

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029841.D
 Acq On : 06 Mar 2019 16:03
 Operator : JC/SP
 Sample : VU0307WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Manual Integrations
 APPROVED

MMDadoda

3/11/2019 4:50:41 PM

Quant Time: Mar 08 01:53:48 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Fri Mar 08 00:30:10 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	62689	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21710	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25828	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.20	85	39194	1.868	ug/l	100
3) Chloromethane	1.33	50	35738	1.913	ug/l	97
4) Vinyl Chloride	1.40	62	40652	1.935	ug/l	96
5) Bromomethane	1.63	94	26338	1.835	ug/l	100
6) Chloroethane	1.70	64	24556	1.949	ug/l	99
7) Trichlorofluoromethane	1.88	101	55346	1.933	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	33061	1.985	ug/l	99
9) 1,1-Dichloroethene	2.28	96	30973	1.899	ug/l	98
10) Iodomethane	2.41	142	28149	2.037	ug/l	97
11) Allyl Chloride	2.59	41	41936	1.829	ug/l	94
12) Acrylonitrile	2.94	53	13372	3.761	ug/l	97
13) Acetone	2.32	43	26881	9.129	ug/l	100
14) Carbon Disulfide	2.47	76	98166	1.859	ug/l	100
15) Methylene Chloride	2.69	84	37780	1.931	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	34836	1.891	ug/l	98
17) 1,1-Dichloroethane	3.44	63	58216	1.889	ug/l	98
18) 2-Butanone	4.28	43	36765	9.187	ug/l	100
19) Cyclohexane	4.99	56	45339m	1.895	ug/l	
20) Methylcyclohexane	6.41	83	52600	1.887	ug/l	98
21) 2,2-Dichloropropane	4.22	77	46848	1.860	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	37646	1.928	ug/l	99
23) Diethyl Ether	2.10	59	23555	1.927	ug/l	98
24) tert-Butyl Alcohol	2.83	59	23824	18.892	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	79838	1.944	ug/l	98
26) Bromochloromethane	4.54	128	16747	1.932	ug/l	96
27) Chloroform	4.67	83	59623	1.910	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	49272	1.862	ug/l	97
29) 1,1-Dichloropropene	5.13	75	43695	1.858	ug/l	97
30) Carbon Tetrachloride	5.13	117	43930	1.903	ug/l	98
31) Isopropyl Ether	3.58	45	82450	1.940	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	80644	1.952	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	74364	1.946	ug/l	99
34) Propionitrile	4.33	54	10397	8.734	ug/l #	96
35) Benzene	5.38	78	134416	1.940	ug/l	100
36) 1,2-Dichloroethane	5.40	62	35730	1.889	ug/l	100
37) Trichloroethene	6.18	130	38643	1.911	ug/l	95
38) 1,2-Dichloropropane	6.43	63	35332	2.015	ug/l	100
39) Methacrylonitrile	4.55	41	9427	1.883	ug/l	97
40) Methyl acrylate	4.43	55	14513	1.834	ug/l	96
41) Tetrahydrofuran	4.65	42	9927	3.790	ug/l	94
42) 1-Chlorobutane	5.06	56	57786	1.924	ug/l	99

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Manual Integrations
 APPROVED

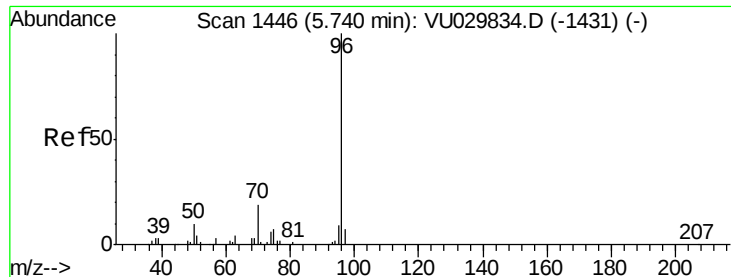
MMDadoda

3/11/2019 4:50:41 PM

Quant Time: Mar 08 01:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	18208	2.004	ug/l	98
44) Bromodichloromethane	6.76	83	41222	1.847	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	91730	9.678	ug/l	97
46) t-1,4-Dichloro-2-butene	10.51	75	12590m	3.177	ug/l	
47) Methyl methacrylate	6.63	69	29437	3.775	ug/l	98
48) Ethyl methacrylate	8.02	69	27850	1.864	ug/l	100
49) Toluene	7.63	92	80779	1.899	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	35953	1.838	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	45074	1.862	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	27169	2.020	ug/l	96
53) 1,3-Dichloropropane	8.24	76	42416	1.923	ug/l	100
54) 2-Hexanone	8.36	43	59196	8.993	ug/l	98
55) Dibromochloromethane	8.48	129	29510	1.848	ug/l	99
56) 1,2-Dibromoethane	8.58	107	23494	1.842	ug/l	95
58) Tetrachloroethene	8.22	164	41016	1.985	ug/l	97
59) Chlorobenzene	9.12	112	94977	1.943	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	33623	1.917	ug/l	99
61) Pentachloroethane	11.10	117	22600	1.851	ug/l	99
62) Hexachloroethane	12.14	117	22394	1.743	ug/l	96
63) Ethyl Benzene	9.25	91	150113	1.874	ug/l	99
64) m/p-Xylenes	9.37	106	120826	3.816	ug/l	99
65) o-Xylene	9.78	106	58914	1.938	ug/l	100
66) Styrene	9.79	104	96661	1.913	ug/l	98
67) Bromoform	9.95	173	17268	1.842	ug/l	97
69) Isopropylbenzene	10.16	105	153569	1.905	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	31754	1.936	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	21965m	1.802	ug/l	
72) Bromobenzene	10.45	156	40502	1.898	ug/l	96
73) n-propylbenzene	10.58	120	42280	1.865	ug/l	98
74) 2-Chlorotoluene	10.66	126	38718	1.926	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	127634	1.879	ug/l	100
76) 4-Chlorotoluene	10.77	126	40714	1.986	ug/l	95
77) tert-Butylbenzene	11.10	119	127709	1.900	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	130709	1.904	ug/l	97
79) sec-Butylbenzene	11.32	105	171093	1.921	ug/l	100
80) Nitrobenzene	12.87	77	1746m	5.863	ug/l	
81) p-Isopropyltoluene	11.47	119	142499	1.911	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	80221	1.898	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	78421	1.899	ug/l	99
84) n-Butylbenzene	11.89	91	123421	1.817	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	74666	1.873	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4254	1.816	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	45475	1.782	ug/l	98
88) Hexachlorobutadiene	13.69	225	30573	1.902	ug/l	96
89) Naphthalene	13.74	128	70454	1.819	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	45445	1.895	ug/l	98

(#) = 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: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

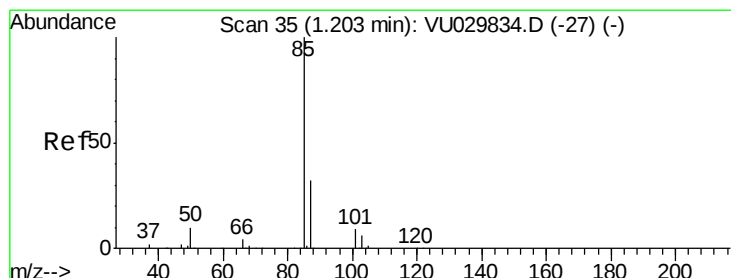
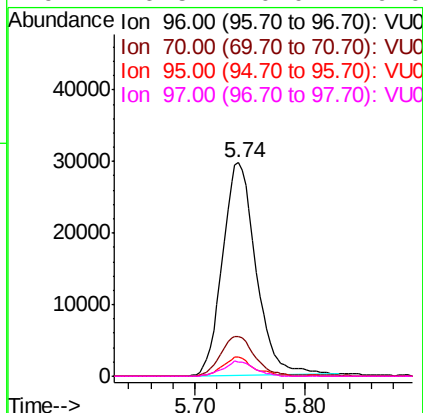
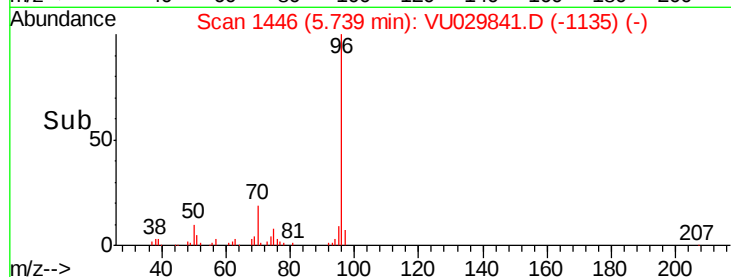
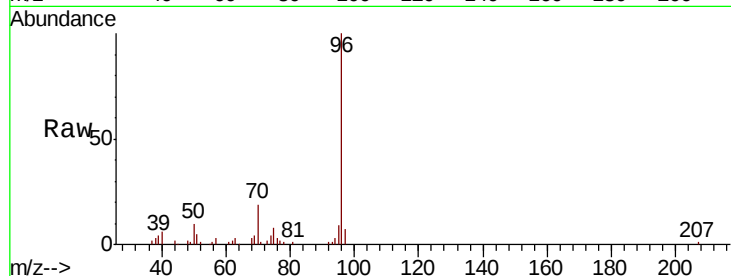
VU0307WBSD01

Tgt Ion:	96	Resp:	62689
Ion	Ratio	Lower	Upper
96	100		
70	18.9	14.4	21.6
95	8.3	7.0	10.6
97	6.5	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.868 ug/l

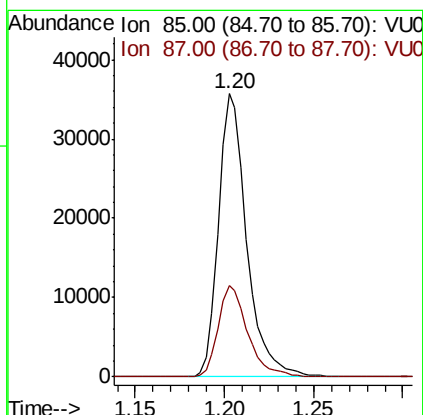
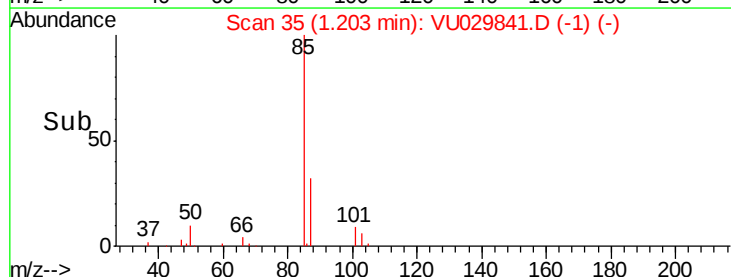
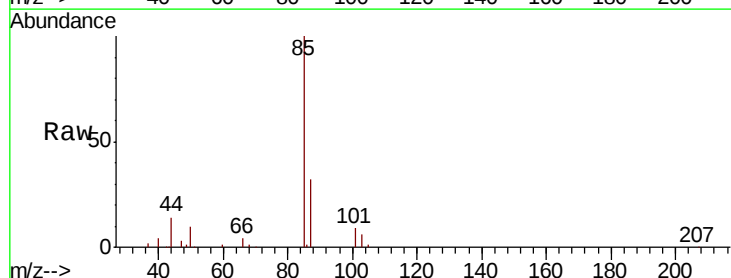
RT: 1.20 min Scan# 35

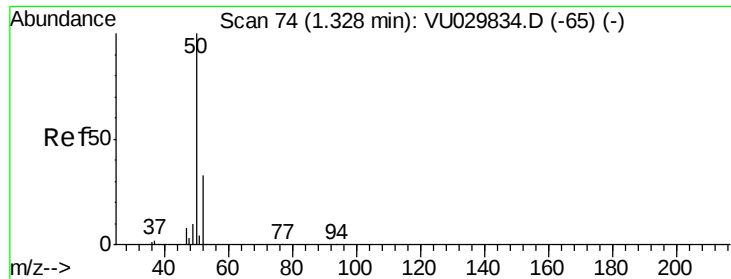
Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Tgt Ion:	85	Resp:	39194
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.6





#3

Chloromethane

Concen: 1.913 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 50 Resp: 35738

Ion Ratio Lower Upper

50 100

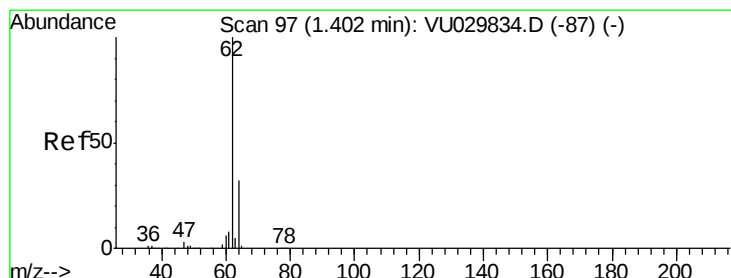
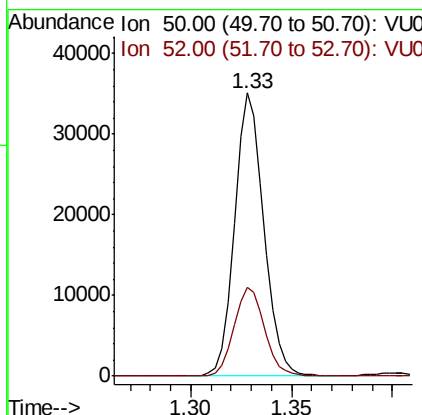
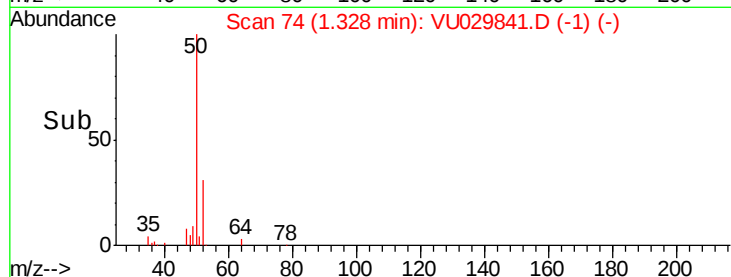
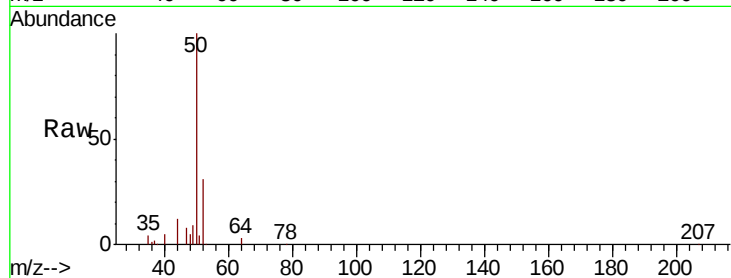
52 31.2 26.5 39.7

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#4

Vinyl Chloride

Concen: 1.935 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029841.D

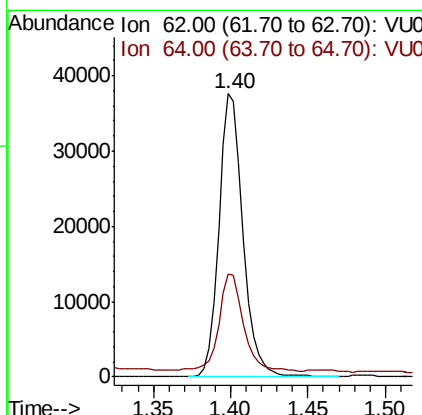
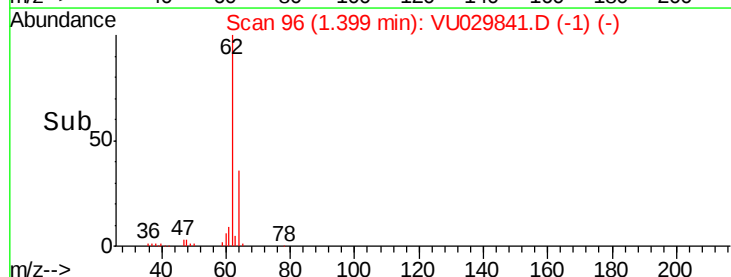
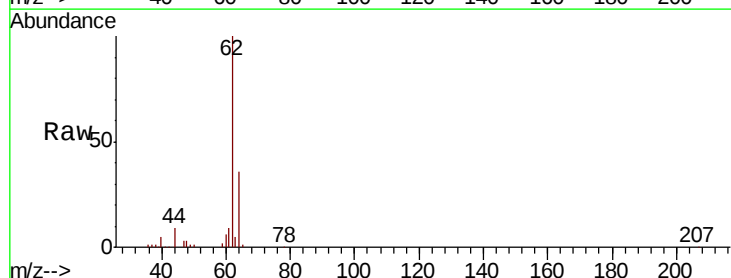
Acq: 06 Mar 2019 16:03

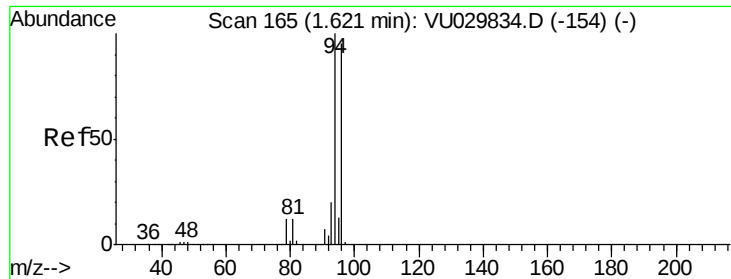
Tgt Ion: 62 Resp: 40652

Ion Ratio Lower Upper

62 100

64 34.4 25.7 38.5





#5

Bromomethane

Concen: 1.835 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 94 Resp: 26338

Ion Ratio Lower Upper

94 100

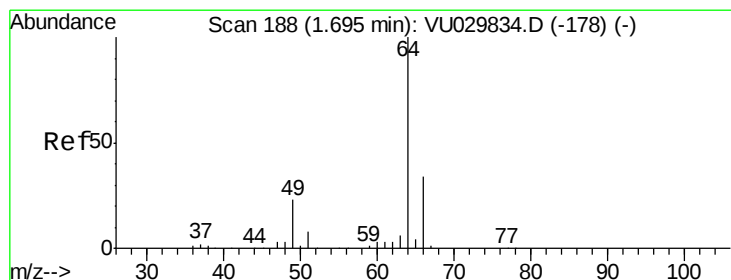
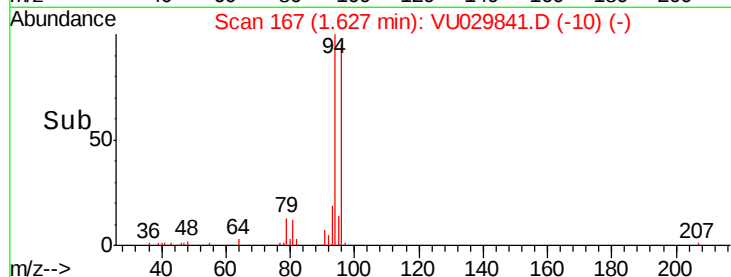
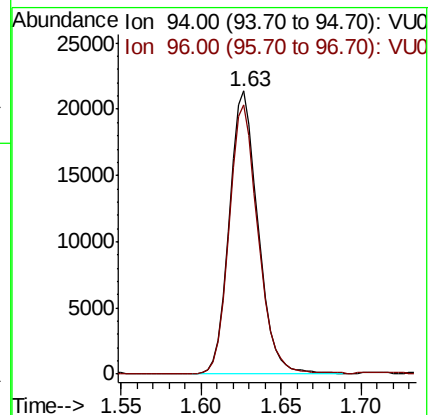
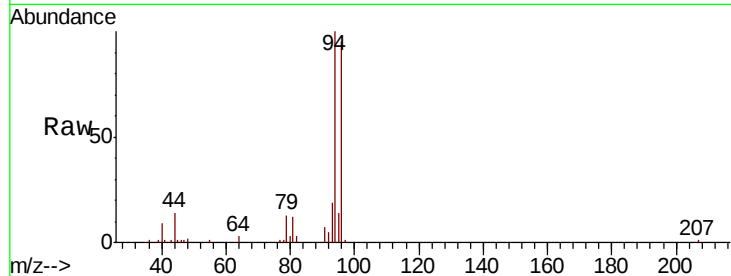
96 95.0 76.4 114.6

Manual Integrations

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3/11/2019 4:50:41 PM



#6

Chloroethane

Concen: 1.949 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029841.D

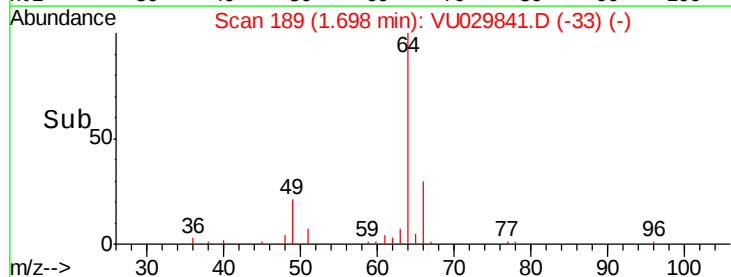
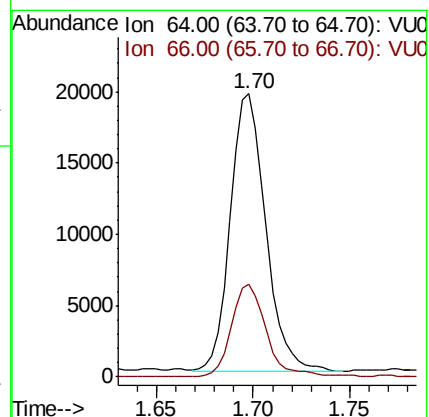
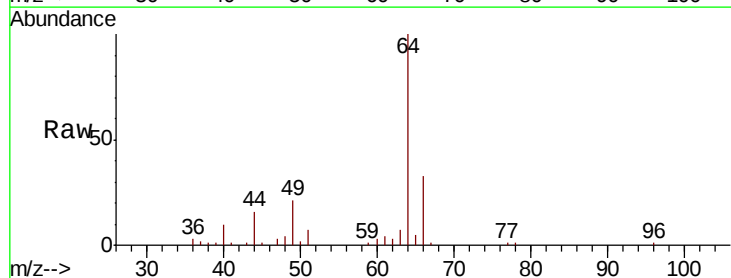
Acq: 06 Mar 2019 16:03

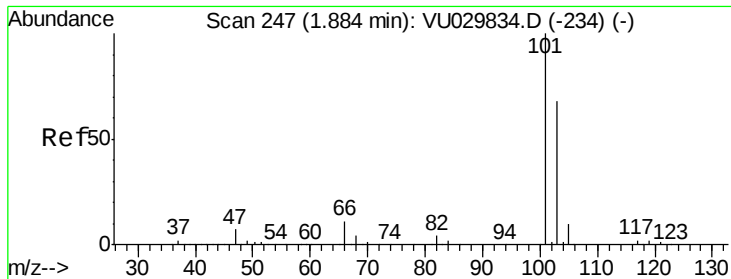
Tgt Ion: 64 Resp: 24556

Ion Ratio Lower Upper

64 100

66 33.3 27.3 40.9





#7

Trichlorofluoromethane
 Concen: 1.933 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

