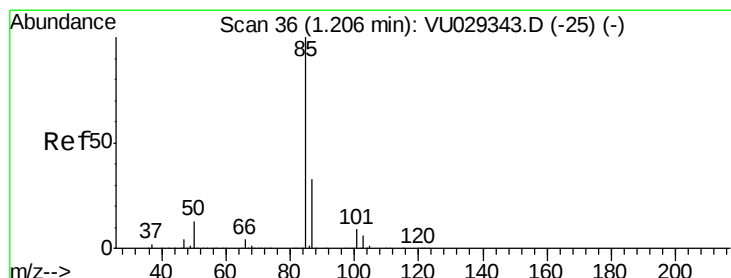
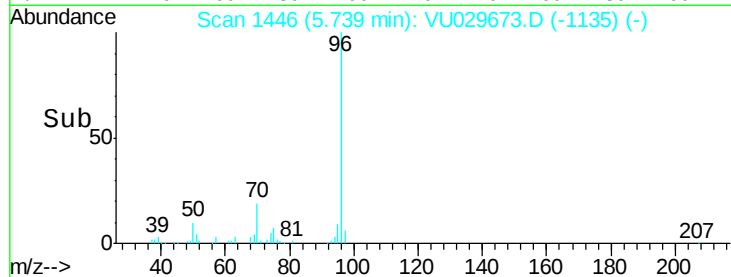
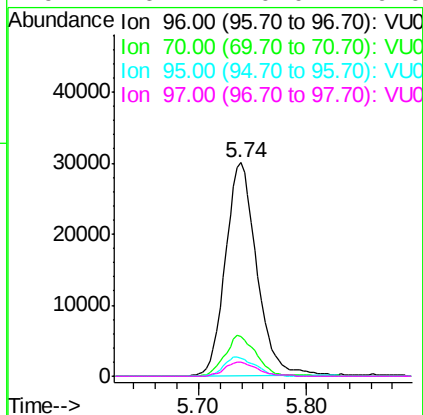
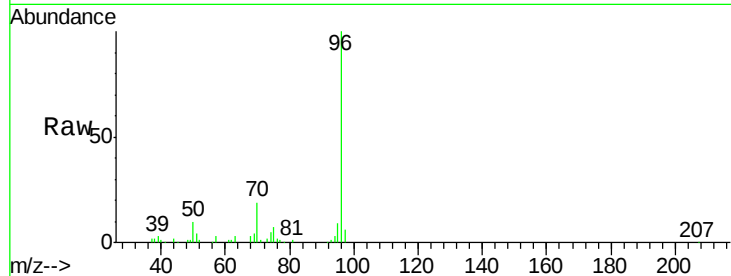
ClientSampleId :

VU0226WBS01

Tot Ion:	96	Resp:	60350
Ion	Ratio	Lower	Upper
96	100		
70	18.4	16.2	24.2
95	8.9	7.4	11.2
97	6.2	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.853 ug/l

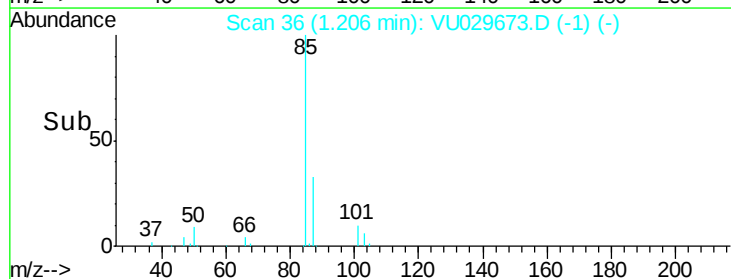
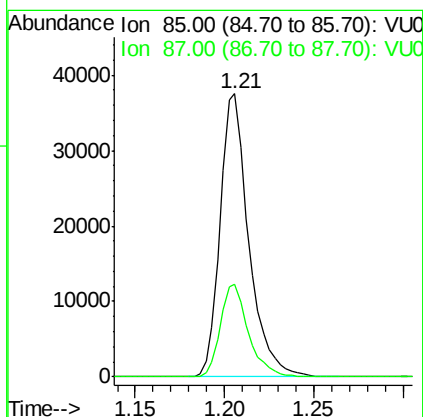
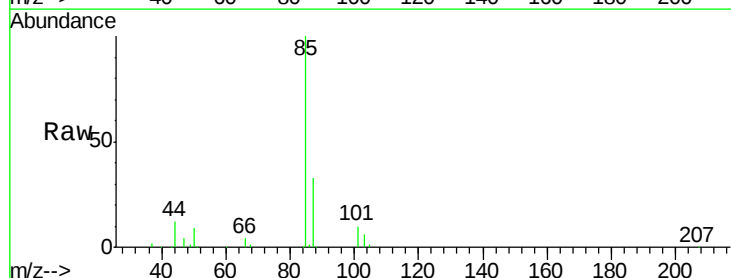
RT: 1.21 min Scan# 36

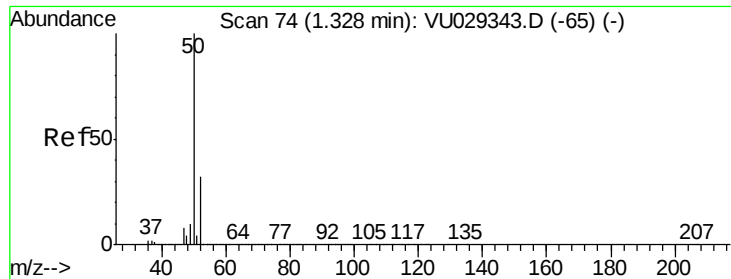
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	85	Resp:	41728
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.9	47.6





#3

Chloromethane

Concen: 1.681 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 50 Resp: 34588

Ion Ratio Lower Upper

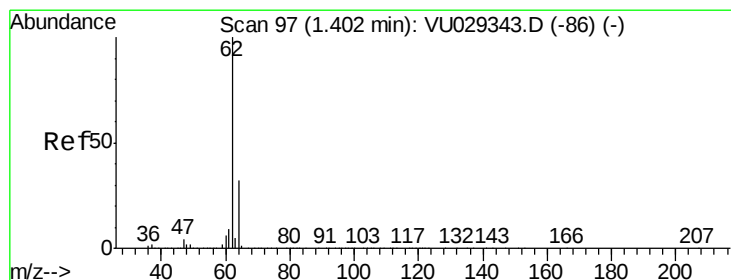
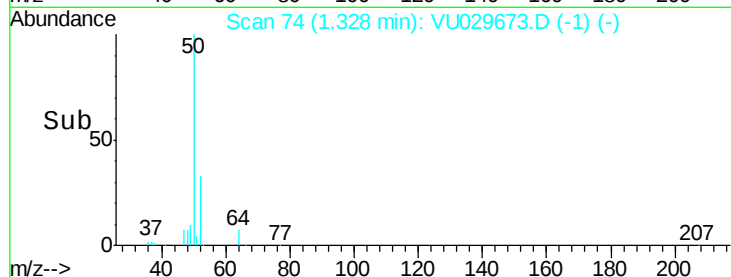
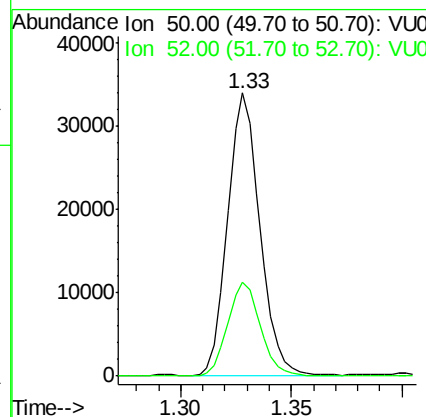
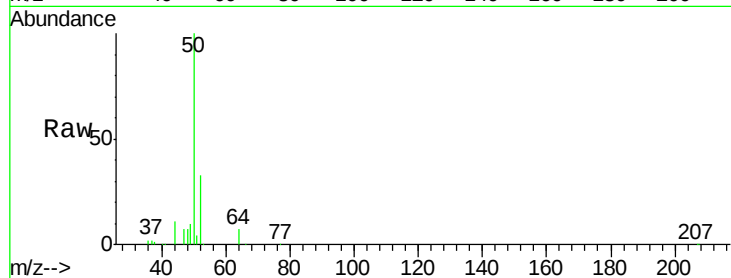
50 100

52 33.3 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.782 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029673.D

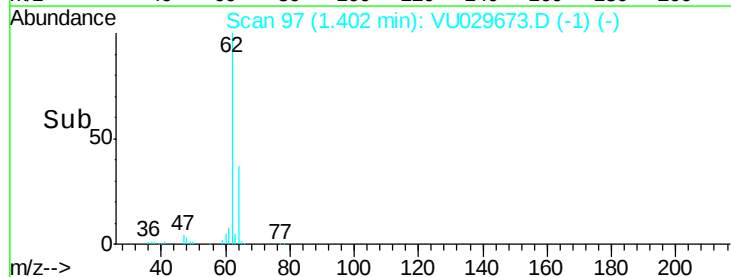
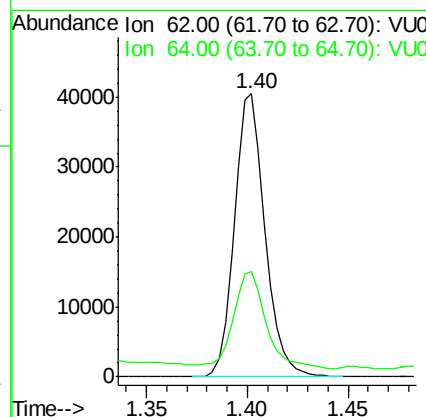
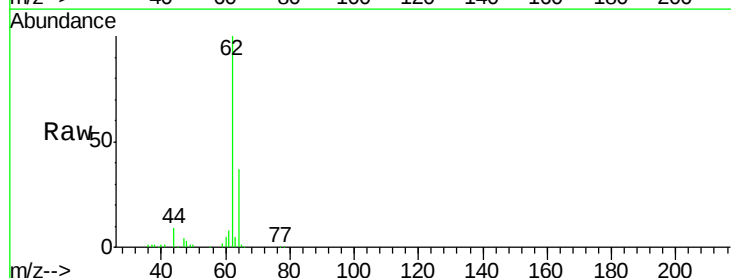
Acq: 26 Feb 2019 11:14

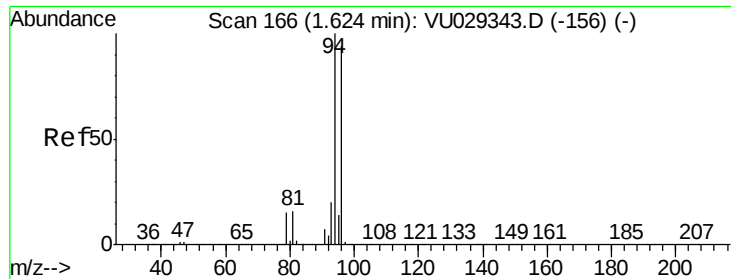
Tgt Ion: 62 Resp: 42988

Ion Ratio Lower Upper

62 100

64 34.1 25.2 37.8





#5

Bromomethane

Concen: 2.031 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 94 Resp: 27254

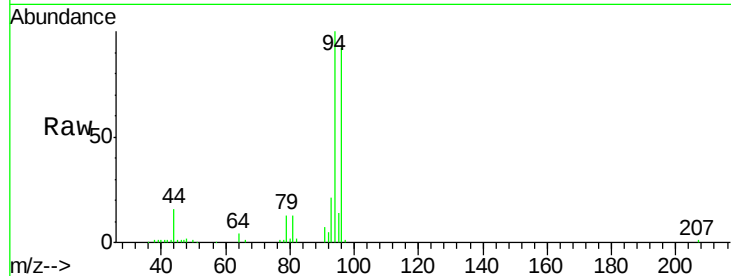
Ion Ratio Lower Upper

94 100

96 92.4 71.7 107.5

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

25000

20000

15000

10000

5000

0

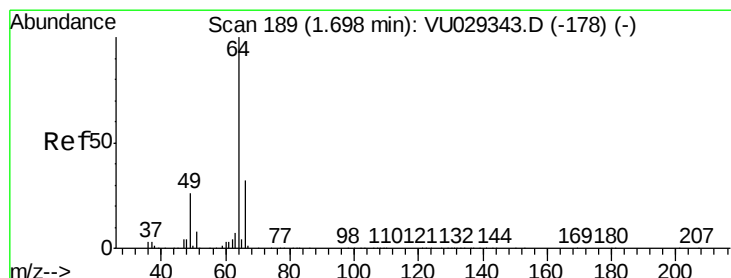
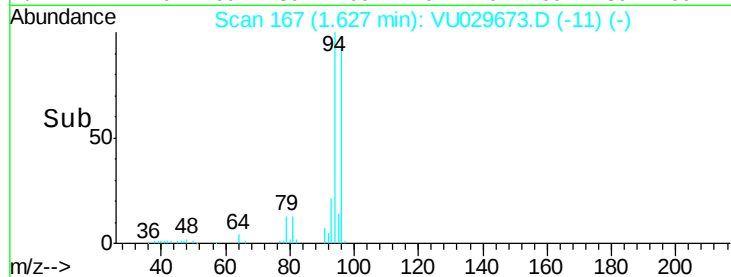
1.60

1.63

1.65

1.70

Time-->



#6

Chloroethane

Concen: 1.831 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029673.D

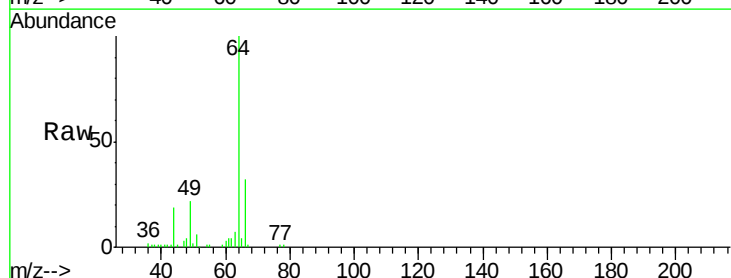
Acq: 26 Feb 2019 11:14

Tgt Ion: 64 Resp: 25813

Ion Ratio Lower Upper

64 100

66 32.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

25000

20000

15000

10000

5000

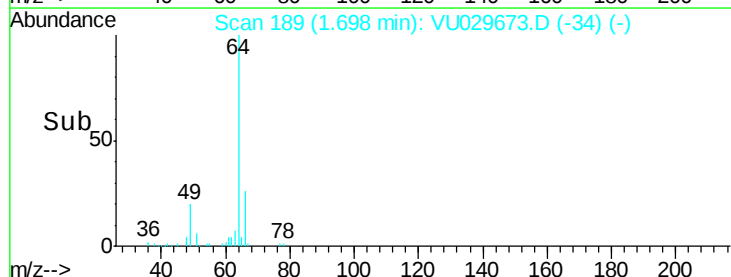
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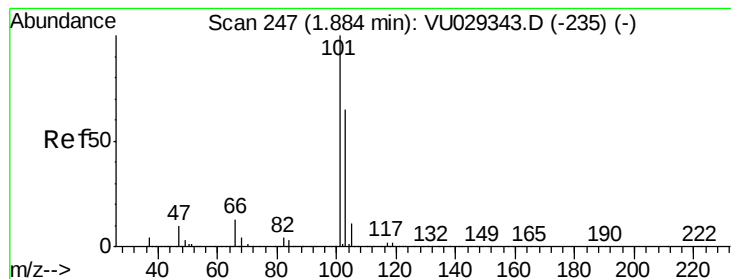
1.65

1.70

1.75

Time-->





#7

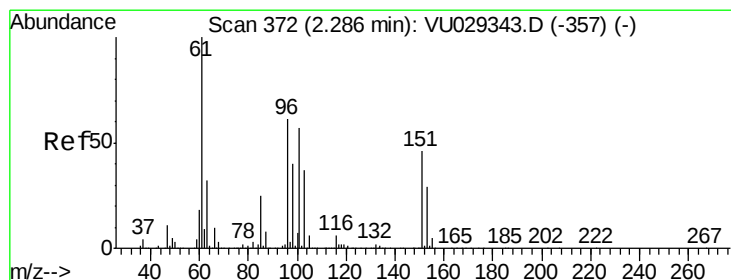
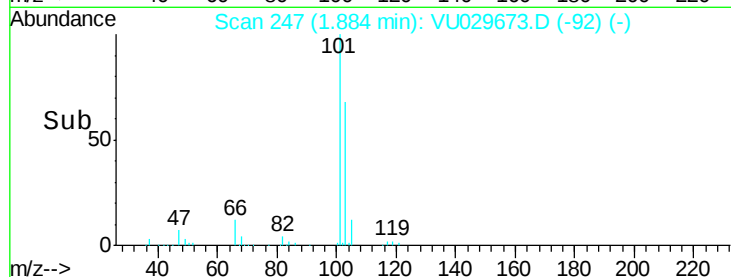
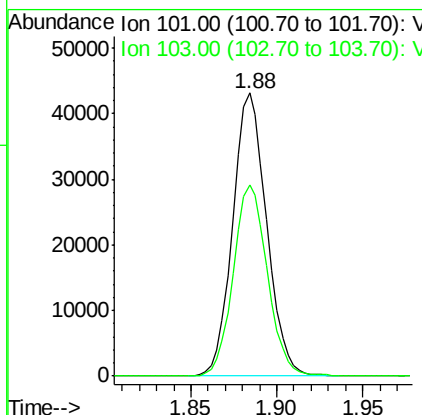
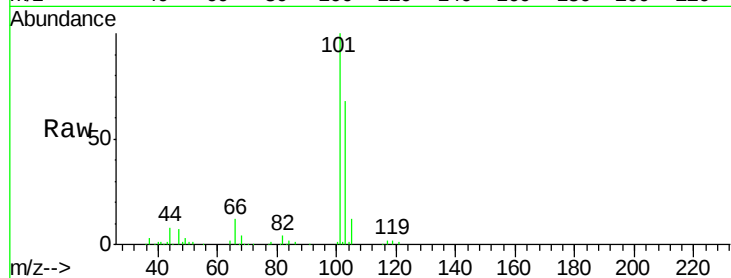
Trichlorofluoromethane
 Concen: 1.764 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029673.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	53.9	80.9

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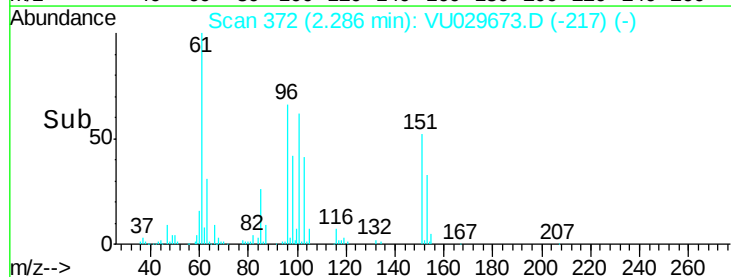
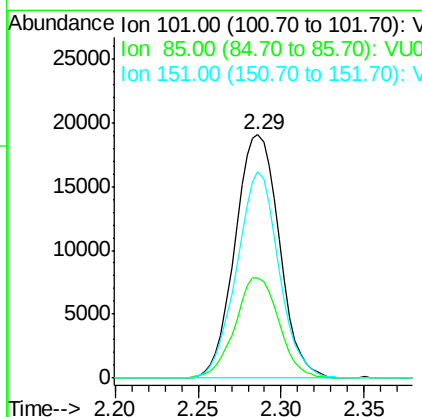
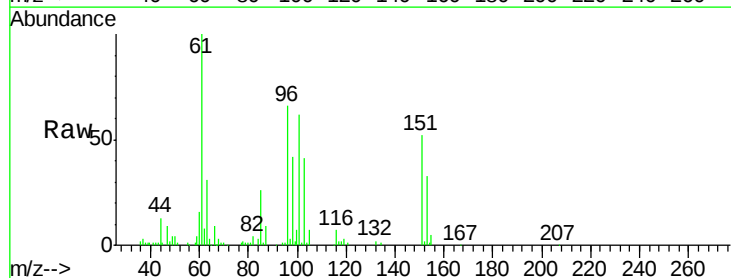
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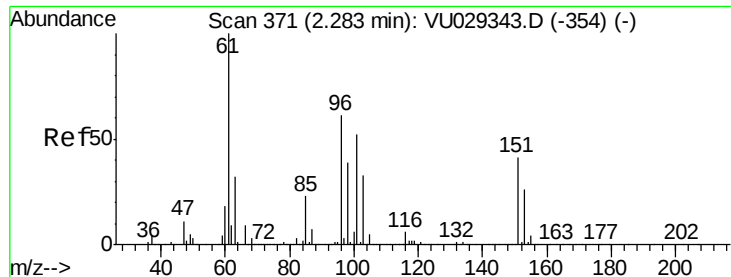


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.992 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.0	40.3	60.5
151	80.8	58.1	87.1





#9

1,1-Dichloroethene

Concen: 1.958 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

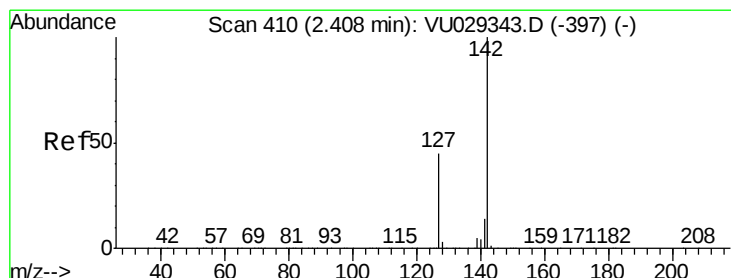
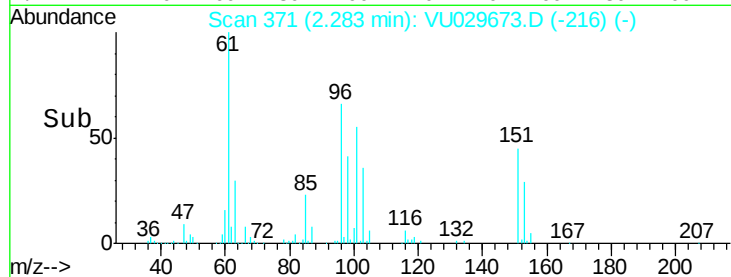
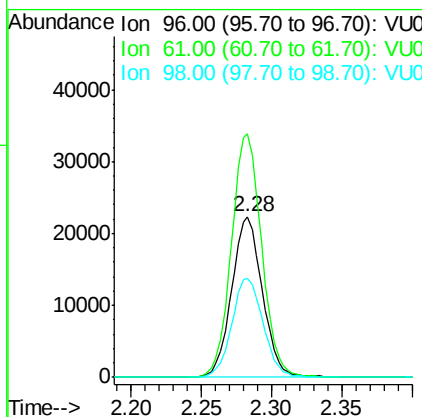
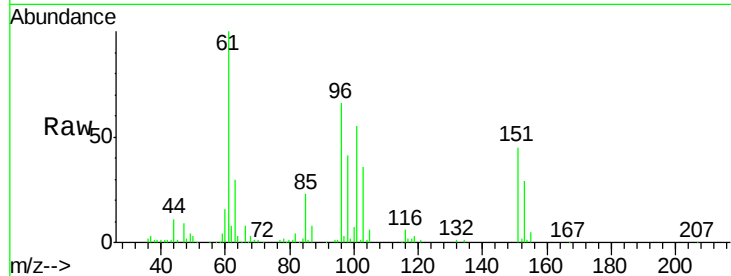
ClientSampleId :

VU0226WBS01

Tot Ion:	96	Resp:	34083
Ion Ratio	Lower	Upper	
96	100		
61	151.6	0.0	641.4
98	61.9	0.0	122.6

Manual Integrations
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3/5/2019 9:31:45 AM



#10

Iodomethane

Concen: 0.987 ug/l

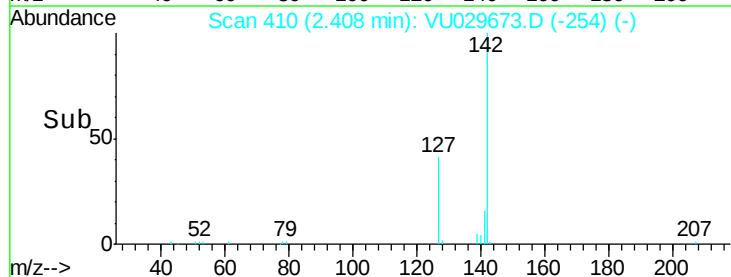
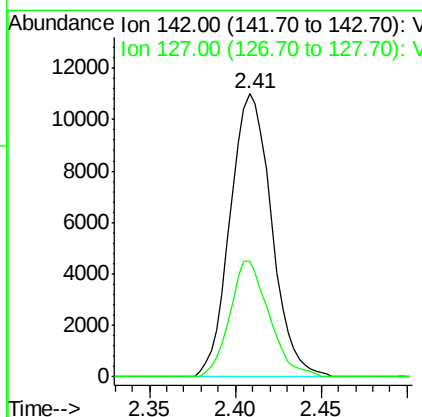
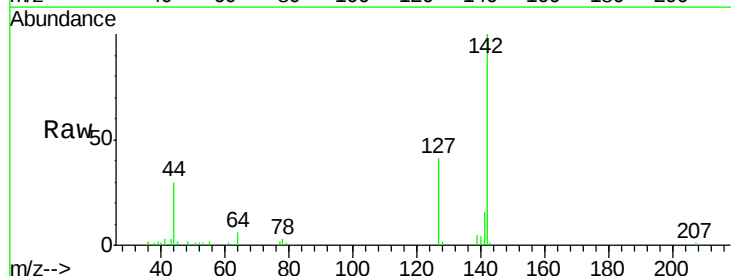
RT: 2.41 min Scan# 410

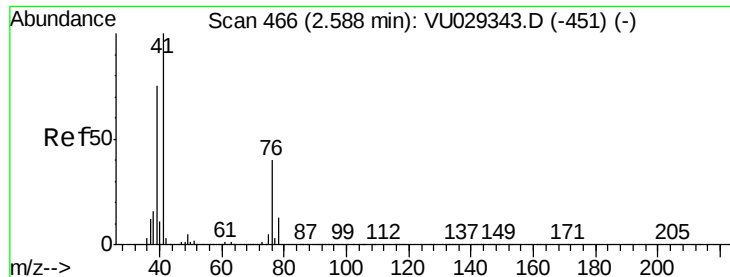
Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	142	Resp:	18452
Ion Ratio	Lower	Upper	
142	100		
127	38.9	47.6	71.4#





#11

Allvl Chloride

Concen: 1.616 ug/l

RT: 2.59 min Scan# 466

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 41 Resp: 47187

Ion Ratio Lower Upper

41 100

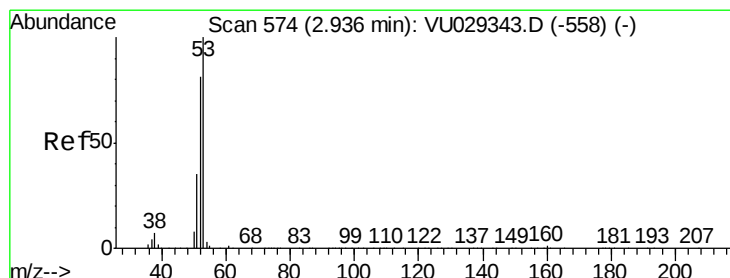
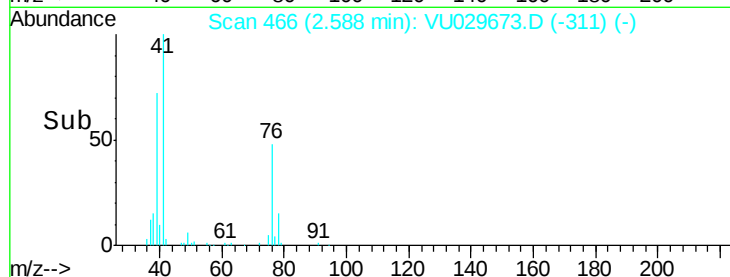
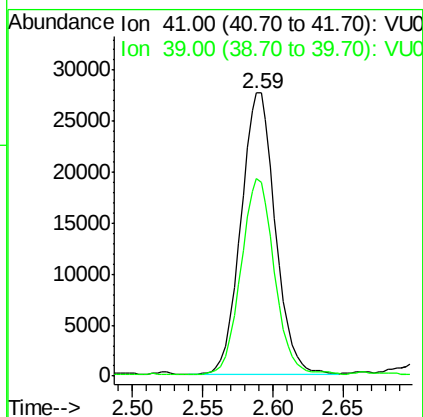
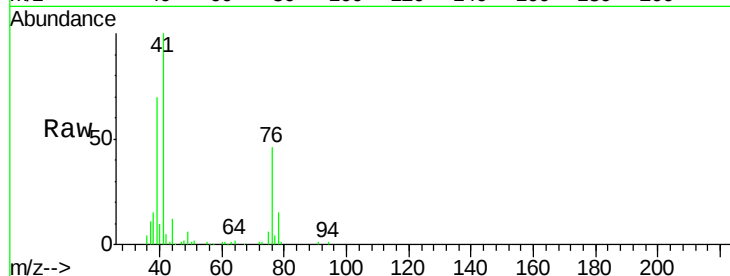
39 68.0 67.2 100.8