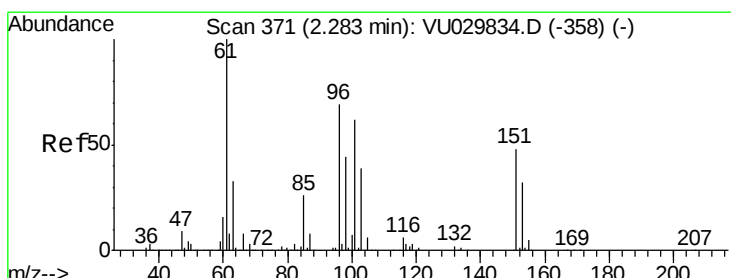
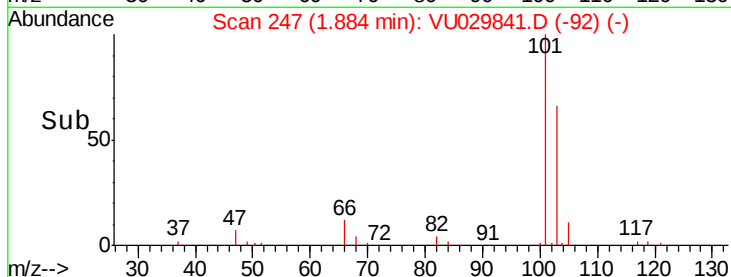
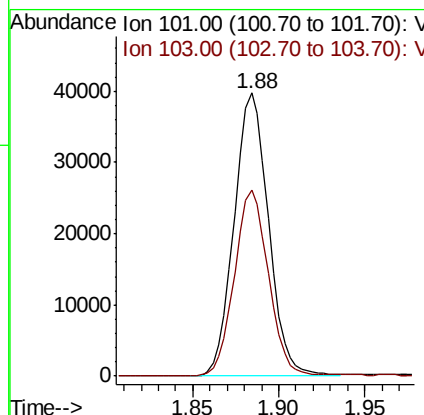
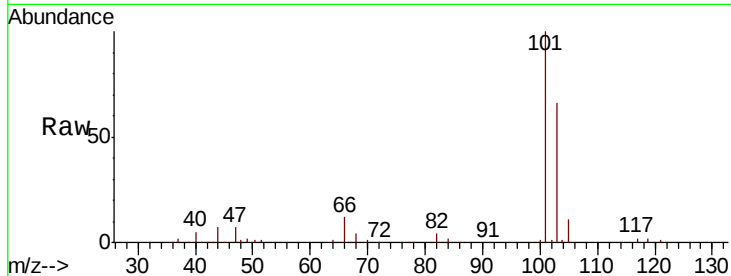
Instrument :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.8	54.2	81.2

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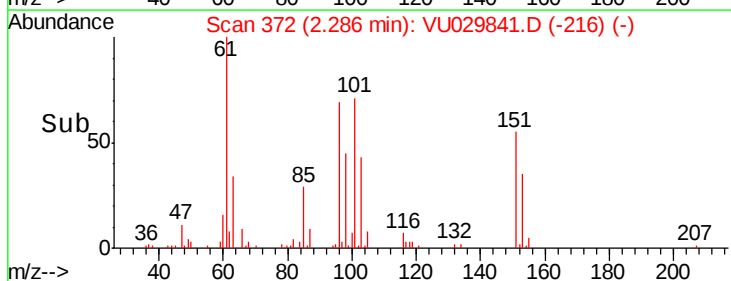
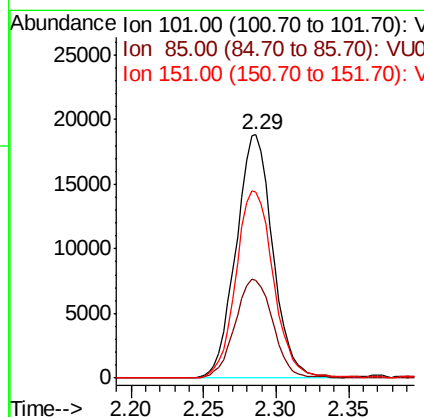
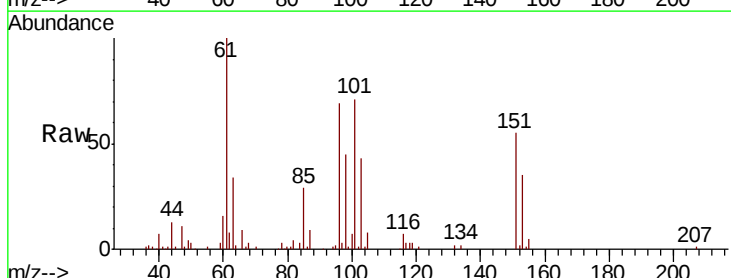
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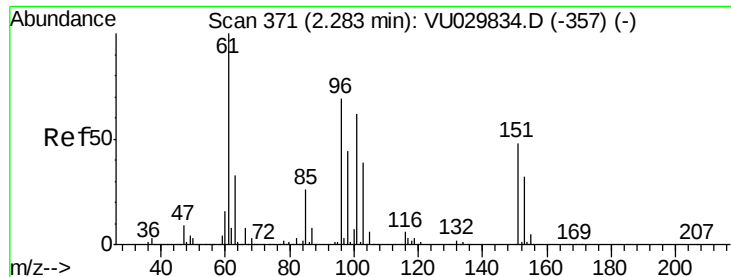


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.985 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
101	100		
85	41.8	33.4	50.0
151	79.1	64.6	97.0





#9

1,1-Dichloroethene

Concen: 1.899 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

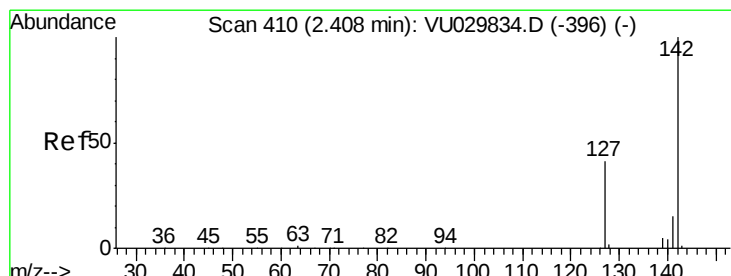
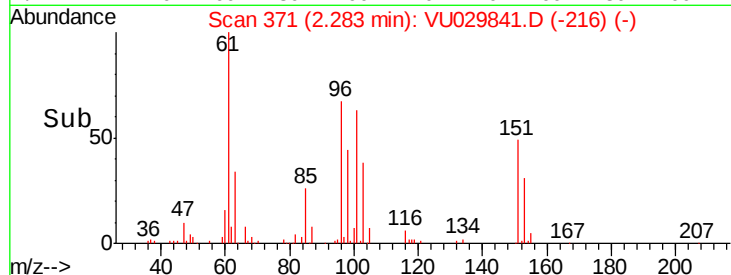
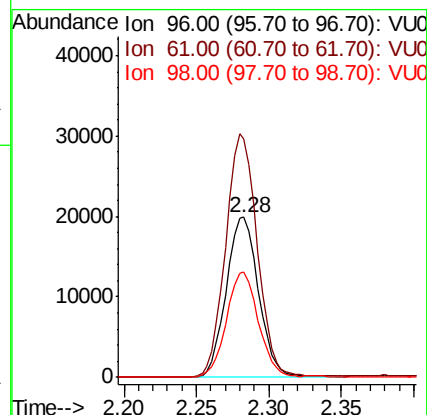
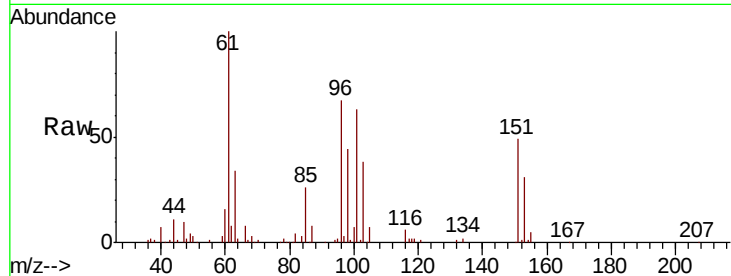
VU0307WBSD01

Tgt Ion:	96	Resp:	30973
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	435.3
98	65.5	0.0	128.6

Manual Integrations
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3/11/2019 4:50:41 PM



#10

Iodomethane

Concen: 2.037 ug/l

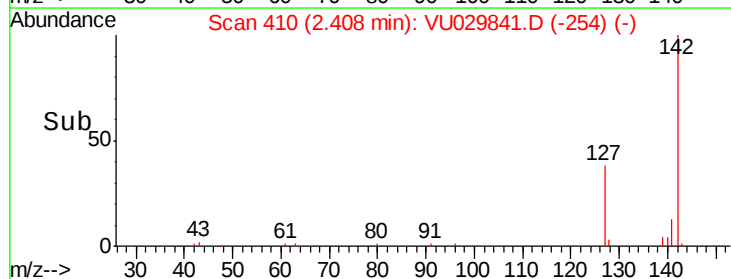
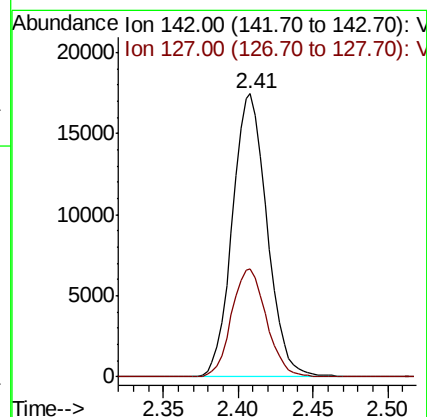
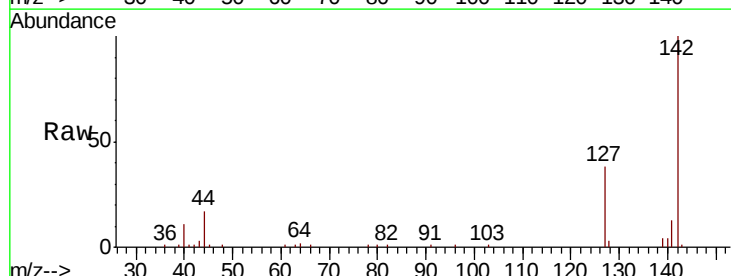
RT: 2.41 min Scan# 410

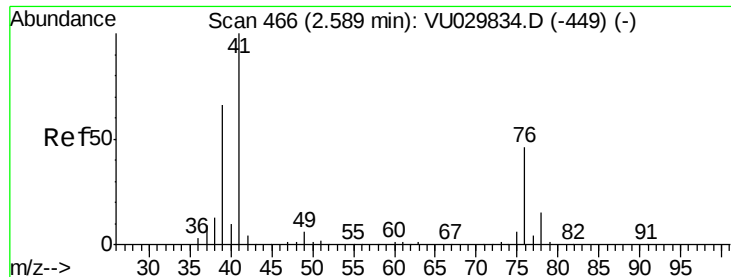
Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Tgt Ion:	142	Resp:	28149
Ion	Ratio	Lower	Upper
142	100		
127	38.3	32.3	48.5





#11
 Allyl Chloride
 Concen: 1.829 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

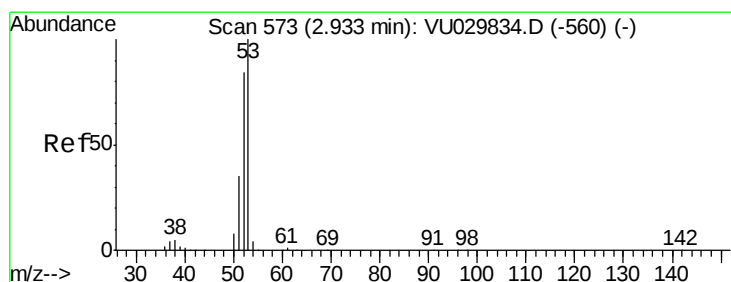
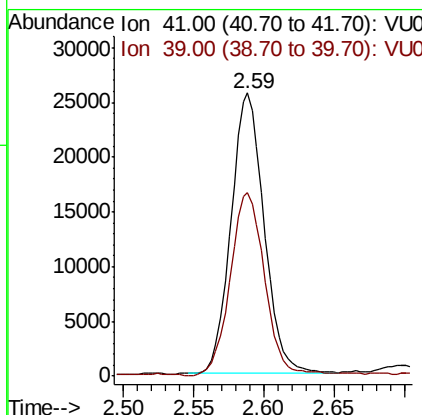
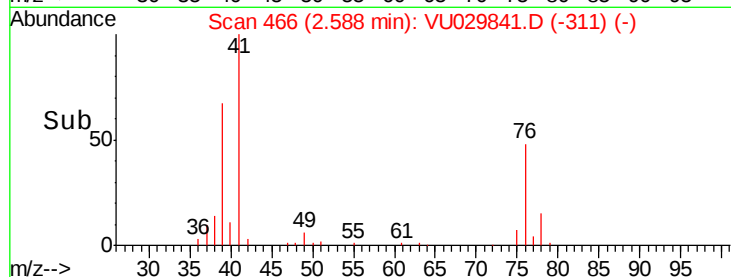
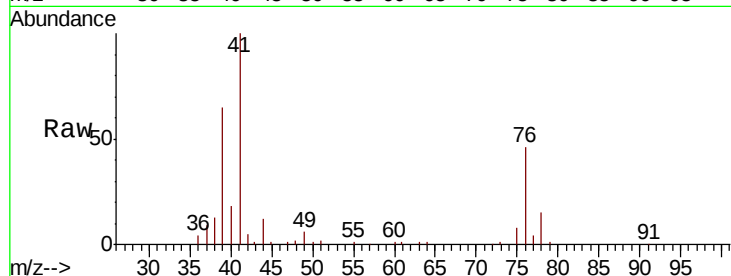
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion: 41 Resp: 41936
 Ion Ratio Lower Upper
 41 100
 39 69.3 51.6 77.4

Manual Integrations
 APPROVED

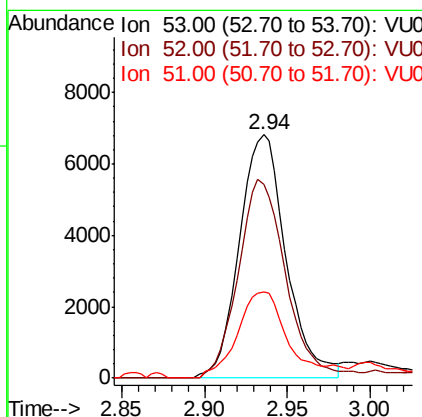
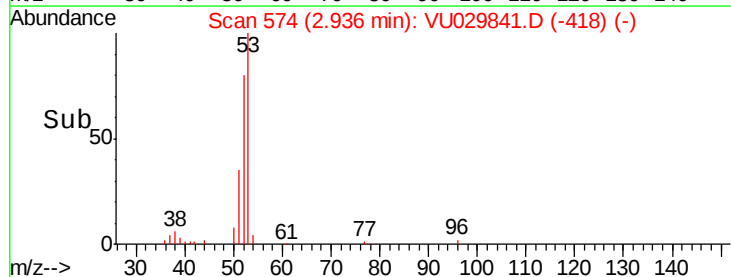
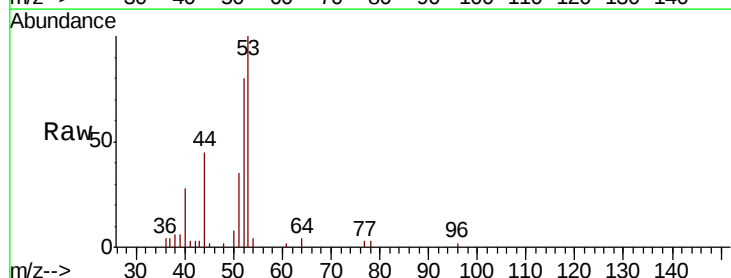
MMDadoda

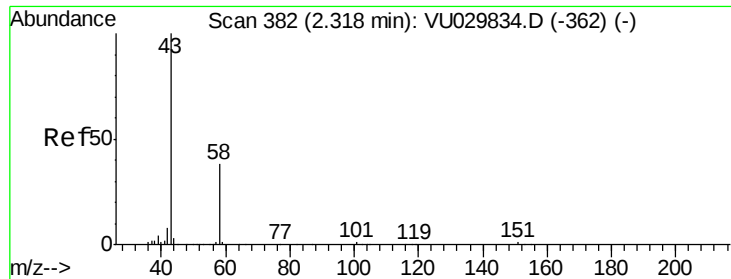
3/11/2019 4:50:41 PM



#12
 Acrylonitrile
 Concen: 3.761 ug/l
 RT: 2.94 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 53 Resp: 13372
 Ion Ratio Lower Upper
 53 100
 52 82.0 66.5 99.7
 51 39.2 28.6 42.8





#13
Acetone
Concen: 9.129 ug/l
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

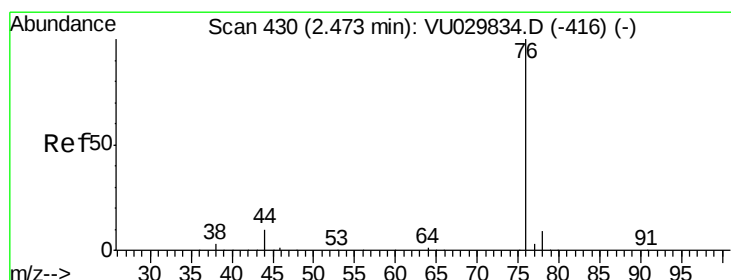
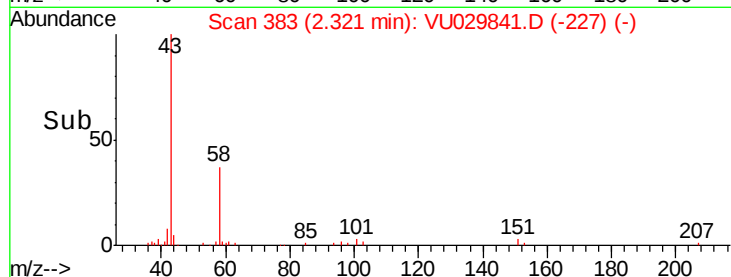
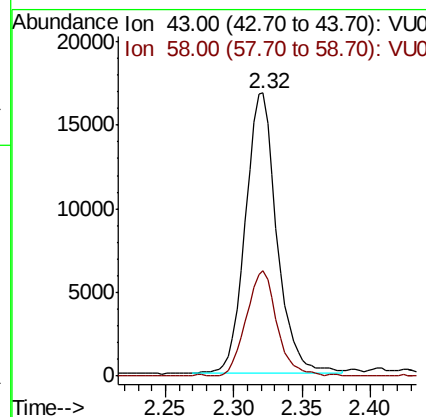
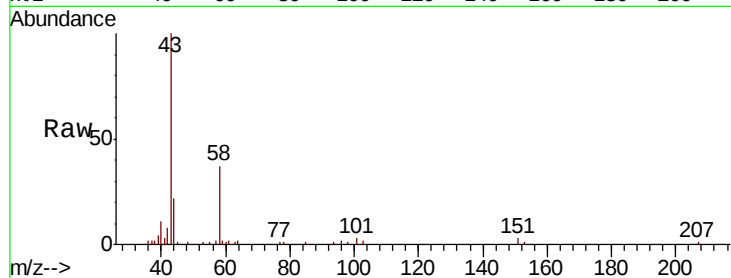
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion: 43 Resp: 26881
Ion Ratio Lower Upper
43 100
58 37.4 30.2 45.2

Manual Integrations
APPROVED

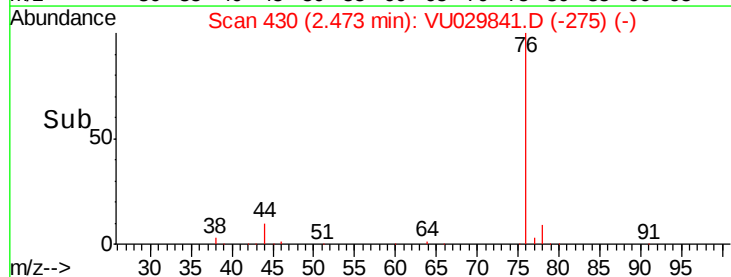
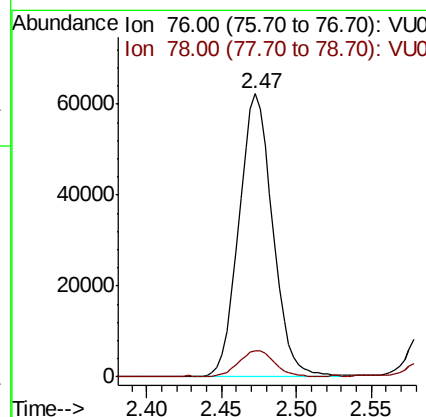
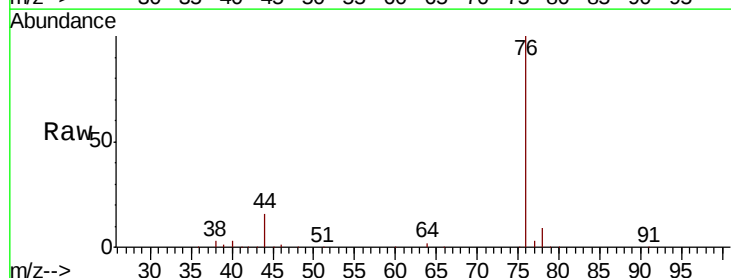
MMDadoda

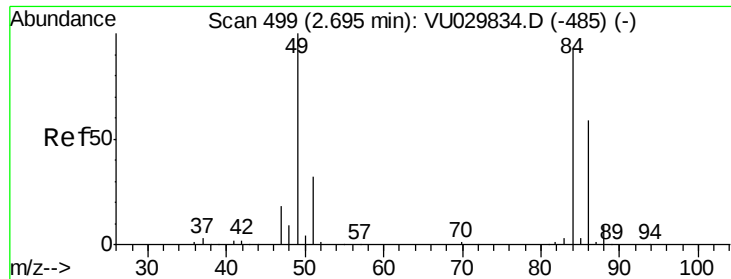
3/11/2019 4:50:41 PM



#14
Carbon Disulfide
Concen: 1.859 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 76 Resp: 98166
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#15
Methylene Chloride
Concen: 1.931 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

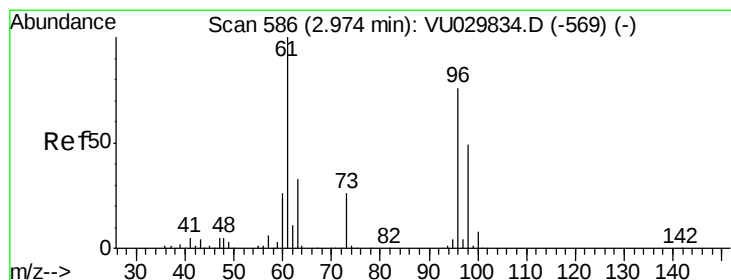
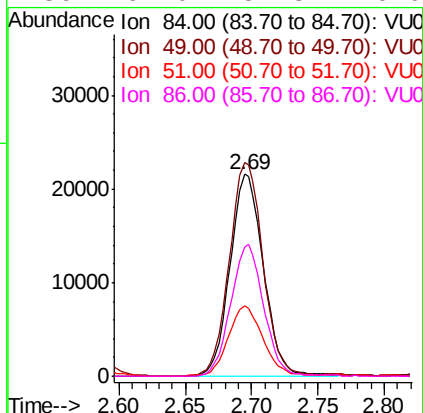
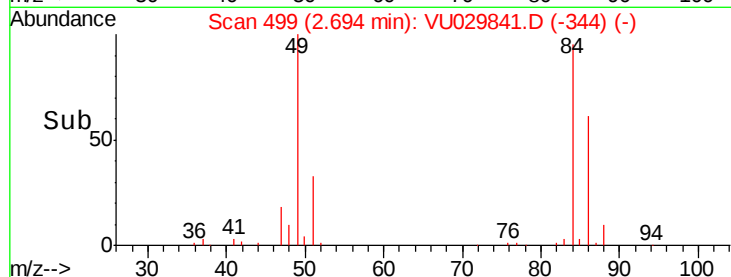
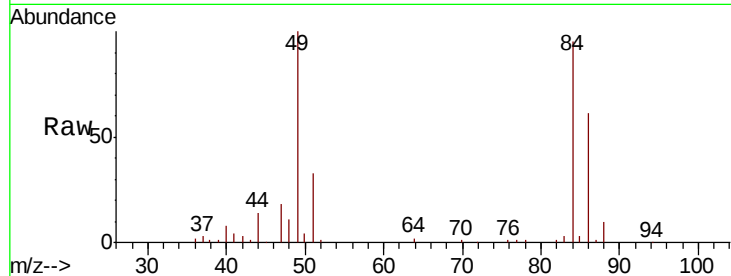
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.7	87.2	130.8
51	34.4	0.0	69.0
86	64.0	51.3	76.9