Manual Integrations

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#12

Acrylonitrile

Concen: 3.856 ug/l

RT: 2.93 min Scan# 573

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

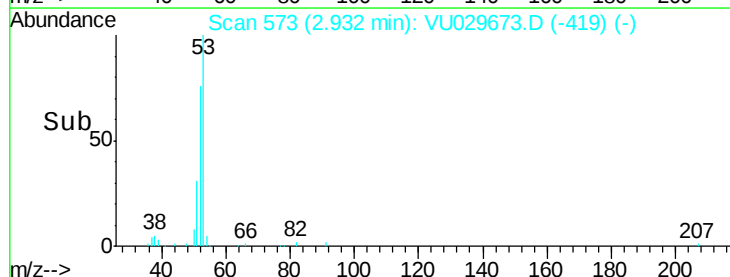
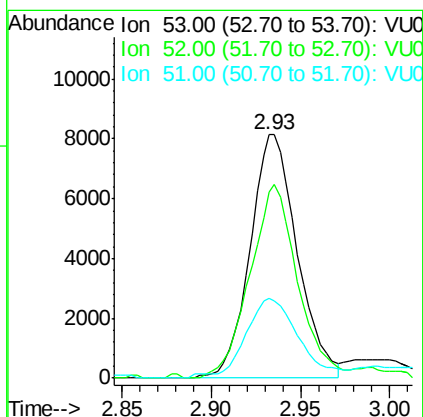
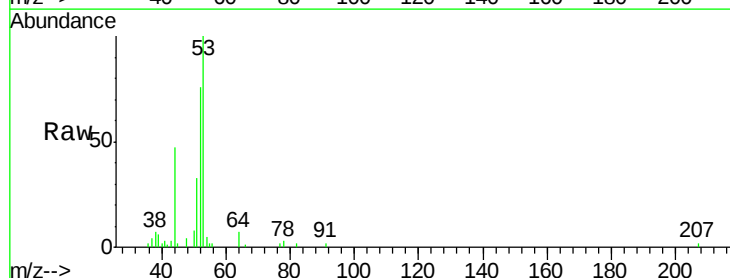
Tgt Ion: 53 Resp: 15047

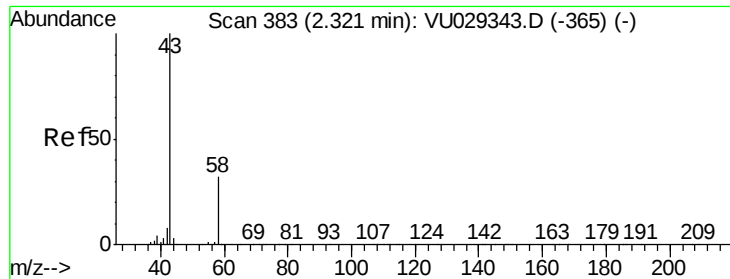
Ion Ratio Lower Upper

53 100

52 80.3 67.6 101.4

51 36.8 31.0 46.4





#13

Acetone

Concen: 8.883 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 43 Resp: 33405

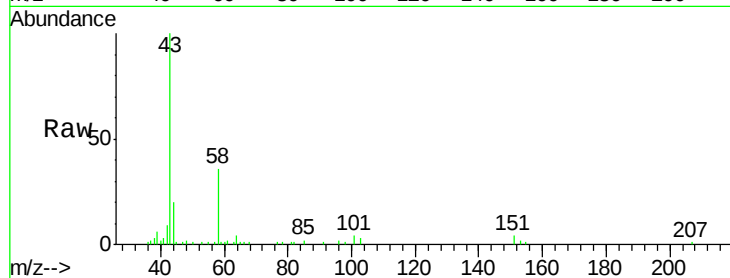
Ion Ratio Lower Upper

43 100

58 36.3 19.2 28.8#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

20000

15000

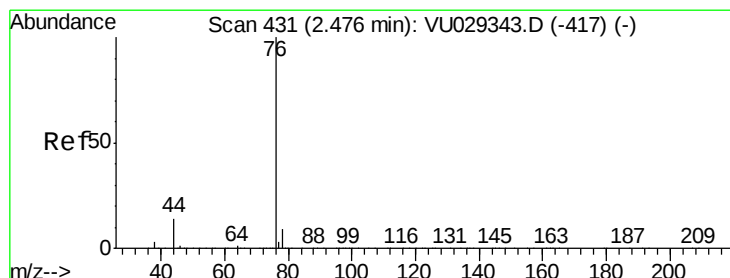
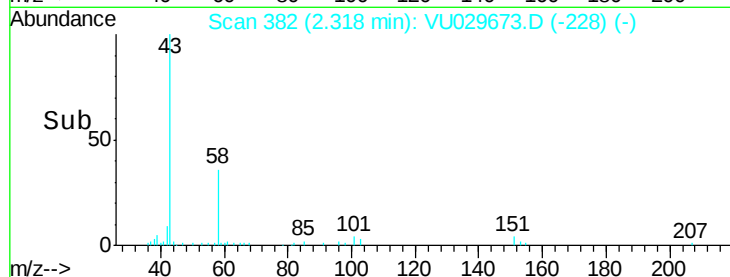
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 1.789 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029673.D

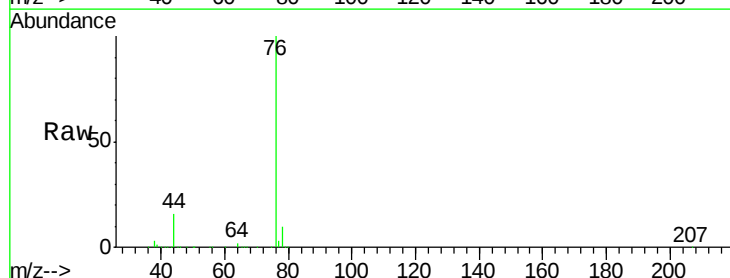
Acq: 26 Feb 2019 11:14

Tgt Ion: 76 Resp: 109955

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.47

80000

60000

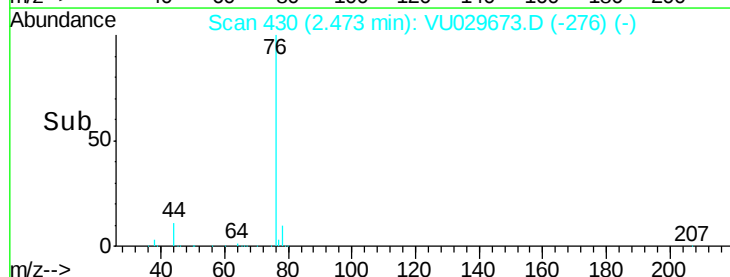
40000

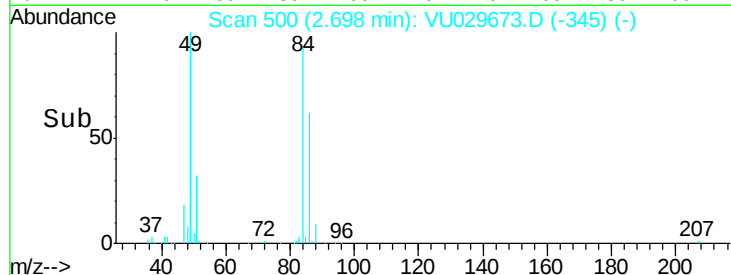
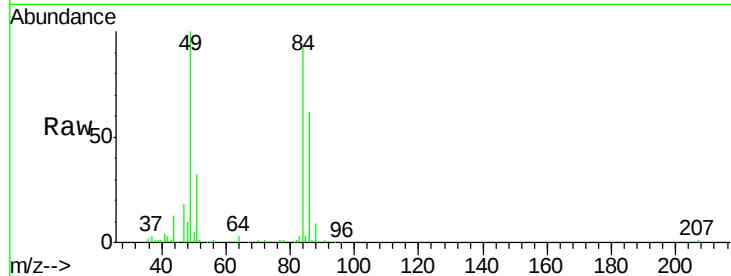
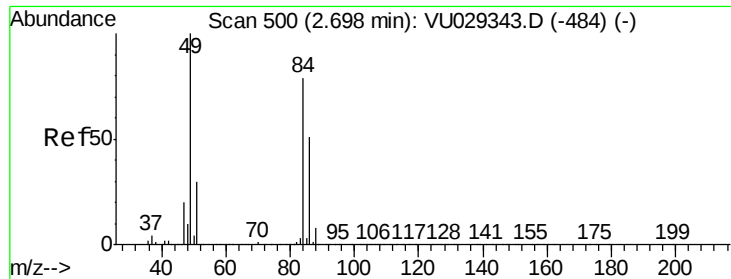
20000

0

Time-->

2.40 2.45 2.50 2.55





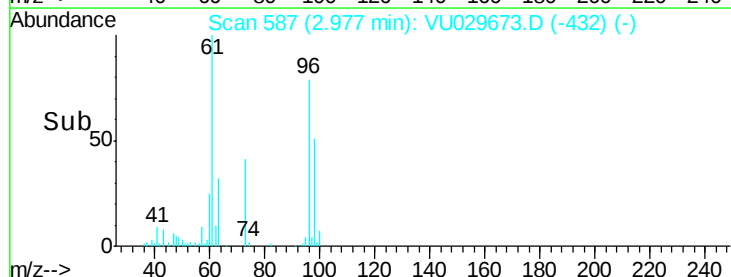
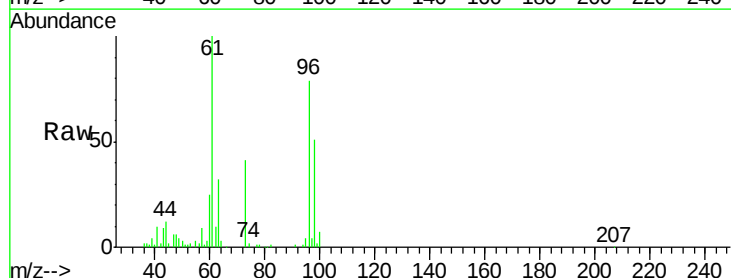
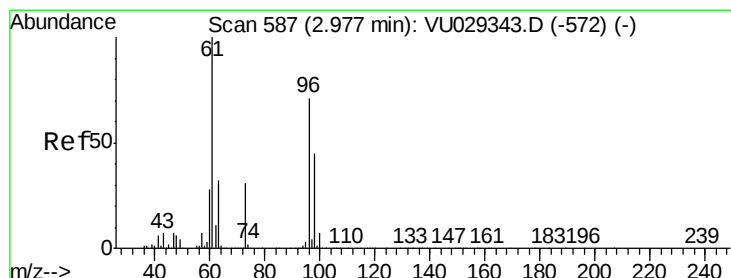
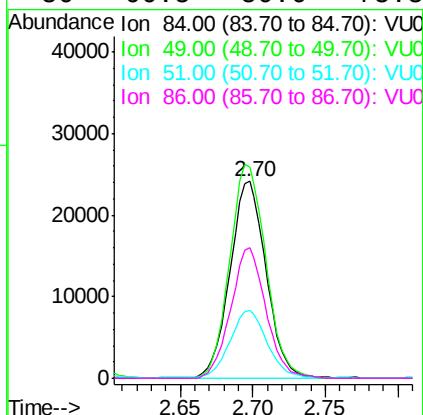
#15
Methvlene Chloride
Concen: 1.974 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.7	127.0	190.6#
51	34.1	0.0	93.4
86	66.5	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

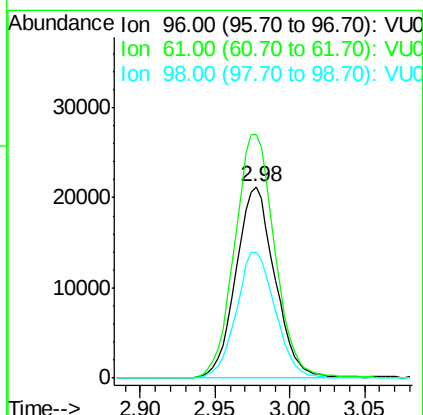
Manual Integrations
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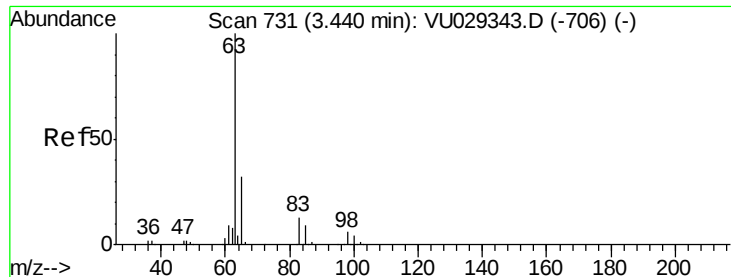
MMDadoda
3/5/2019 9:31:45 AM



#16
trans-1,2-Dichloroethene
Concen: 1.973 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.3	140.6	210.8#
98	65.5	49.3	73.9





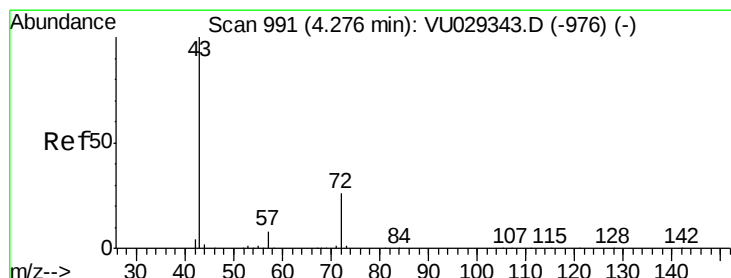
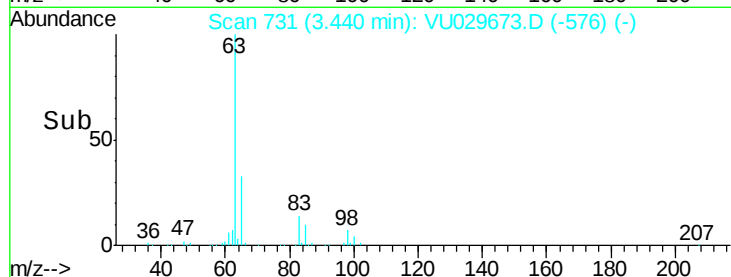
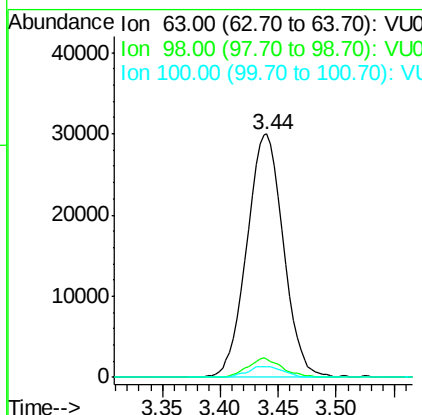
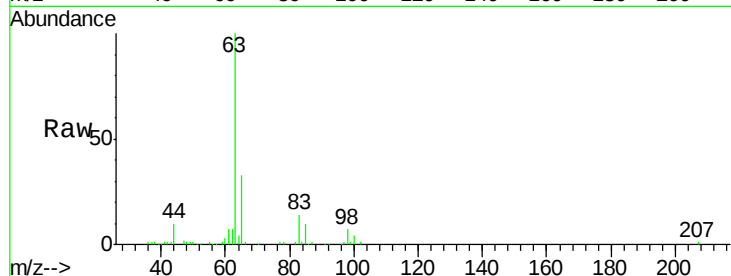
#17
 1,1-Dichloroethane
 Concen: 2.140 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.3	2.9	8.8
100	4.3	1.7	5.1

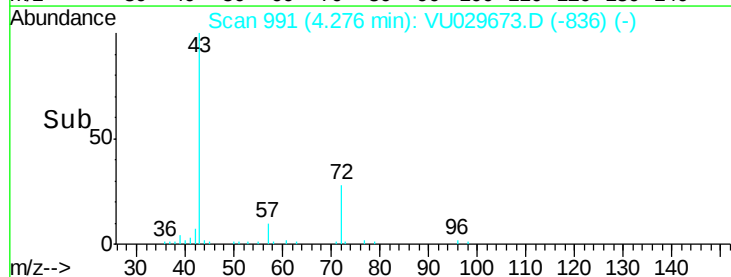
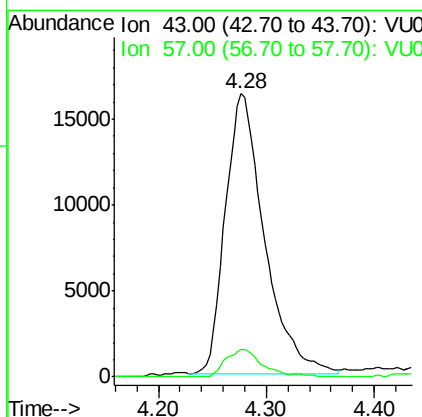
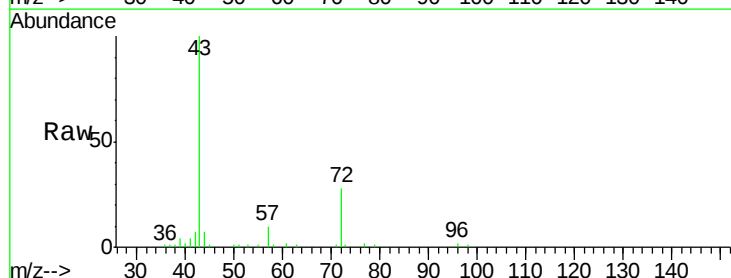
Manual Integrations
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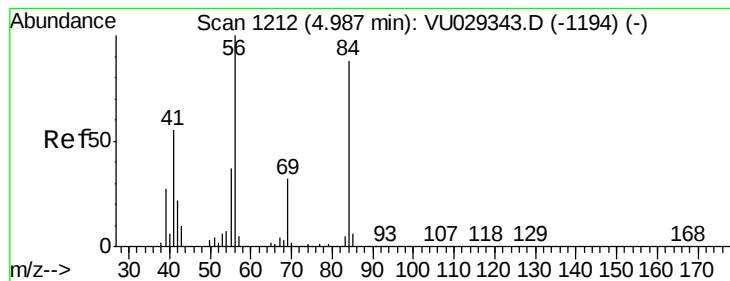
MMDadoda
 3/5/2019 9:31:45 AM



#18
 2-Butanone
 Concen: 9.826 ug/l
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.7	0.0	15.8





#19

Cyclohexane

Concen: 1.474 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

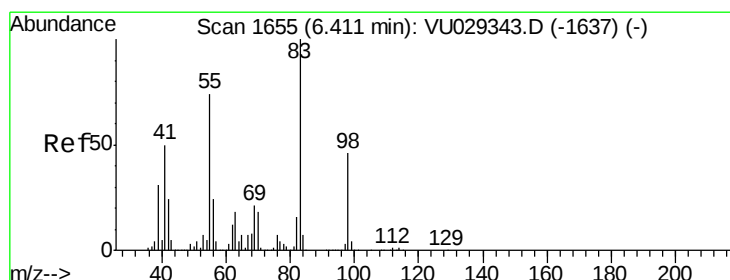
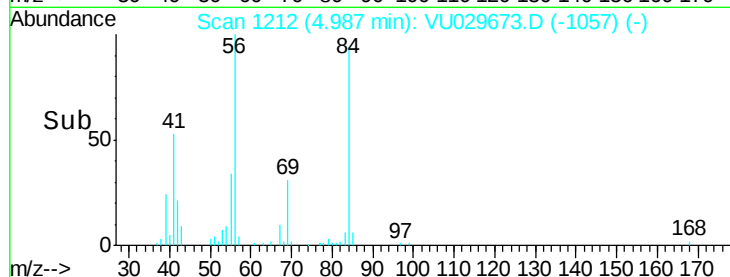
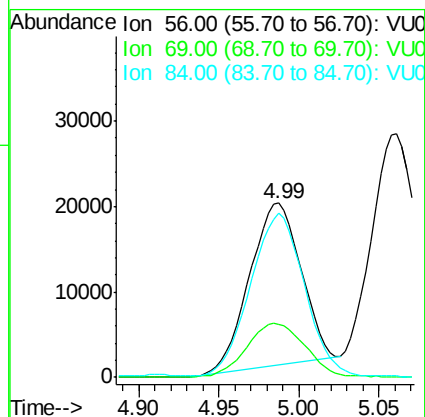
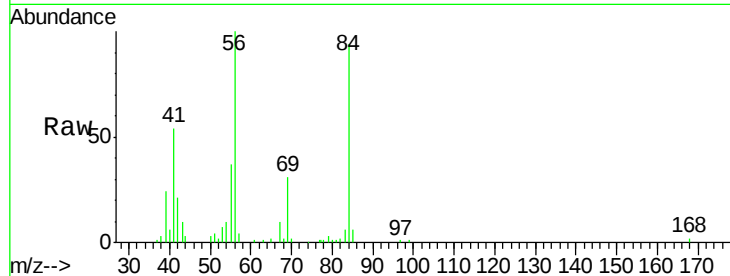
ClientSampleId :

VU0226WBS01

Tot Ion:	56	Resp:	42166
Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.8	40.2
84	104.3	71.5	107.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.886 ug/l

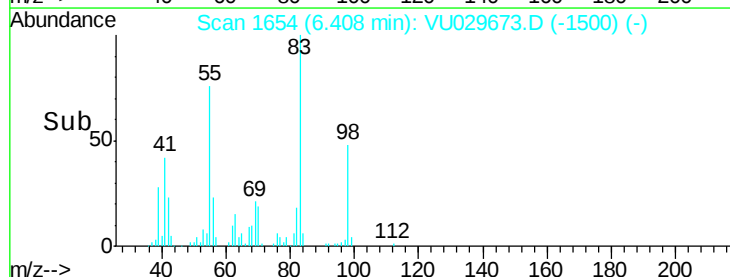
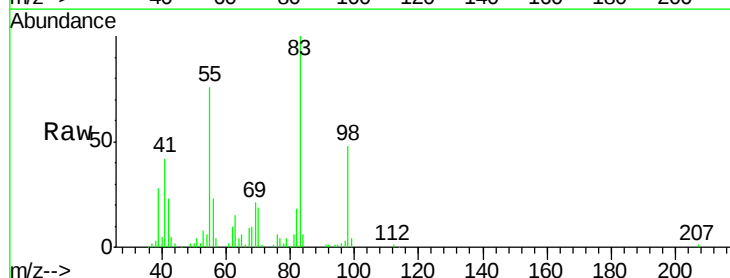
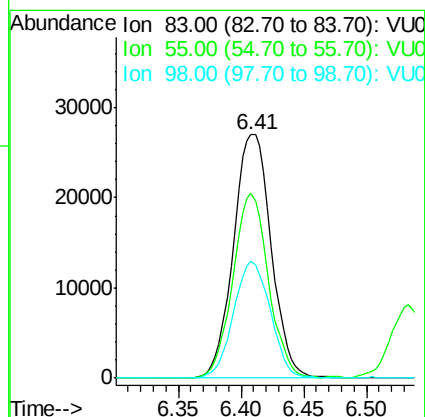
RT: 6.41 min Scan# 1654

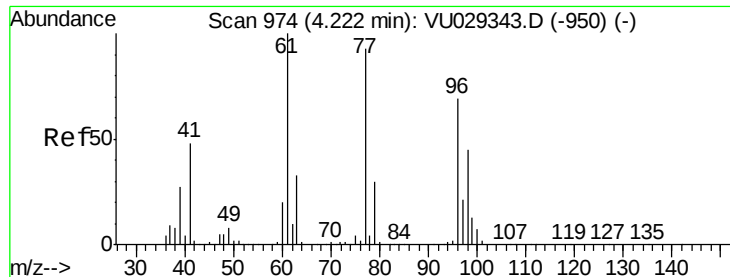
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	83	Resp:	56669
Ion	Ratio	Lower	Upper
83	100		
55	71.4	72.4	108.6#
98	46.7	36.6	54.8





#21

2,2-Dichloropropane

Concen: 1.777 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 77 Resp: 50750

Ion Ratio Lower Upper

77 100

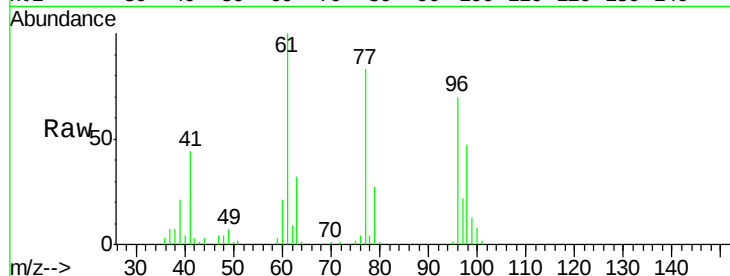
97 24.7 15.6 23.4#

Manual Integrations

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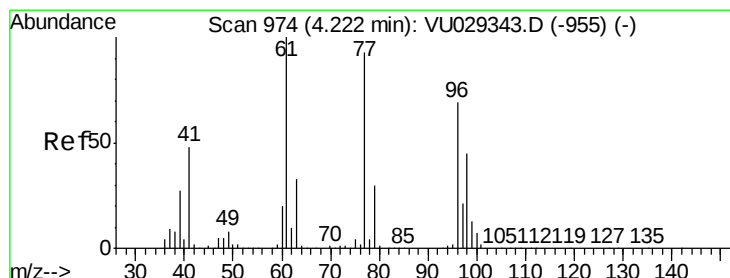
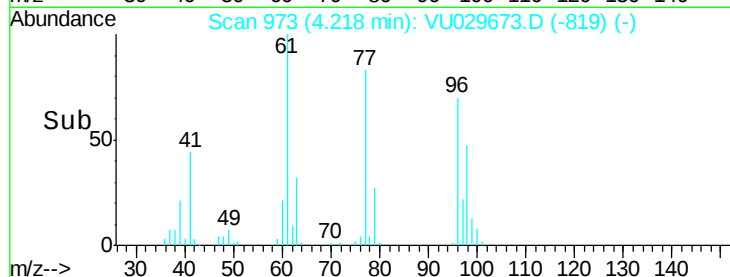
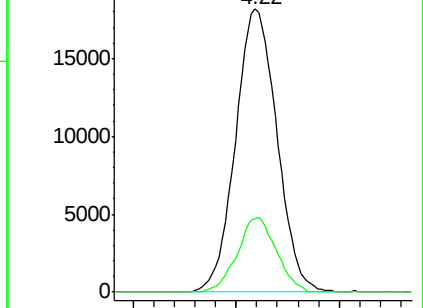
MMDadoda

3/5/2019 9:31:45 AM



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 2.109 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

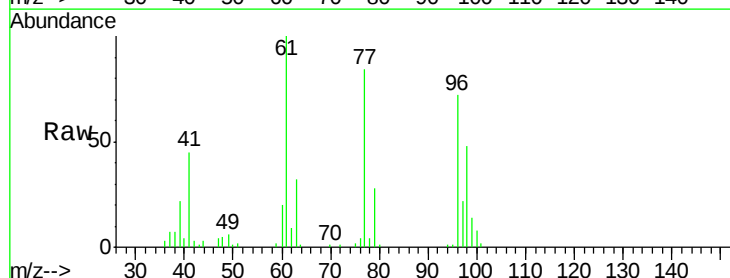
Tgt Ion: 96 Resp: 38674

Ion Ratio Lower Upper

96 100

61 139.3 0.0 460.0

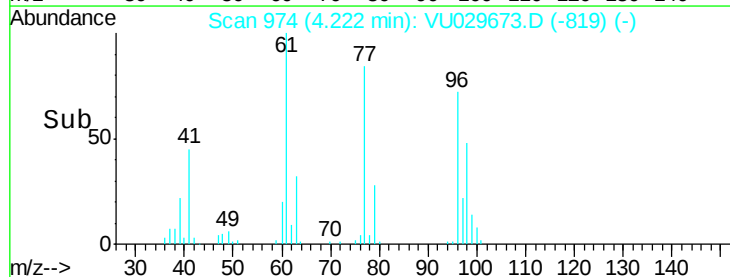
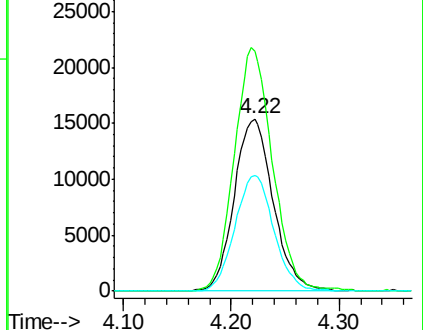
98 67.1 32.6 97.7

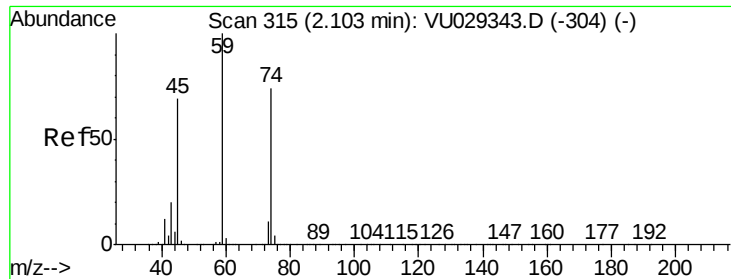


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





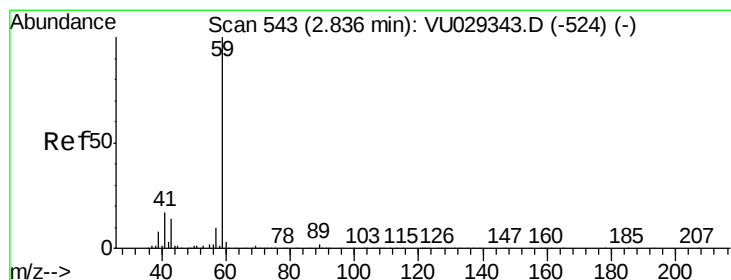
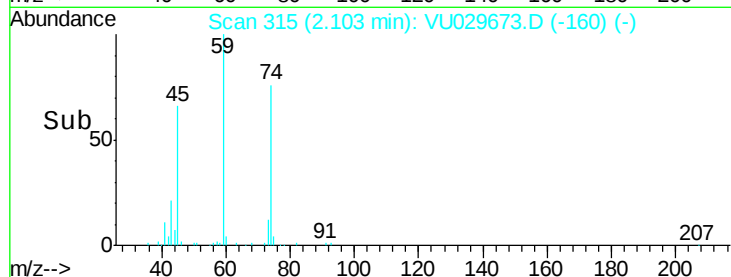
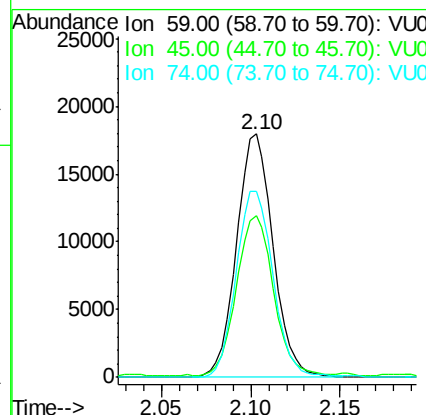
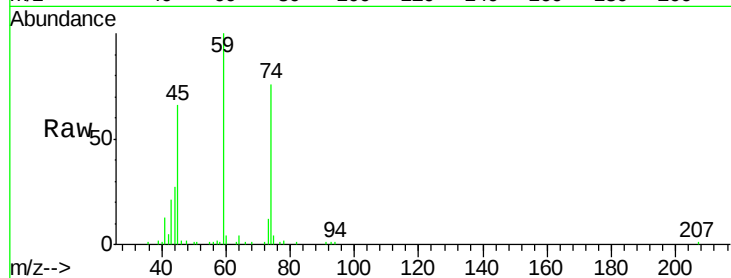
#23
Diethyl Ether
Concen: 1.834 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	66.5	64.2	96.4
74	77.9	55.3	82.9

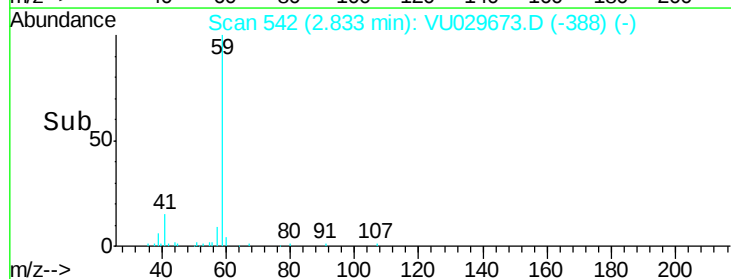
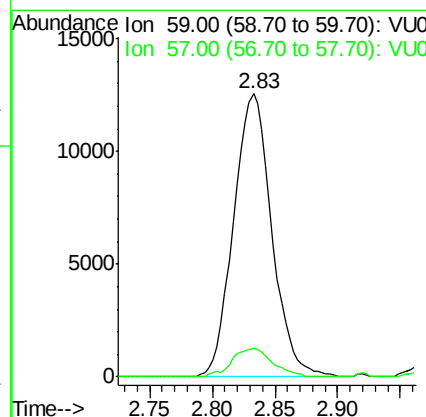
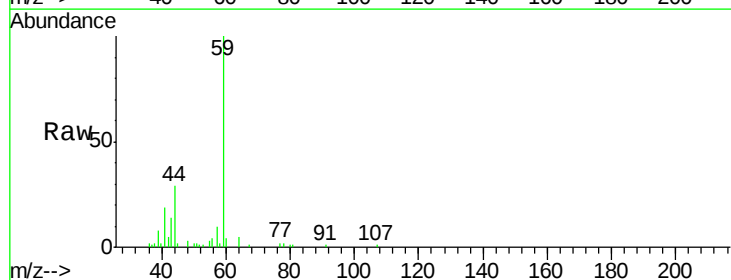
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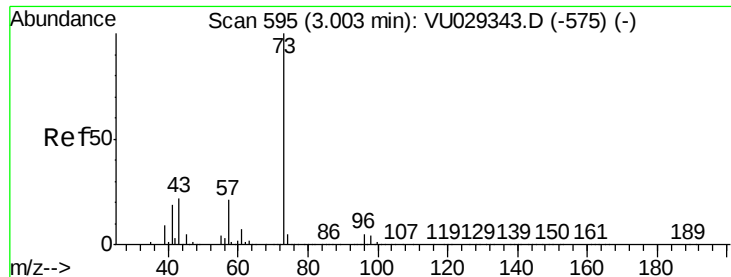
MMDadoda
3/5/2019 9:31:45 AM



#24
tert-Butyl Alcohol
Concen: 18.280 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2





#25

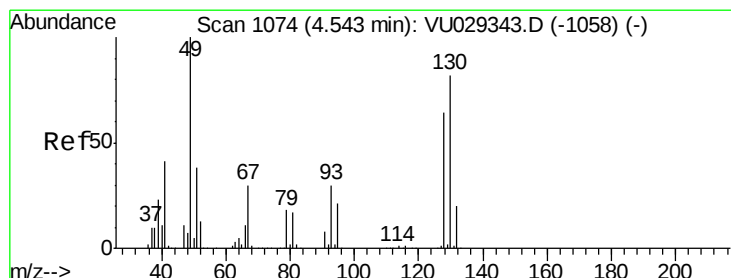
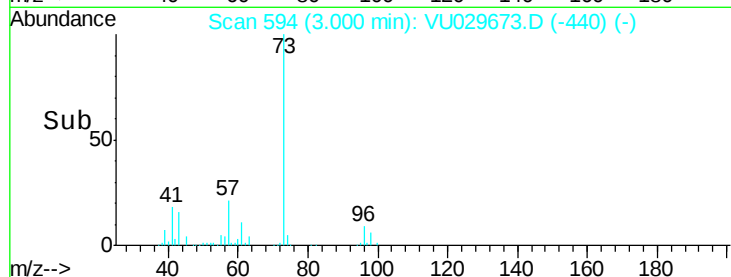
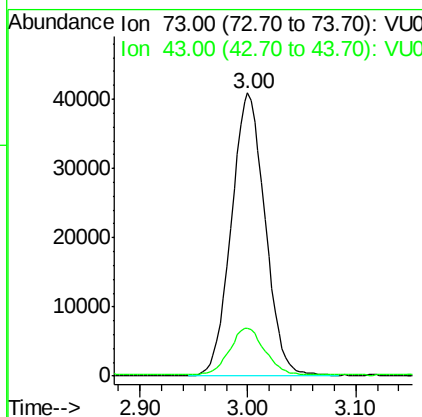
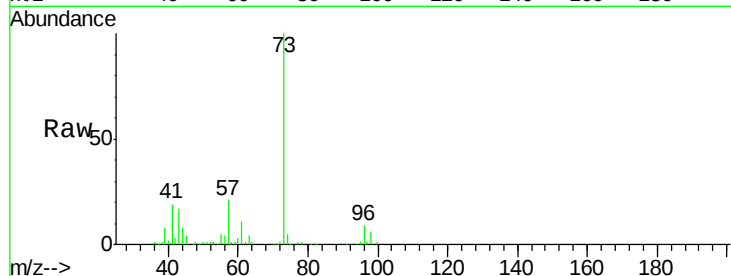
Methyl tert-Butyl Ether
 Concen: 1.822 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
43	17.1	22.1	33.1#

Manual Integrations
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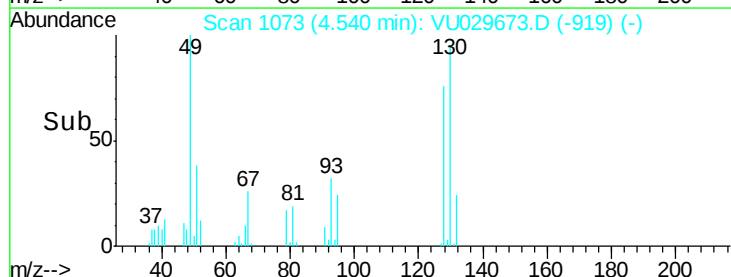
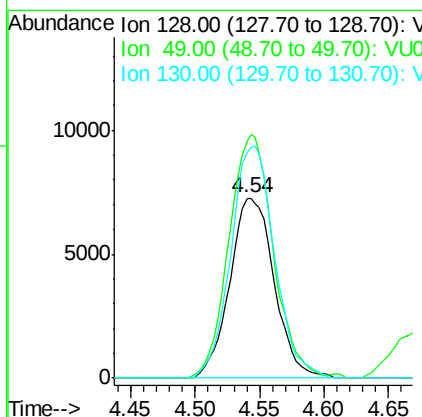
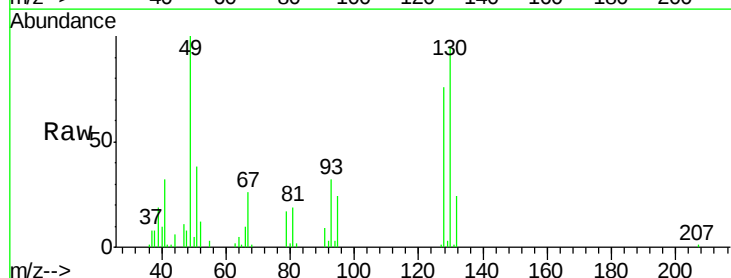
MMDadoda
 3/5/2019 9:31:45 AM

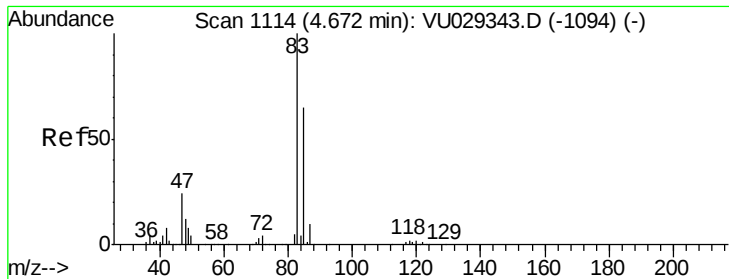


#26

Bromochloromethane
 Concen: 2.145 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
128	100		
49	134.9	0.0	401.6
130	127.2	108.0	162.0





#27

Chloroform

Concen: 2.066 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 83 Resp: 61990

Ion Ratio Lower Upper

83 100

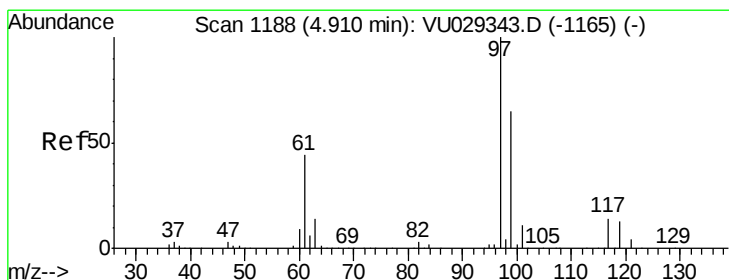
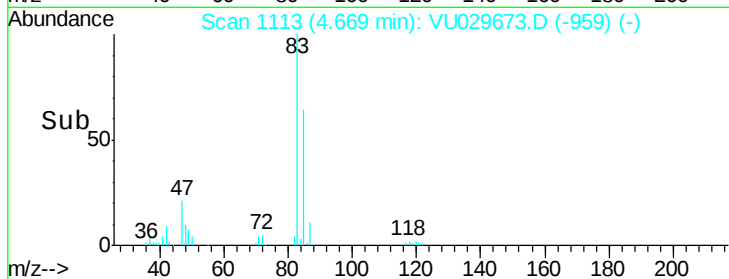
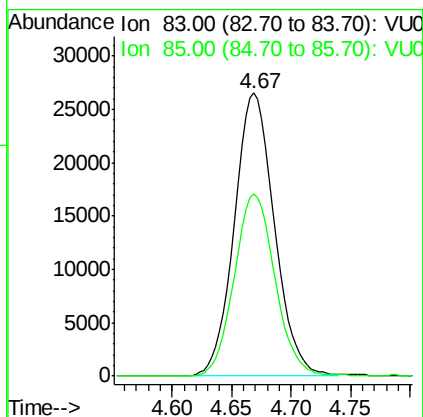
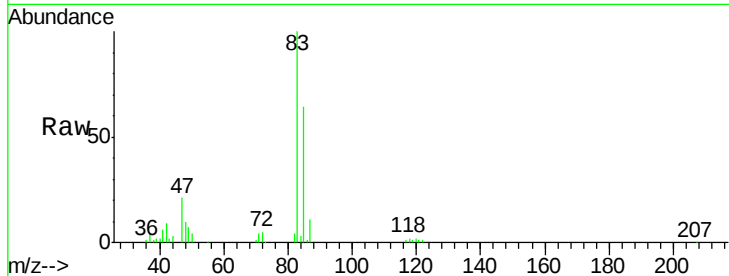
85 64.2 0.0 126.6

Manual Integrations

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3/5/2019 9:31:45 AM



#28

1,1,1-Trichloroethane

Concen: 1.953 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

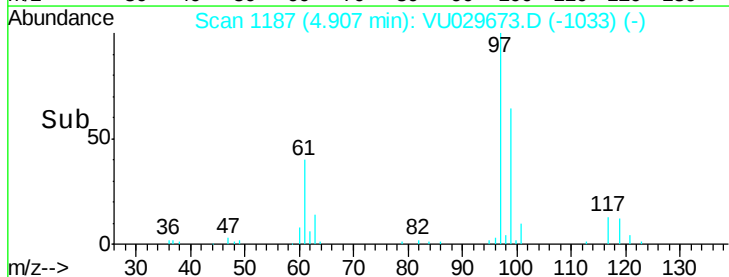
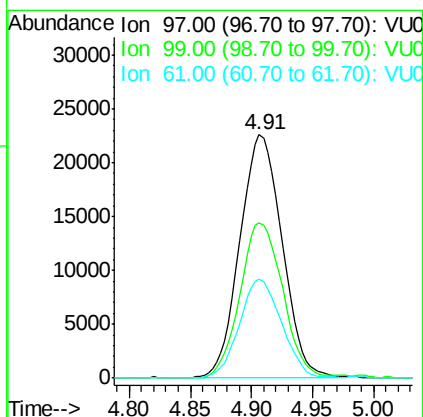
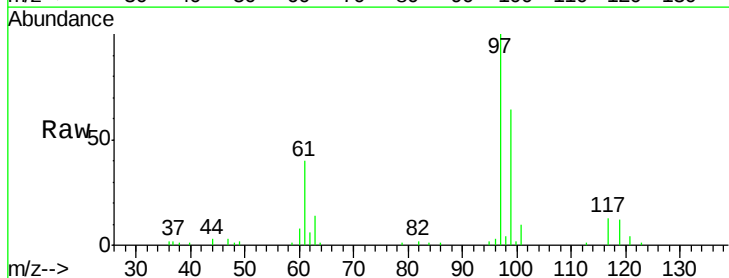
Tgt Ion: 97 Resp: 54319

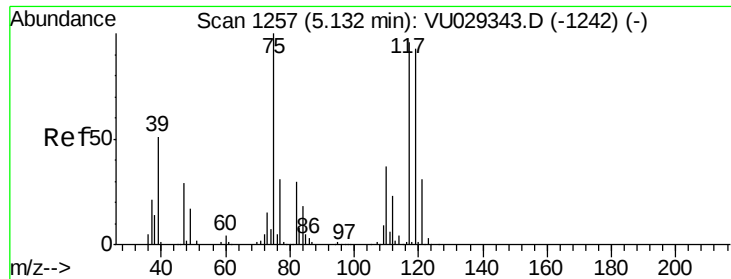
Ion Ratio Lower Upper

97 100

99 64.0 32.4 97.2

61 40.4 24.4 73.2





#29

1,1-Dichloropropene

Concen: 1.934 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

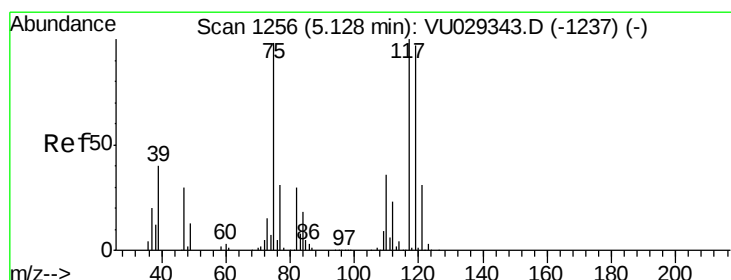
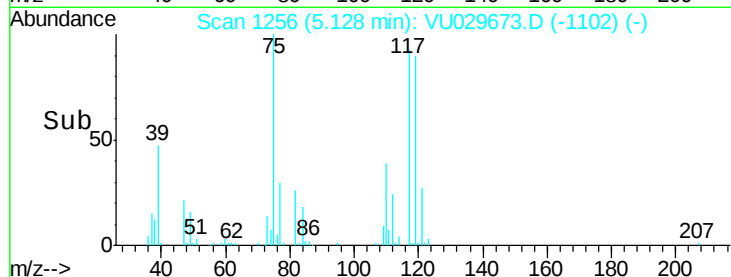
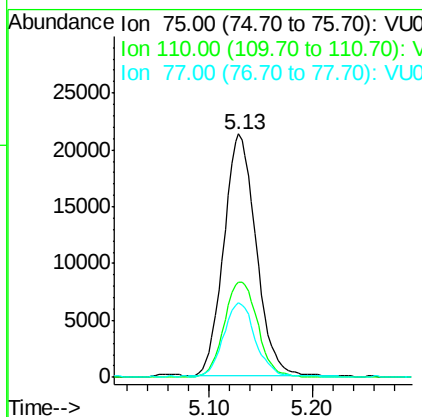
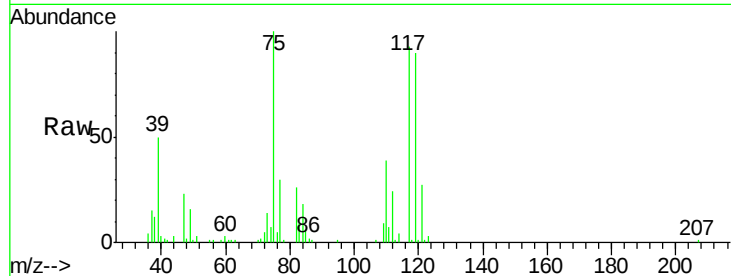
ClientSampleId :

VU0226WBS01

Tot Ion:	75	Resp:	46699
Ion	Ratio	Lower	Upper
75	100		
110	40.7	15.4	46.2
77	30.3	24.1	36.1

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 1.862 ug/l

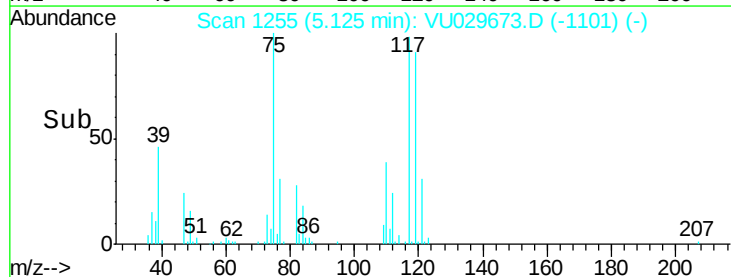
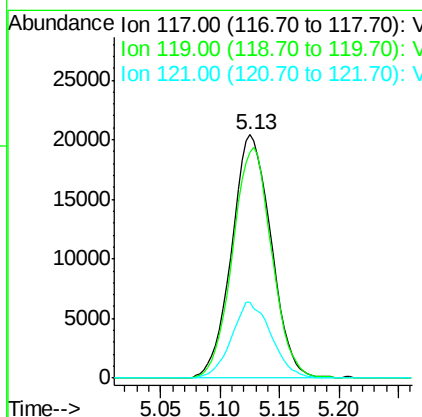
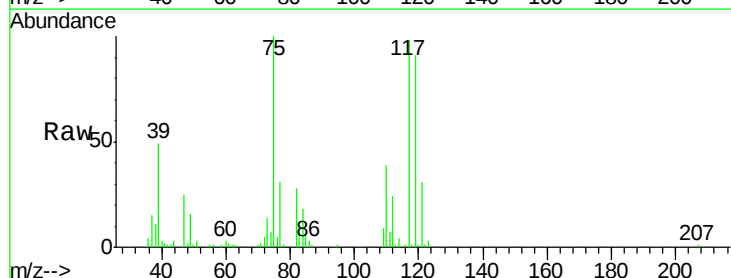
RT: 5.13 min Scan# 1255

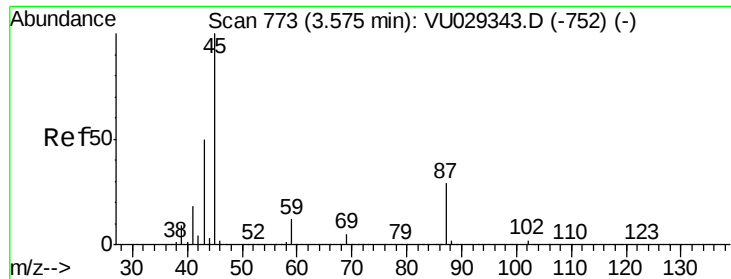
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	117	Resp:	46887
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.8	115.2
121	31.2	24.4	36.6





#31

Isopropyl Ether

Concen: 1.886 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 45 Resp: 87794

Ion Ratio Lower Upper

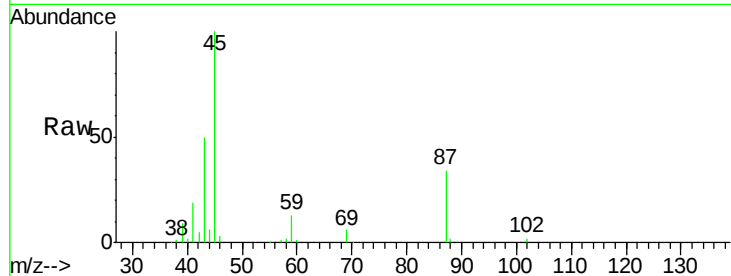
45 100

43 50.3 28.4 85.3

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.58

40000

30000

20000

10000

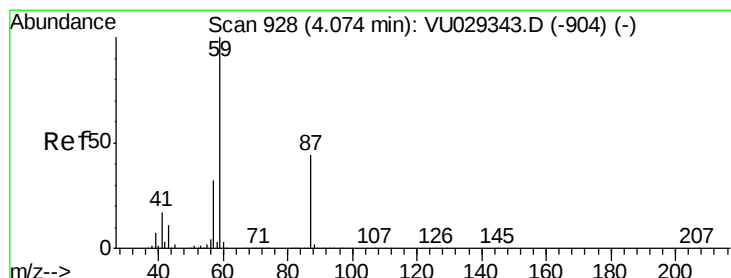
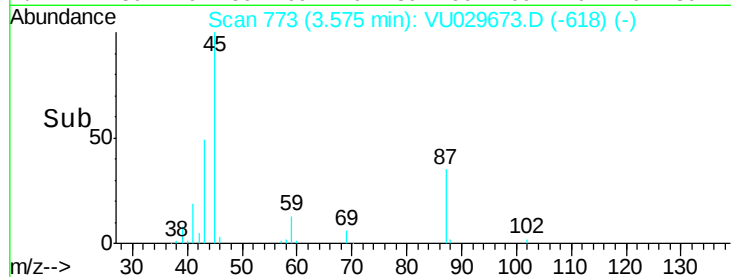
0

Time-->

3.50

3.60

3.70



#32

Ethyl-t-butyl ether

Concen: 1.907 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029673.D

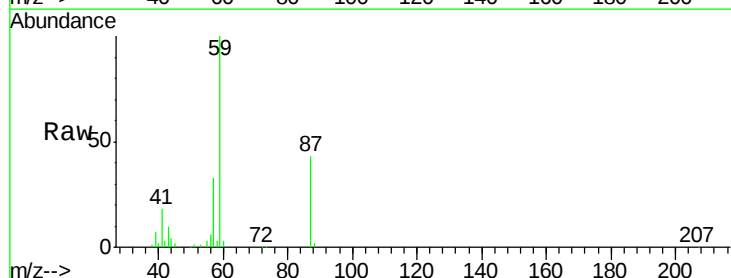
Acq: 26 Feb 2019 11:14

Tgt Ion: 59 Resp: 88961

Ion Ratio Lower Upper

59 100

87 43.7 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

4.07

30000

20000

10000

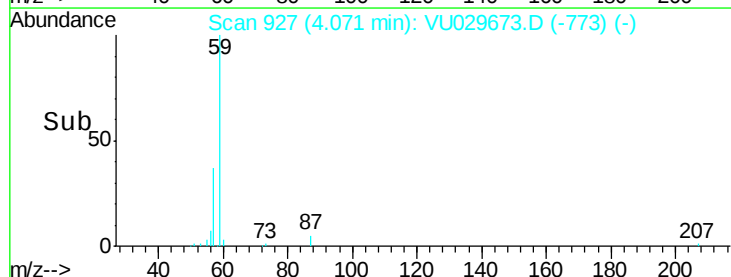
0

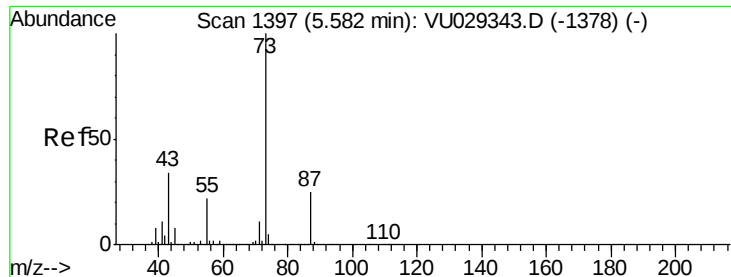
Time-->

4.00

4.10

4.20





#33

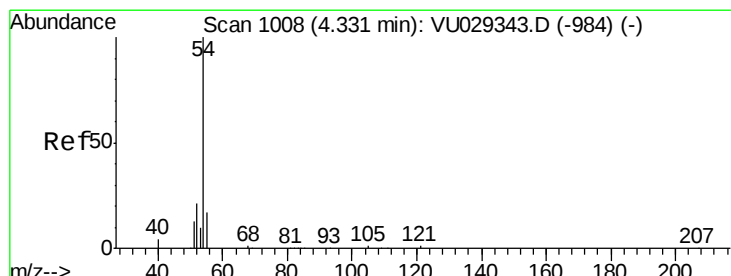
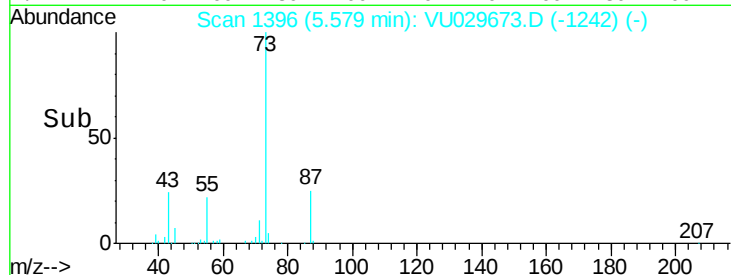
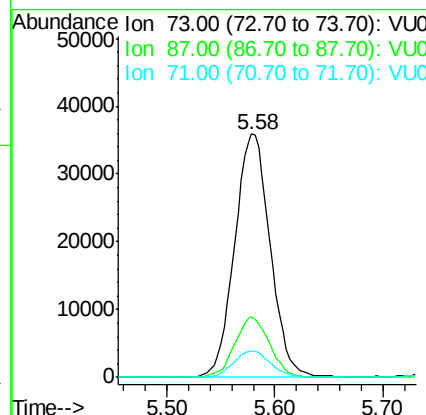
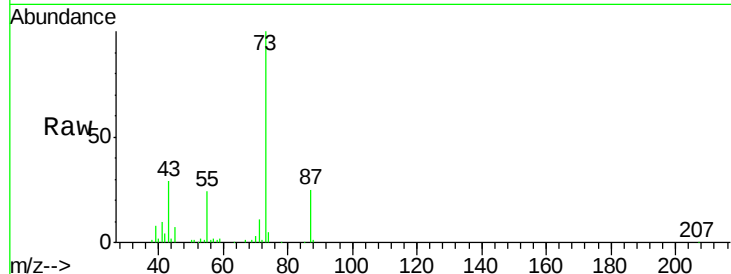
Tert-Amvl methvl ether
Concen: 1.942 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.3	19.4	29.0
71	11.3	9.0	13.4

Manual Integrations
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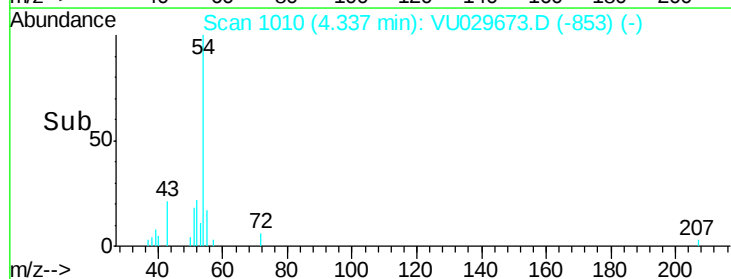
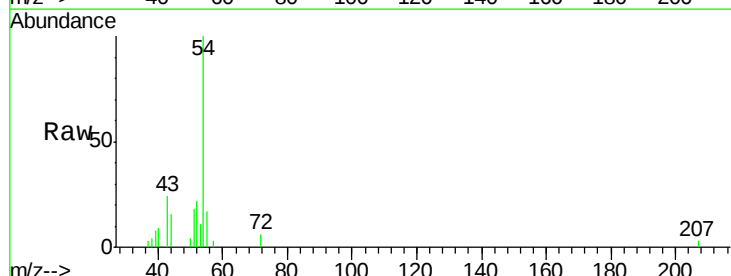
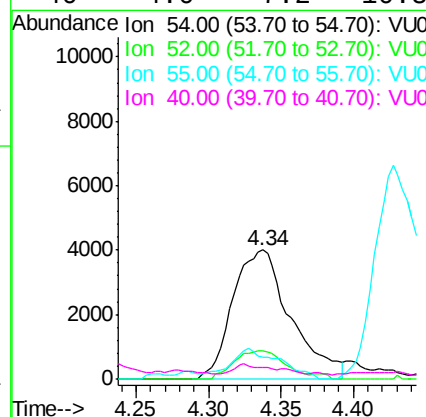
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3/5/2019 9:31:45 AM

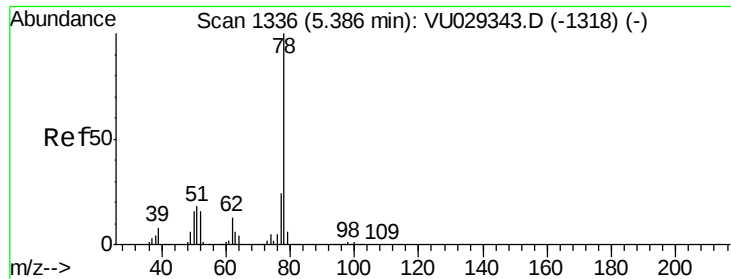


#34

Propionitrile
Concen: 10.038 ug/l
RT: 4.34 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.8	18.9	28.3#
55	20.5	15.1	22.7
40	4.0	7.2	10.8#