Manual Integrations
APPROVED

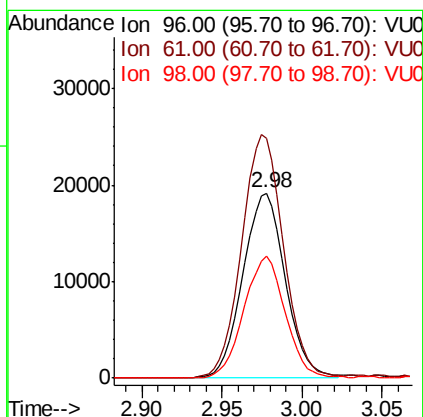
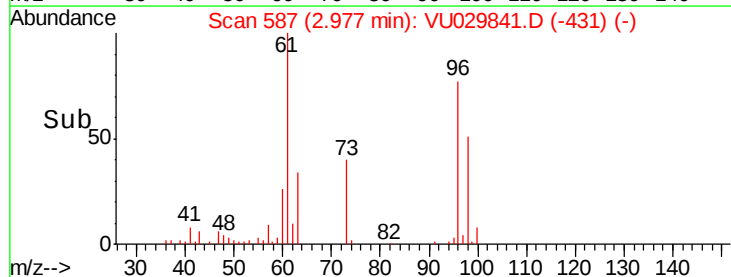
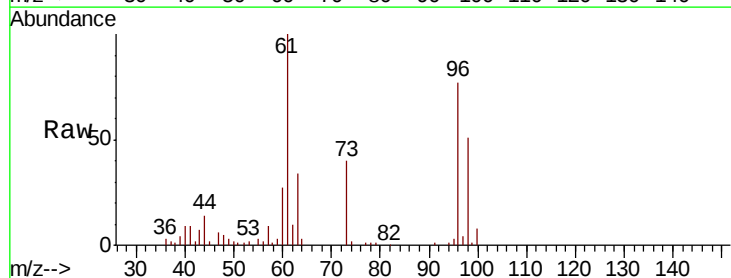
MMDadoda

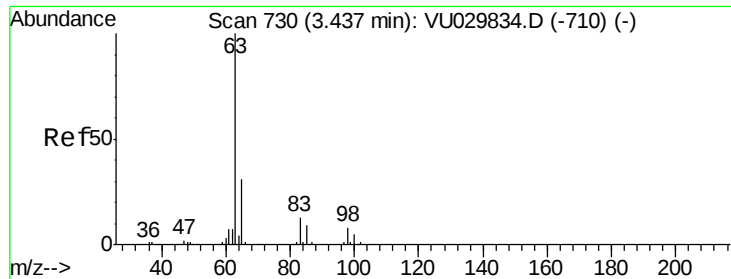
3/11/2019 4:50:41 PM



#16
trans-1,2-Dichloroethene
Concen: 1.891 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.5	104.7	157.1
98	66.0	50.9	76.3





#17
 1,1-Dichloroethane
 Concen: 1.889 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

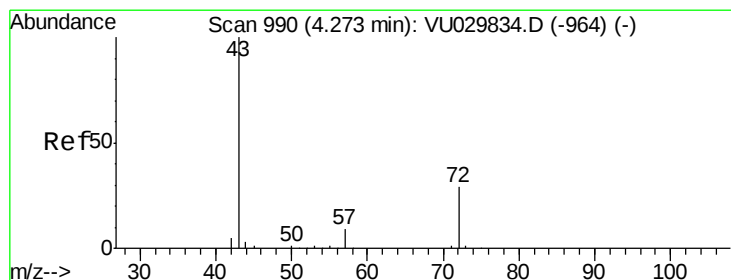
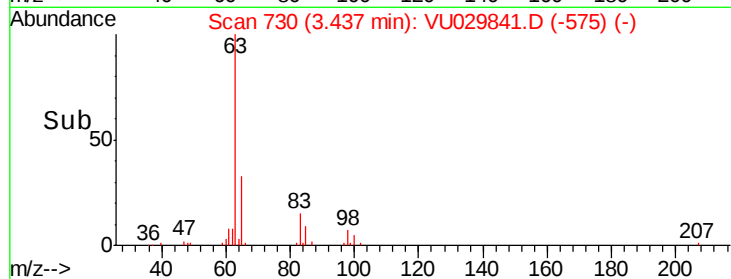
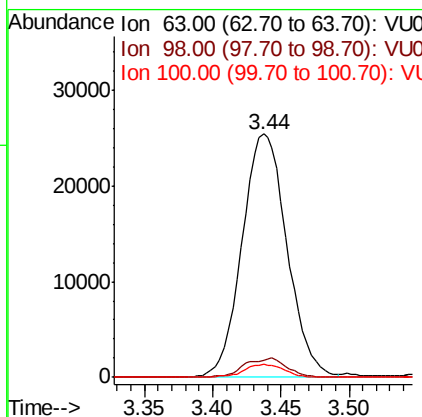
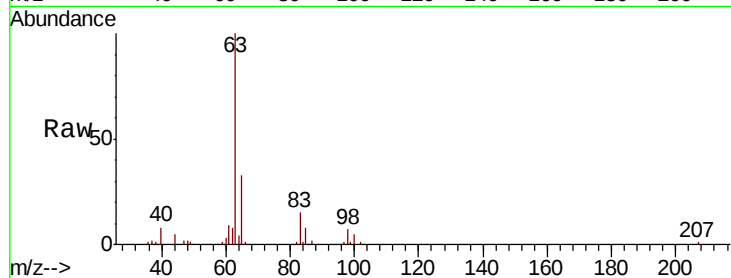
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.4
100	5.4	2.4	7.1

Manual Integrations
 APPROVED

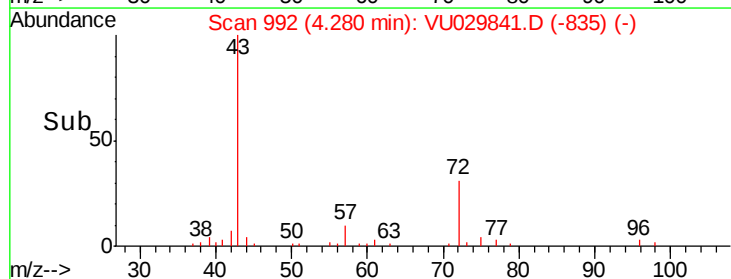
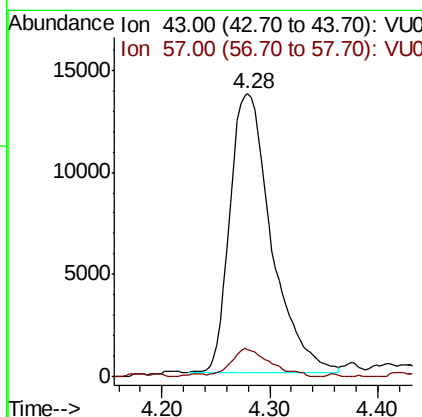
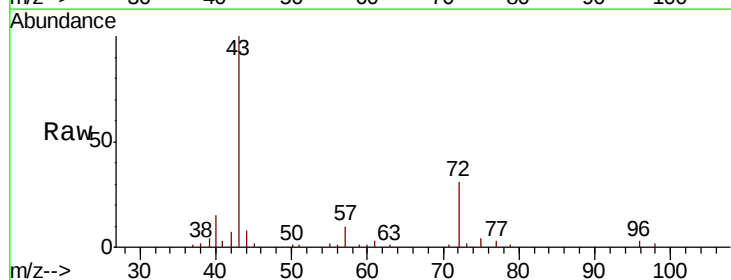
MMDadoda

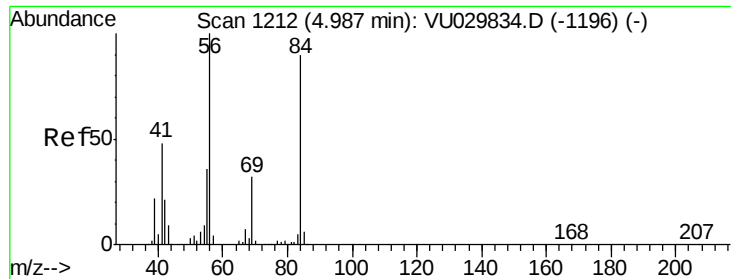
3/11/2019 4:50:41 PM



#18
 2-Butanone
 Concen: 9.187 ug/l
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	18.6





#19
Cyclohexane
Concen: 1.895 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

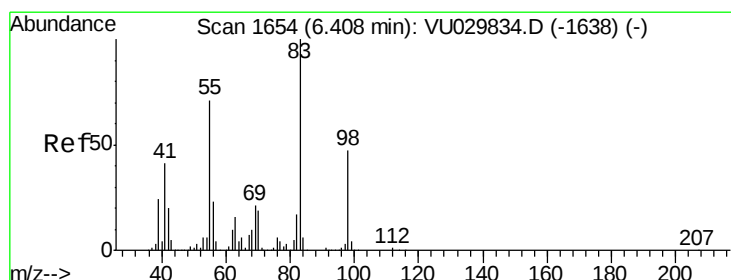
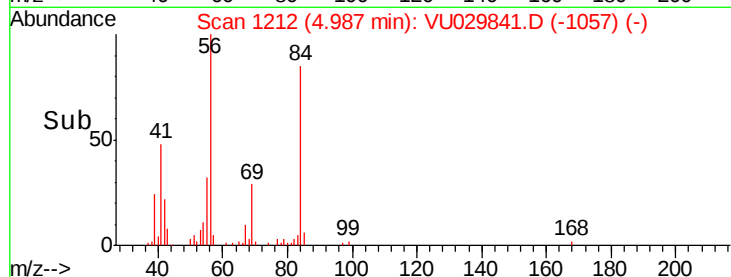
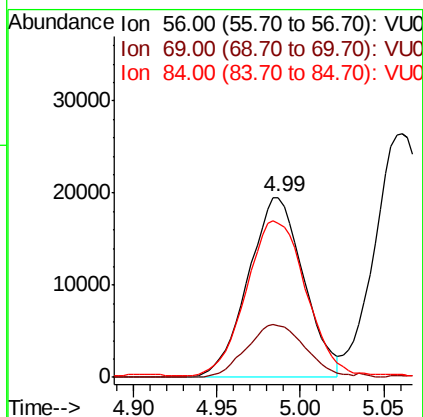
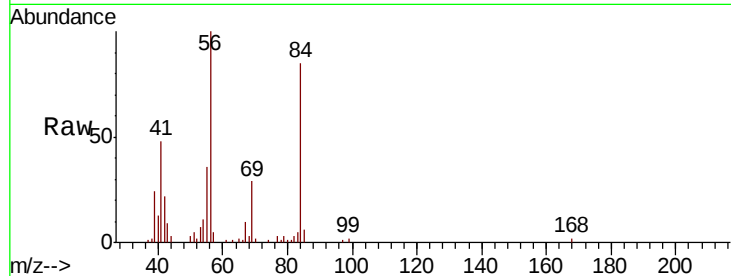
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.5	29.4	44.2
84	91.2	84.6	127.0

Manual Integrations
APPROVED

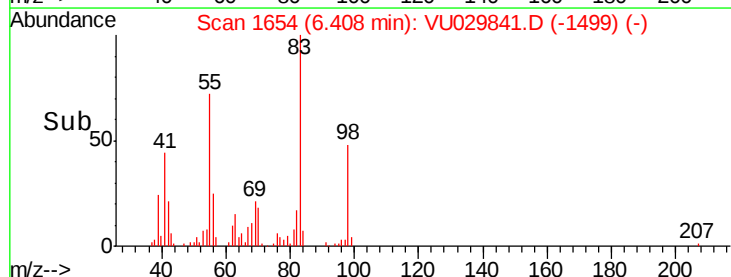
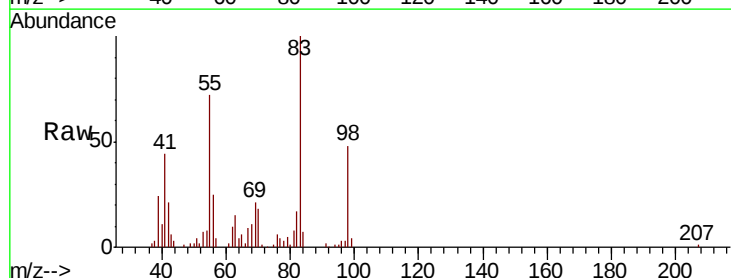
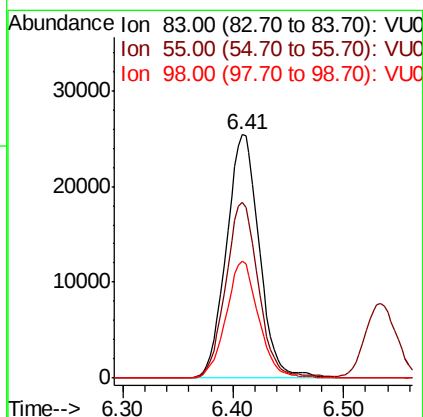
MMDadoda

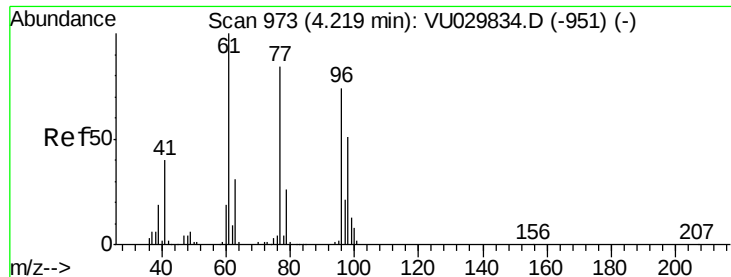
3/11/2019 4:50:41 PM



#20
Methylcyclohexane
Concen: 1.887 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.1	55.9	83.9
98	47.4	37.0	55.4





#21

2,2-Dichloropropane

Concen: 1.860 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 77 Resp: 46848

Ion Ratio Lower Upper

77 100

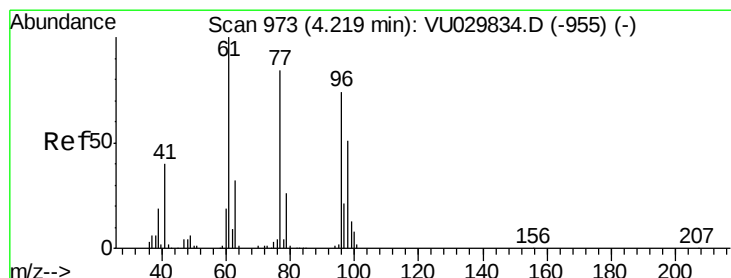
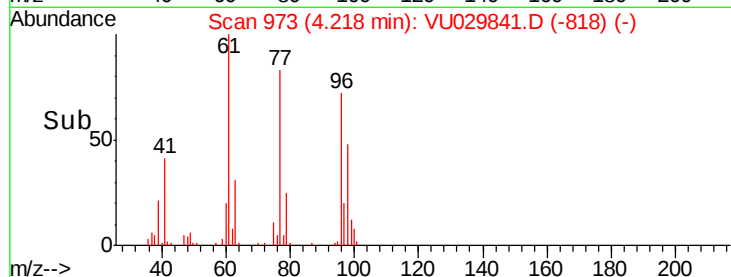
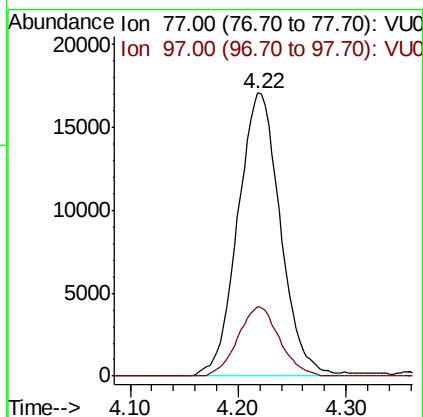
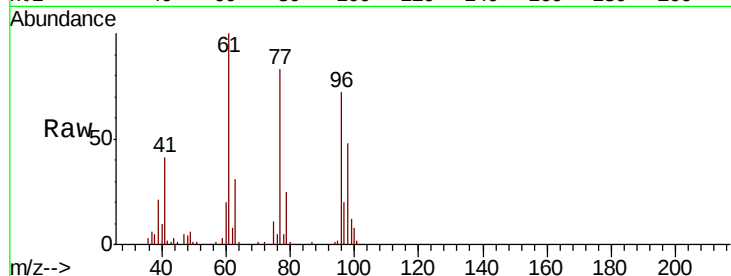
97 23.9 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:41 PM



#22

cis-1,2-Dichloroethene

Concen: 1.928 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

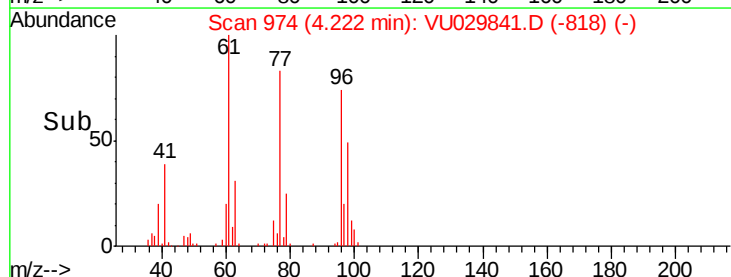
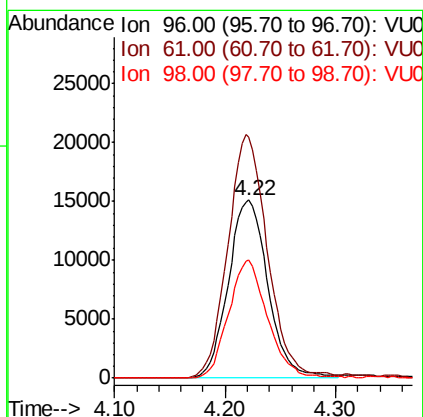
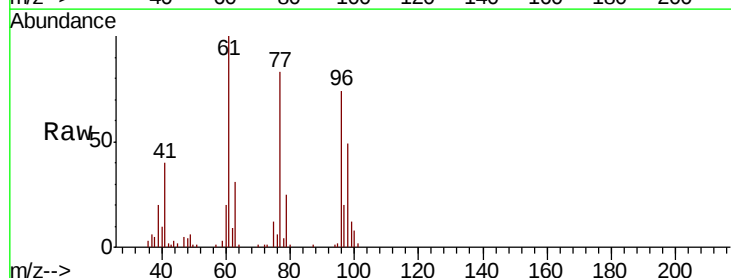
Tgt Ion: 96 Resp: 37646

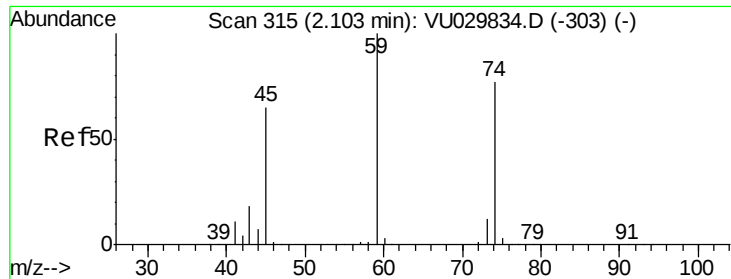
Ion Ratio Lower Upper

96 100

61 135.9 0.0 339.0

98 65.1 33.1 99.5





#23
Diethyl Ether
Concen: 1.927 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

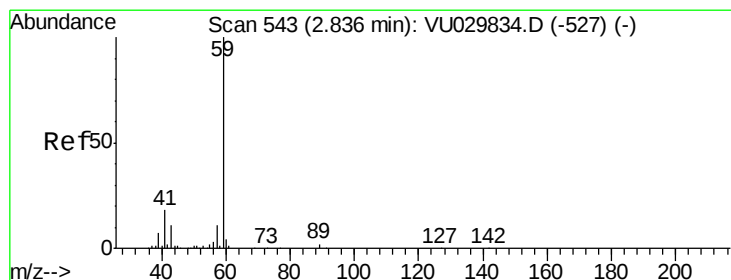
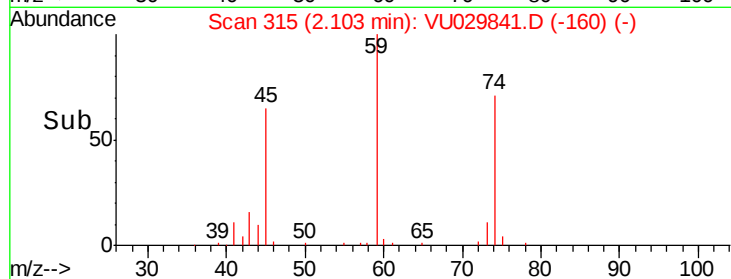
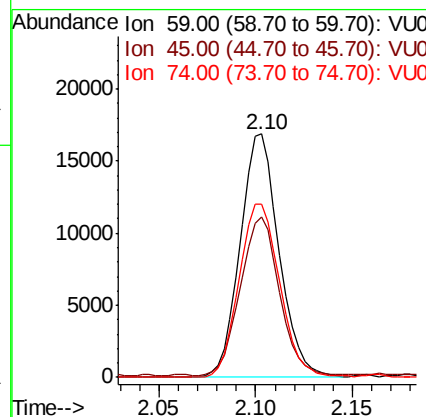
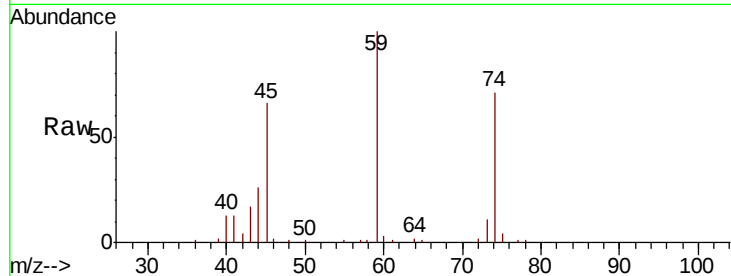
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
45	65.2	52.7	79.1
74	74.5	61.8	92.6

Manual Integrations
APPROVED

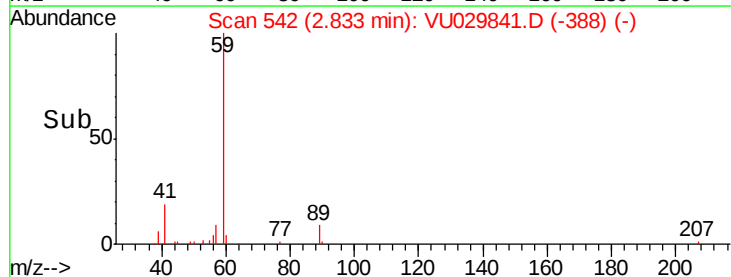
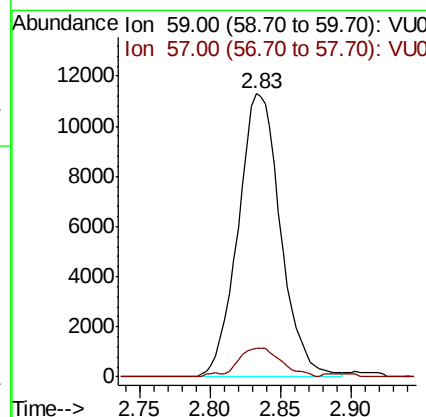
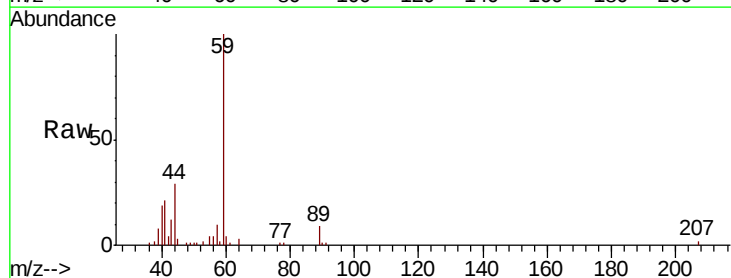
MMDadoda

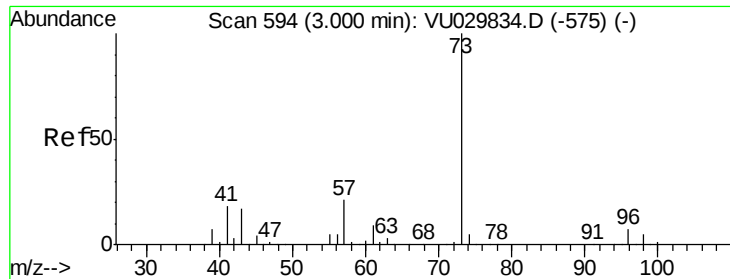
3/11/2019 4:50:41 PM



#24
tert-Butyl Alcohol
Concen: 18.892 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7





#25

Methyl tert-Butyl Ether

Concen: 1.944 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 73 Resp: 79838

Ion Ratio Lower Upper

73 100

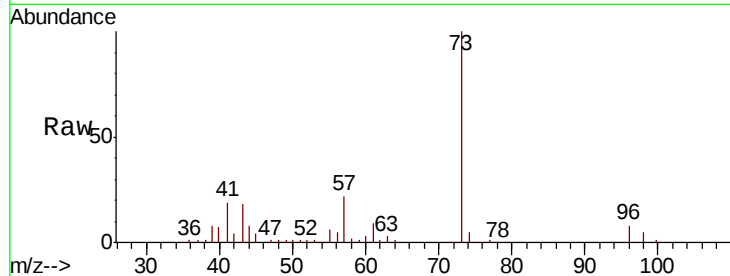
43 17.2 13.1 19.7

Manual Integrations

APPROVED

MMDadoda

3/11/2019 4:50:41 PM



Abundance Ion 73.00 (72.70 to 73.70): VU029834.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-575) (-)

3.00

40000

30000

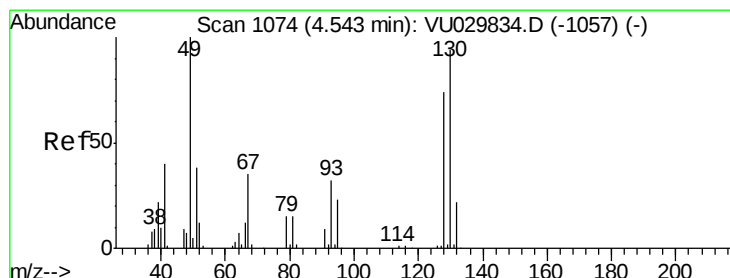
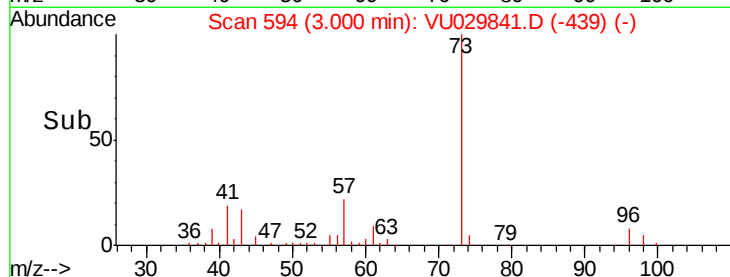
20000

10000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#26

Bromochloromethane

Concen: 1.932 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

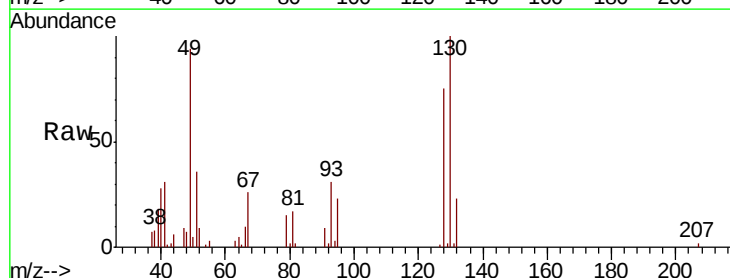
Tgt Ion: 128 Resp: 16747

Ion Ratio Lower Upper

128 100

49 131.2 0.0 270.6

130 134.9 104.2 156.4



Abundance Ion 128.00 (127.70 to 128.70): VU029834.D (-1057) (-)

Ion 49.00 (48.70 to 49.70): VU029834.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU029834.D (-1057) (-)

4.54

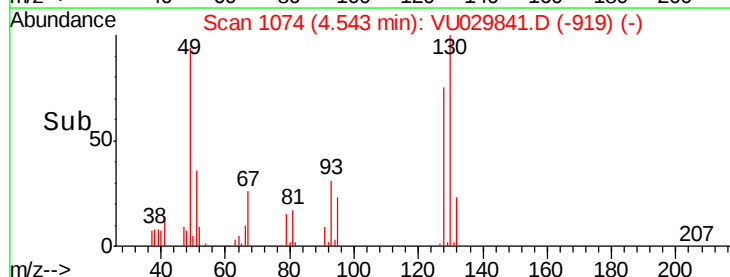
10000

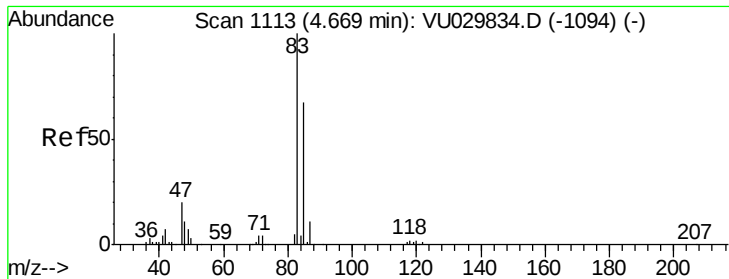
5000

0

Time-->

4.45 4.50 4.55 4.60





#27

Chloroform

Concen: 1.910 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 83 Resp: 59623

Ion Ratio Lower Upper

83 100

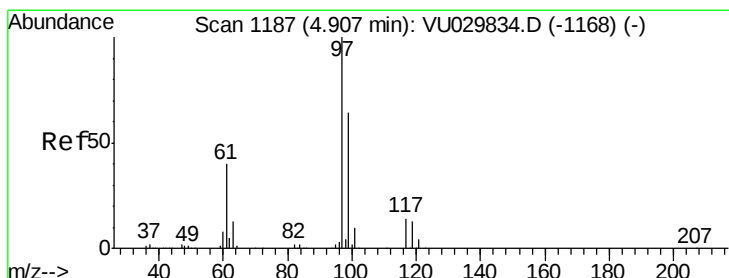
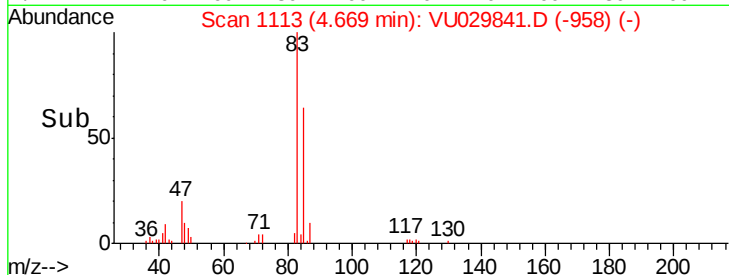
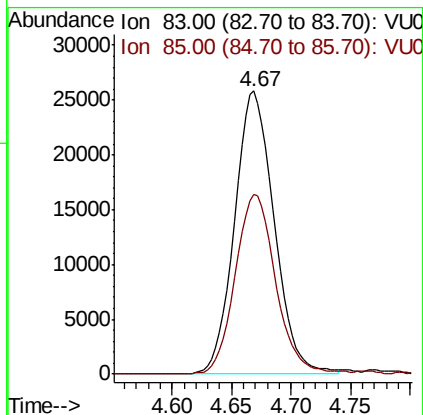
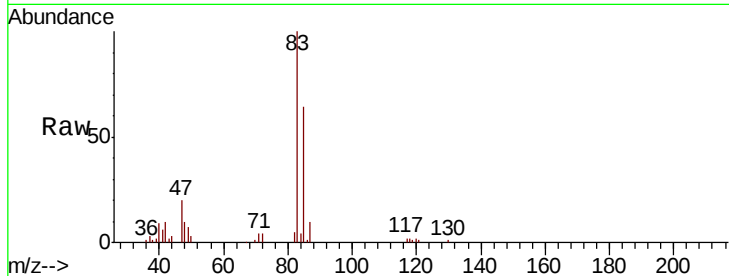
85 63.7 0.0 133.2

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 1.862 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

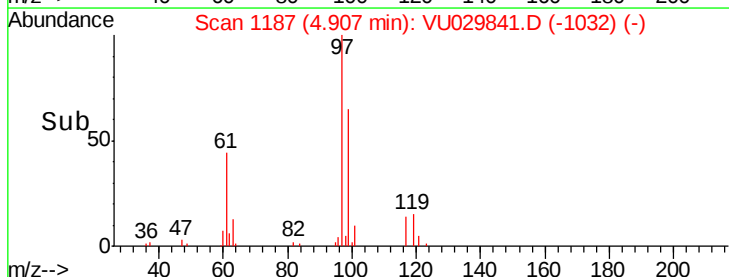
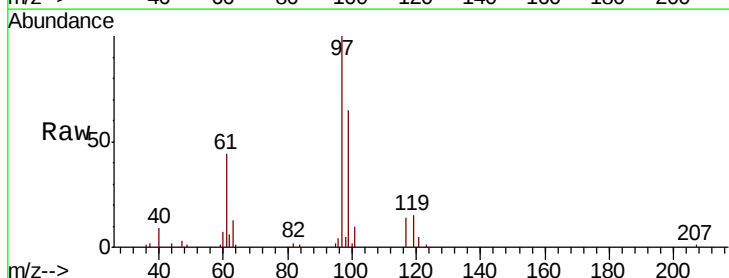
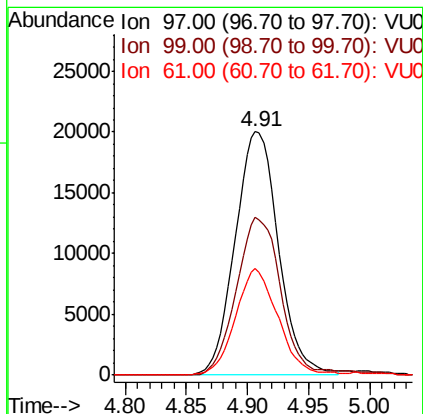
Tgt Ion: 97 Resp: 49272

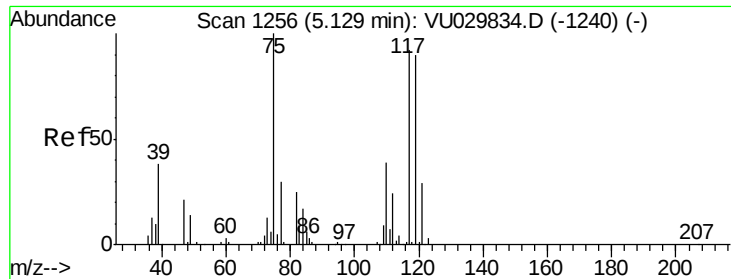
Ion Ratio Lower Upper

97 100

99 66.1 31.9 95.9

61 42.5 20.4 61.3





#29

1,1-Dichloropropene

Concen: 1.858 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampled :

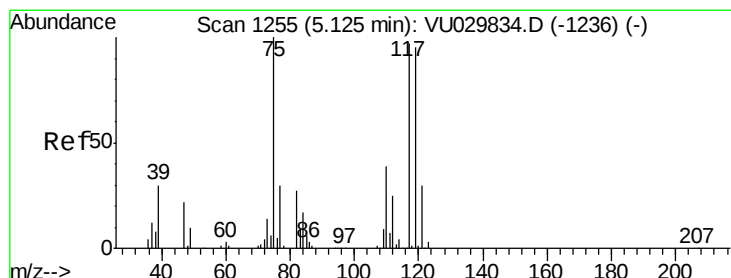
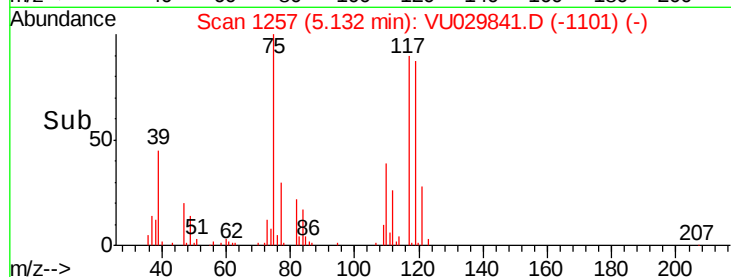
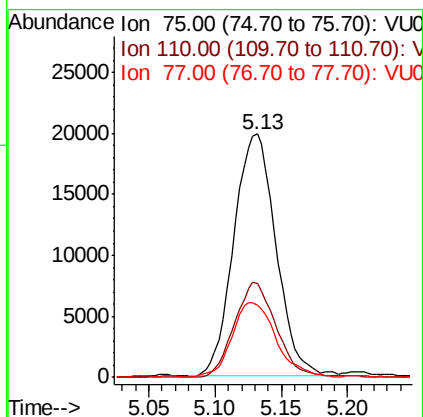
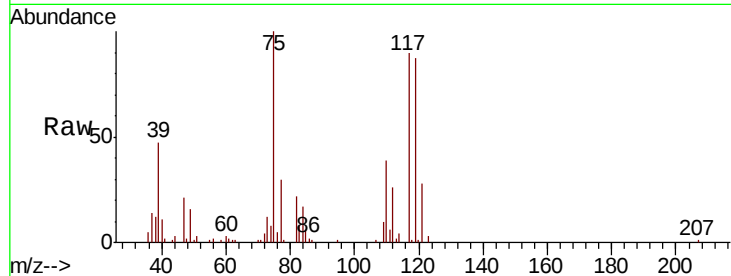
VU0307WBSD01

Tgt Ion:	75	Resp:	43695
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.1	57.5
77	32.6	23.9	35.9

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 1.903 ug/l

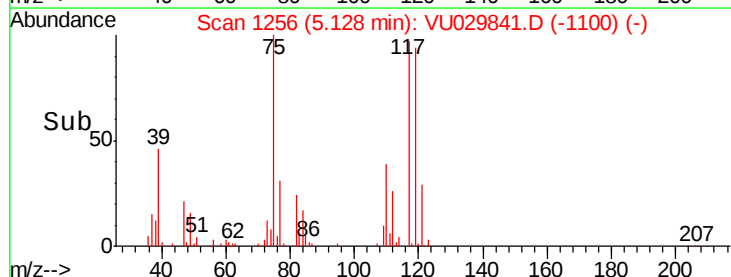
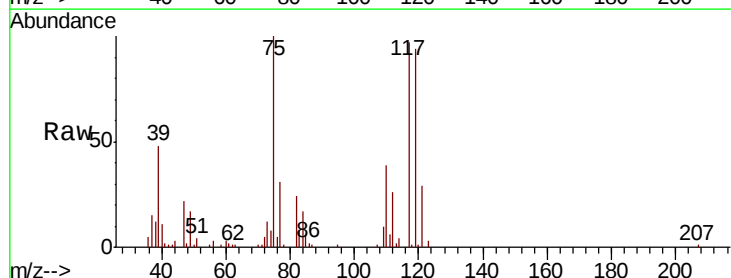
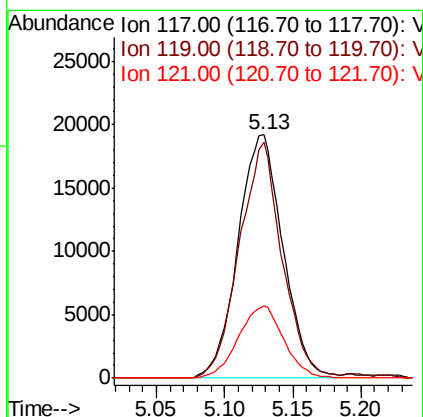
RT: 5.13 min Scan# 1256

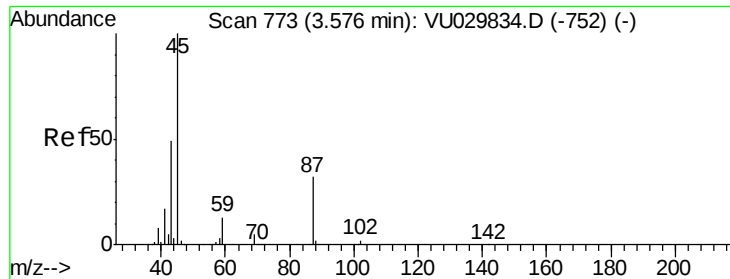
Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Tgt Ion:	117	Resp:	43930
Ion Ratio	Lower	Upper	
117	100		
119	96.8	78.4	117.6
121	29.5	25.0	37.4





#31

Isopropyl Ether

Concen: 1.940 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 45 Resp: 82450

Ion Ratio Lower Upper

45 100

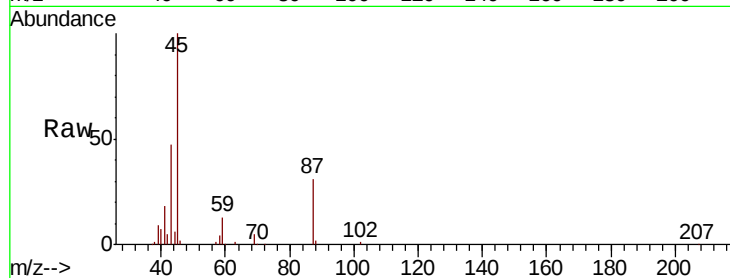
43 49.7 24.3 72.9

Manual Integrations

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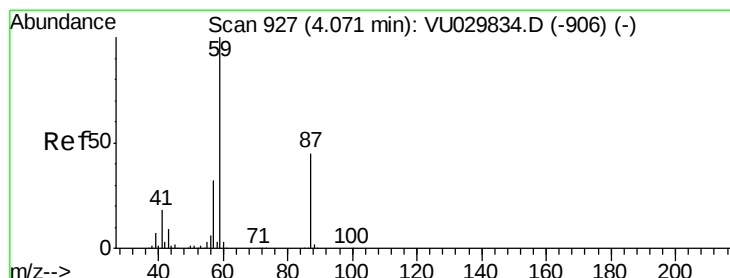
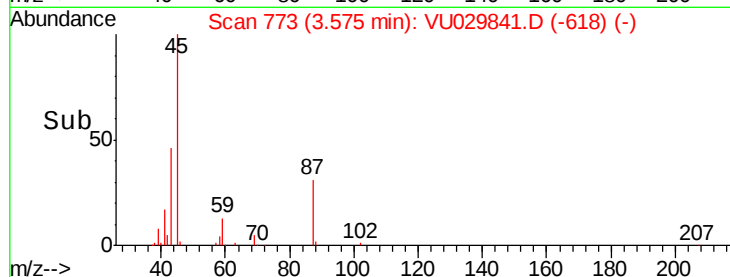
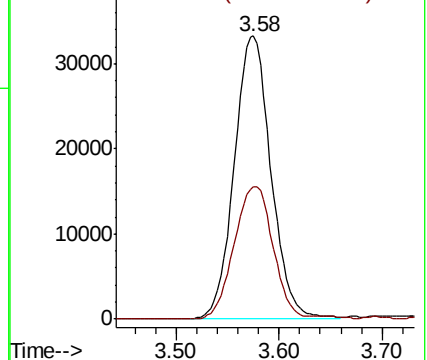
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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.952 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029841.D

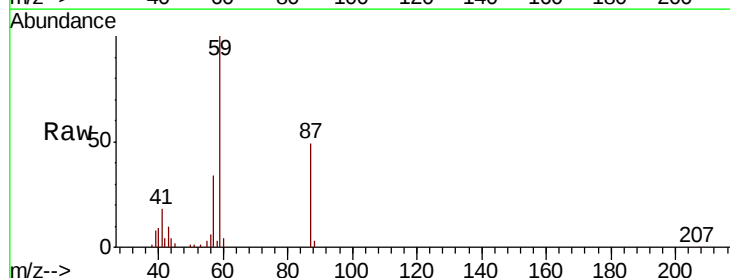
Acq: 06 Mar 2019 16:03

Tgt Ion: 59 Resp: 80644

Ion Ratio Lower Upper

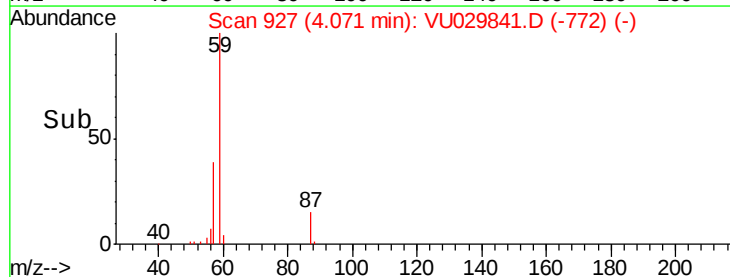
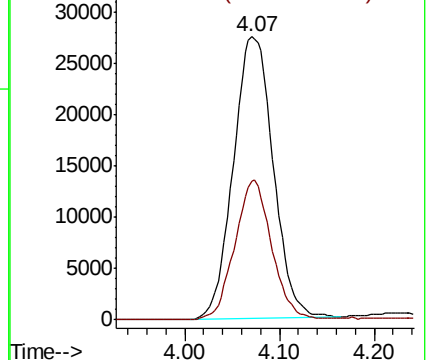
59 100

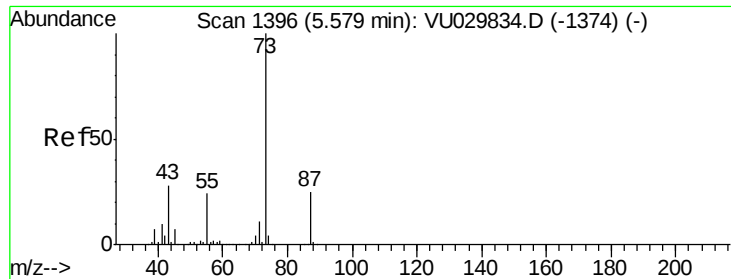
87 45.3 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#33
Tert-Amyl methyl ether
Concen: 1.946 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