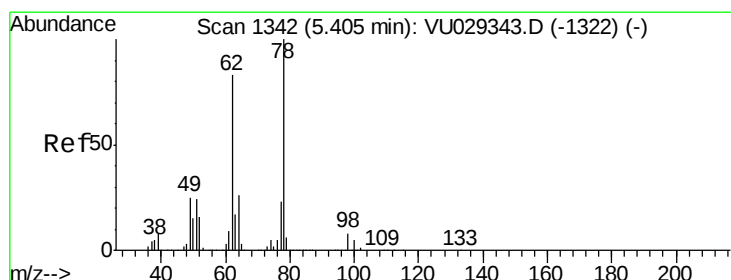
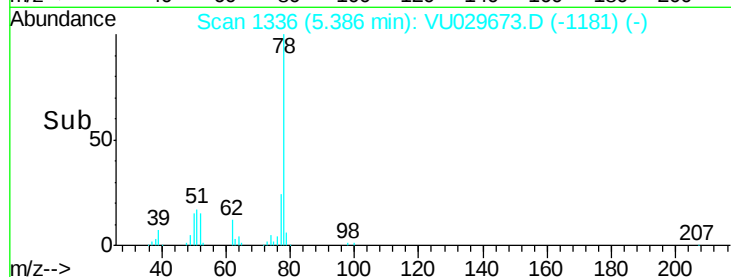
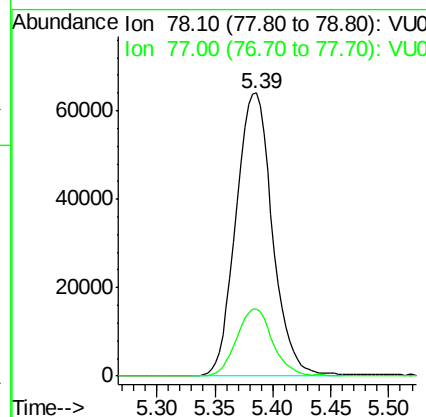
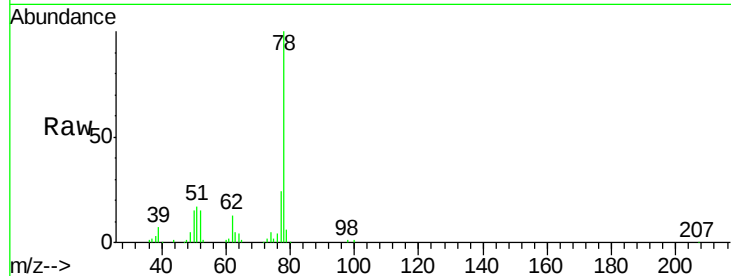
#35
Benzene
Concen: 2.093 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.8

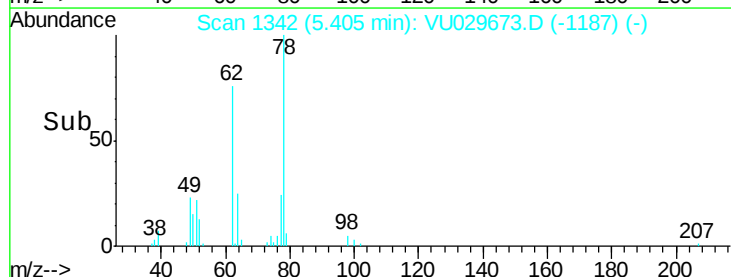
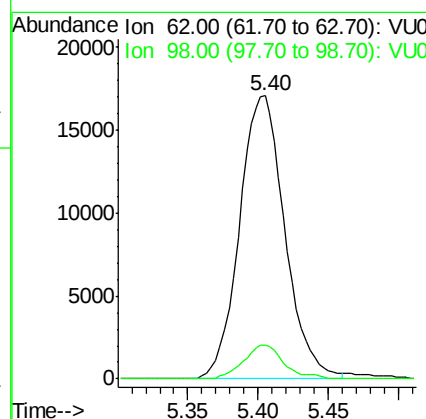
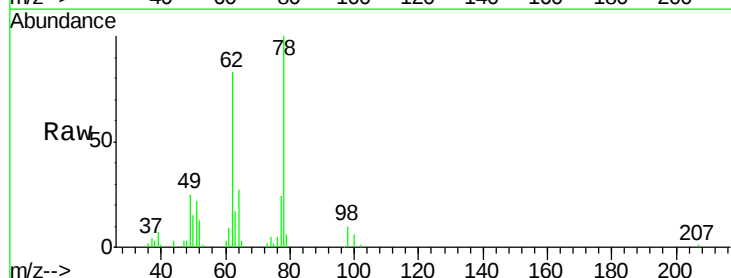
Manual Integrations
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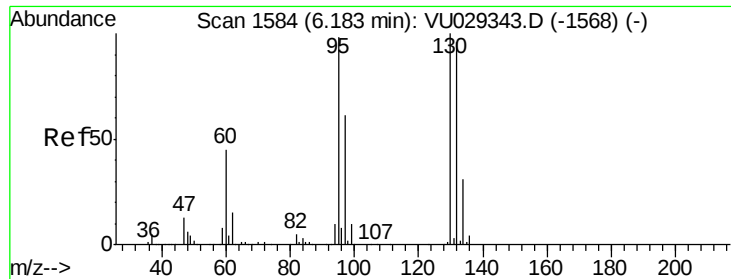
MMDadoda
3/5/2019 9:31:45 AM



#36
1,2-Dichloroethane
Concen: 1.896 ug/l
RT: 5.40 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	4.9	7.3





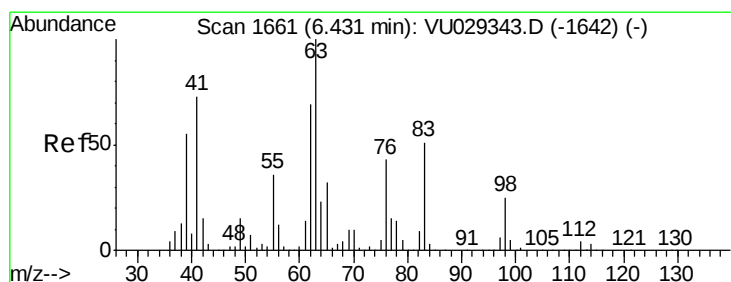
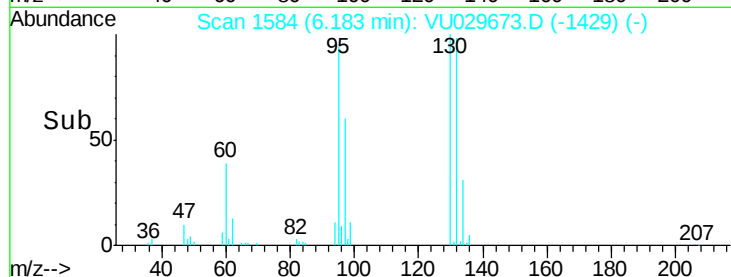
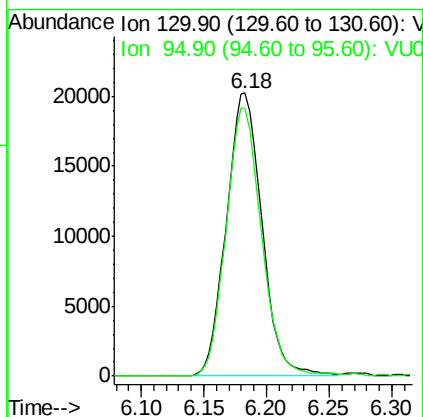
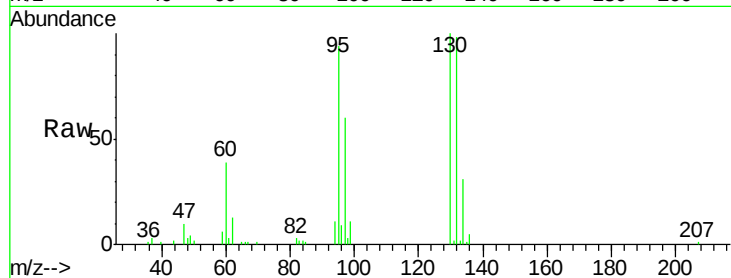
#37
 Trichloroethene
 Concen: 2.091 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion:130 Resp: 40058
 Ion Ratio Lower Upper
 130 100
 95 94.5 85.4 128.0

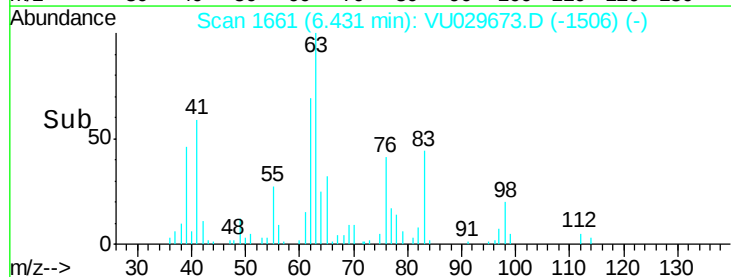
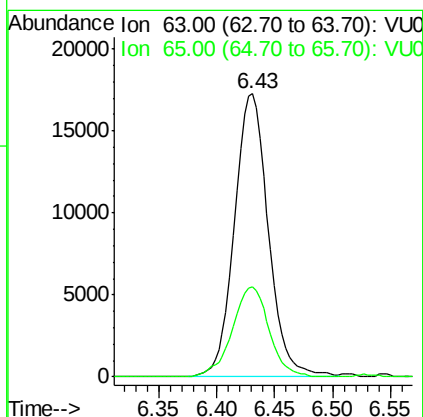
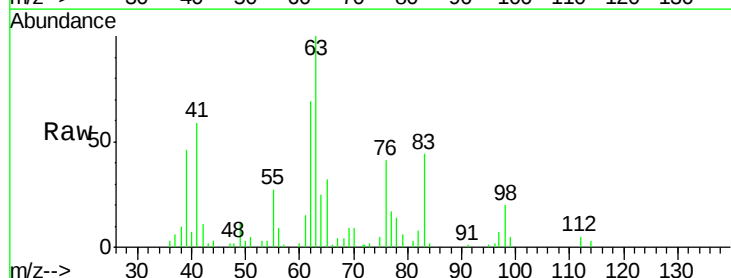
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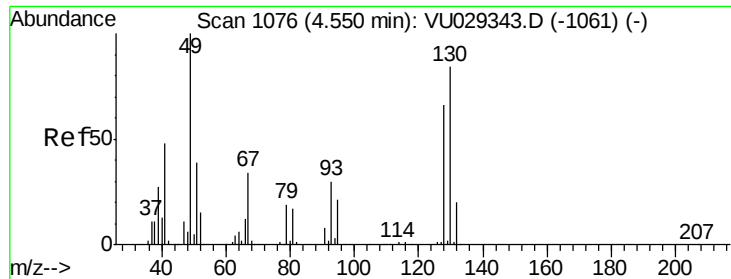
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#38
 1,2-Dichloropropane
 Concen: 2.018 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion: 63 Resp: 35041
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.5 38.3





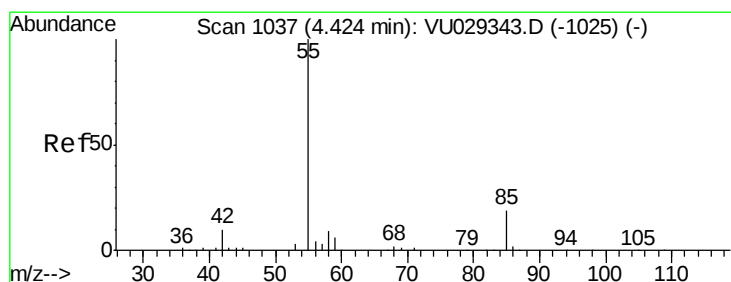
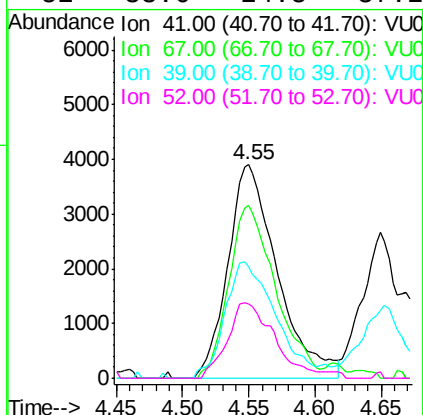
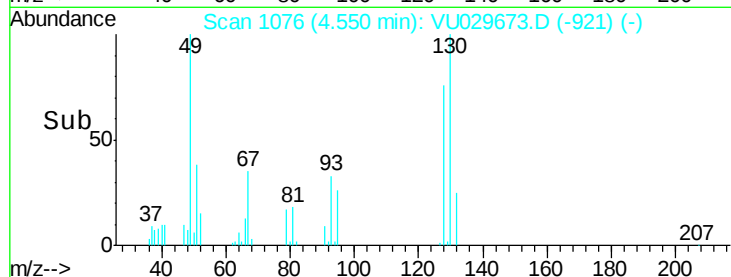
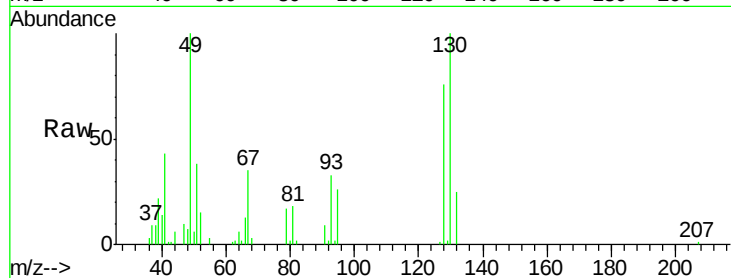
#39
Methacrylonitrile
Concen: 1.787 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
67	77.1	50.1	75.1#
39	55.2	47.9	71.9
52	33.6	24.8	37.2

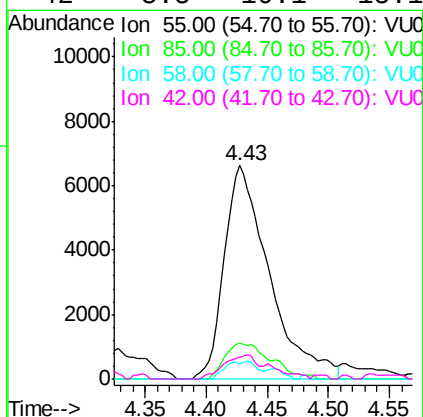
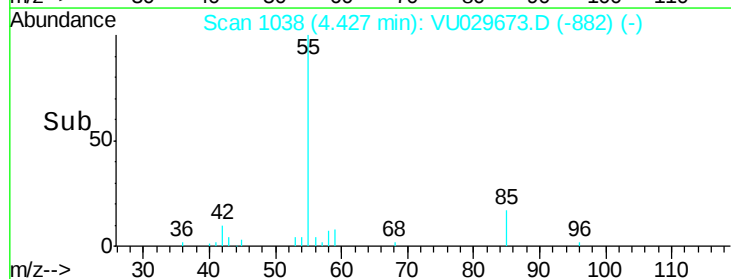
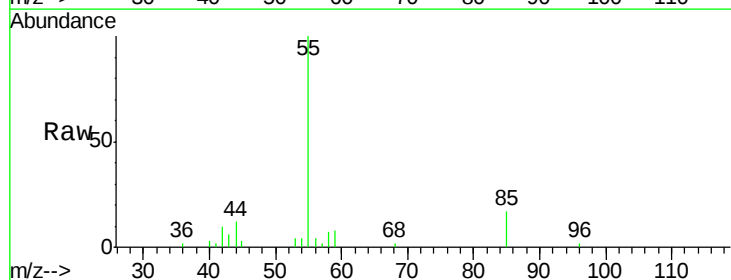
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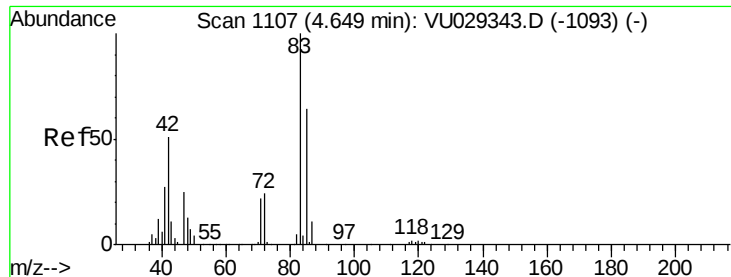
MMDadoda
3/5/2019 9:31:45 AM



#40
Methyl acrylate
Concen: 1.998 ug/l
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.3	11.3	16.9#
58	3.0	6.2	9.4#
42	8.5	10.1	15.1#





#41

Tetrahydrofuran

Concen: 3.656 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

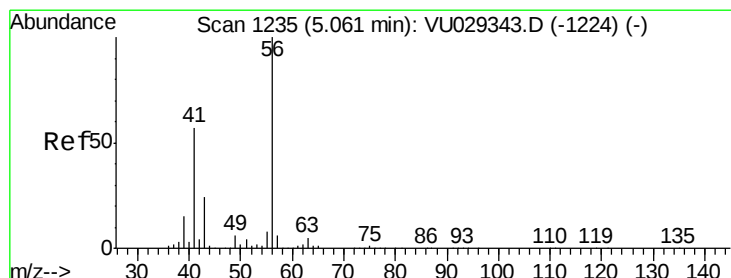
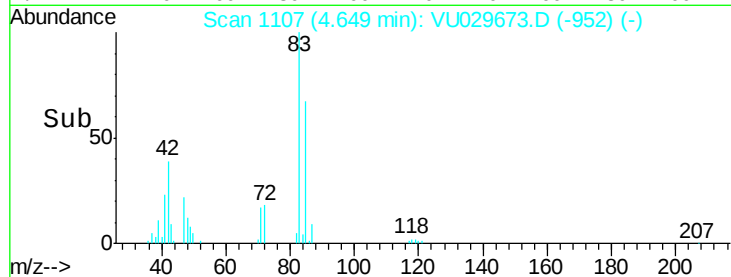
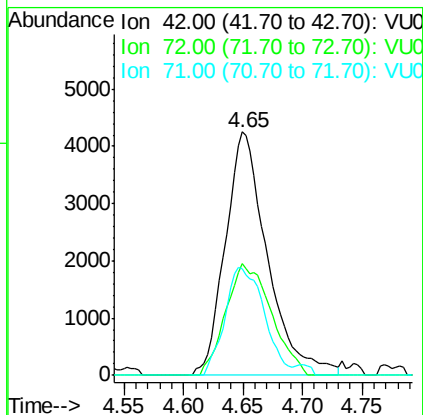
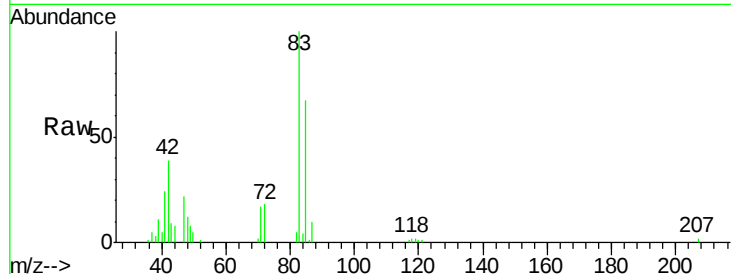
ClientSampleId :

VU0226WBS01

Tot Ion:	42	Resp:	10420
Ion	Ratio	Lower	Upper
42	100		
72	49.4	33.1	49.7
71	41.3	30.2	45.2

Manual Integrations
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3/5/2019 9:31:45 AM



#42

1-Chlorobutane

Concen: 1.909 ug/l

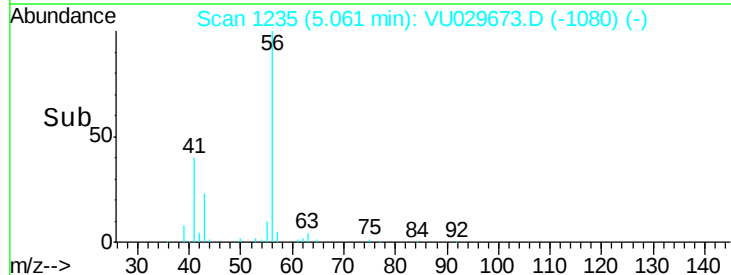
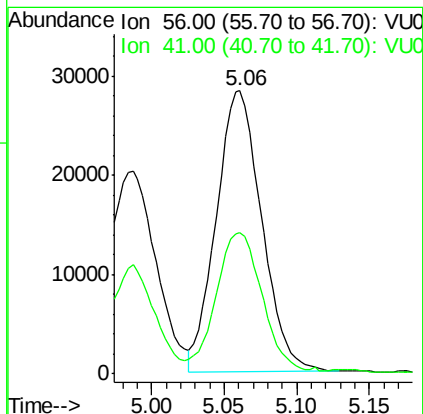
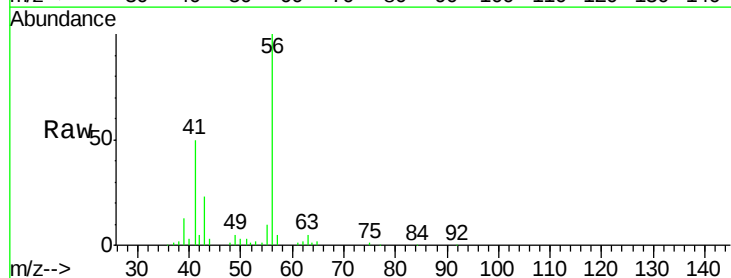
RT: 5.06 min Scan# 1235

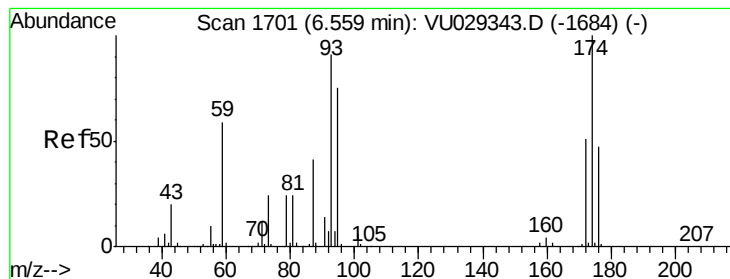
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	56	Resp:	61747
Ion	Ratio	Lower	Upper
56	100		
41	51.0	31.3	93.8





#43

Dibromomethane

Concen: 2.036 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

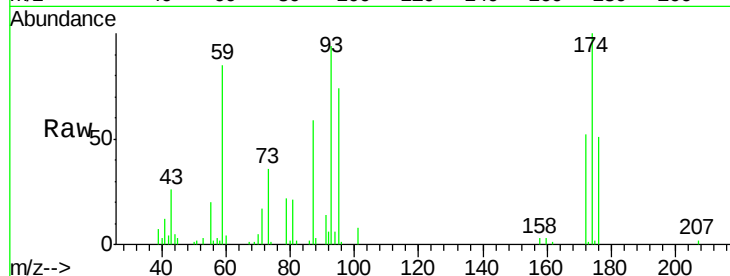
ClientSampleId :

VU0226WBS01

Tot Ion:	93	Resp:	18839
Ion	Ratio	Lower	Upper
93	100		
95	79.5	68.2	102.2
174	110.8	77.6	116.4

Manual Integrations
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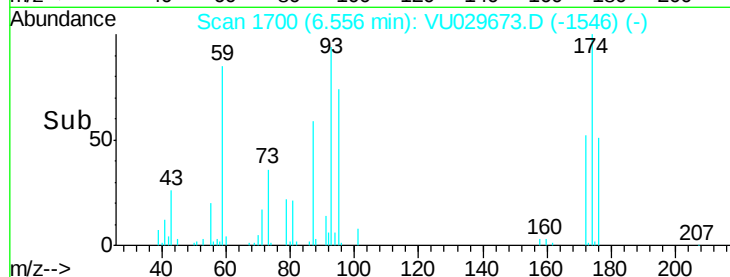


Abundance Ion 93.00 (92.70 to 93.70): VU029673.D (-1546) (-)

Ion 95.00 (94.70 to 95.70): VU029673.D (-1546) (-)

Ion 174.00 (173.70 to 174.70): VU029673.D (-1546) (-)

Time-->



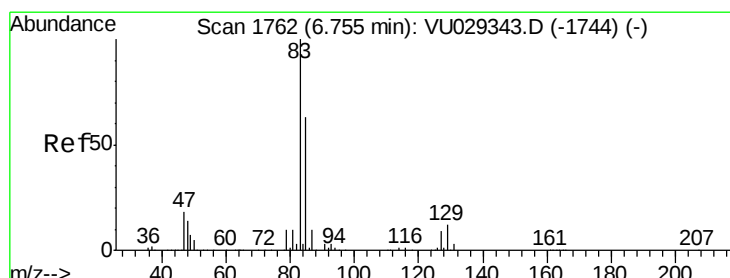
Abundance

Ion 93.00 (92.70 to 93.70): VU029673.D (-1546) (-)

Ion 95.00 (94.70 to 95.70): VU029673.D (-1546) (-)

Ion 174.00 (173.70 to 174.70): VU029673.D (-1546) (-)

Time-->



#44

Bromodichloromethane

Concen: 1.859 ug/l

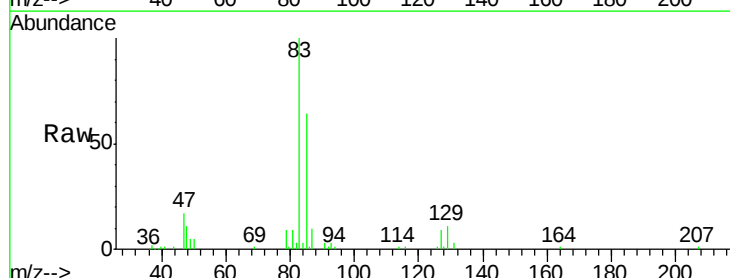
RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	83	Resp:	43832
Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.2	73.8
127	8.6	7.0	10.6

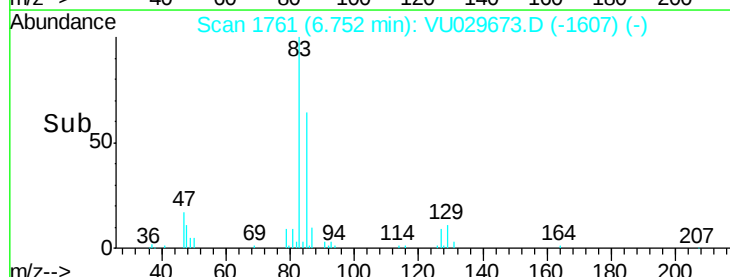


Abundance Ion 83.00 (82.70 to 83.70): VU029673.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VU029673.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VU029673.D (-1607) (-)

Time-->



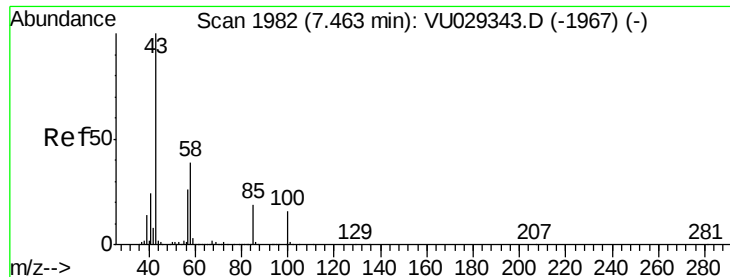
Abundance

Ion 83.00 (82.70 to 83.70): VU029673.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VU029673.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VU029673.D (-1607) (-)

Time-->



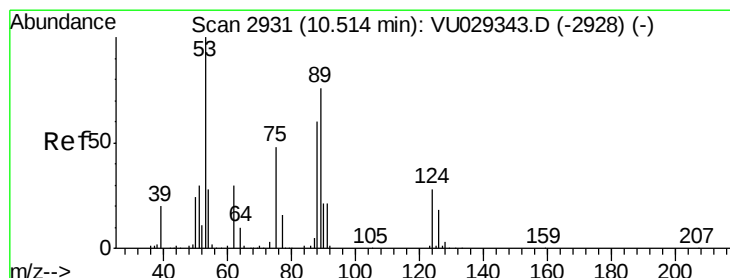
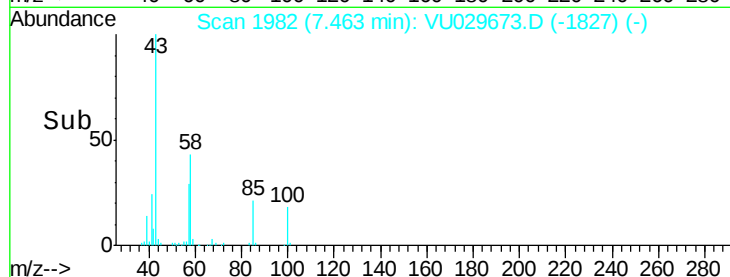
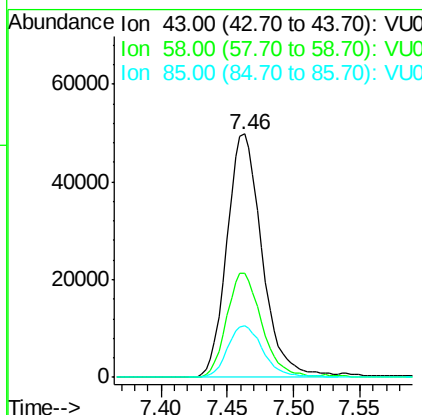
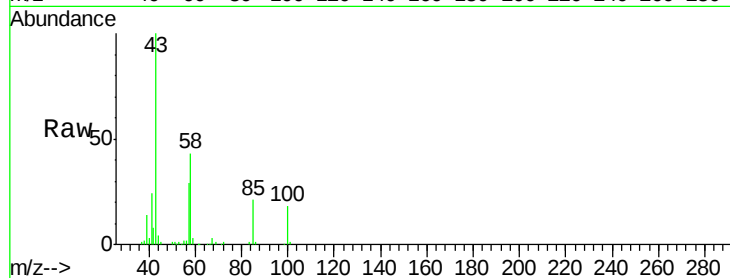
#45
4-Methyl-2-Pentanone
Concen: 8.504 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.5	17.6	52.8
85	21.5	12.3	18.5#