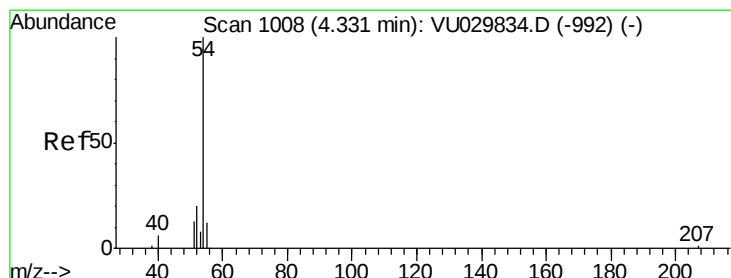
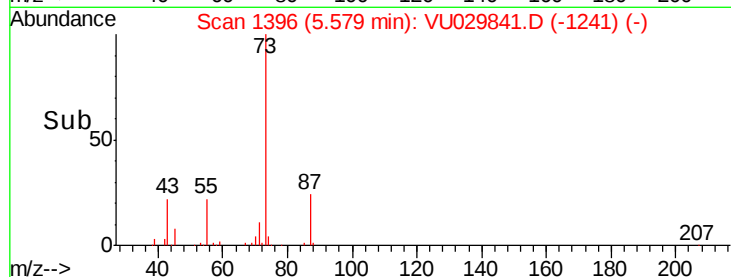
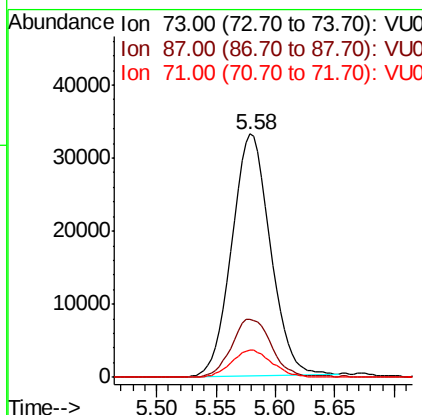
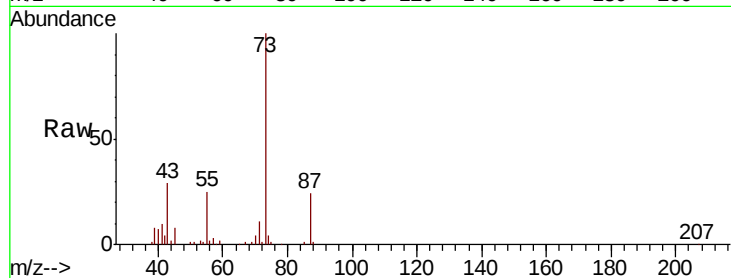
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.9	19.7	29.5
71	11.7	9.4	14.2

Manual Integrations
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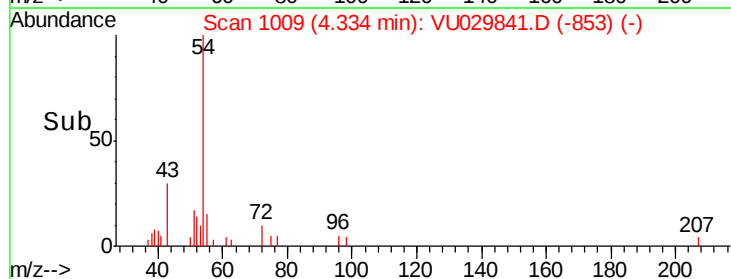
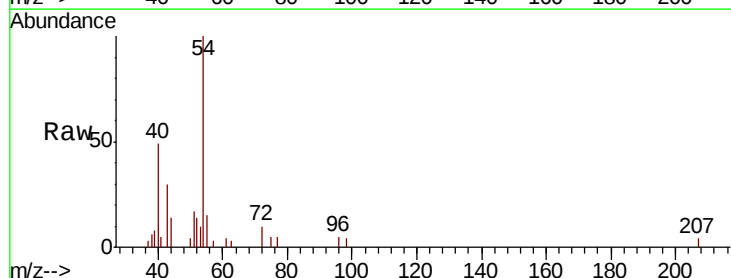
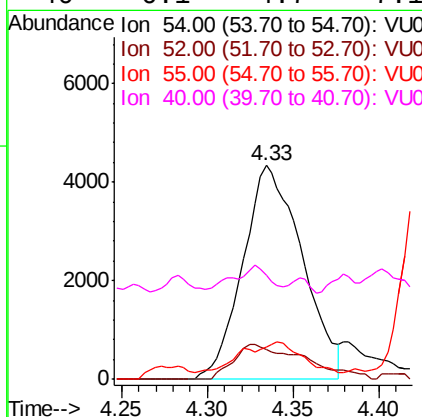
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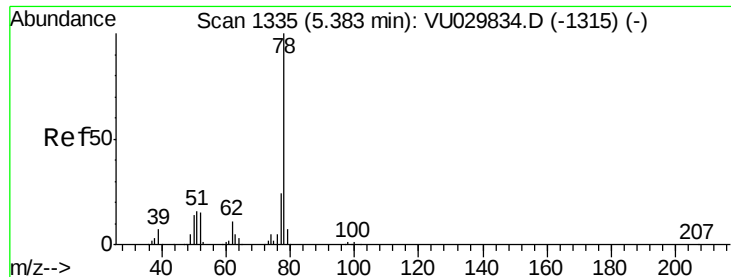
3/11/2019 4:50:41 PM



#34
Propionitrile
Concen: 8.734 ug/l
RT: 4.33 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.5	16.1	24.1
55	10.6	11.2	16.8#
40	6.1	4.7	7.1





#35

Benzene

Concen: 1.940 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 78 Resp: 134416

Ion Ratio Lower Upper

78 100

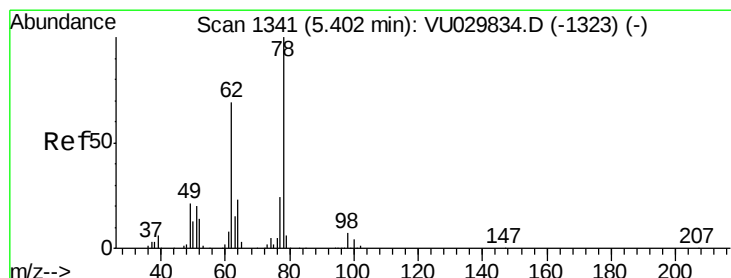
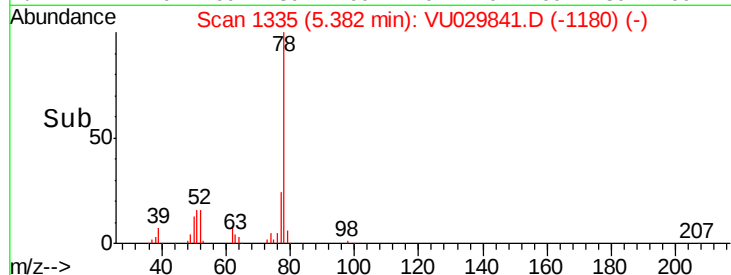
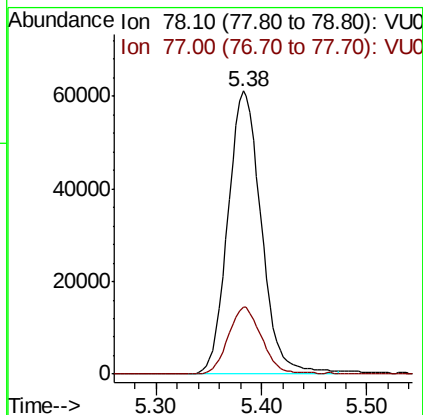
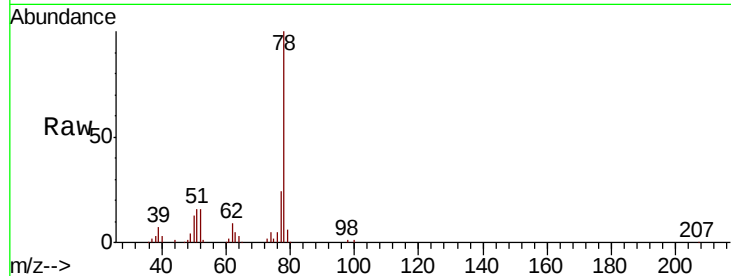
77 23.8 19.2 28.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.889 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029841.D

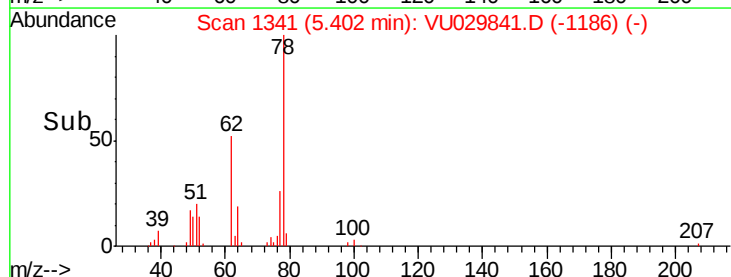
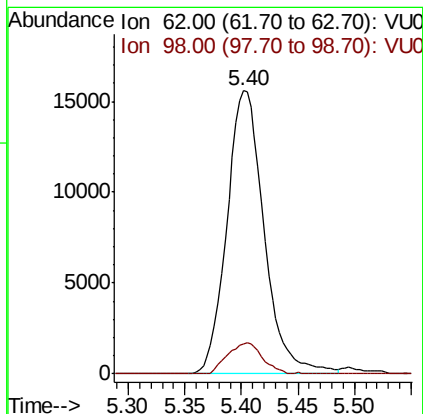
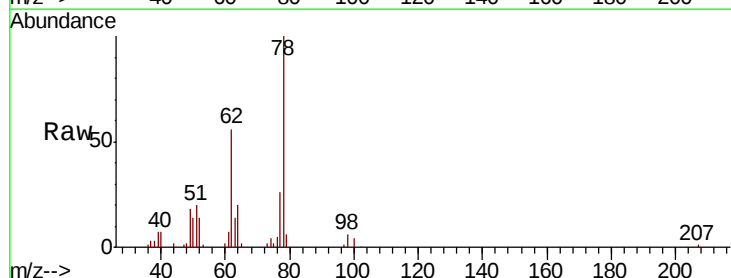
Acq: 06 Mar 2019 16:03

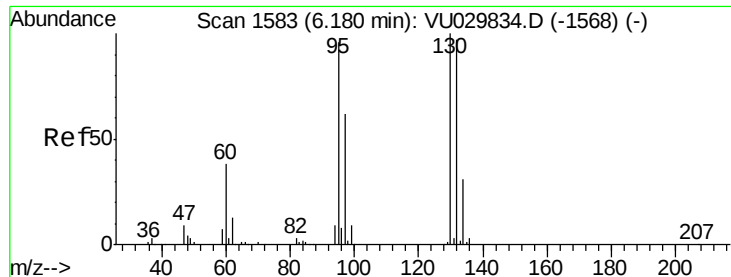
Tgt Ion: 62 Resp: 35730

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.2





#37
 Trichloroethene
 Concen: 1.911 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

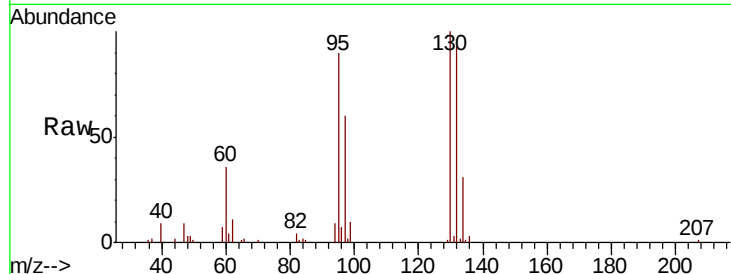
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion: 130 Resp: 38643
 Ion Ratio Lower Upper
 130 100
 95 90.4 76.6 114.8

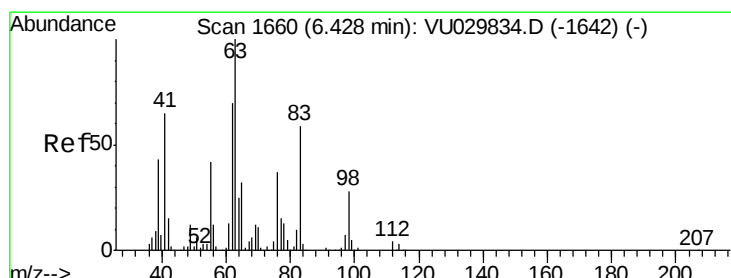
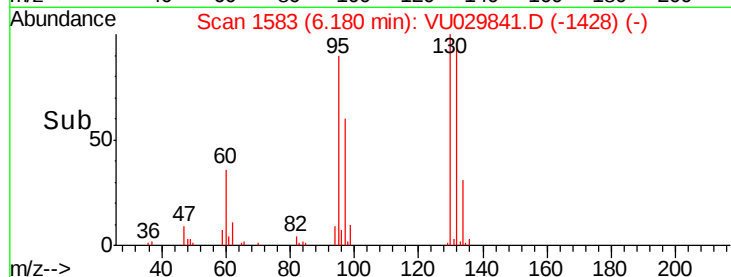
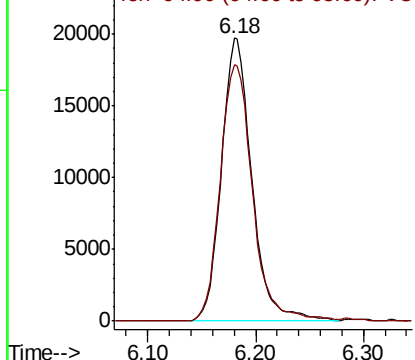
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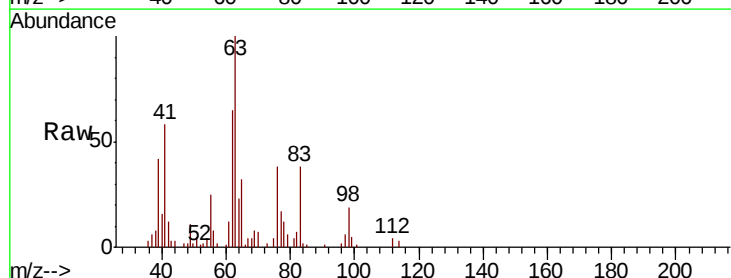


Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)

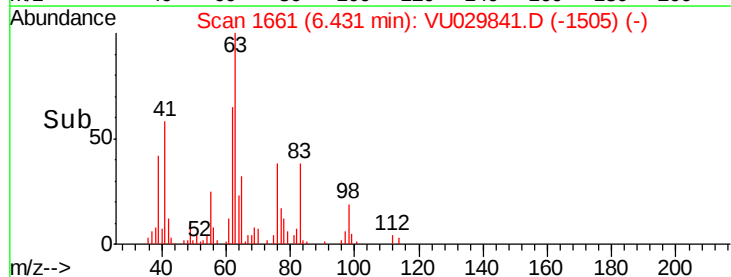
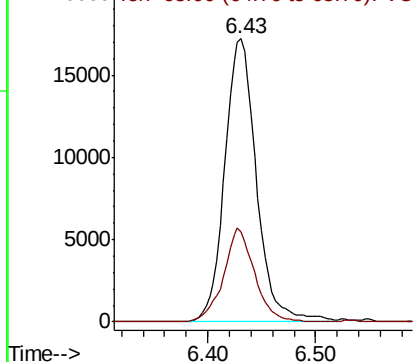


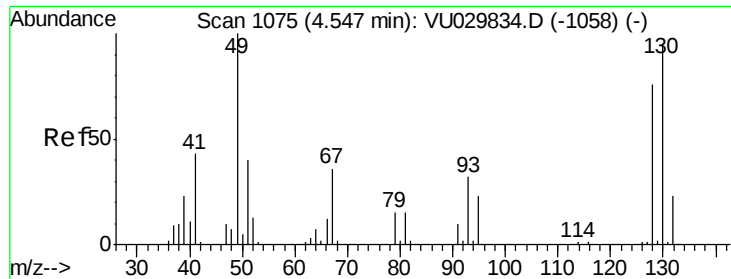
#38
 1,2-Dichloropropane
 Concen: 2.015 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 63 Resp: 35332
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU029834.D (-1642) (-)





#39
Methacrylonitrile
Concen: 1.883 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

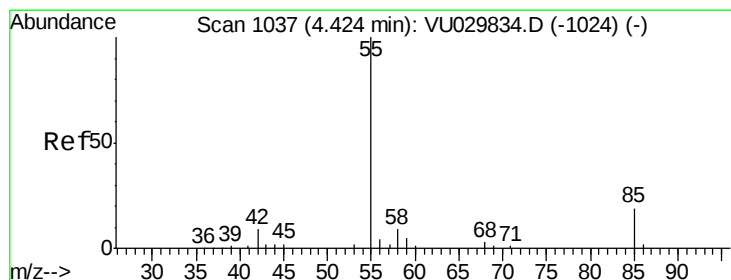
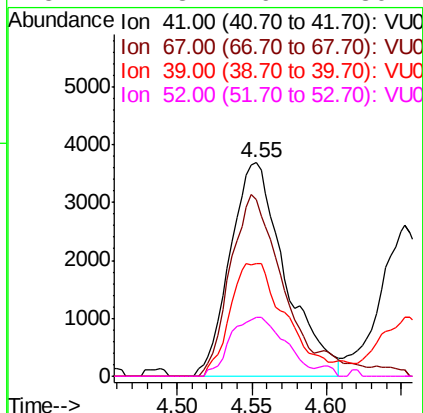
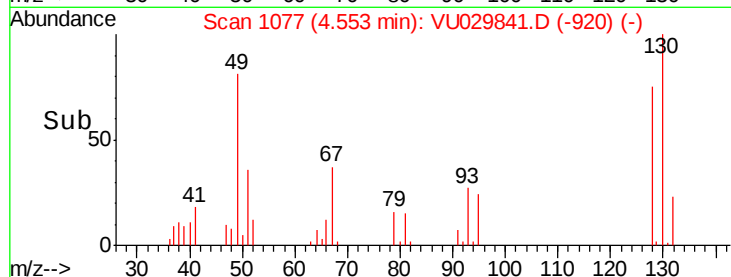
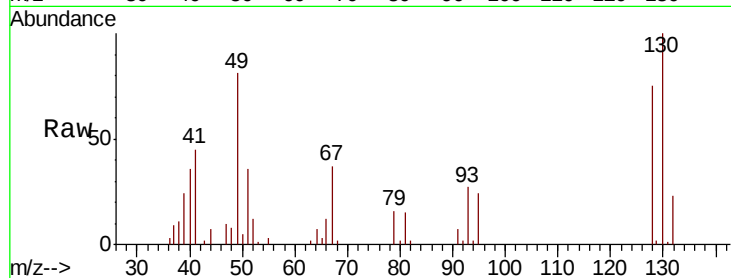
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion:	41	Resp:	9427
Ion	Ratio	Lower	Upper
41	100		
67	84.0	68.4	102.6
39	54.0	42.6	63.8
52	27.3	26.2	39.4

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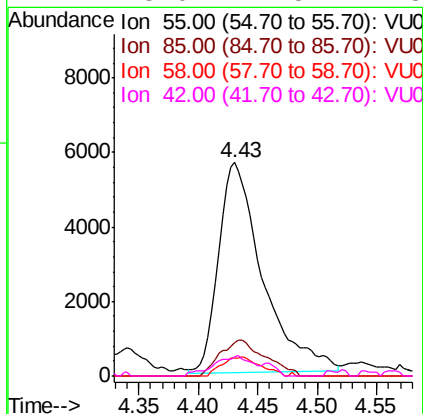
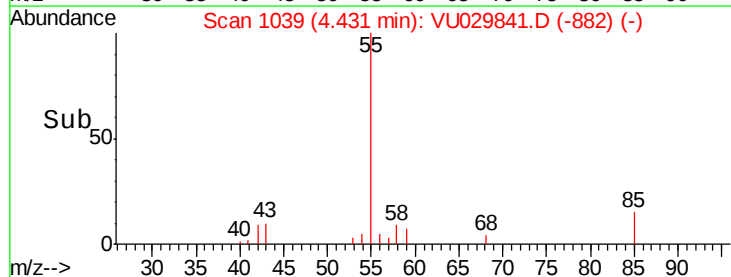
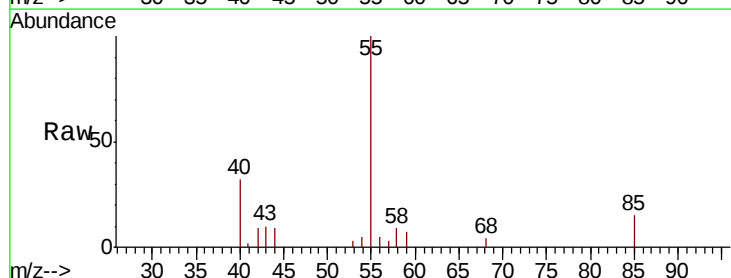
MMDadoda

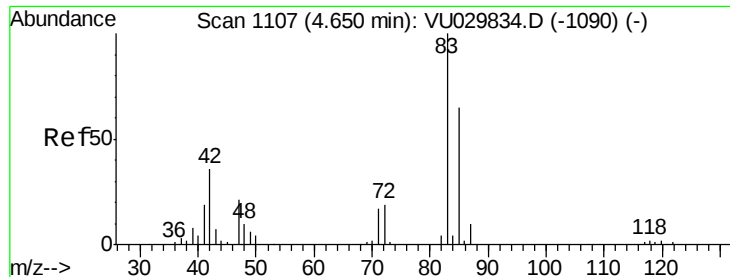
3/11/2019 4:50:41 PM



#40
Methyl acrylate
Concen: 1.834 ug/l
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:	55	Resp:	14513
Ion	Ratio	Lower	Upper
55	100		
85	17.3	15.2	22.8
58	7.9	7.6	11.4
42	8.0	7.5	11.3





#41

Tetrahydrofuran

Concen: 3.790 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

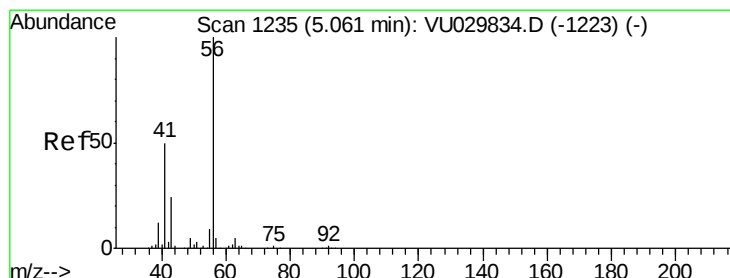
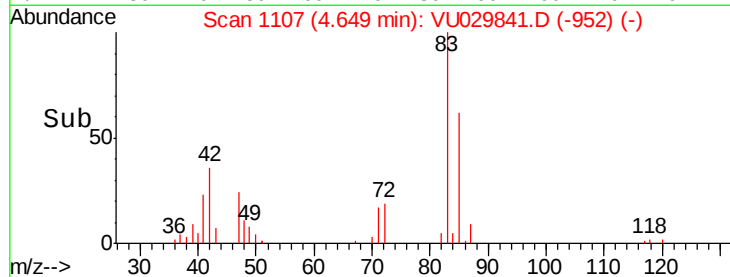
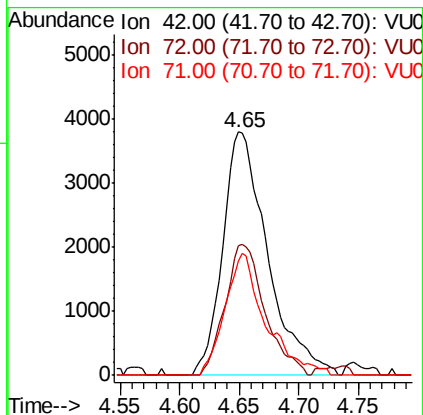
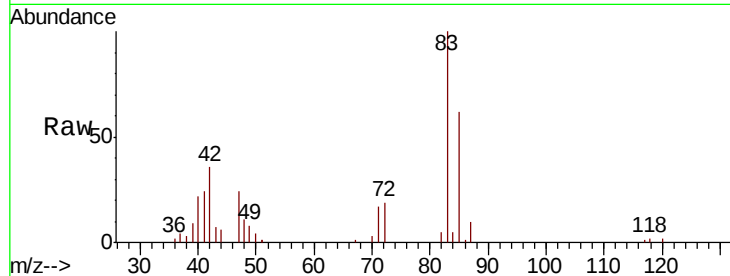
VU0307WBSD01

Tgt Ion:	42	Resp:	9927
Ion	Ratio	Lower	Upper
42	100		
72	47.8	43.6	65.4
71	45.3	37.5	56.3

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.924 ug/l

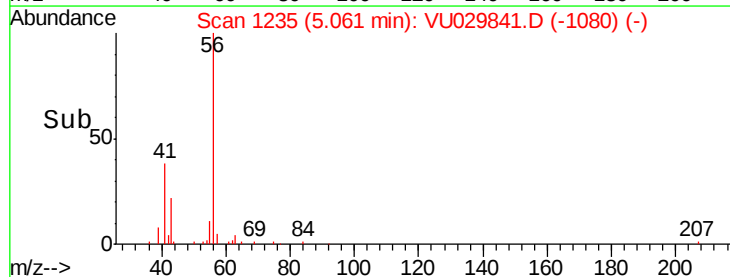
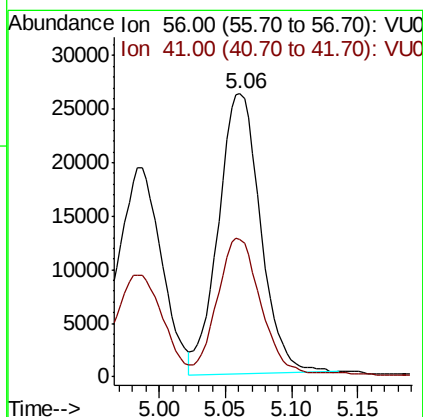
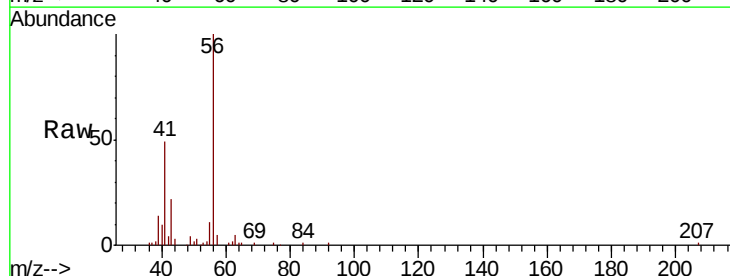
RT: 5.06 min Scan# 1235

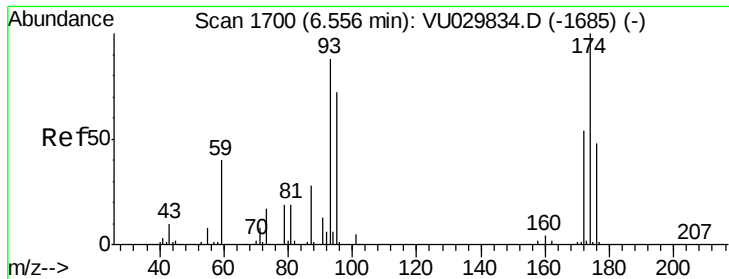
Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Tgt Ion:	56	Resp:	57786
Ion	Ratio	Lower	Upper
56	100		
41	49.2	25.0	75.0





#43

Dibromomethane

Concen: 2.004 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

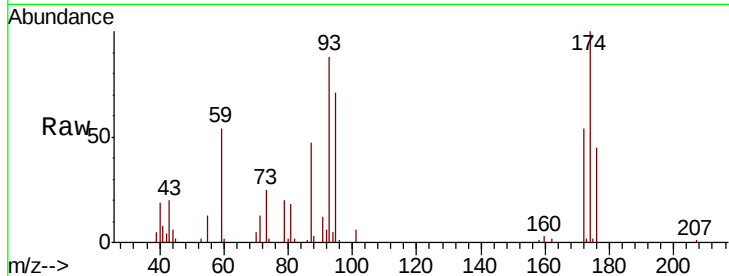
VU0307WBSD01

Tgt Ion:	93	Resp:	18208
Ion	Ratio	Lower	Upper
93	100		
95	79.6	67.0	100.6
174	113.3	91.4	137.2

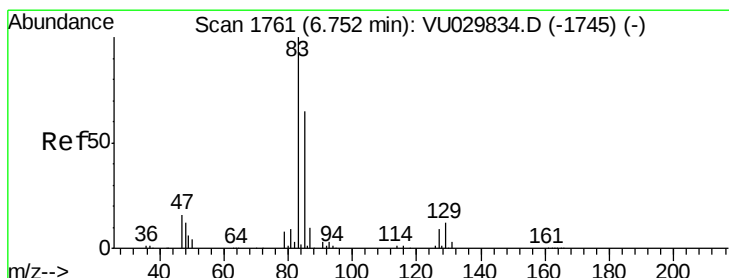
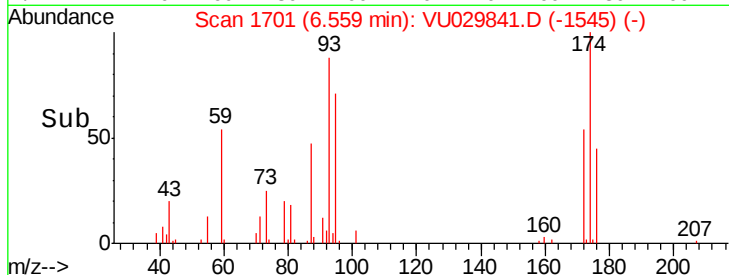
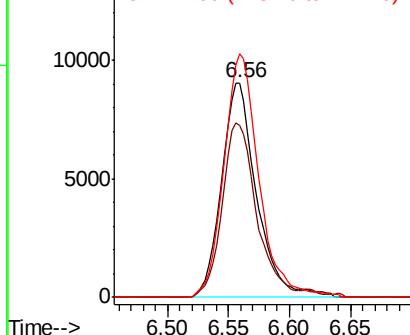
Manual Integrations
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Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.847 ug/l

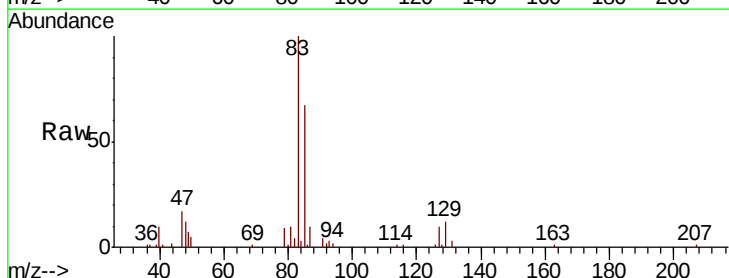
RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

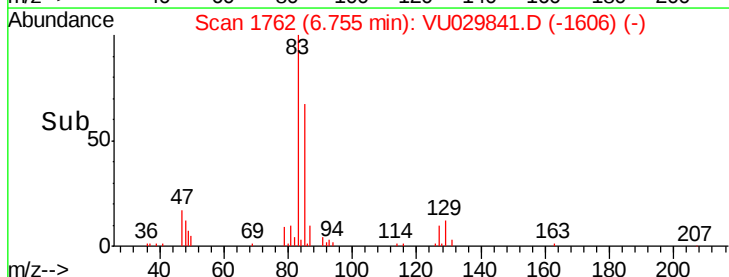
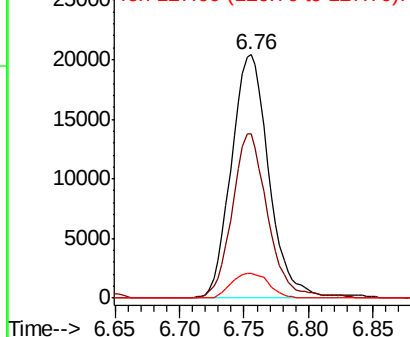
Lab File: VU029841.D

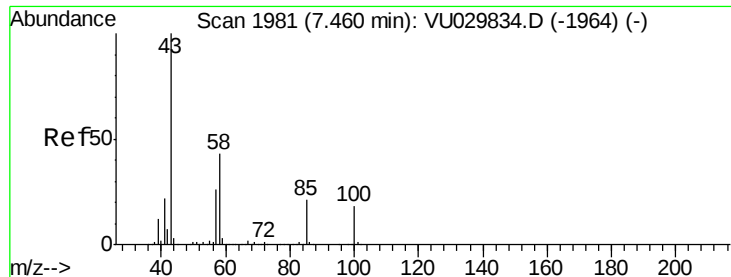
Acq: 06 Mar 2019 16:03

Tgt Ion:	83	Resp:	41222
Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.7	77.5
127	10.0	7.4	11.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





#45
4-Methyl-2-Pentanone
Concen: 9.678 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

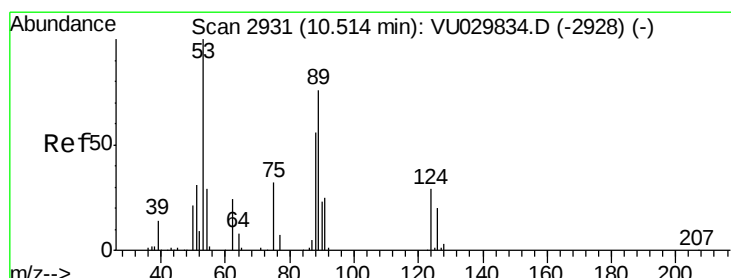
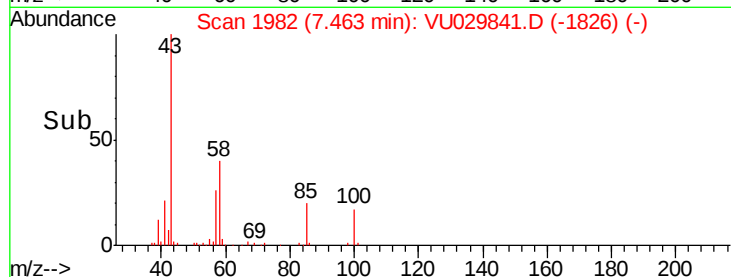
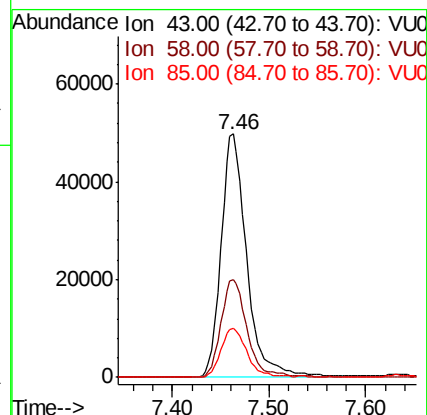
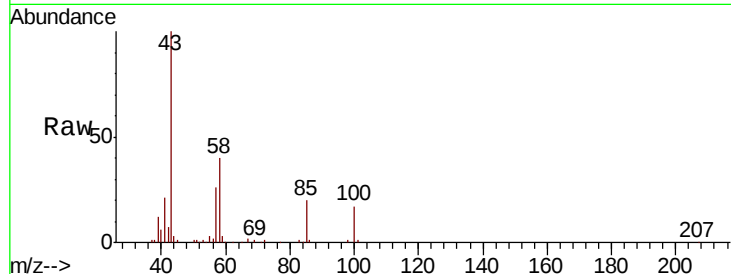
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	21.6	65.0
85	20.4	16.5	24.7

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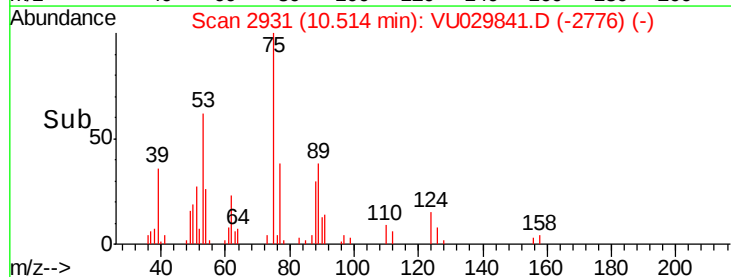
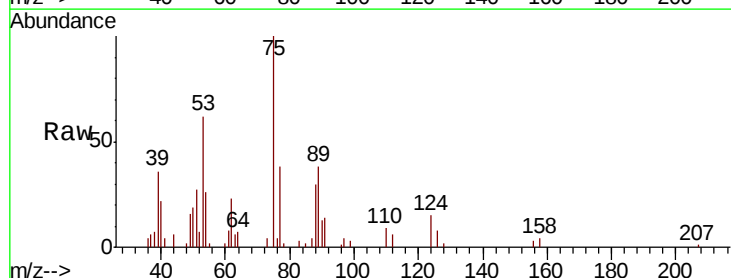
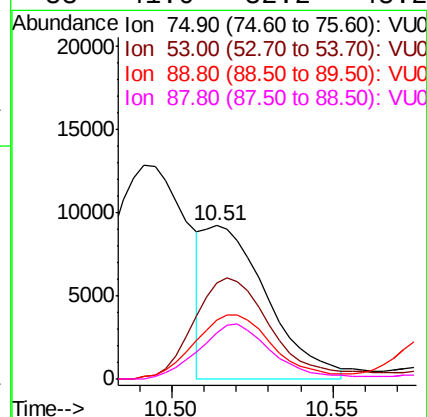
MMDadoda

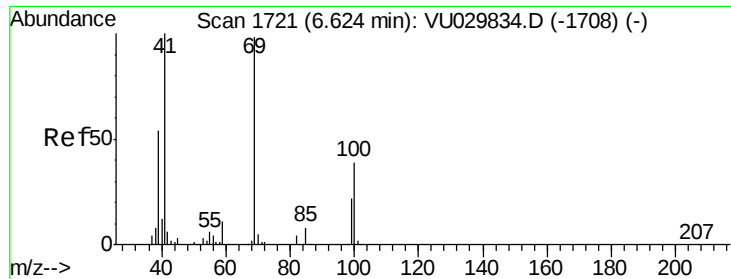
3/11/2019 4:50:41 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.177 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
53	82.3	59.2	88.8
89	51.9	44.9	67.3
88	41.0	32.2	48.2





#47
Methyl methacrylate
Concen: 3.775 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

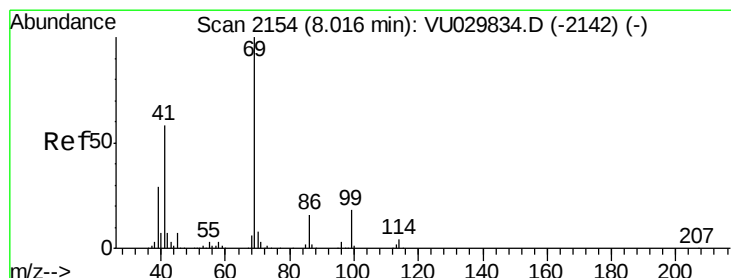
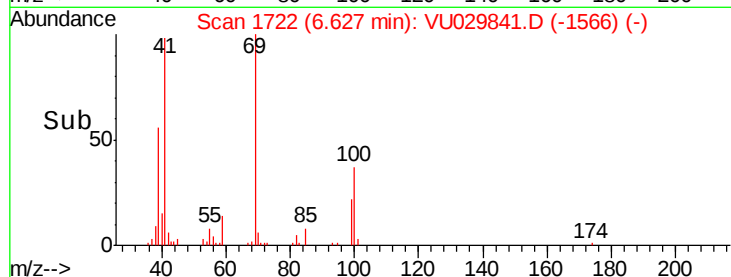
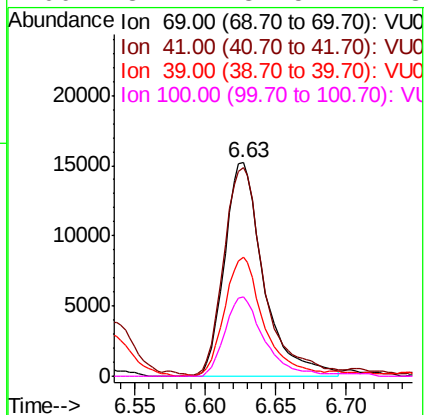
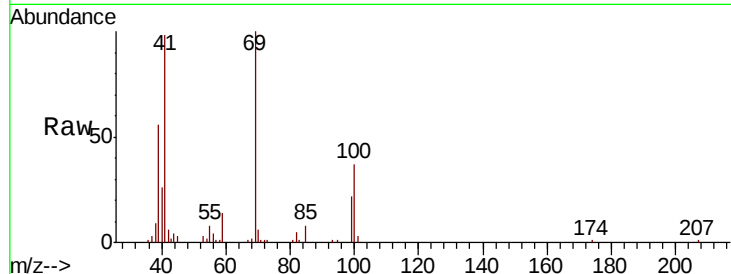
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	99.4	0.0	201.0	
39	55.8	43.3	64.9	
100	37.2	31.5	47.3	

Manual Integrations
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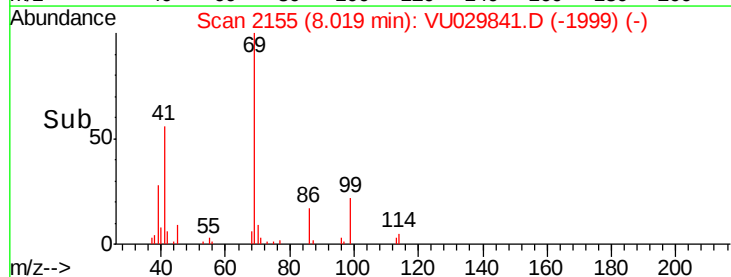
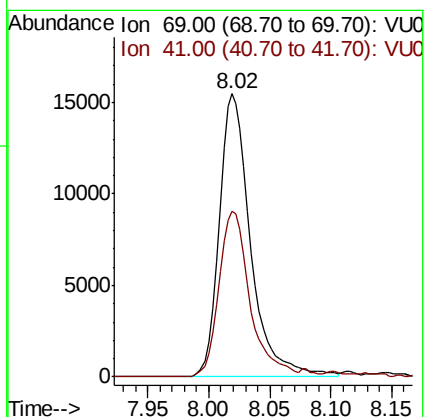
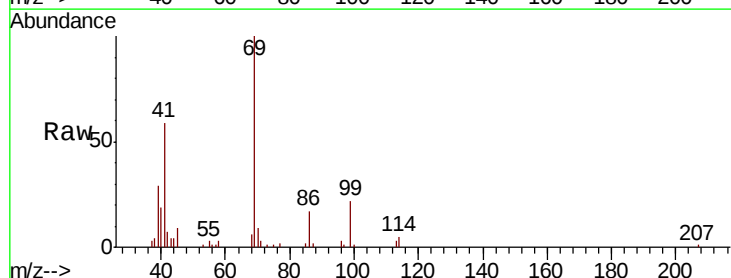
MMDadoda

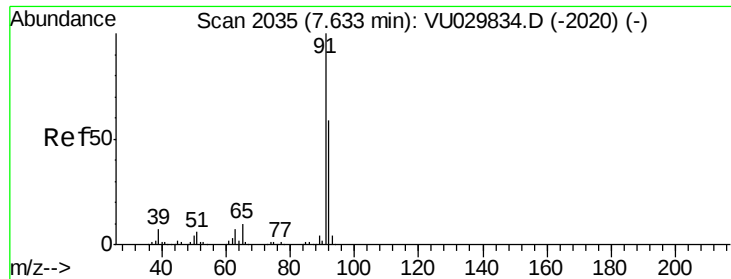
3/11/2019 4:50:41 PM



#48
Ethyl methacrylate
Concen: 1.864 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.3	29.0	87.1	





#49

Toluene

Concen: 1.899 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 92 Resp: 80779

Ion Ratio Lower Upper

92 100

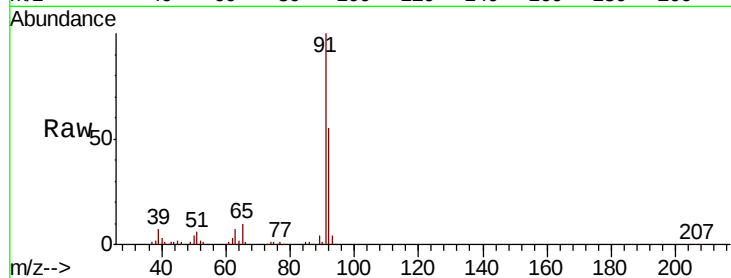
91 175.9 137.8 206.8

Manual Integrations

APPROVED

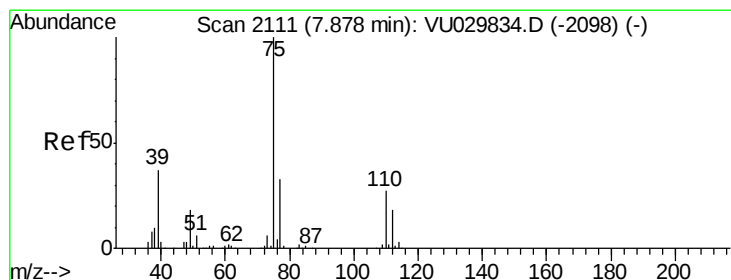
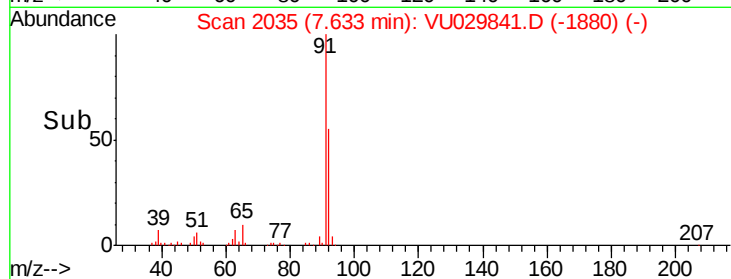
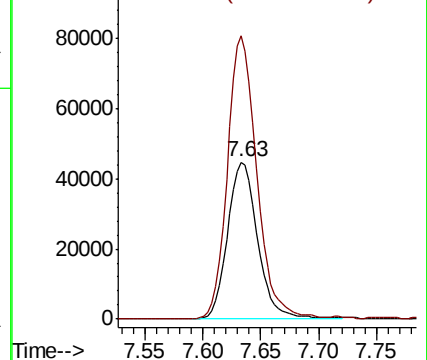
MMDadoda

3/11/2019 4:50:41 PM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.838 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029841.D

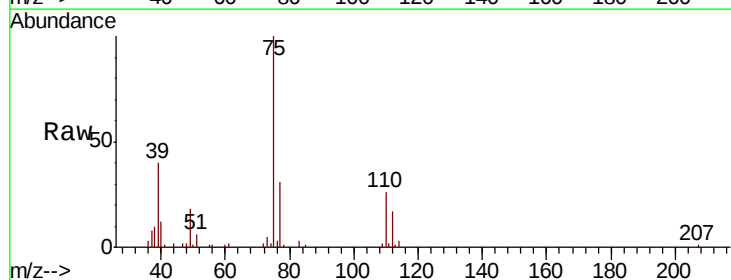
Acq: 06 Mar 2019 16:03

Tgt Ion: 75 Resp: 35953

Ion Ratio Lower Upper

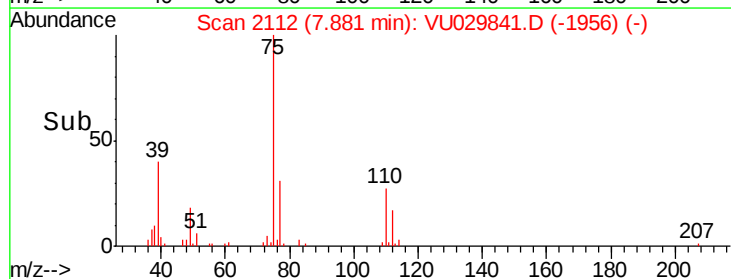
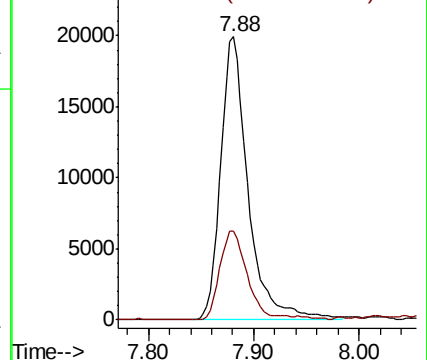
75 100