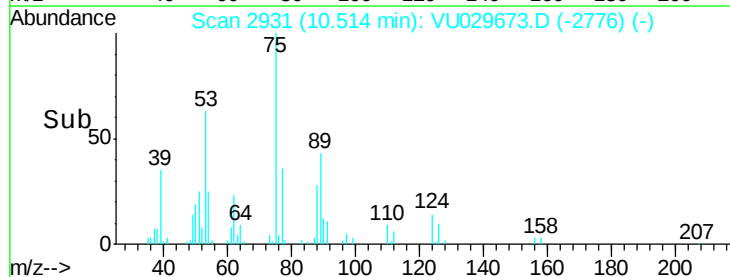
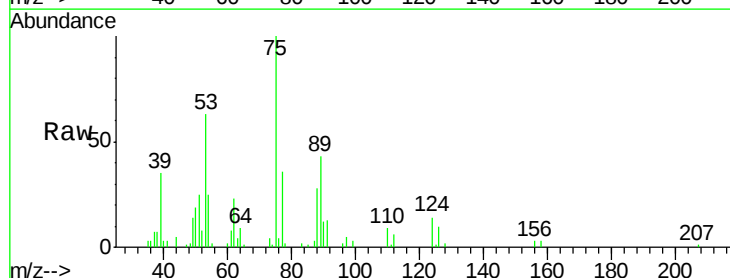
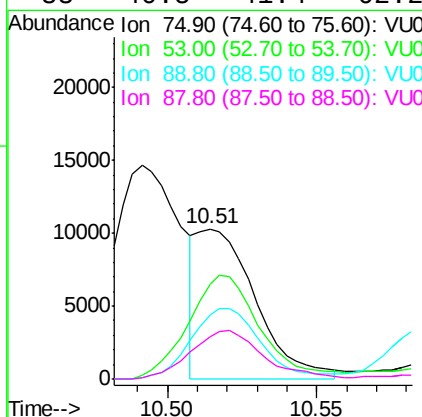
Manual Integrations
APPROVED

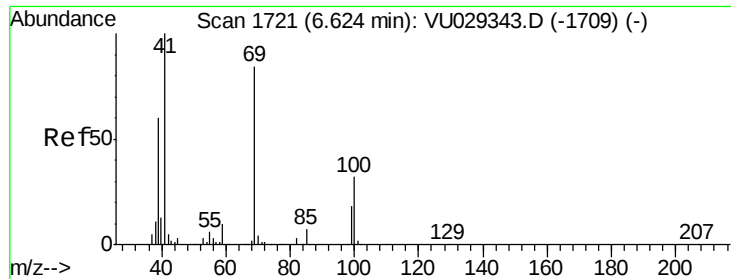
MMDadoda
3/5/2019 9:31:45 AM



#46
t-1,4-Dichloro-2-butene
Concen: 2.621 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.9	78.2	117.4
89	56.0	44.2	66.4
88	40.5	41.4	62.2#





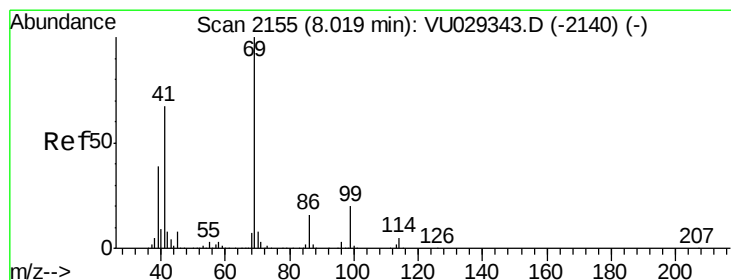
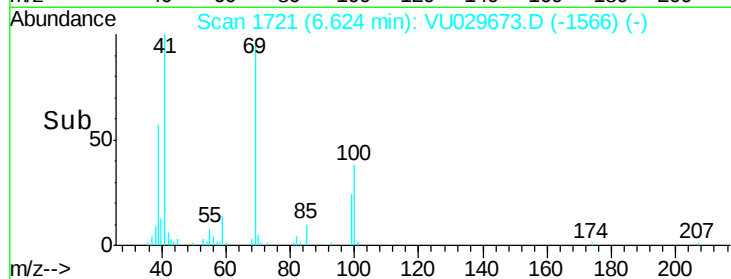
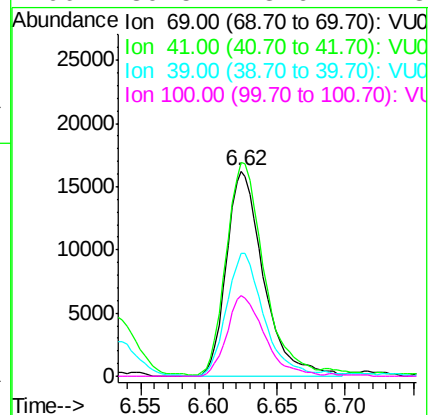
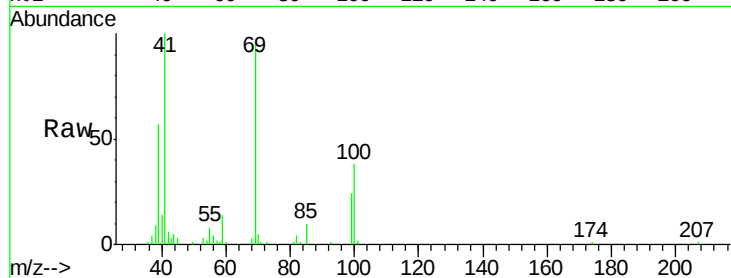
#47
Methvl methacrylate
Concen: 3.774 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	104.2	0.0	296.2
39	59.9	71.2	106.8
100	39.5	28.6	42.8

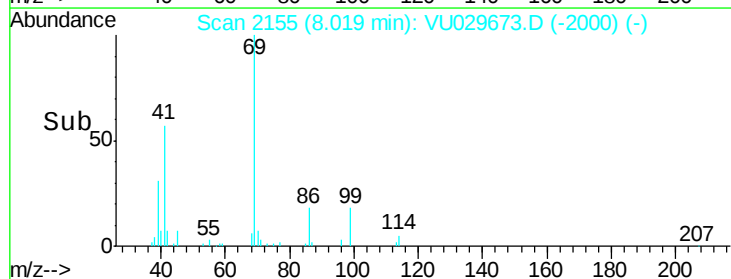
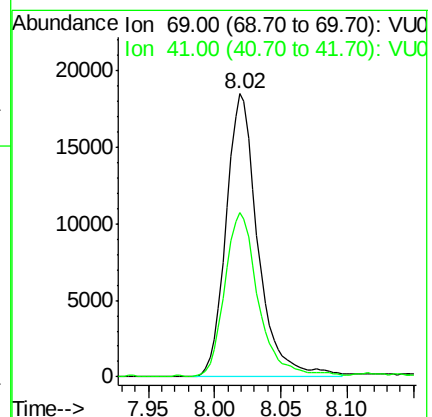
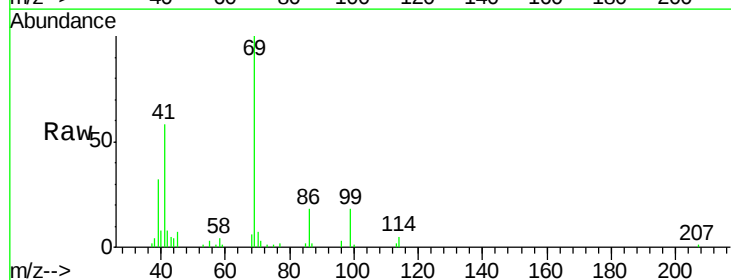
Manual Integrations
APPROVED

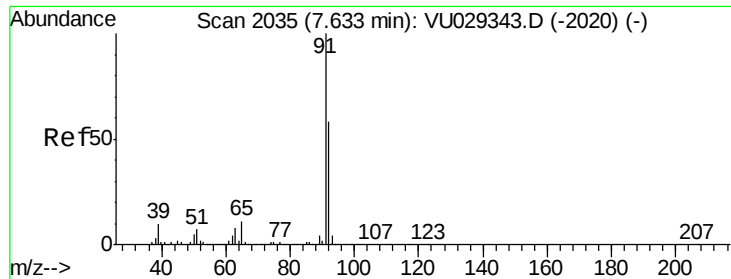
MMDadoda
3/5/2019 9:31:45 AM



#48
Ethyl methacrylate
Concen: 1.770 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.4	39.9	119.7





#49

Toluene

Concen: 2.038 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 92 Resp: 87059

Ion Ratio Lower Upper

92 100

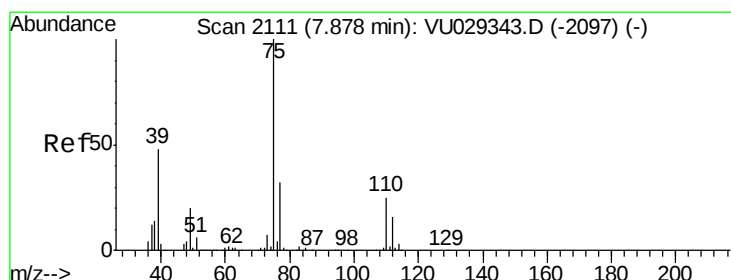
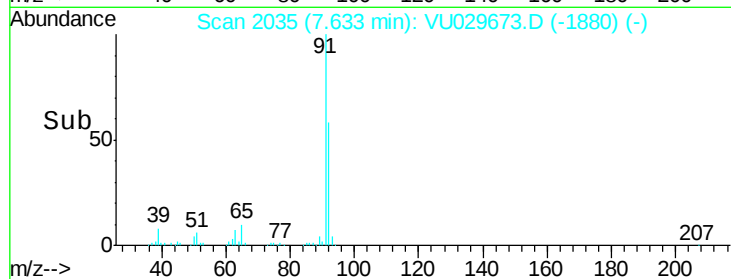
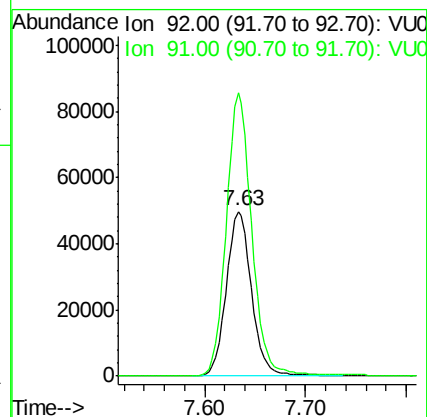
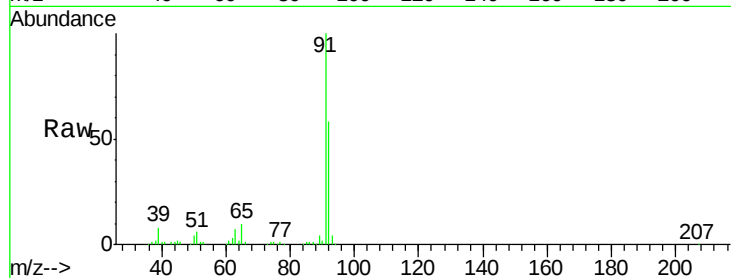
91 174.0 140.7 211.1

Manual Integrations

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3/5/2019 9:31:45 AM



#50

t-1,3-Dichloropropene

Concen: 1.671 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029673.D

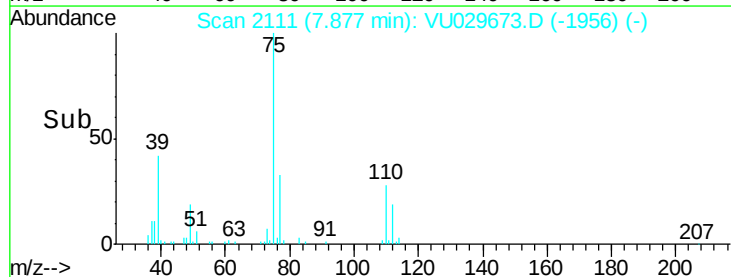
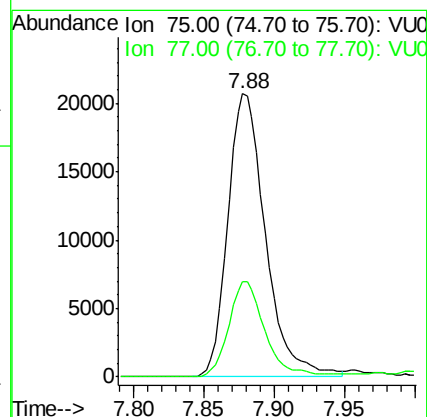
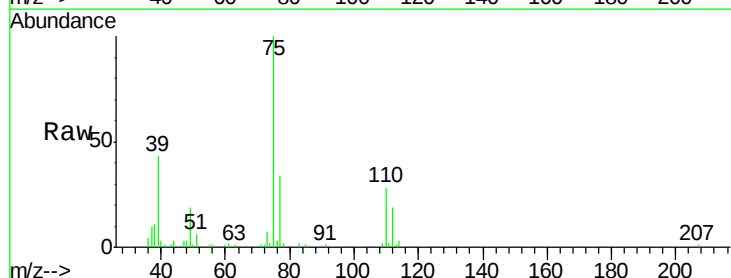
Acq: 26 Feb 2019 11:14

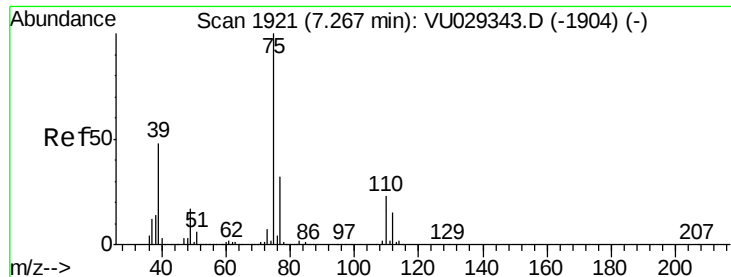
Tgt Ion: 75 Resp: 38617

Ion Ratio Lower Upper

75 100

77 33.6 23.6 35.4





#51

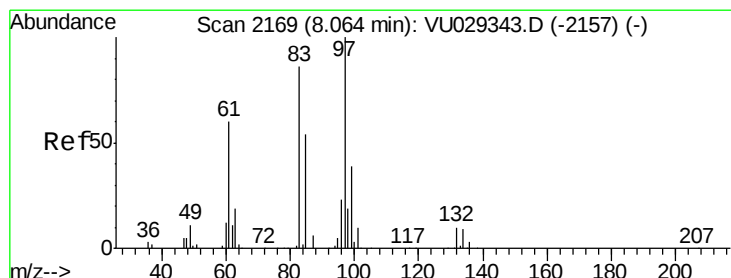
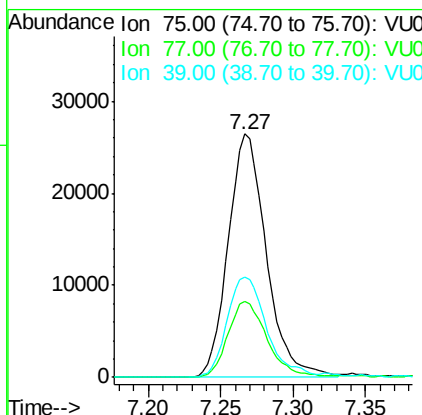
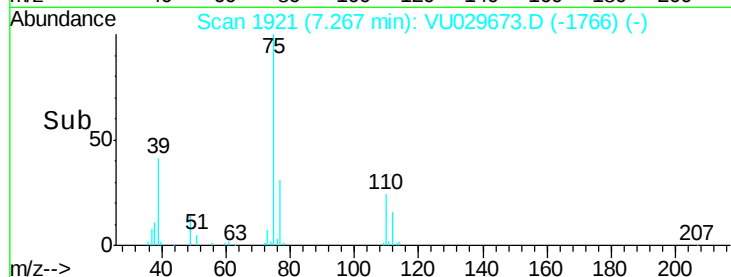
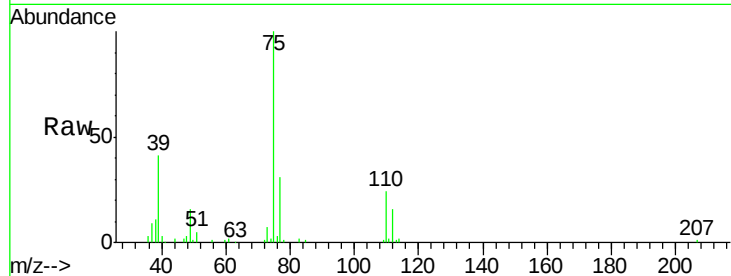
cis-1,3-Dichloropropene
Concen: 1.760 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.9	37.3
39	41.2	47.2	70.8#

Manual Integrations
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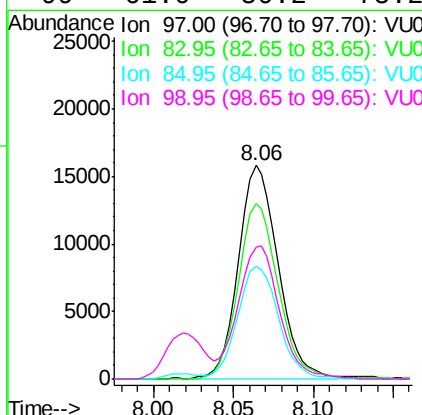
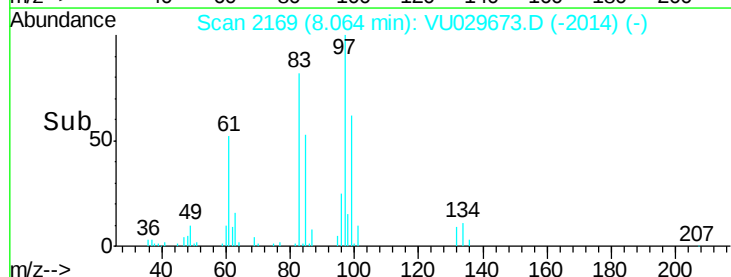
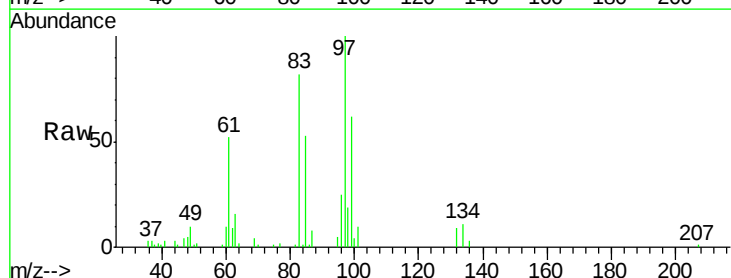
MMDadoda
3/5/2019 9:31:45 AM

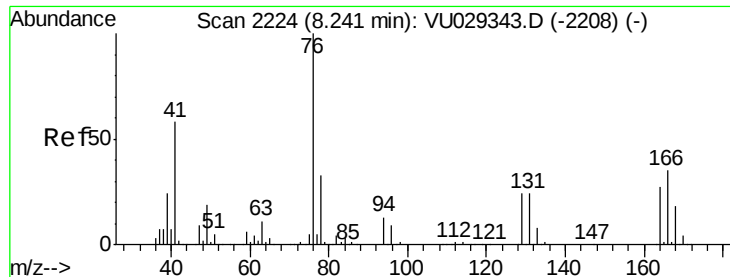


#52

1,1,2-Trichloroethane
Concen: 2.184 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.9	104.9
85	52.0	45.8	68.6
99	61.0	50.2	75.2





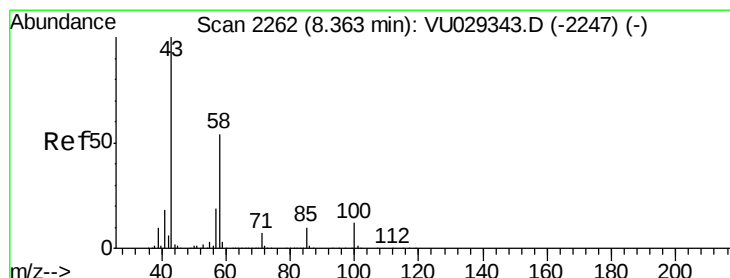
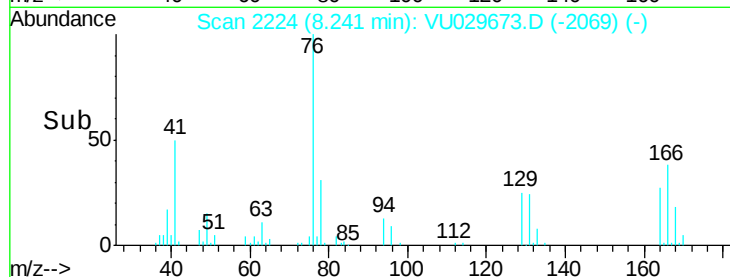
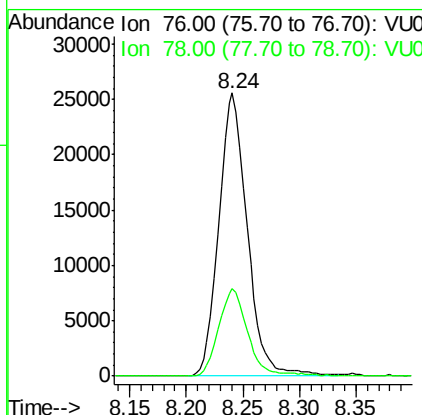
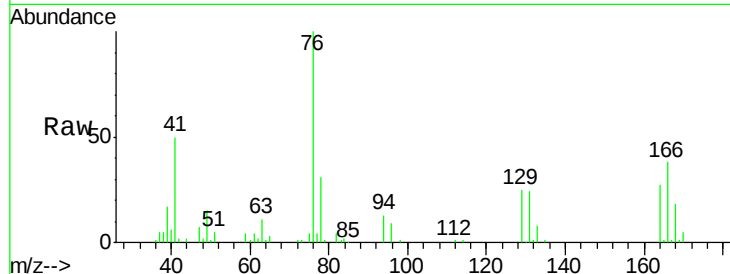
#53
 1,3-Dichloropropane
 Concen: 2.083 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

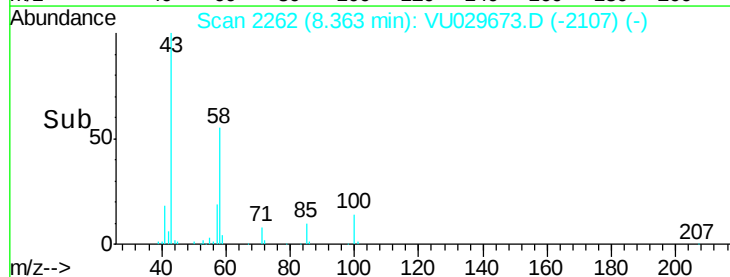
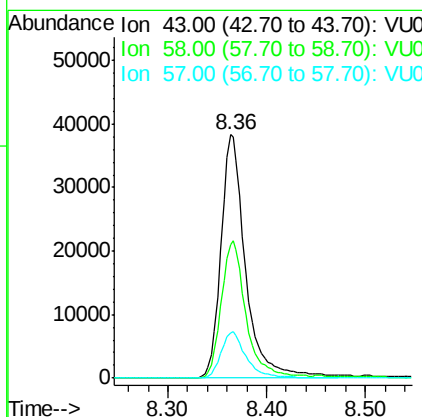
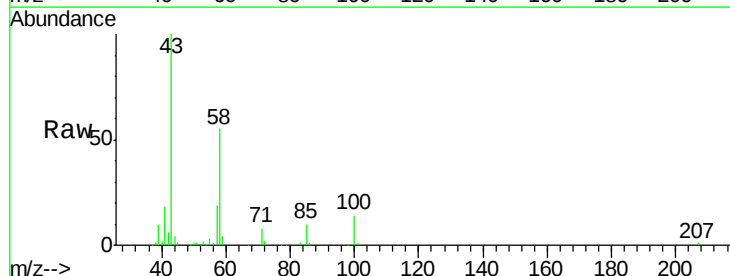
Manual Integrations
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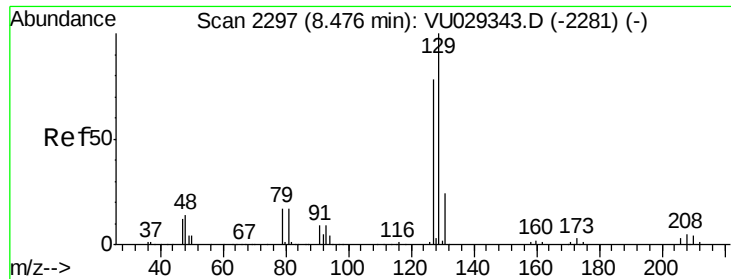
MMDadoda
 3/5/2019 9:31:45 AM



#54
 2-Hexanone
 Concen: 8.875 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.7	26.0	66.0
57	18.9	0.0	37.7





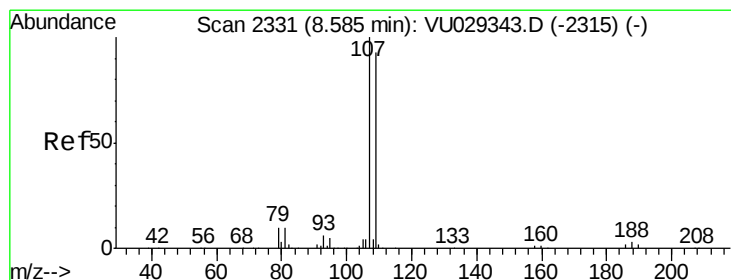
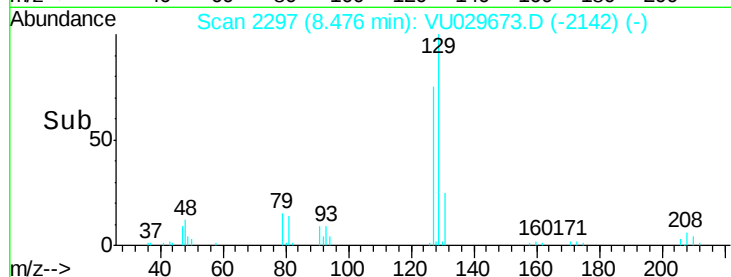
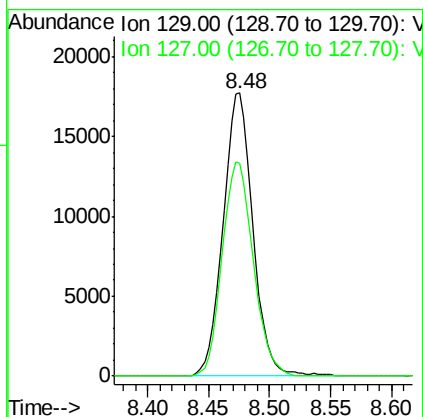
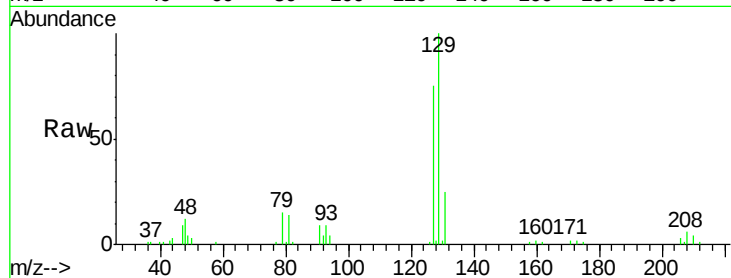
#55
 Dibromochloromethane
 Concen: 1.748 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		30439		
127	78.8		60.5	90.7	

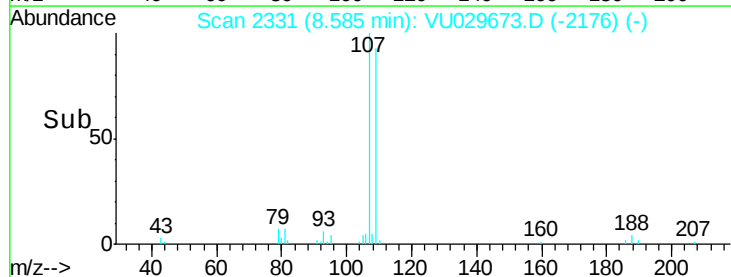
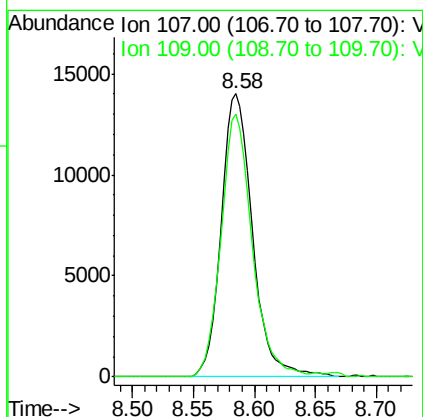
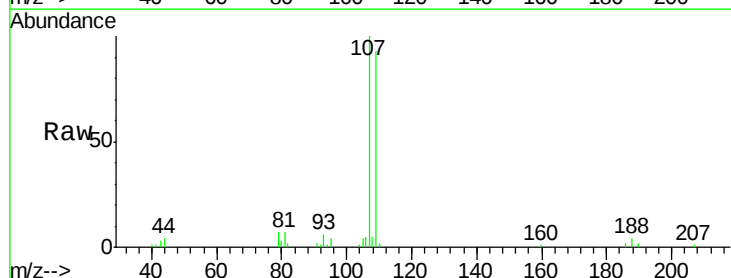
Manual Integrations
 APPROVED

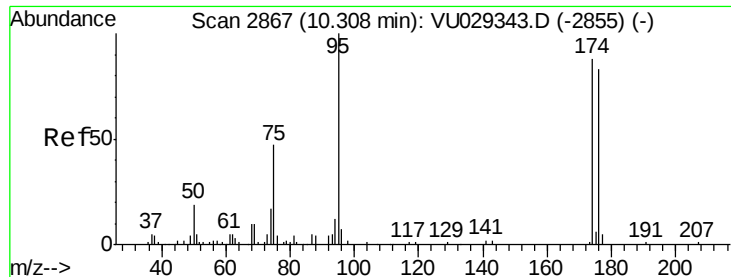
MMDadoda
 3/5/2019 9:31:45 AM



#56
 1,2-Dibromoethane
 Concen: 2.011 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		25273		
109	92.6		0.0	189.6	





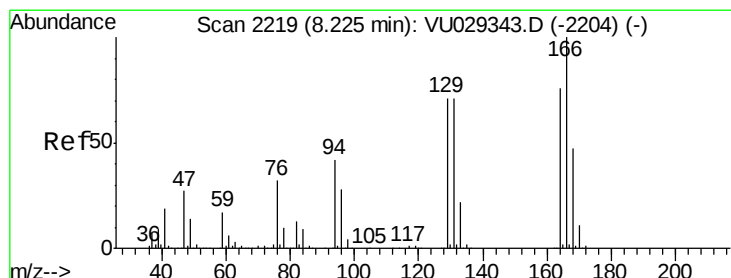
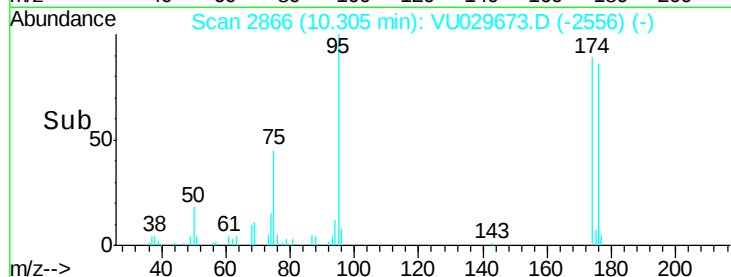
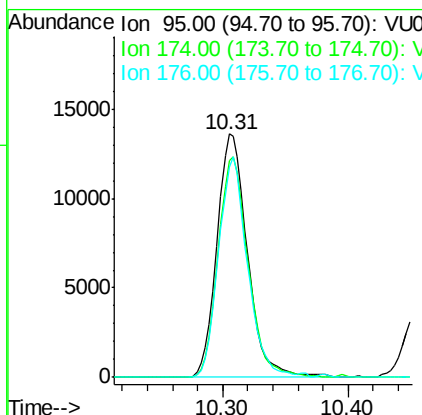
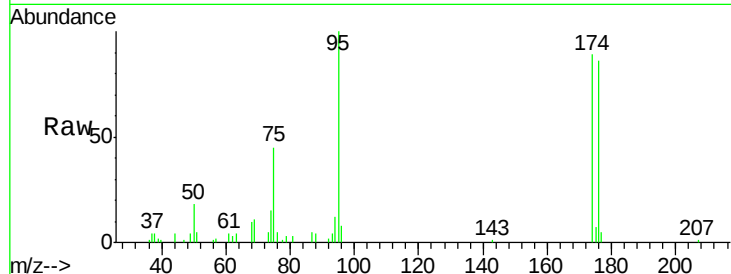
#57
4-Bromofluorobenzene
Concen: 2.011 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	64.2	96.2
176	85.7	62.3	93.5

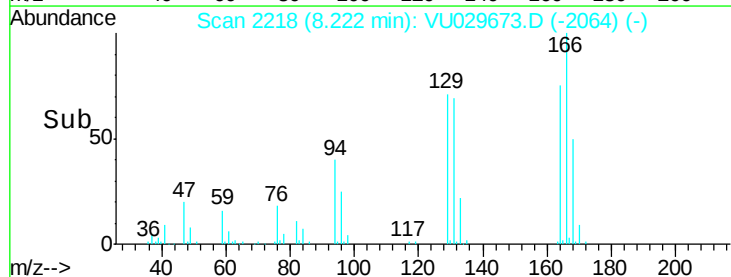
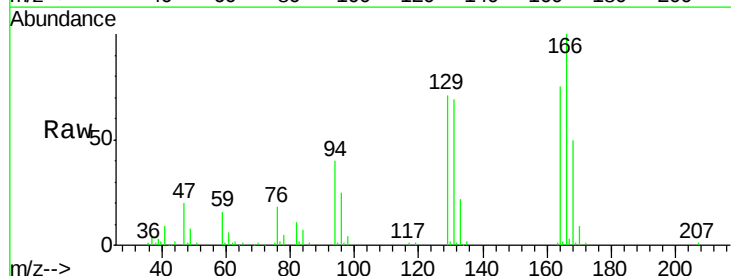
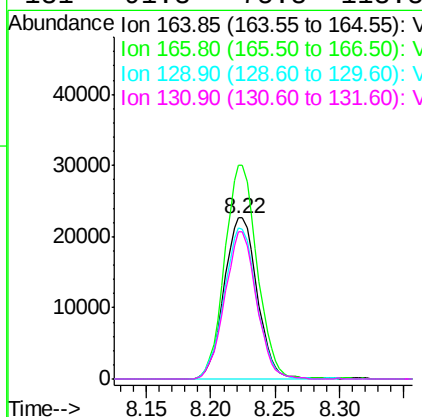
Manual Integrations
APPROVED

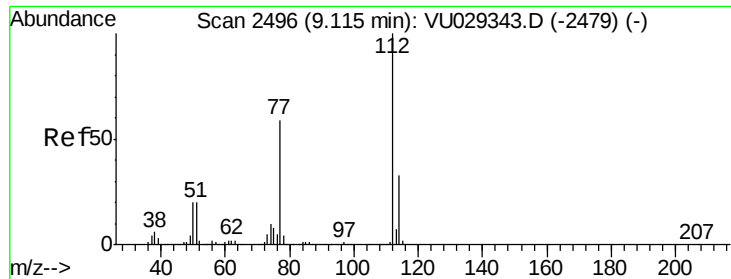
MMDadoda
3/5/2019 9:31:45 AM



#58
Tetrachloroethene
Concen: 2.258 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	106.6	159.8
129	94.1	79.9	119.9
131	91.3	75.8	113.8





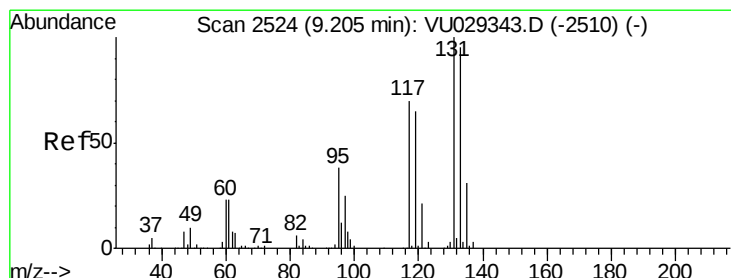
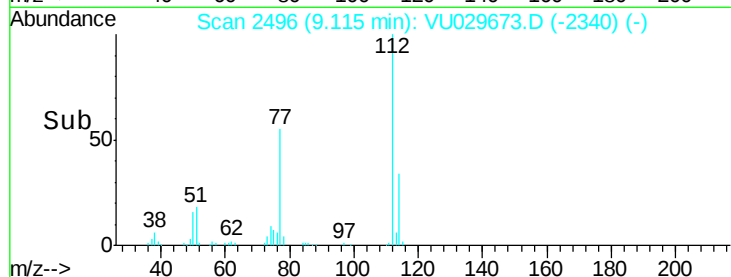
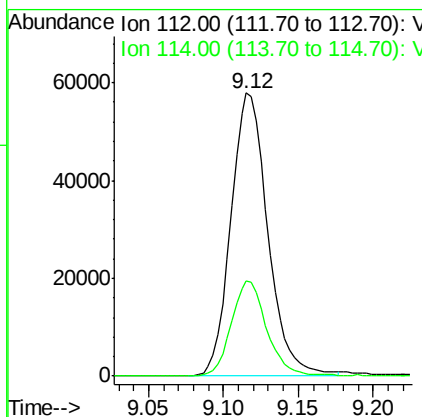
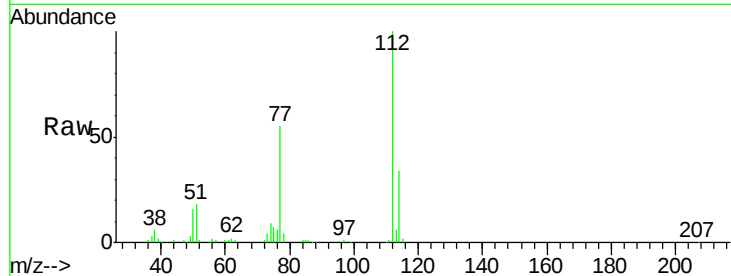
#59
Chlorobenzene
Concen: 2.070 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	26.2	39.4

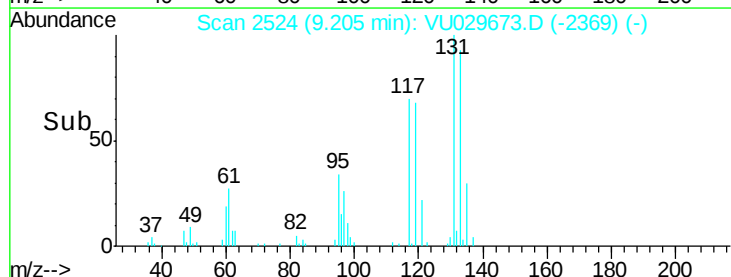
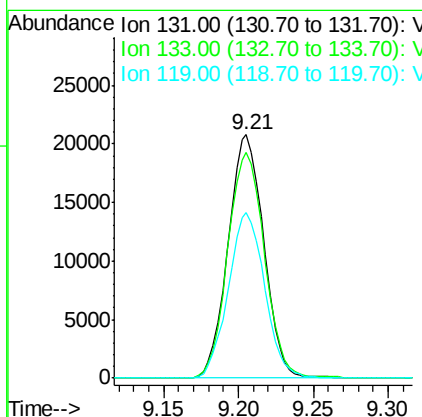
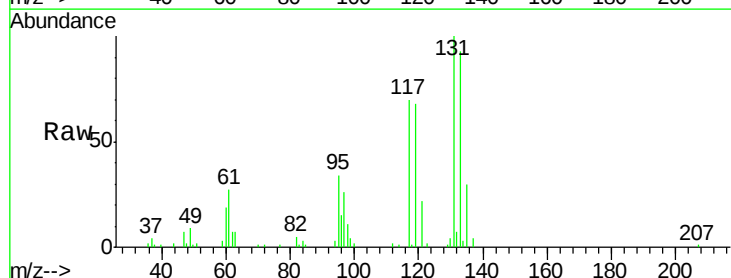
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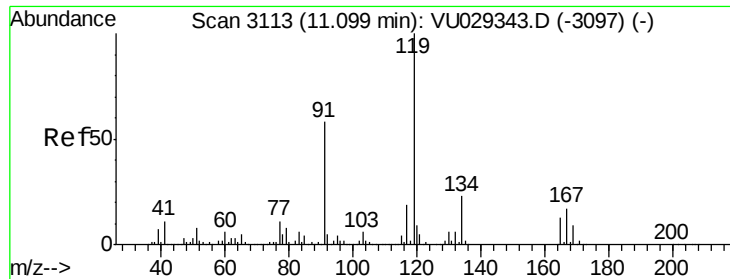
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.941 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	77.3	115.9
119	69.3	48.9	73.3





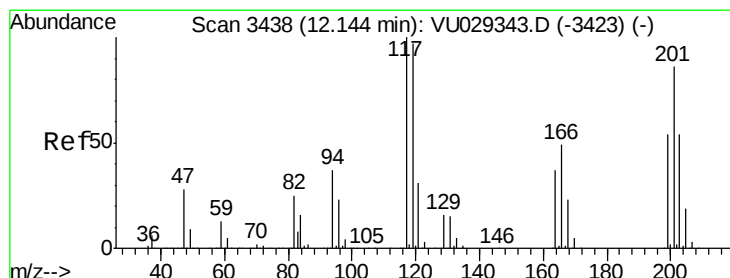
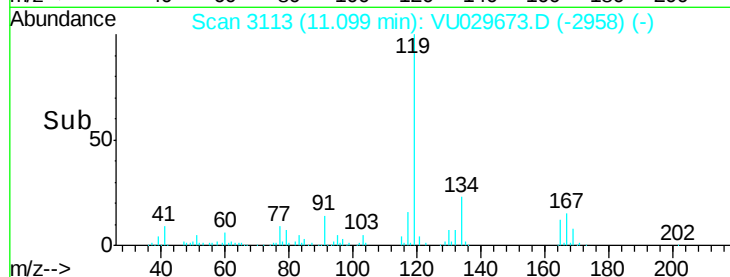
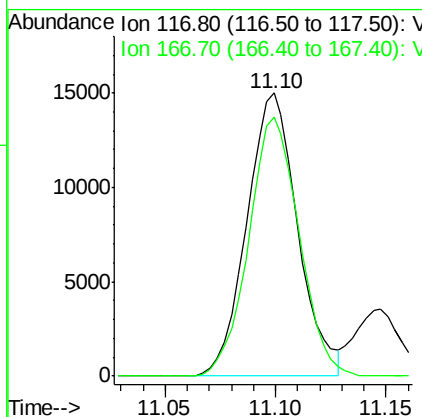
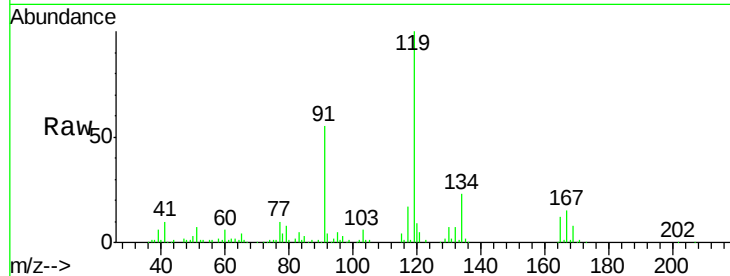
#61
 Pentachloroethane
 Concen: 1.735 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion:117 Resp: 23906
 Ion Ratio Lower Upper
 117 100
 167 90.6 65.9 98.9

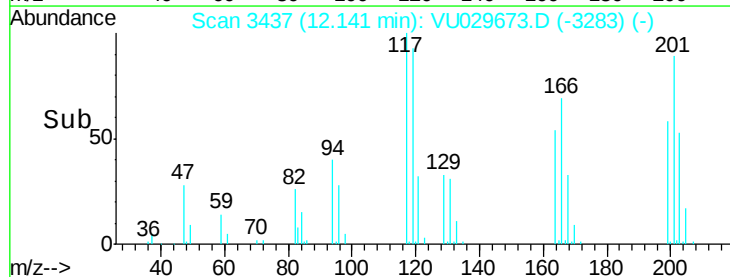
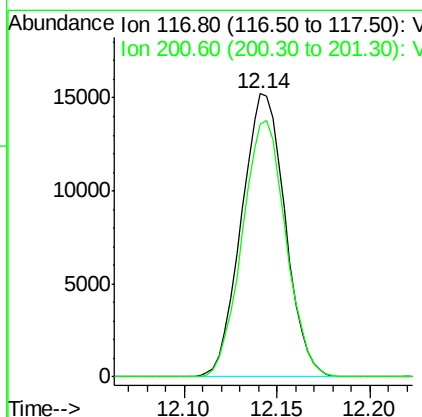
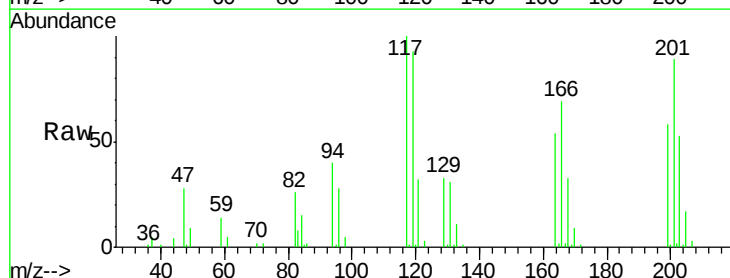
Manual Integrations
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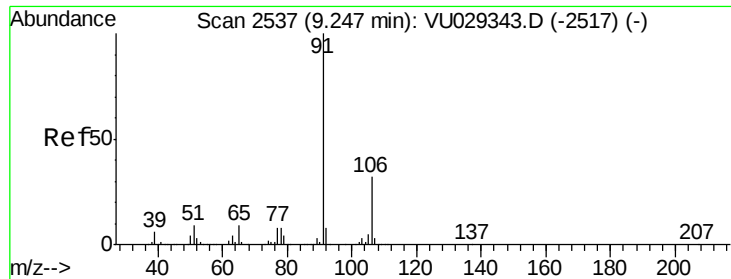
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#62
 Hexachloroethane
 Concen: 1.664 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion:117 Resp: 25032
 Ion Ratio Lower Upper
 117 100
 201 90.0 68.2 102.2





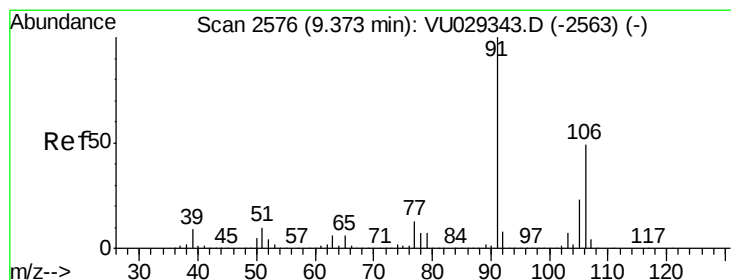
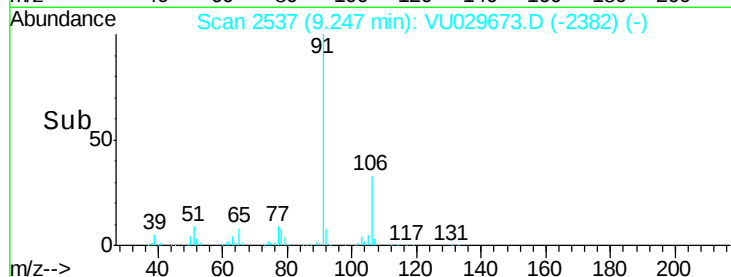
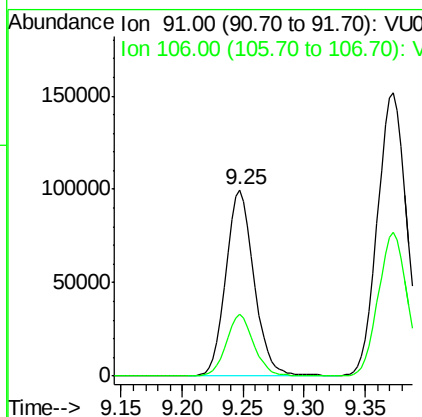
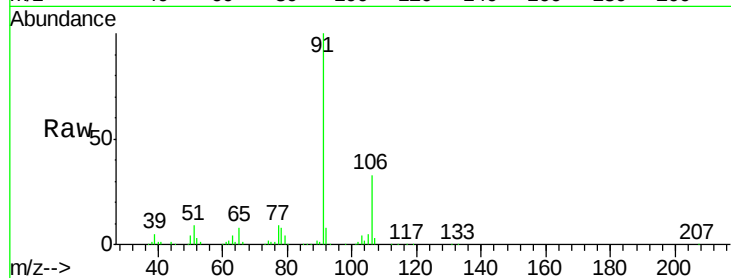
#63
Ethyl Benzene
Concen: 1.942 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion: 91 Resp: 162260
Ion Ratio Lower Upper
91 100
106 33.1 23.8 35.6

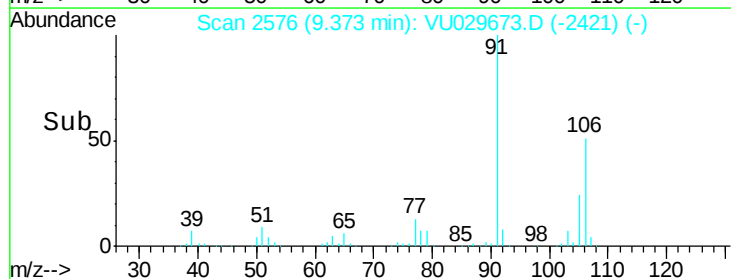
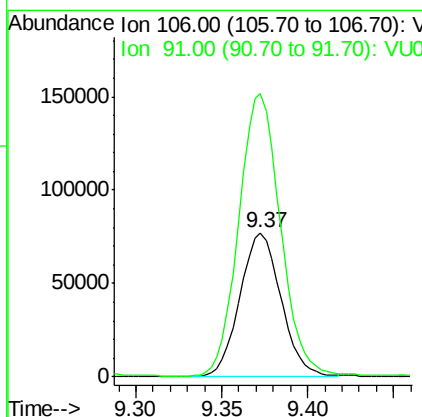
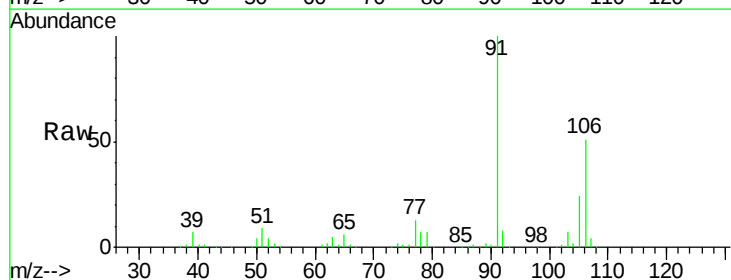
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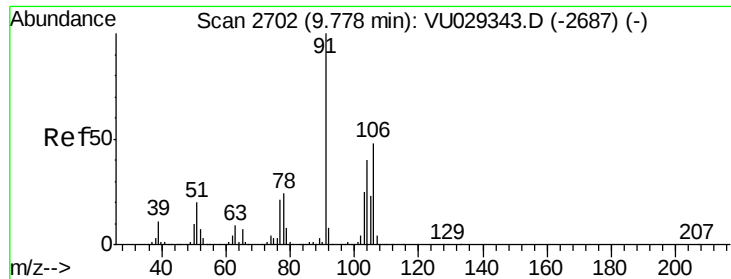
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#64
m/p-Xylenes
Concen: 3.939 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion: 106 Resp: 127938
Ion Ratio Lower Upper
106 100
91 198.8 174.6 261.8





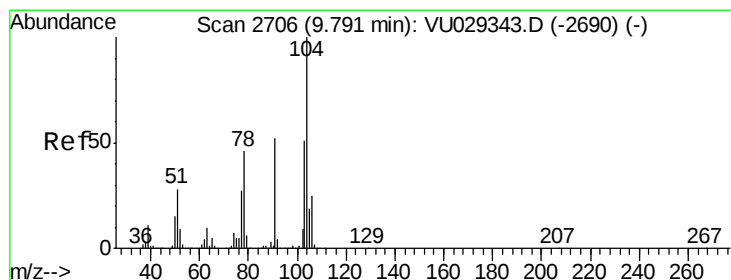
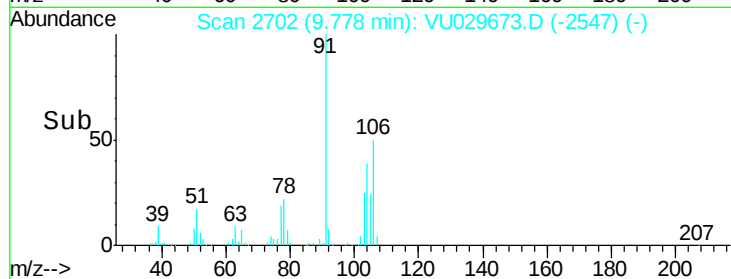
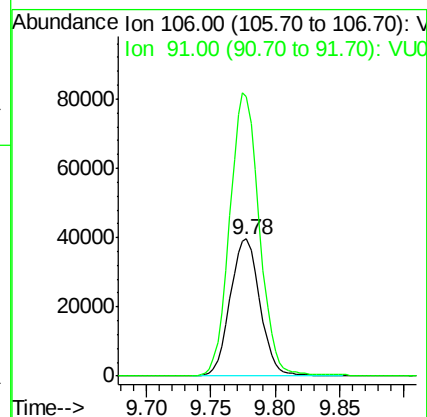
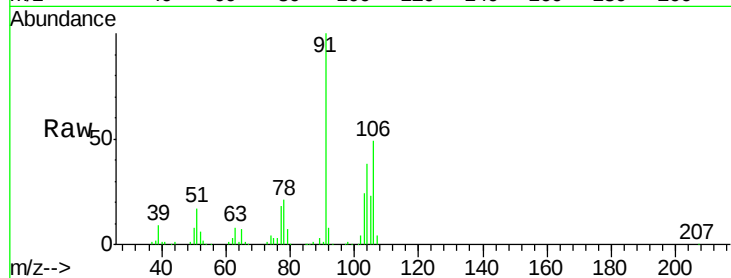
#65
o-Xylene
Concen: 2.001 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion:106 Resp: 63782
Ion Ratio Lower Upper
106 100
91 204.0 114.5 343.4

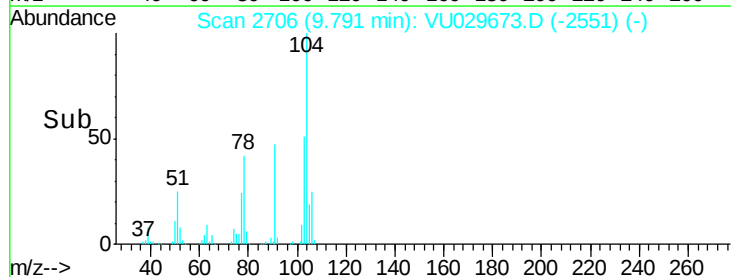
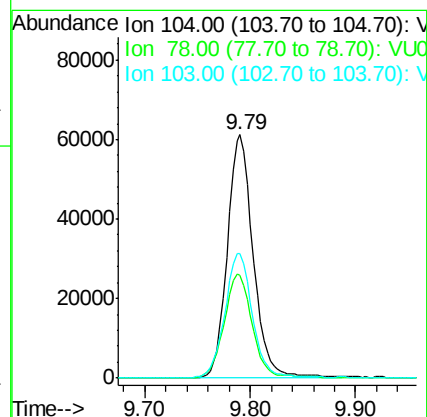
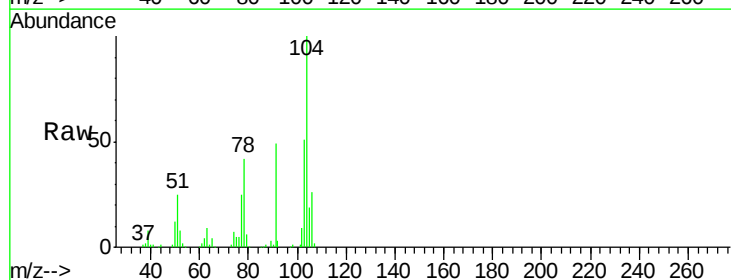
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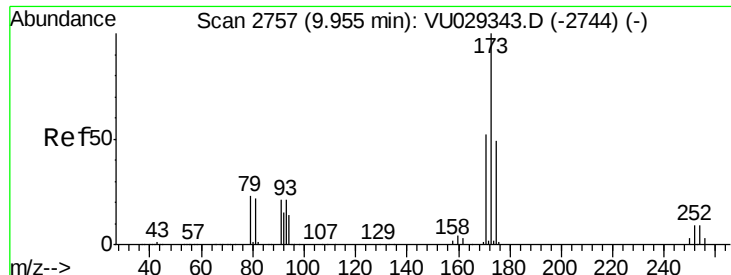
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#66
Styrene
Concen: 1.961 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion:104 Resp: 104193
Ion Ratio Lower Upper
104 100
78 46.7 46.5 69.7
103 54.9 44.7 67.1





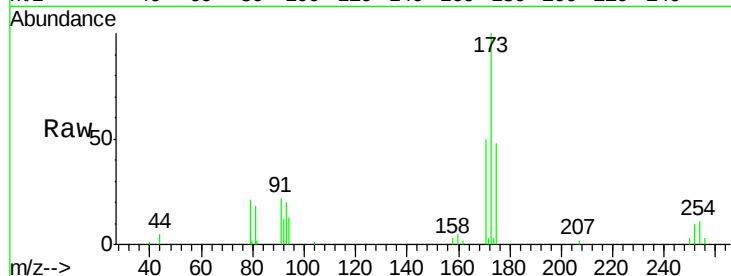
#67
Bromoform
Concen: 1.661 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

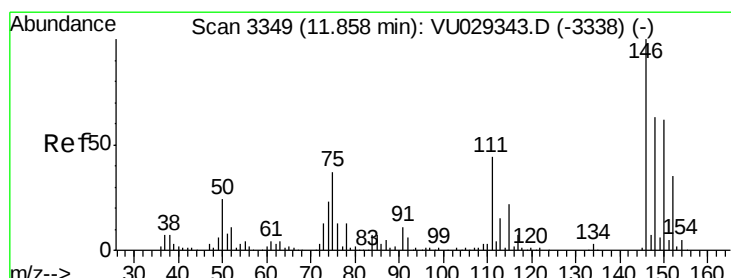
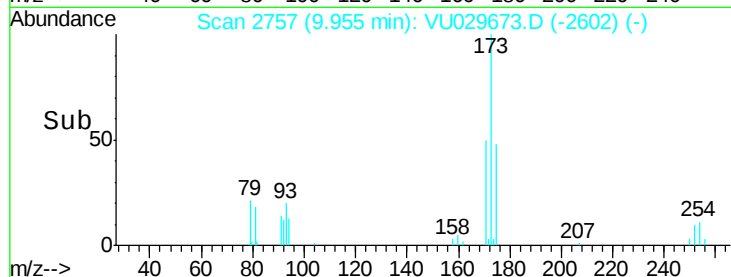
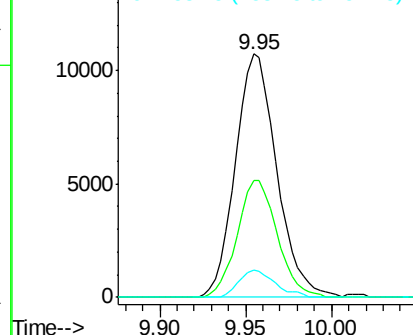
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	38.9	58.3
254	9.7	7.4	11.2