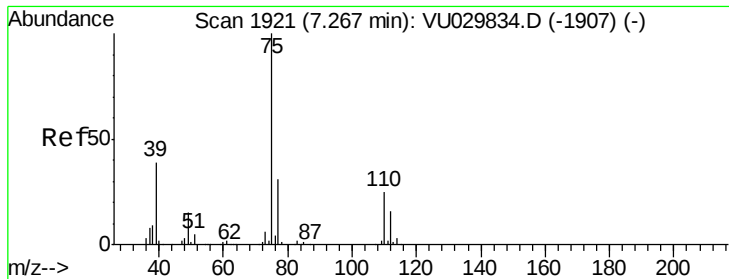
77 31.2 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene
Concen: 1.862 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

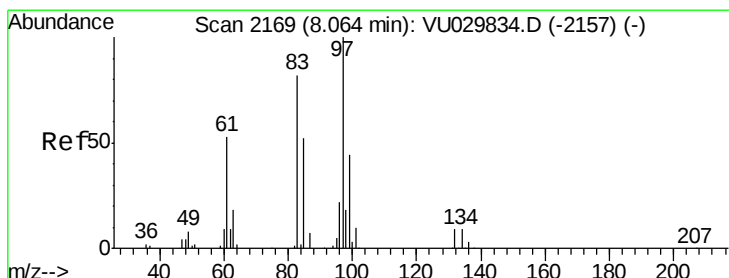
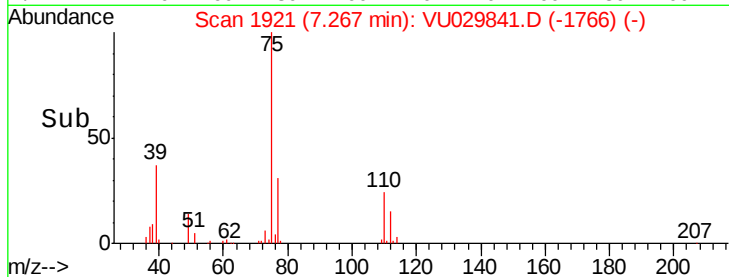
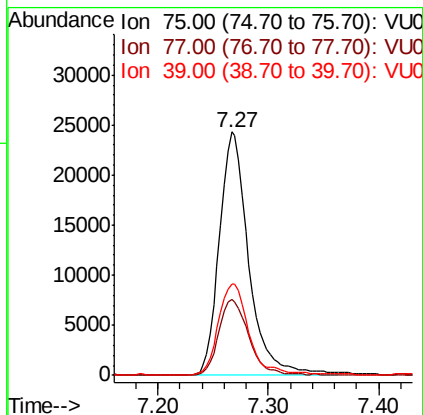
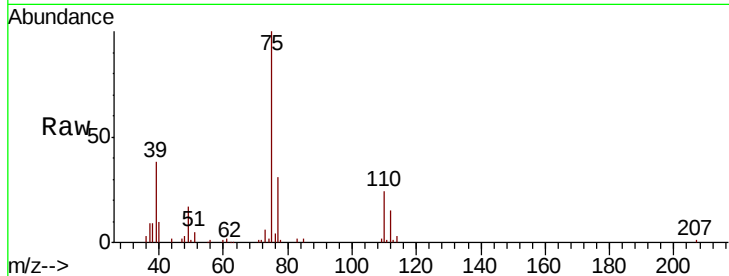
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3
39	37.6	30.8	46.2

Manual Integrations
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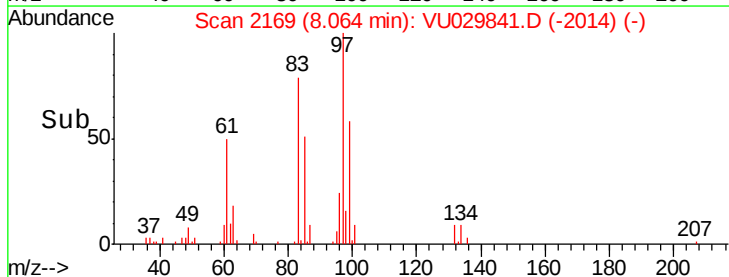
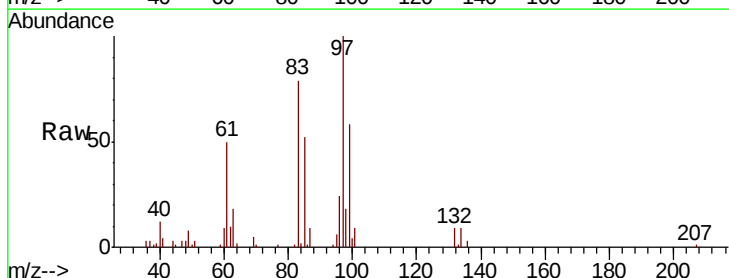
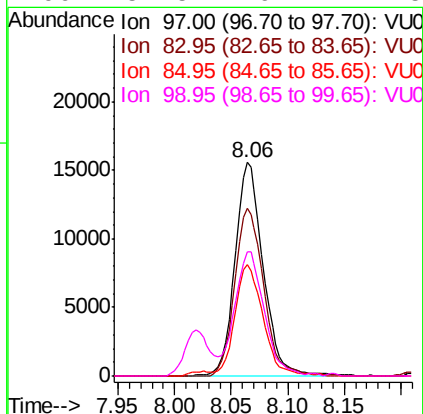
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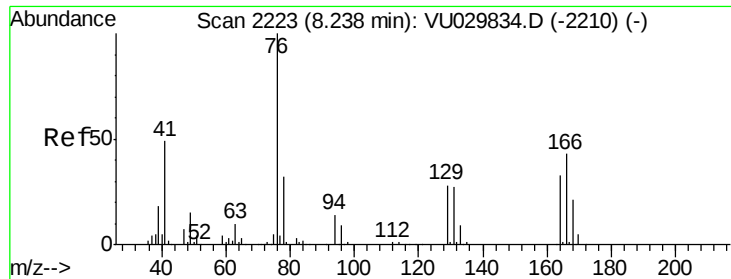


#52

1,1,2-Trichloroethane
Concen: 2.020 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.6	65.9	98.9
85	52.1	43.0	64.6
99	57.5	49.7	74.5





#53
 1,3-Dichloropropane
 Concen: 1.923 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

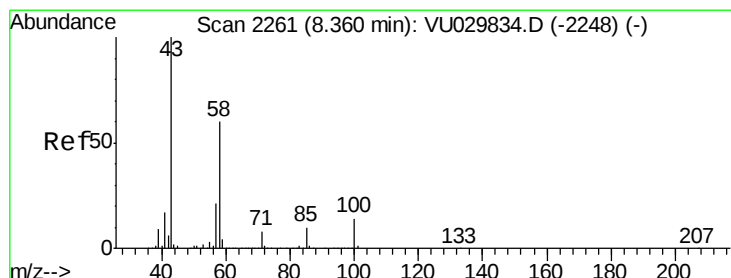
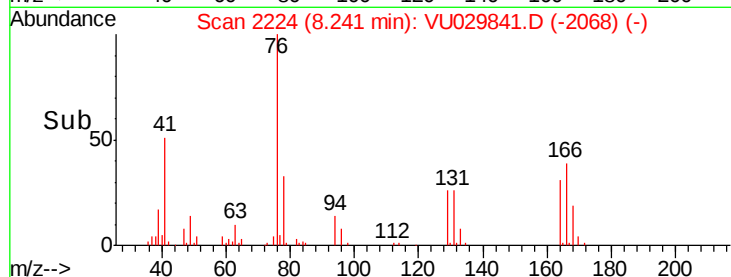
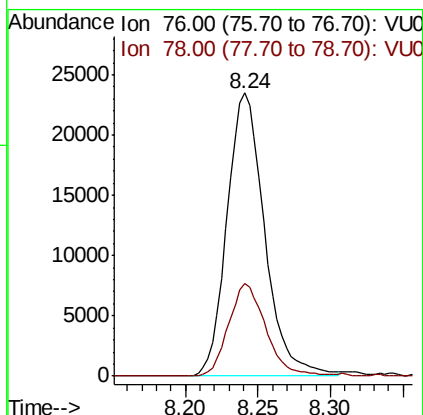
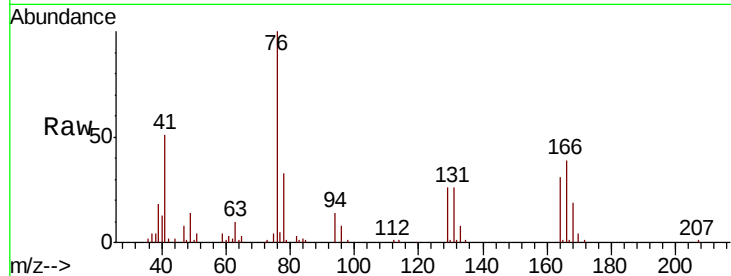
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion: 76 Resp: 42416
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

Manual Integrations
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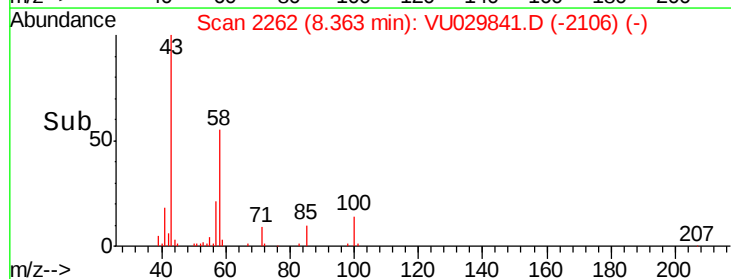
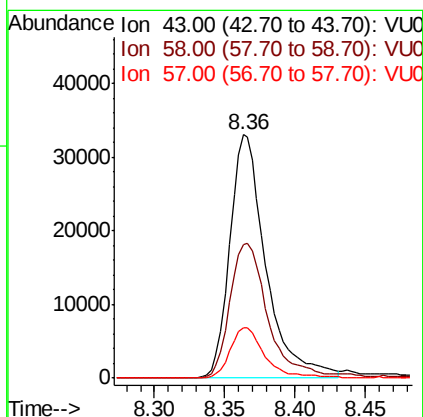
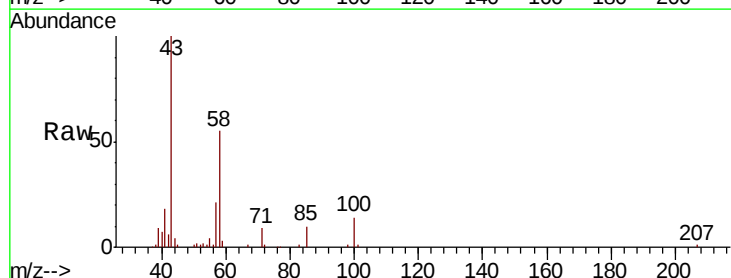
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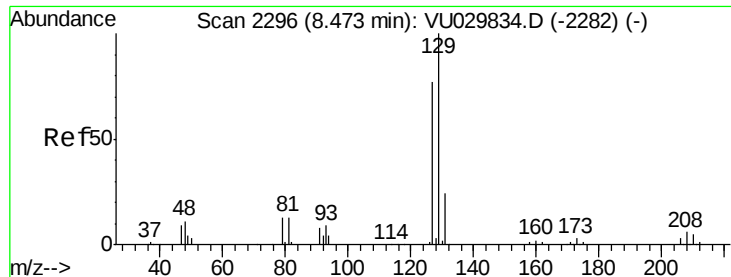
3/11/2019 4:50:41 PM



#54
 2-Hexanone
 Concen: 8.993 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion: 43 Resp: 59196
 Ion Ratio Lower Upper
 43 100
 58 57.9 39.6 79.6
 57 20.0 0.5 40.5





#55
 Dibromochloromethane
 Concen: 1.848 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

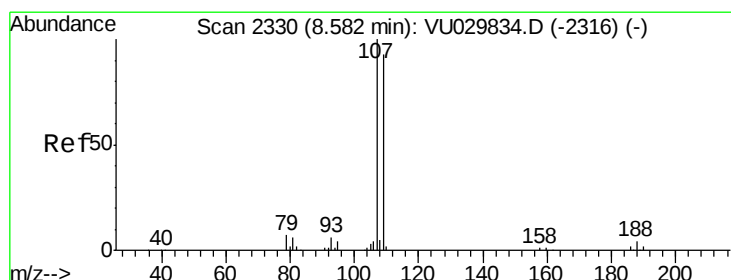
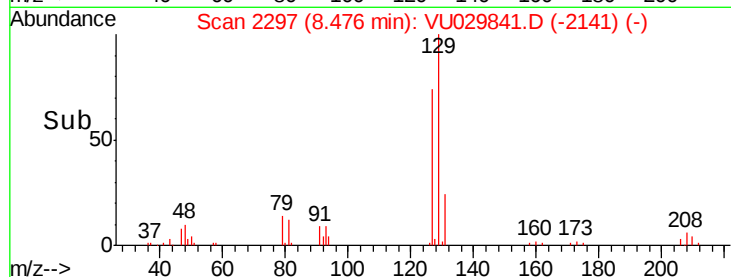
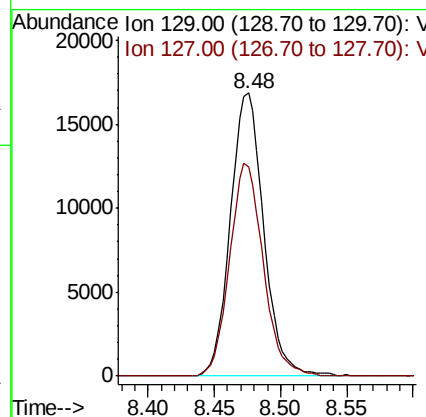
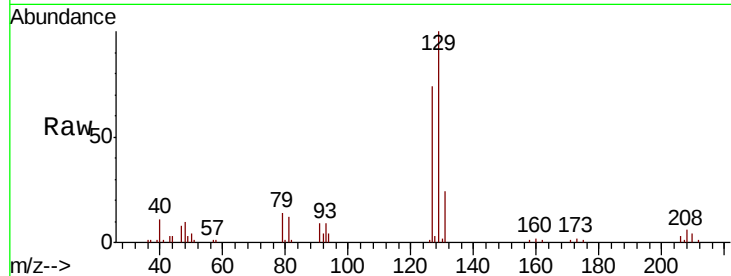
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	29510		
127	75.8	61.6	92.4	

Manual Integrations
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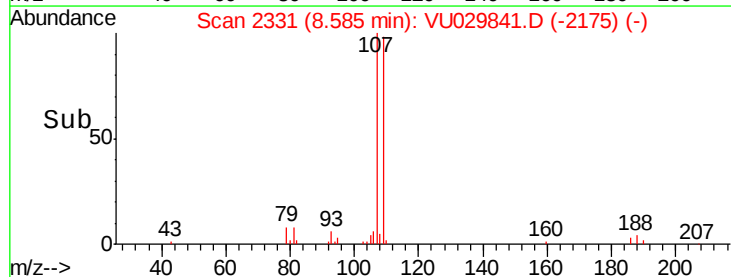
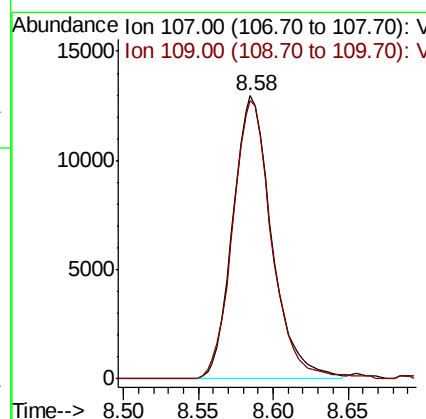
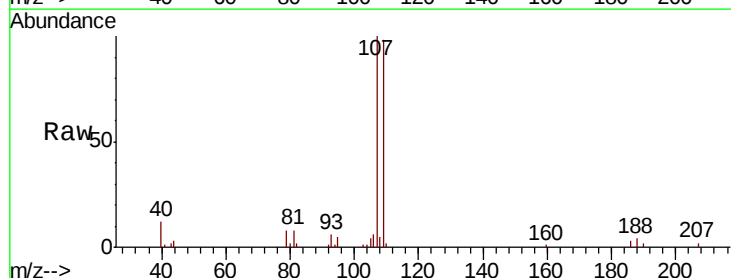
MMDadoda

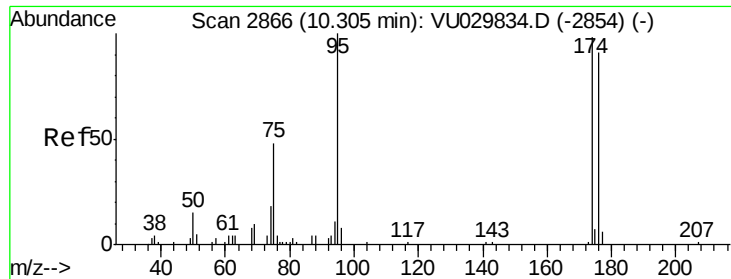
3/11/2019 4:50:41 PM



#56
 1,2-Dibromoethane
 Concen: 1.842 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	23494		
109	99.2	0.0	188.4	





#57
4-Bromofluorobenzene
Concen: 1.842 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

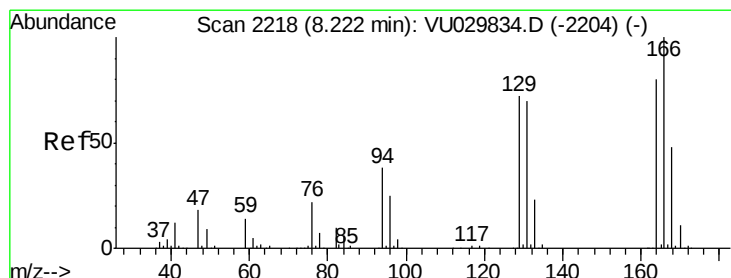
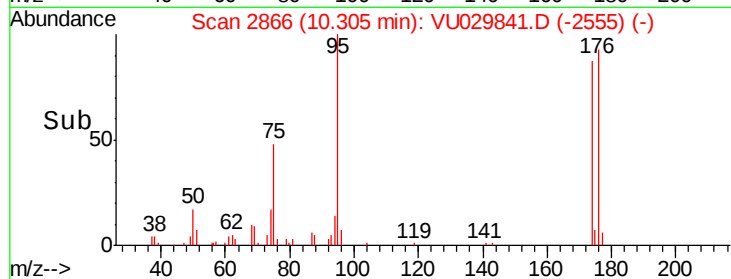
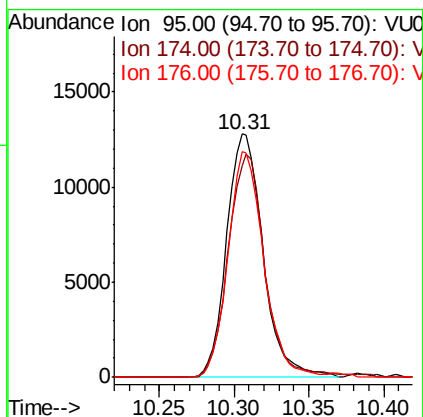
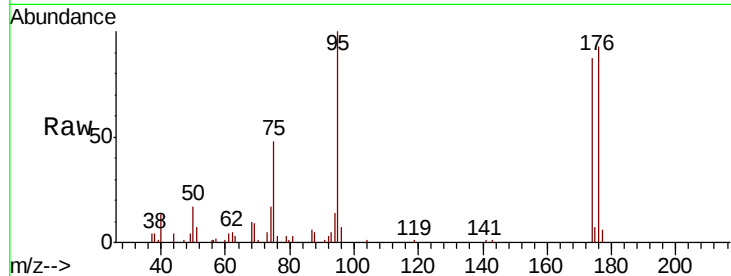
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	76.5	114.7
176	90.6	74.2	111.2

Manual Integrations
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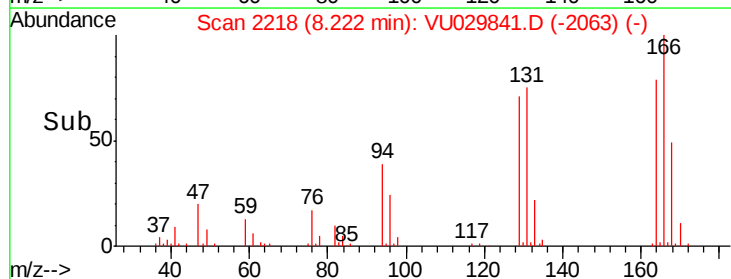
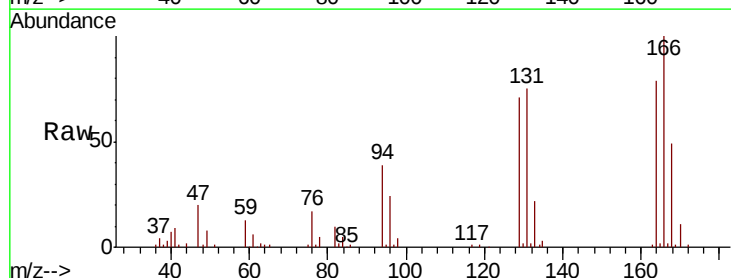
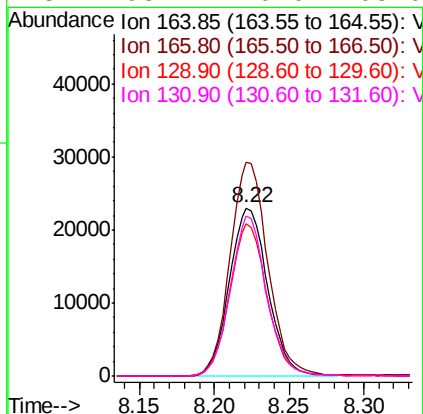
MMDadoda

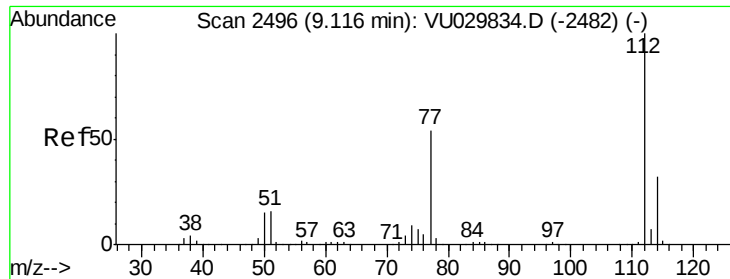
3/11/2019 4:50:41 PM



#58
Tetrachloroethene
Concen: 1.985 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.5	150.7
129	90.3	72.3	108.5
131	95.2	70.0	105.0





#59
Chlorobenzene
Concen: 1.943 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