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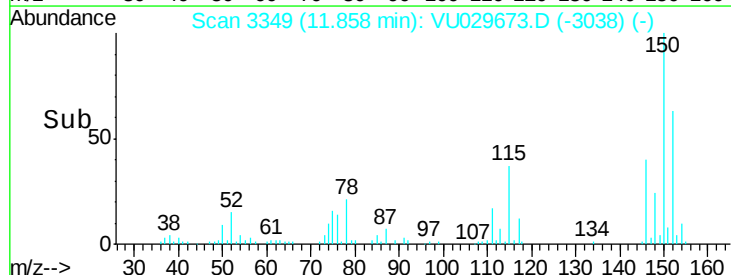
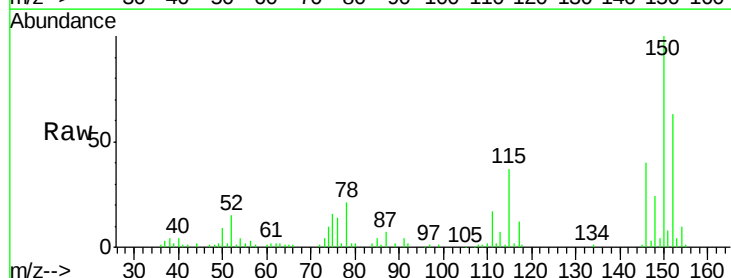
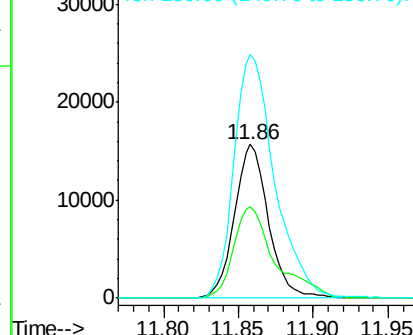
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

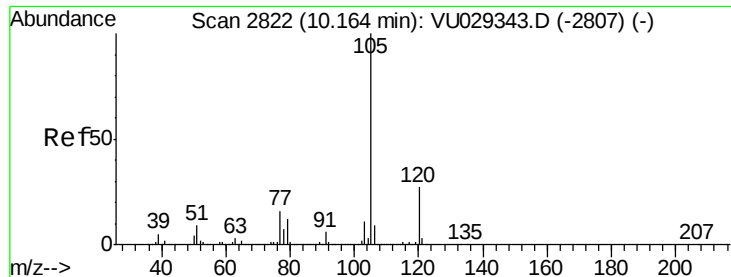


#68
1,2-Dichlorobenzene-d4
Concen: 1.661 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.3	0.0	133.4
150	190.5	0.0	670.8

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: 1.984 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 105 Resp: 168966

Ion Ratio Lower Upper

105 100

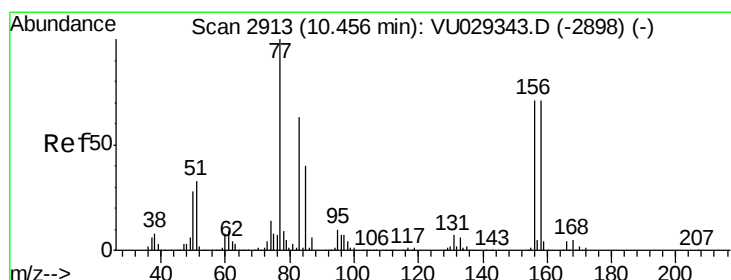
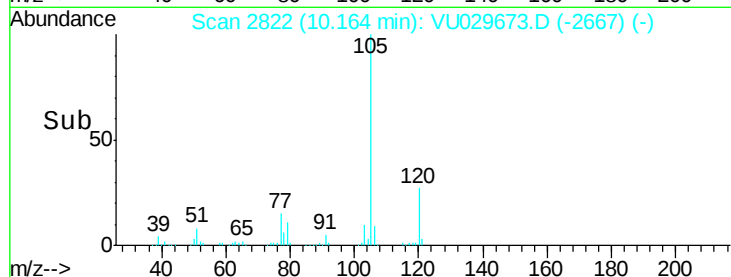
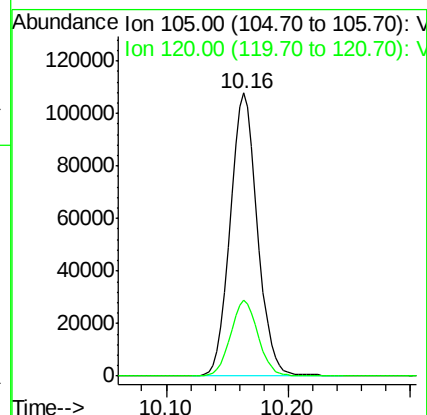
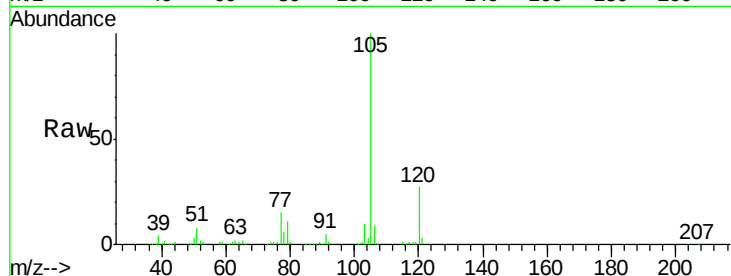
120 27.0 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

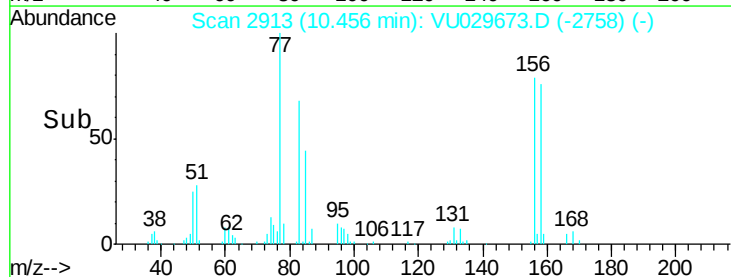
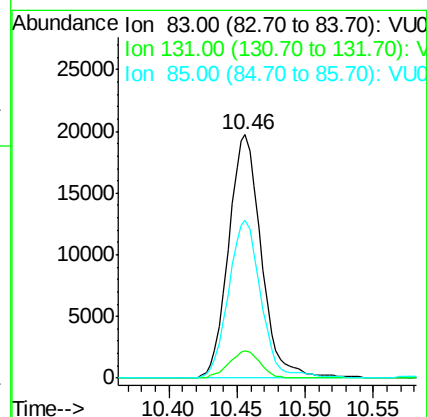
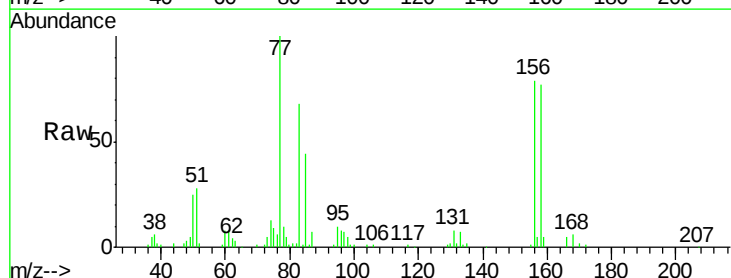
Tgt Ion: 83 Resp: 32799

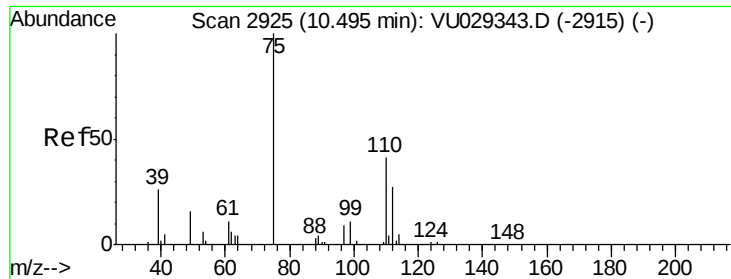
Ion Ratio Lower Upper

83 100

131 10.7 8.1 12.1

85 64.4 50.3 75.5





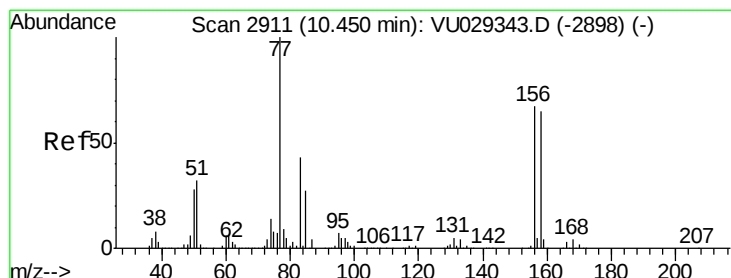
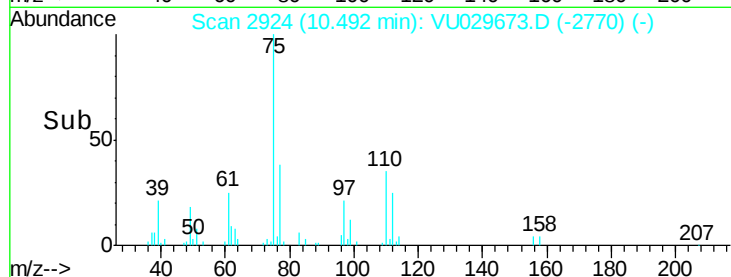
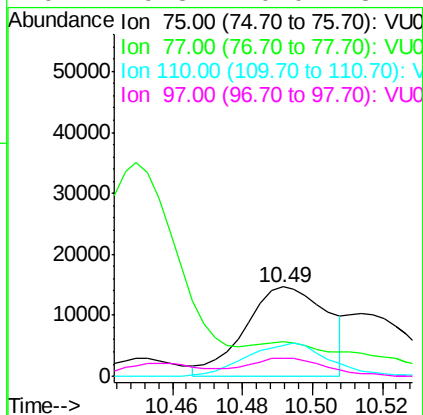
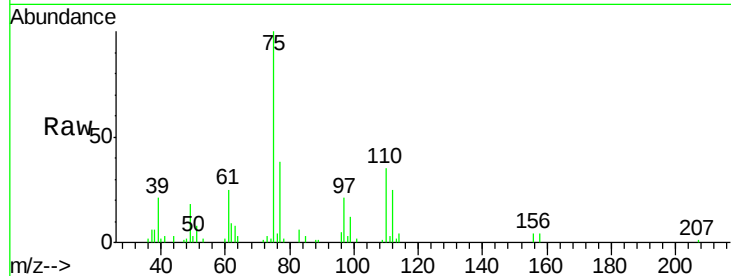
#71
1,2,3-Trichloropropane
Concen: 2.216 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0226WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	23892		
77	77	0.0	0.0	0.0	0.0
110	110	37.3	0.0	0.0	63.6
97	97	19.8	0.0	0.0	31.4

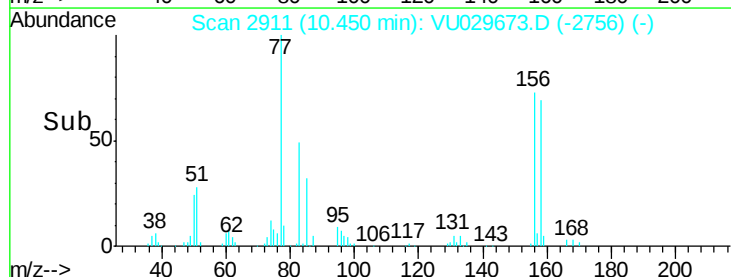
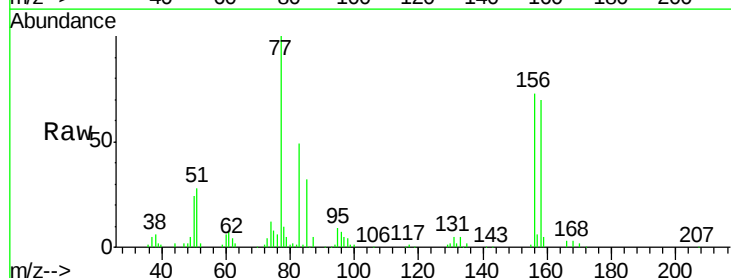
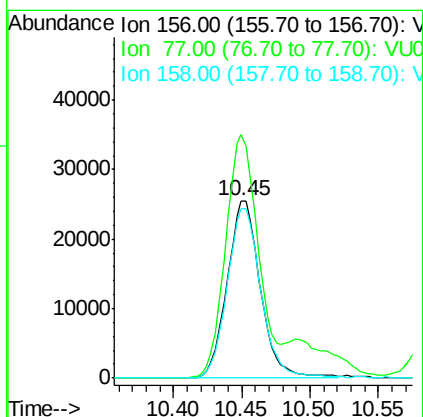
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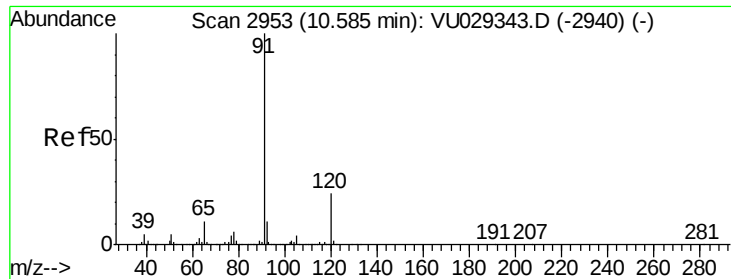
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#72
Bromobenzene
Concen: 2.090 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029673.D
Acq: 26 Feb 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	43157		
77	77	135.9	0.0	0.0	343.8
158	158	97.3	0.0	0.0	195.0





#73

n-propylbenzene

Concen: 1.984 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion:120 Resp: 47069

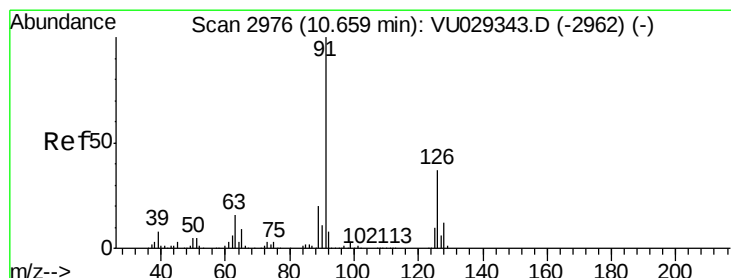
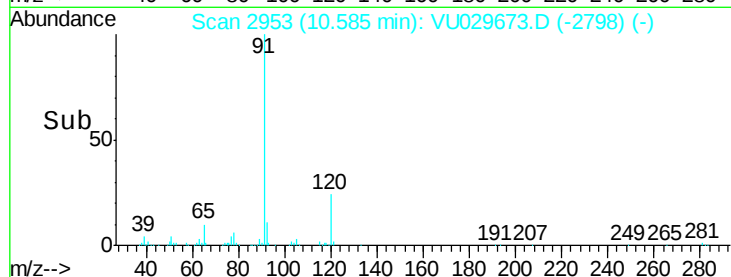
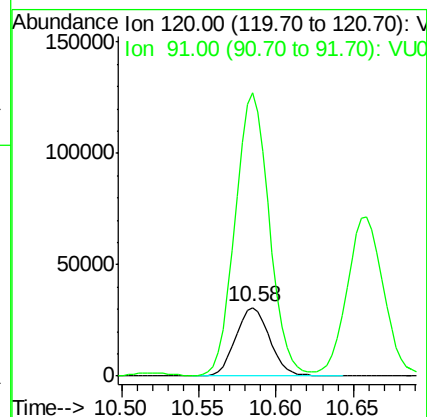
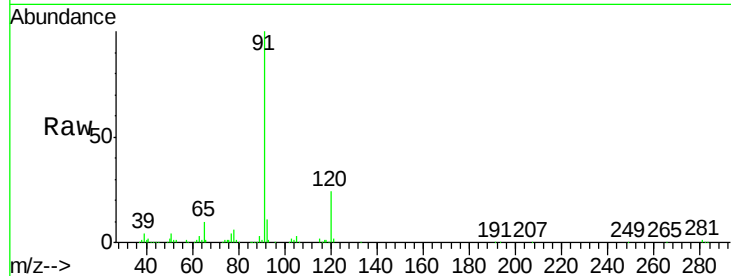
Ion Ratio Lower Upper

120 100

91 410.8 370.0 555.0

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#74

2-Chlorotoluene

Concen: 2.078 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029673.D

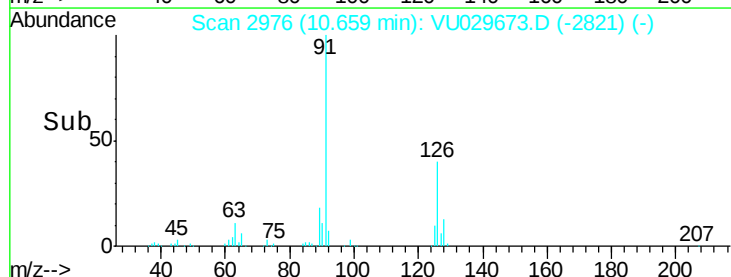
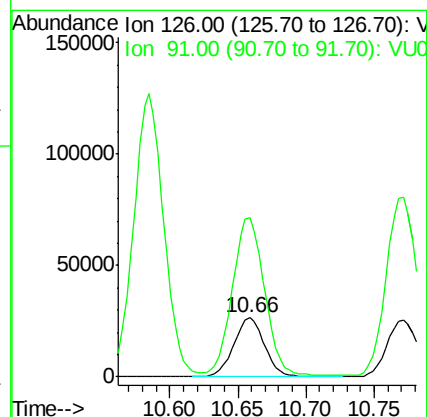
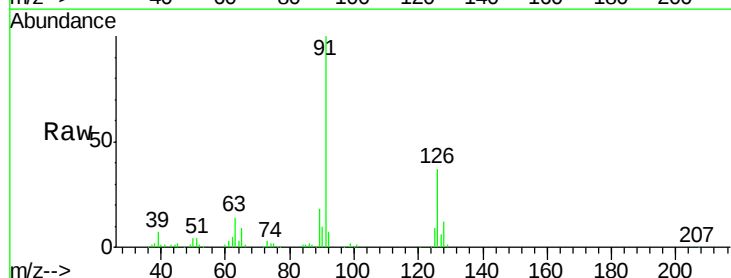
Acq: 26 Feb 2019 11:14

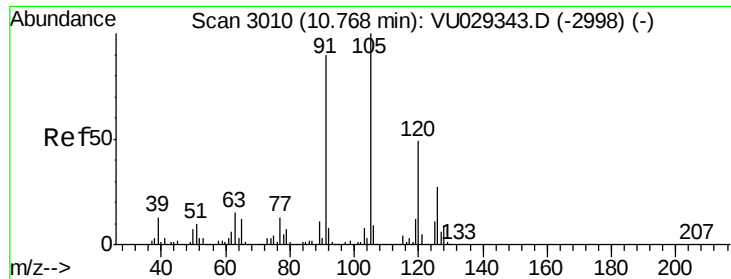
Tgt Ion:126 Resp: 41978

Ion Ratio Lower Upper

126 100

91 280.8 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 1.914 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion:105 Resp: 140547

Ion Ratio Lower Upper

105 100

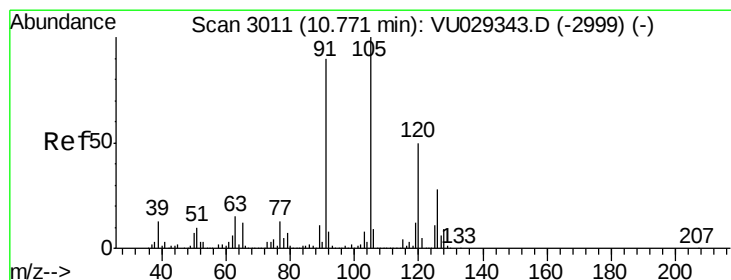
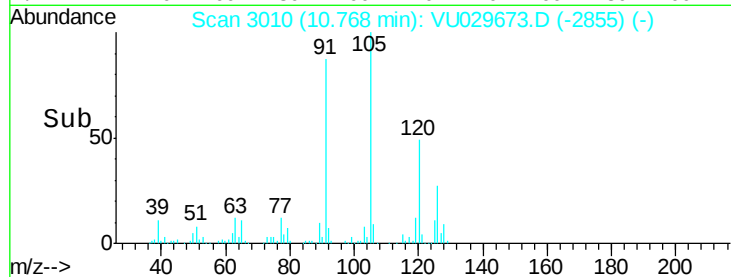
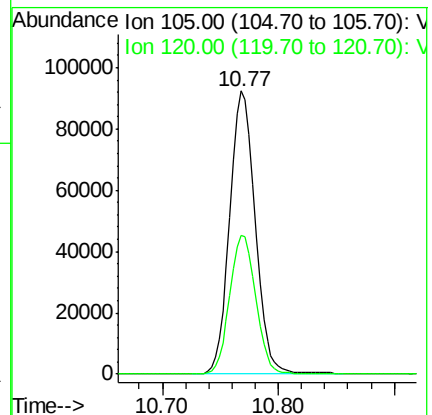
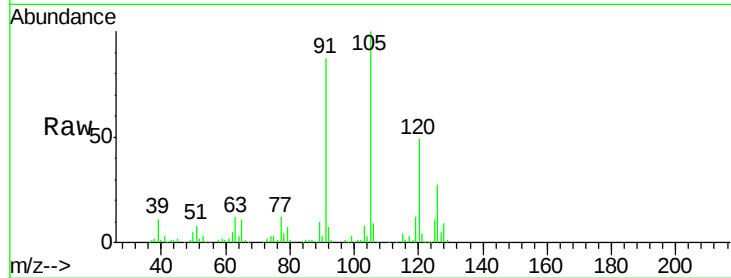
120 50.1 37.3 55.9

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#76

4-Chlorotoluene

Concen: 1.969 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. -0.00 min

Lab File: VU029673.D

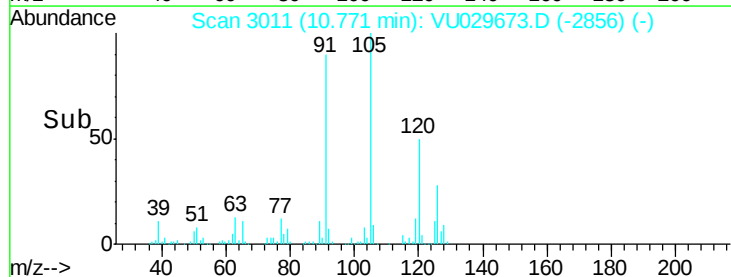
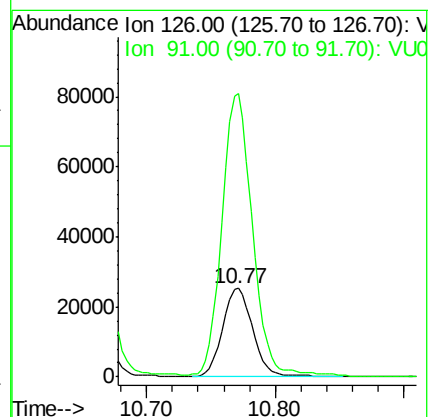
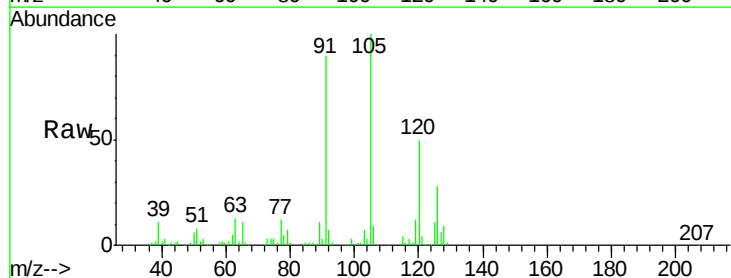
Acq: 26 Feb 2019 11:14

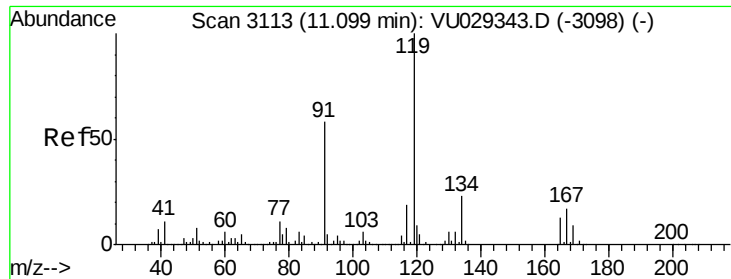
Tgt Ion:126 Resp: 41286

Ion Ratio Lower Upper

126 100

91 321.9 0.0 727.4





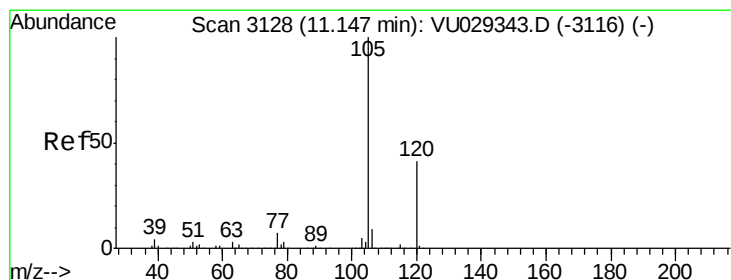
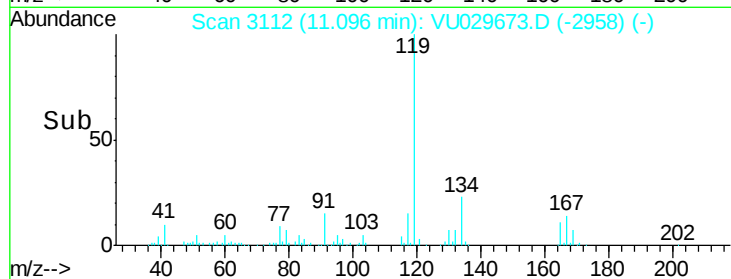
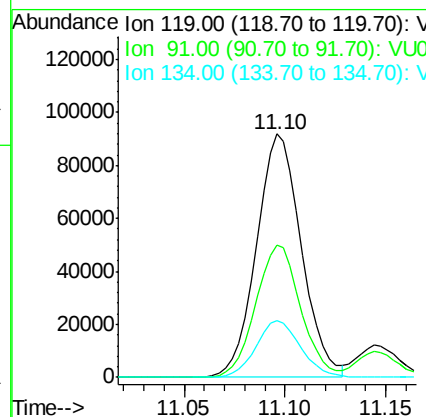
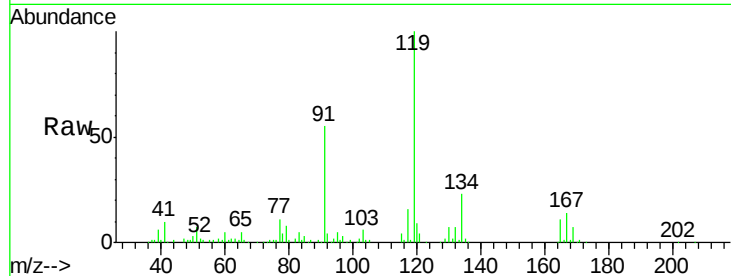
#77
 tert-Butylbenzene
 Concen: 1.966 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0226WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	32.2	96.6
134	23.1	17.6	26.4

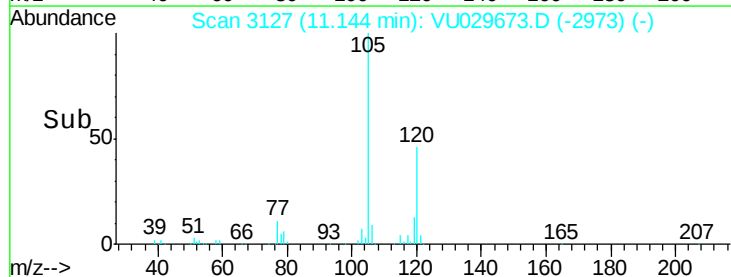
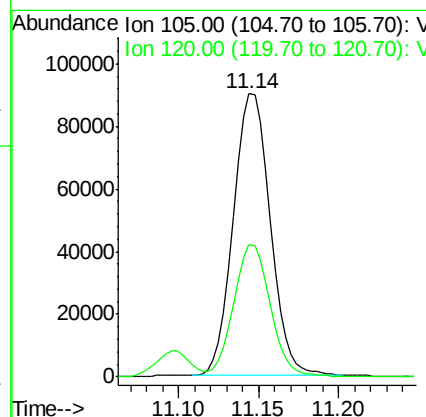
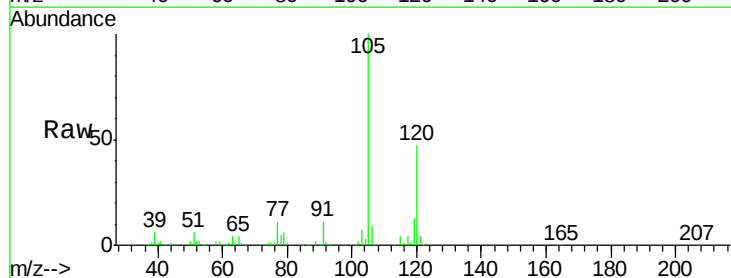
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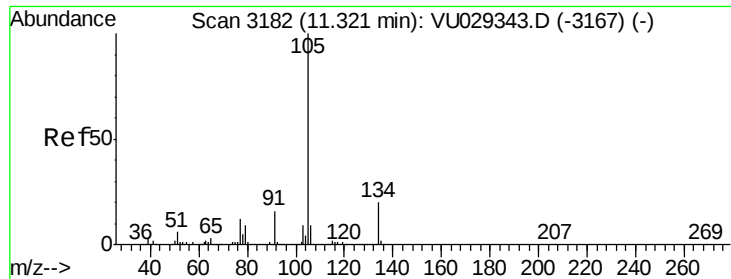
MMDadoda
 3/5/2019 9:31:45 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.906 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029673.D
 Acq: 26 Feb 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	21.4	64.3





#79

sec-Butylbenzene

Concen: 1.918 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

VU0226WBS01

Tot Ion: 105 Resp: 182152

Ion Ratio Lower Upper

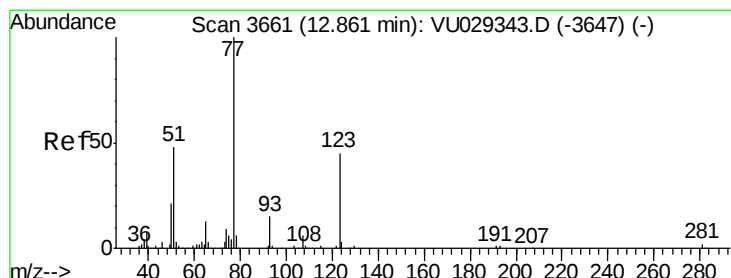
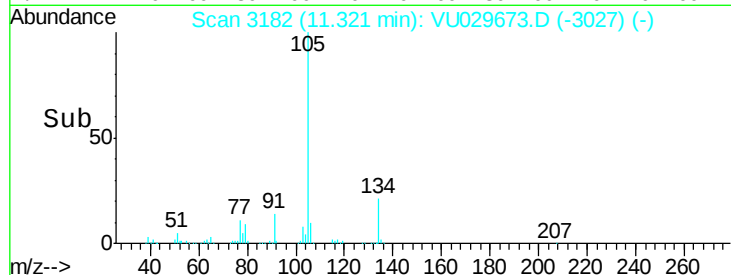
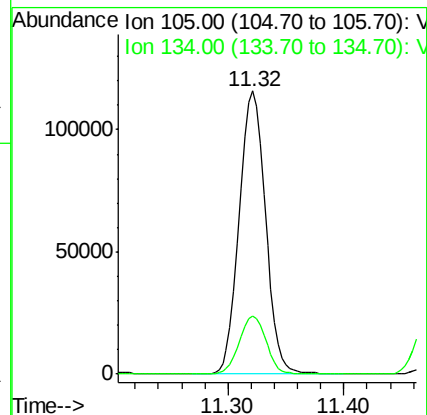
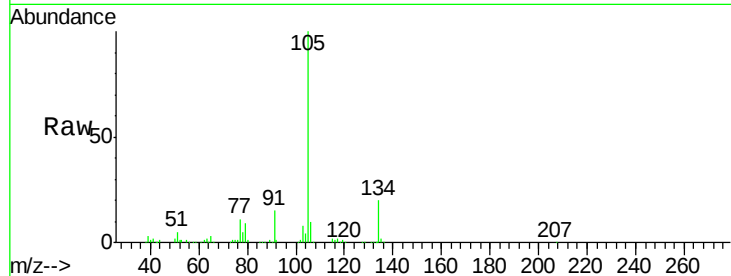
105 100

134 20.8 15.0 22.6

Manual Integrations
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#80

Nitrobenzene

Concen: 2.684 ug/l m

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

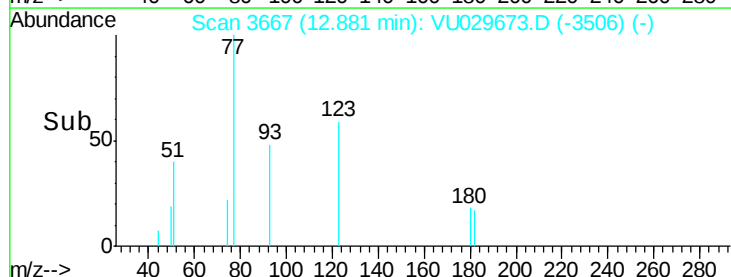
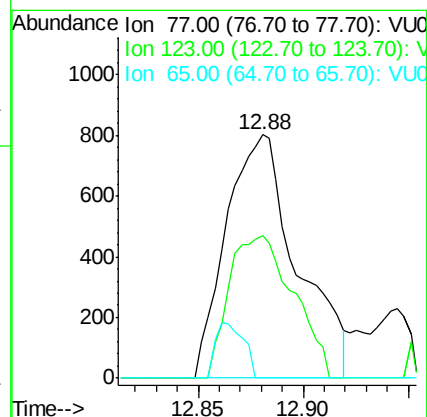
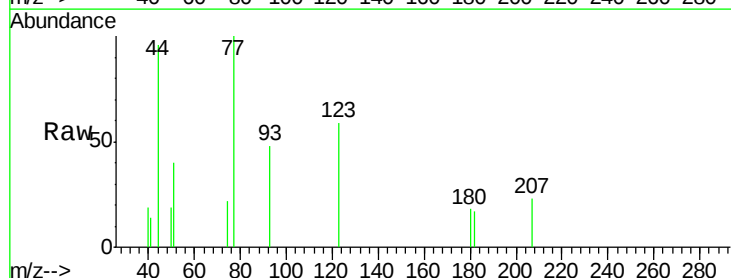
Tgt Ion: 77 Resp: 1878

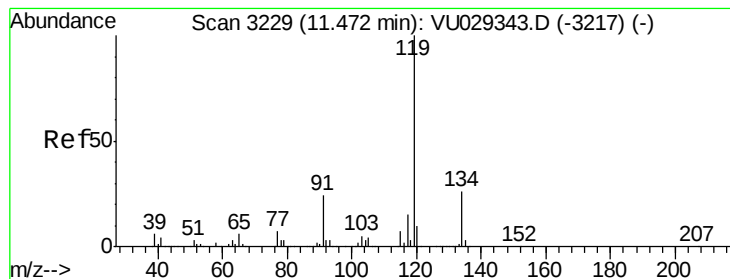
Ion Ratio Lower Upper

77 100

123 53.3 17.5 61.9

65 9.1 10.8 13.8#





#81

p-Isopropyltoluene

Concen: 1.922 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

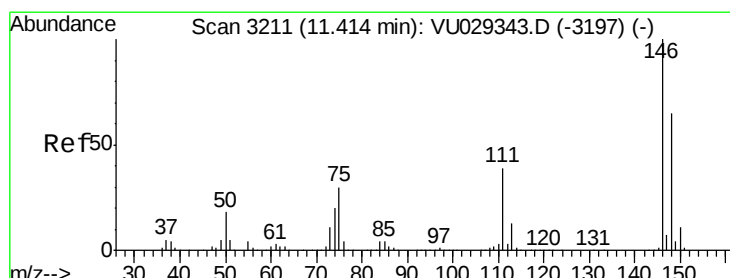
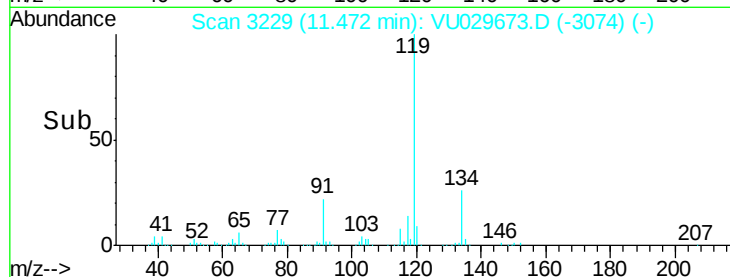
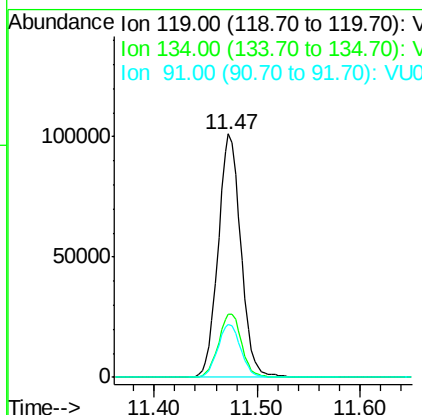
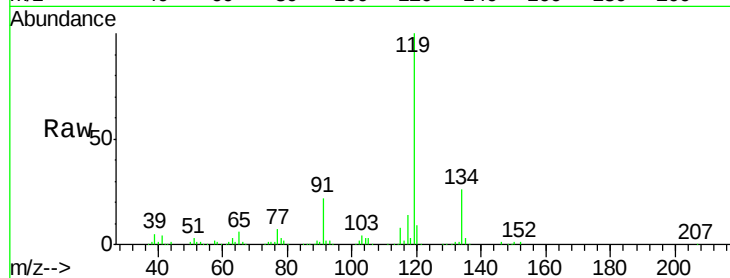
ClientSampleId :

VU0226WBS01

Tot Ion:	119	Resp:	154722
Ion Ratio	Lower	Upper	
119	100		
134	26.4	19.8	29.6
91	22.3	21.5	32.3

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#82

1,3-Dichlorobenzene

Concen: 2.084 ug/l

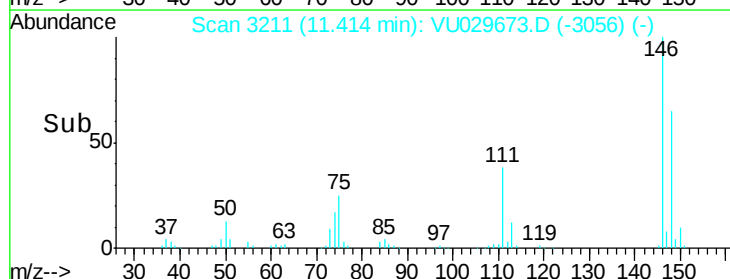
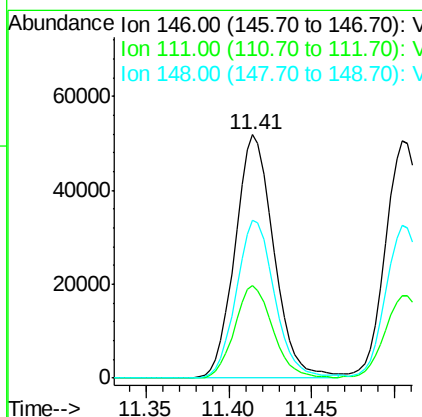
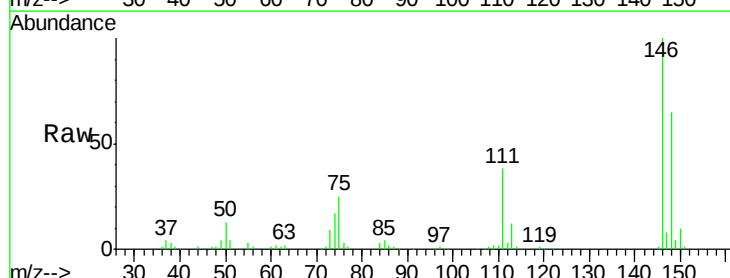
RT: 11.41 min Scan# 3211

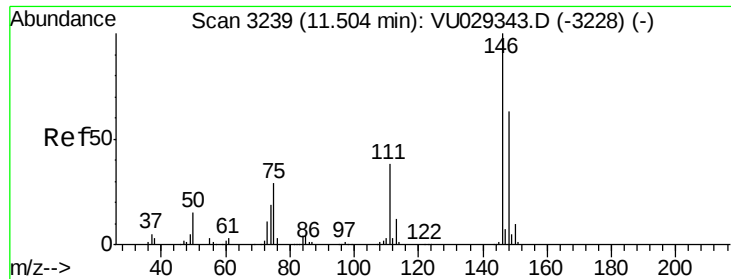
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	146	Resp:	84407
Ion Ratio	Lower	Upper	
146	100		
111	37.4	34.1	51.1
148	64.6	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 2.050 ug/l

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

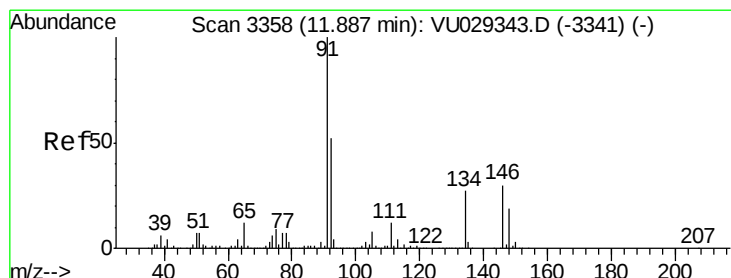
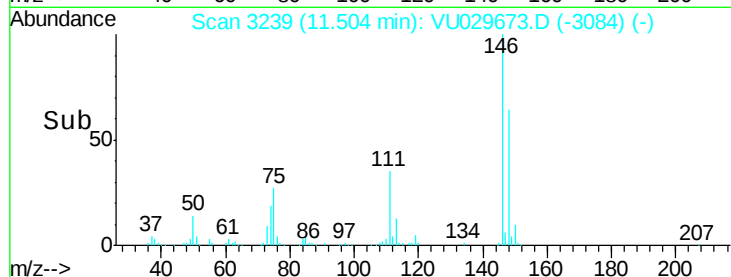
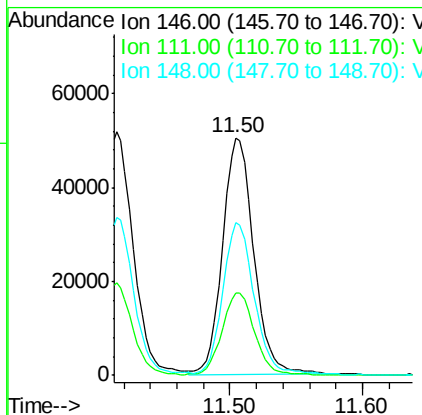
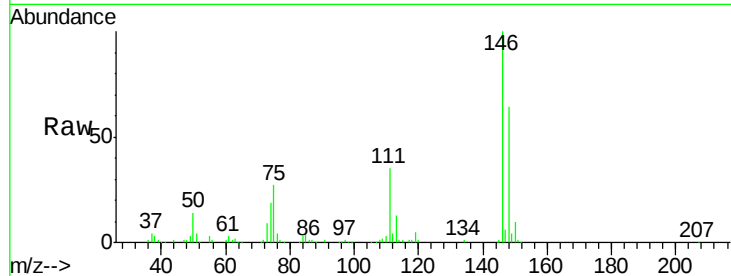
ClientSampleId :

VU0226WBS01

Tot Ion:	146	Resp:	82704
Ion	Ratio	Lower	Upper
146	100		
111	35.7	32.9	49.3
148	65.7	51.8	77.6

Manual Integrations
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#84

n-Butylbenzene

Concen: 1.810 ug/l

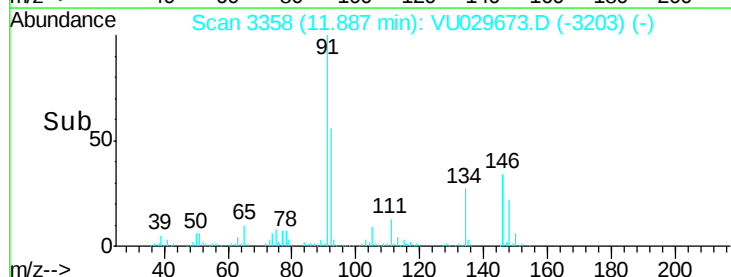
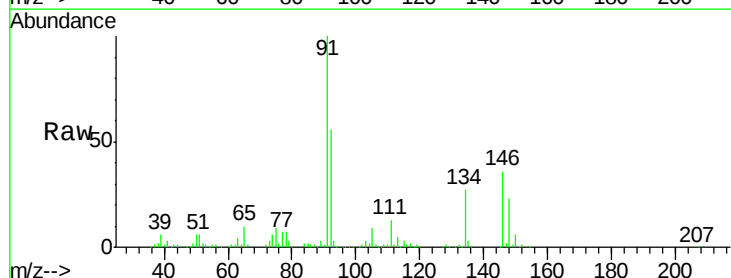
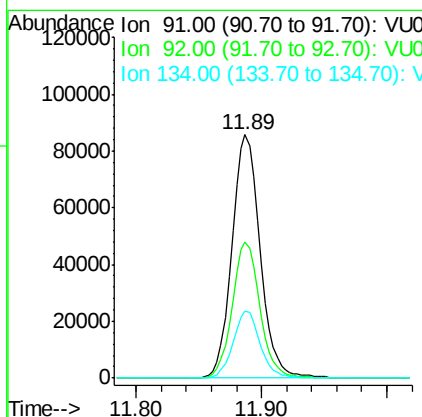
RT: 11.89 min Scan# 3358

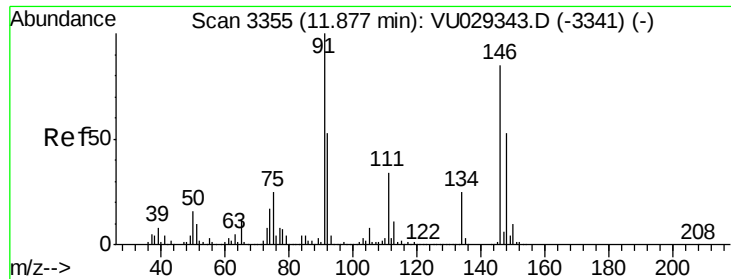
Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	91	Resp:	133686
Ion	Ratio	Lower	Upper
91	100		
92	54.8	41.0	61.6
134	26.3	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 2.077 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

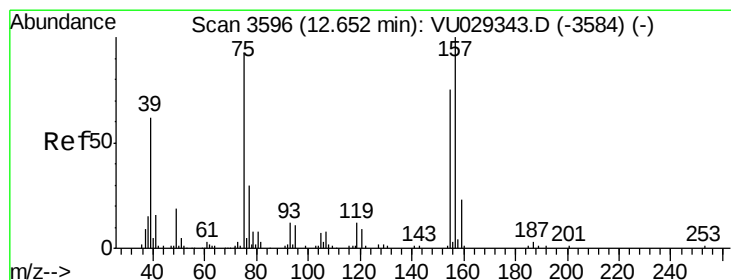
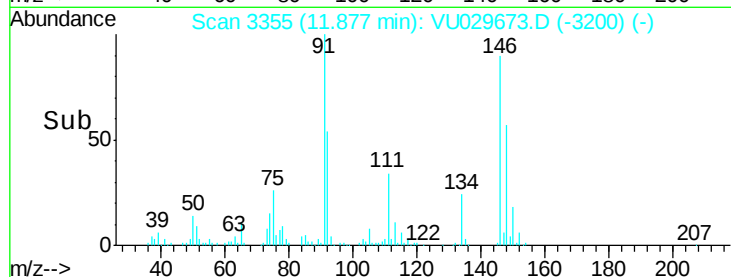
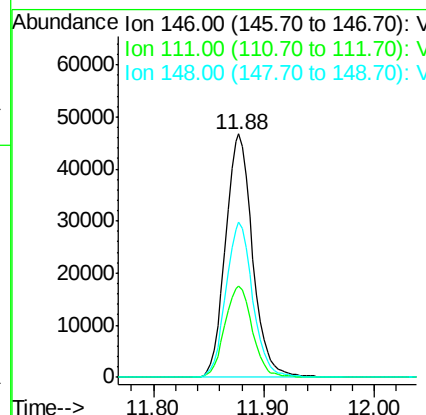
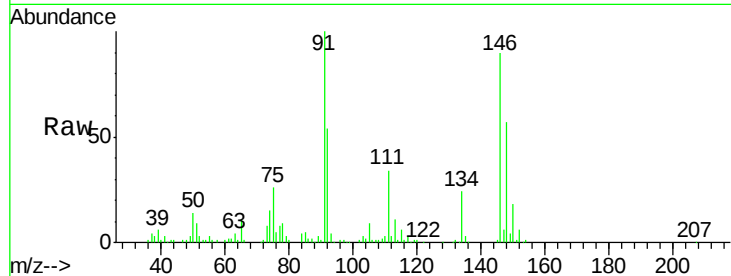
ClientSampleId :

VU0226WBS01

Tot Ion:	146	Resp:	79543
Ion Ratio	Lower	Upper	
146	100		
111	38.3	21.9	65.8
148	63.4	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.650 ug/l

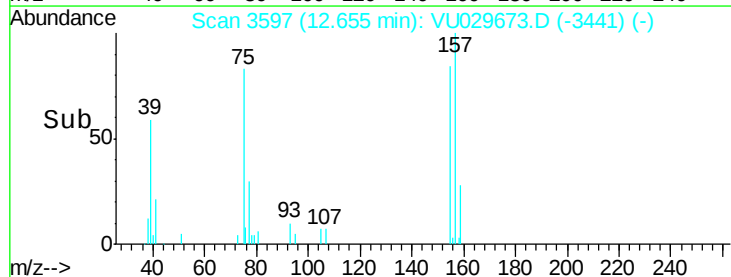
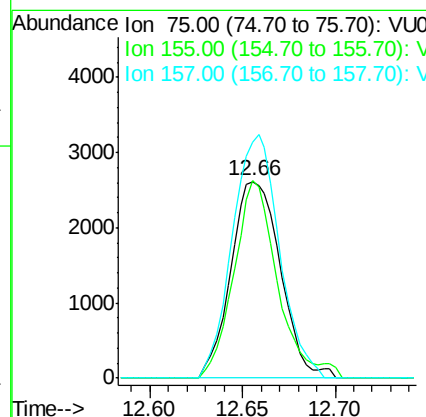
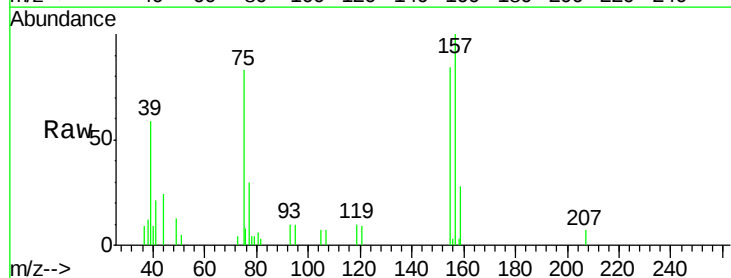
RT: 12.66 min Scan# 3597

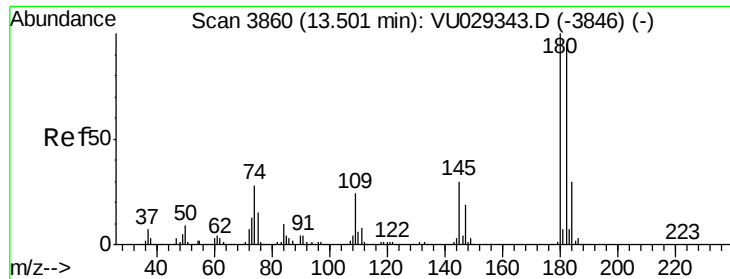
Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	75	Resp:	4836
Ion Ratio	Lower	Upper	
75	100		
155	88.9	53.8	80.8#
157	118.1	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 1.867 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

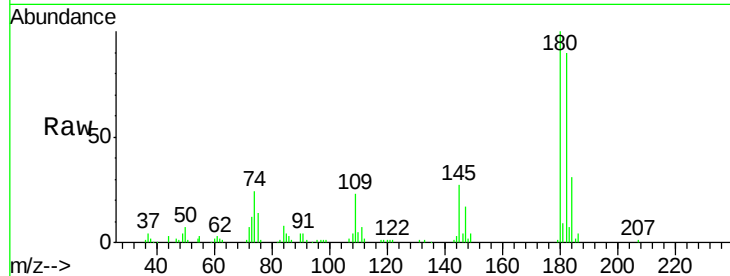
ClientSampleId :

VU0226WBS01

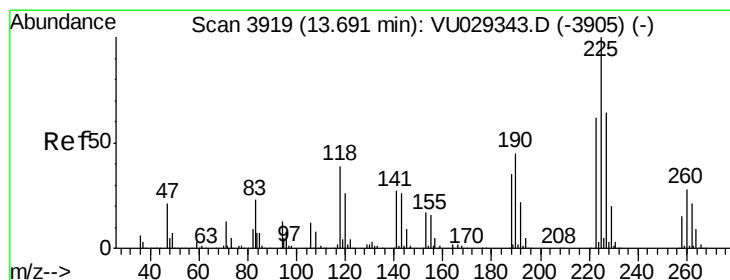
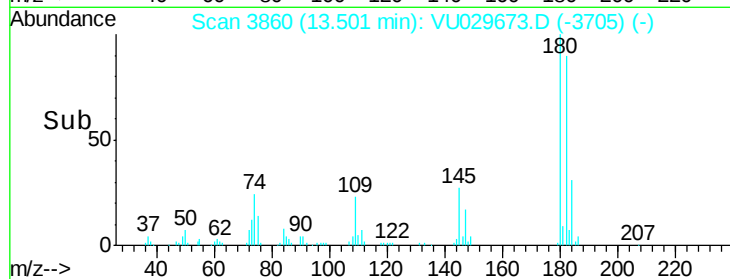
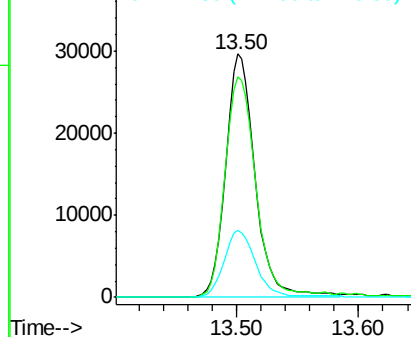
Tot Ion:	180	Resp:	50235
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.6	114.8
145	29.0	24.6	36.8

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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: 2.049 ug/l

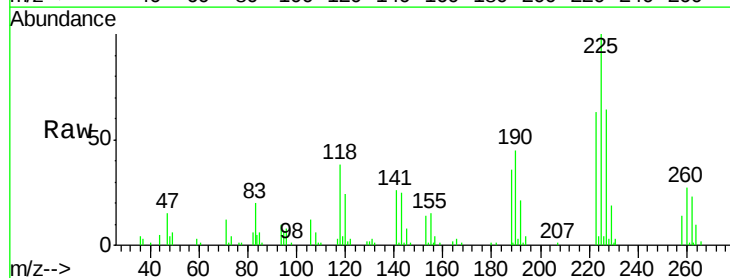
RT: 13.69 min Scan# 3919

Delta R.T. -0.00 min

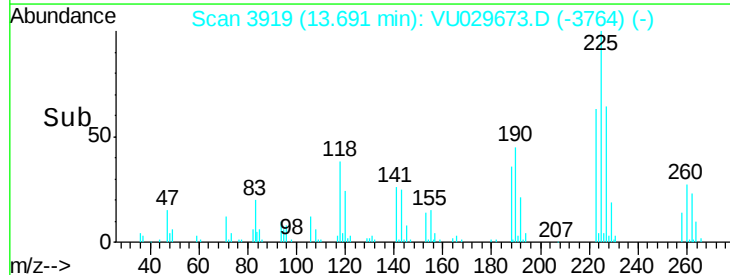
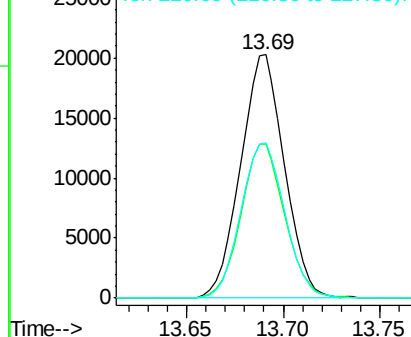
Lab File: VU029673.D

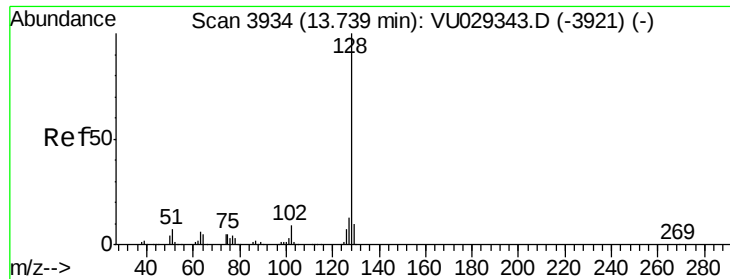
Acq: 26 Feb 2019 11:14

Tgt Ion:	225	Resp:	31919
Ion Ratio	Lower	Upper	
225	100		
223	63.2	49.5	74.3
227	63.9	50.4	75.6



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: 1.690 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA_U

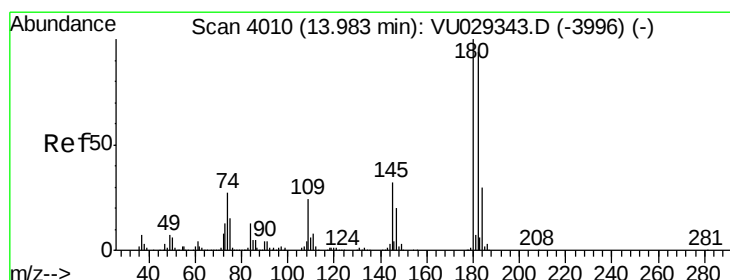
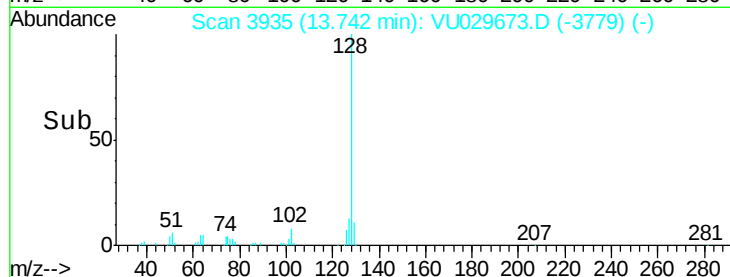
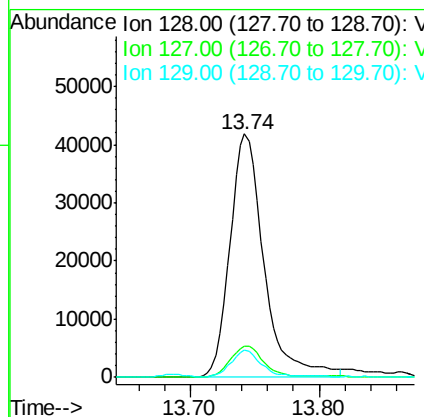
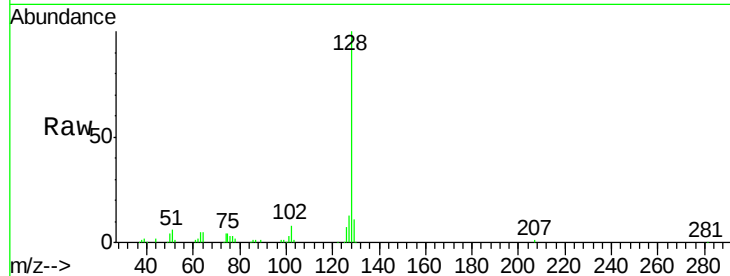
ClientSampleId :

VU0226WBS01

Tot Ion:	128	Resp:	77111
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.7	16.1
129	9.7	8.2	12.4

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 1.959 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Tgt Ion:	180	Resp:	48171
Ion Ratio	Lower	Upper	
180	100		
182	93.5	78.0	117.0
145	30.0	26.6	39.8