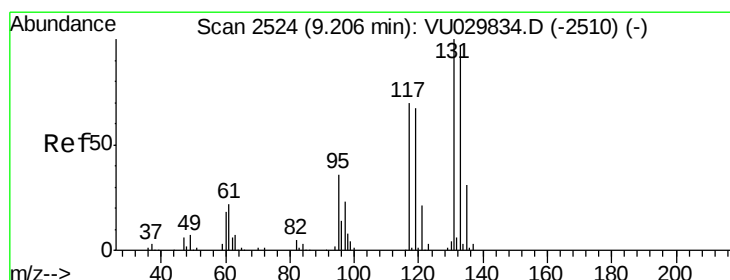
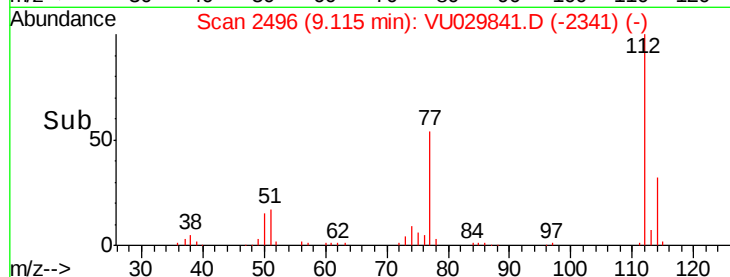
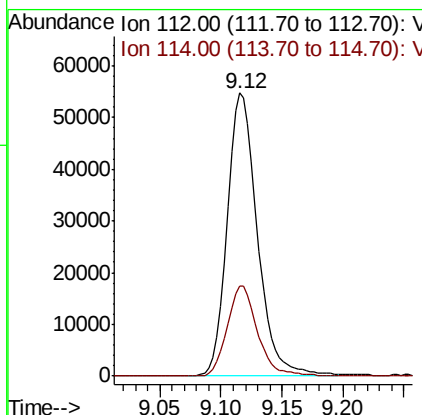
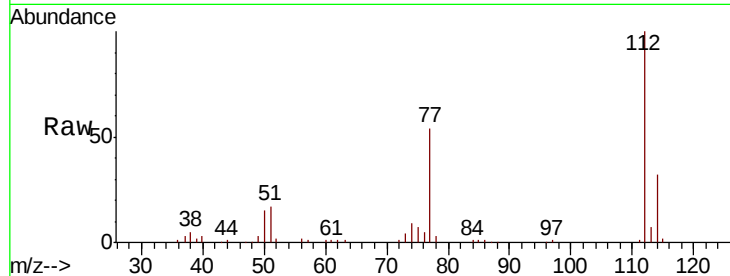
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion:112 Resp: 94977
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

Manual Integrations
APPROVED

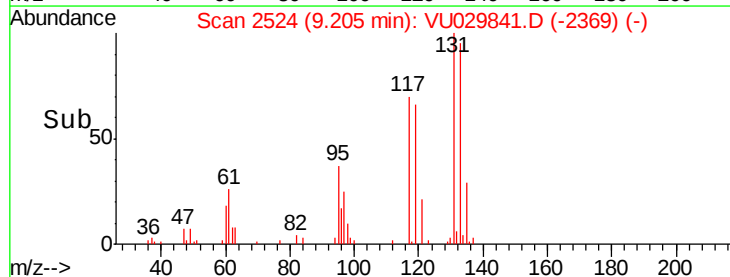
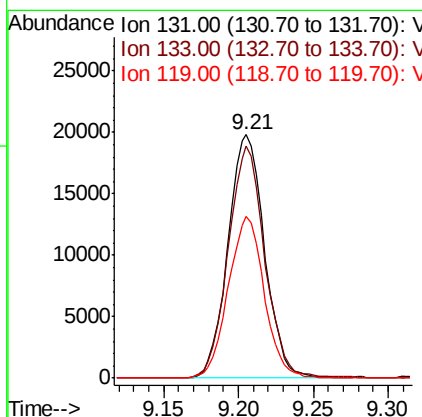
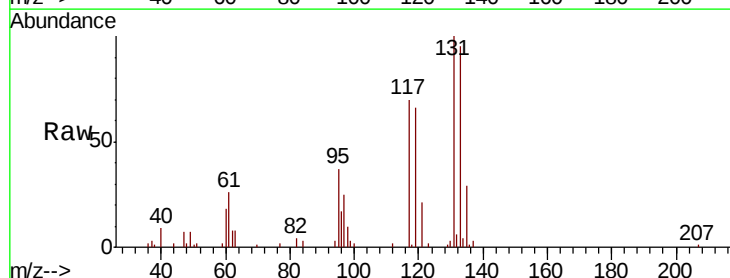
MMDadoda

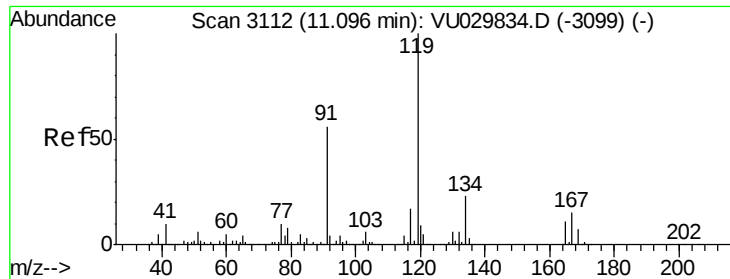
3/11/2019 4:50:41 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.917 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:131 Resp: 33623
Ion Ratio Lower Upper
131 100
133 95.3 76.4 114.6
119 65.3 54.2 81.4





#61
 Pentachloroethane
 Concen: 1.851 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

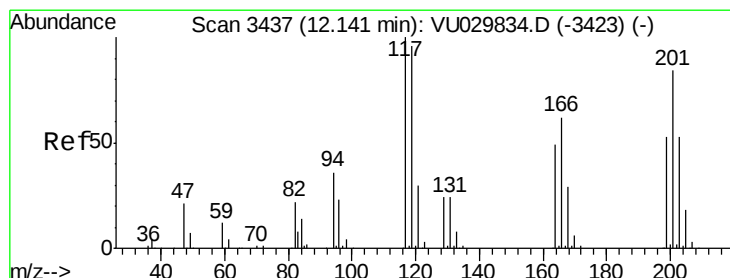
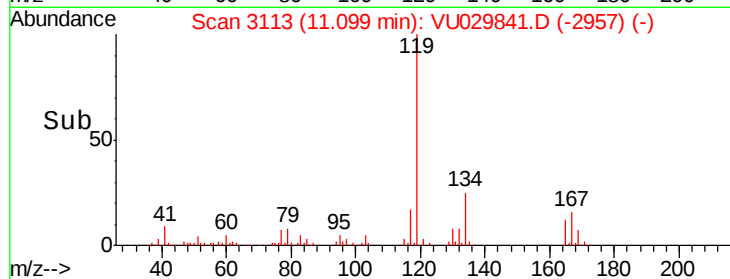
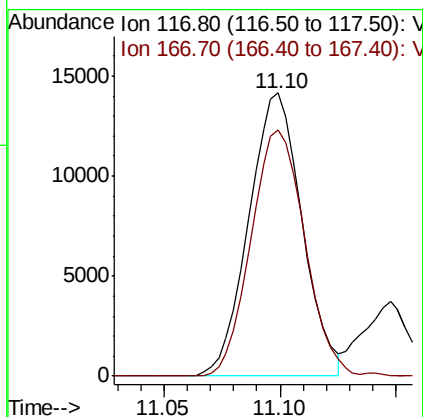
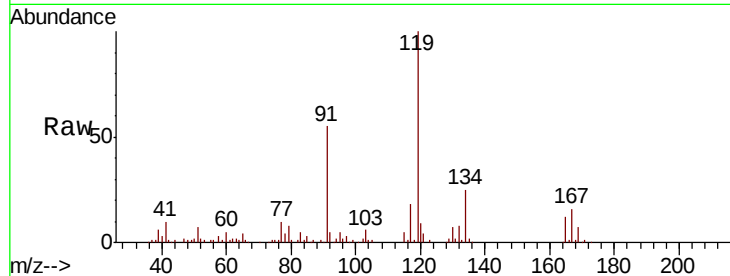
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion:117 Resp: 22600
 Ion Ratio Lower Upper
 117 100
 167 88.1 71.4 107.2

Manual Integrations
 APPROVED

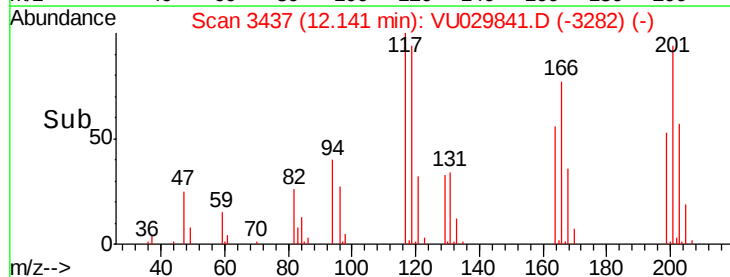
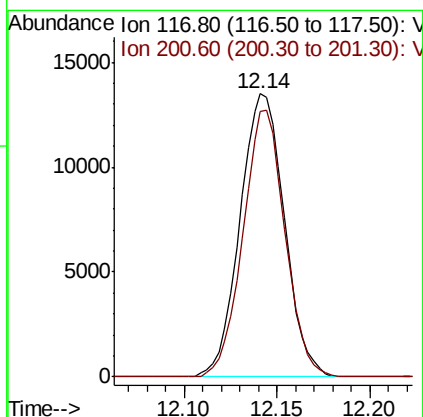
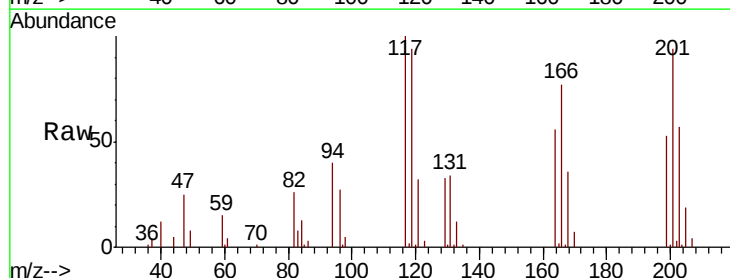
MMDadoda

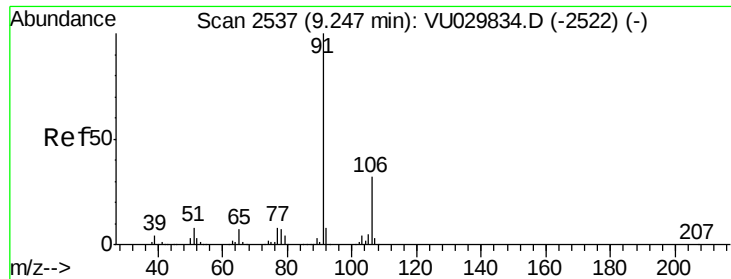
3/11/2019 4:50:41 PM



#62
 Hexachloroethane
 Concen: 1.743 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion:117 Resp: 22394
 Ion Ratio Lower Upper
 117 100
 201 89.1 68.2 102.2





#63
Ethyl Benzene
Concen: 1.874 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

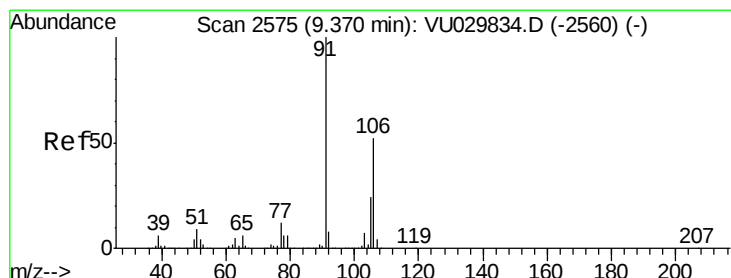
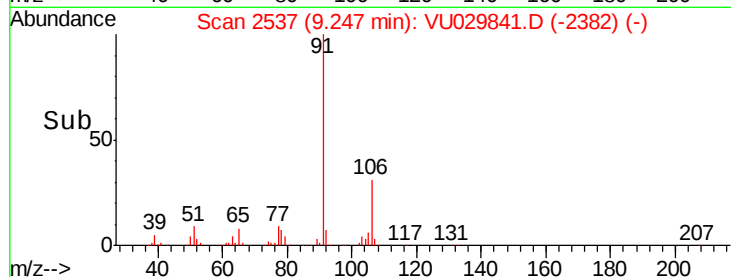
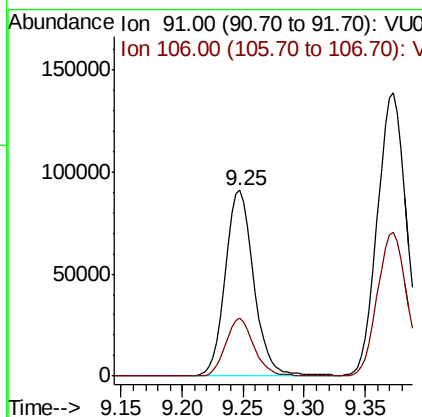
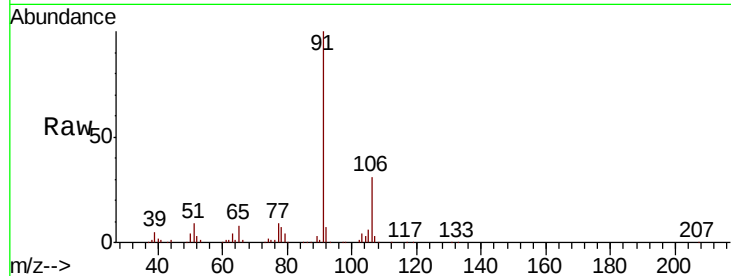
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion: 91 Resp: 150113
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

Manual Integrations
APPROVED

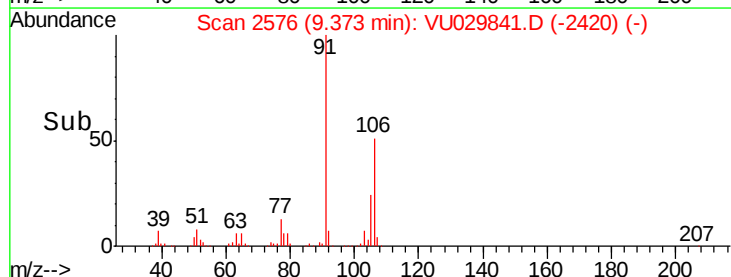
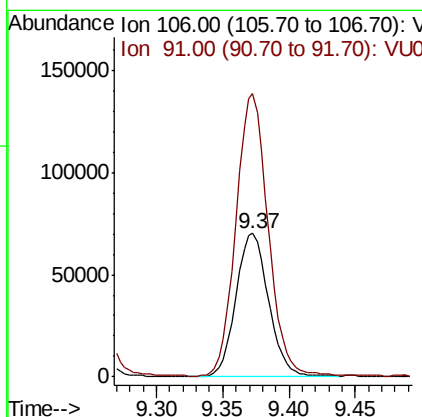
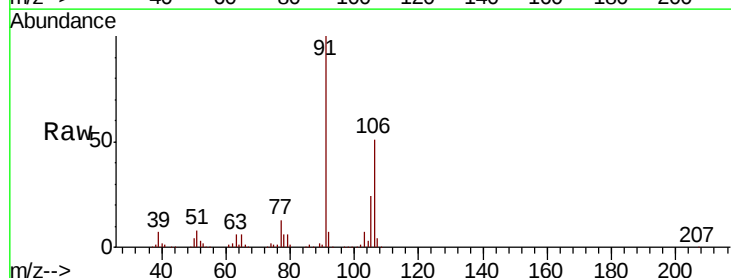
MMDadoda

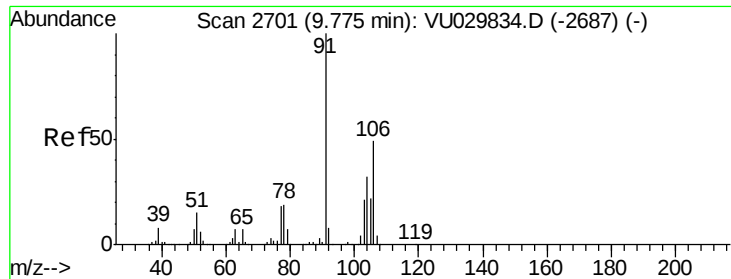
3/11/2019 4:50:41 PM



#64
m/p-Xylenes
Concen: 3.816 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion: 106 Resp: 120826
Ion Ratio Lower Upper
106 100
91 192.3 155.3 232.9





#65

o-Xylene

Concen: 1.938 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion:106 Resp: 58914

Ion Ratio Lower Upper

106 100

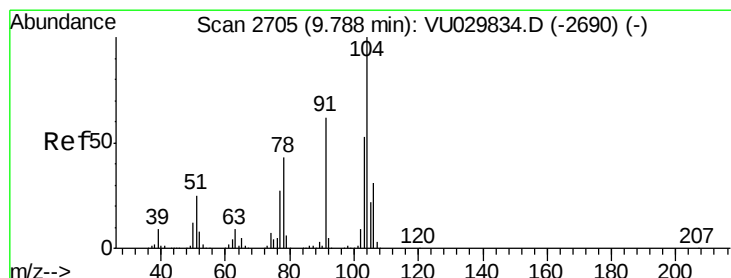
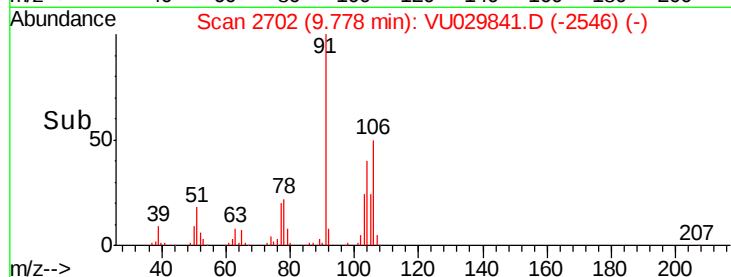
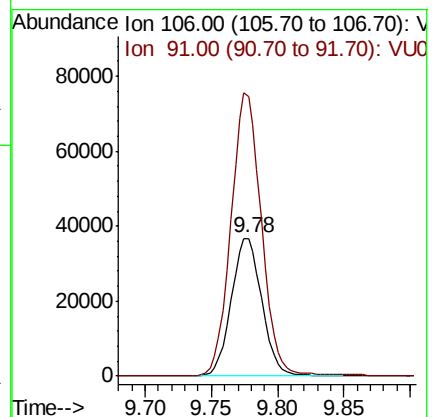
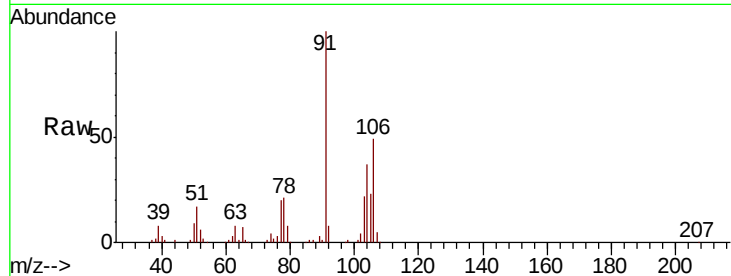
91 205.7 102.8 308.3

Manual Integrations

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3/11/2019 4:50:41 PM



#66

Styrene

Concen: 1.913 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

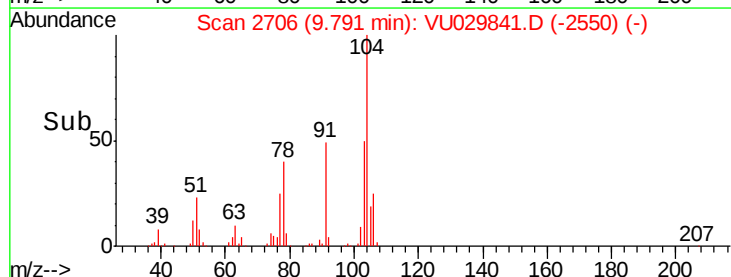
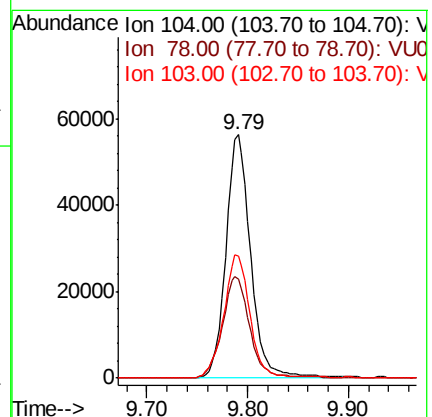
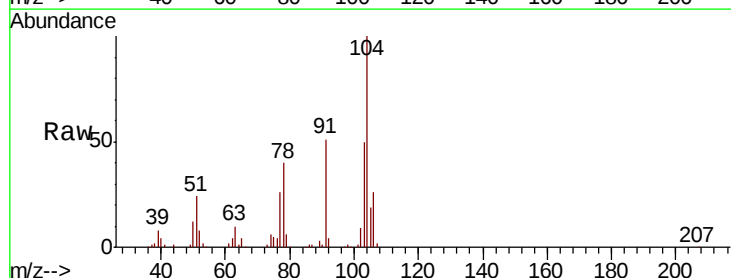
Tgt Ion:104 Resp: 96661

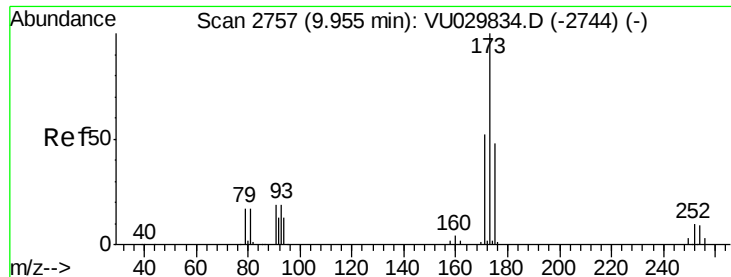
Ion Ratio Lower Upper

104 100

78 46.2 37.2 55.8

103 53.4 44.7 67.1





#67
Bromoform
Concen: 1.842 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

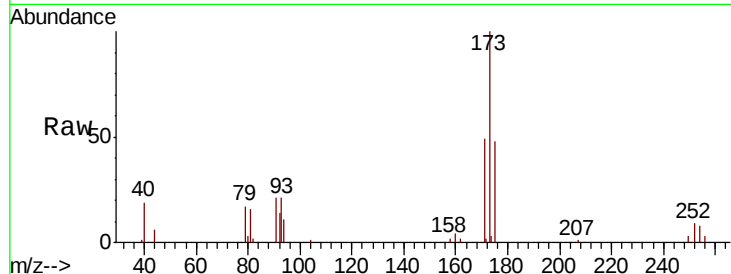
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.3	38.6	57.8
254	8.3	7.4	11.2

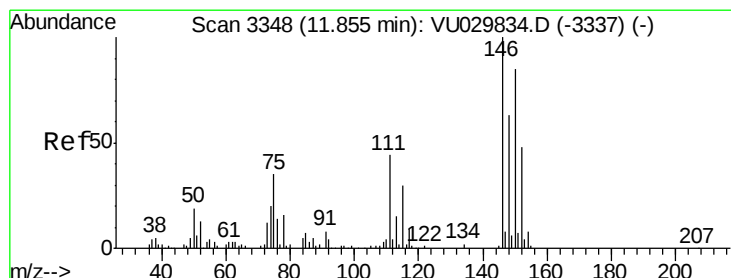
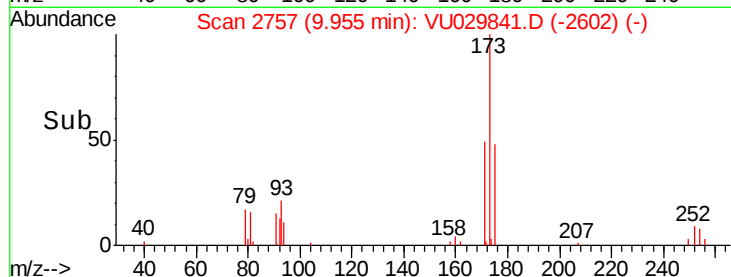
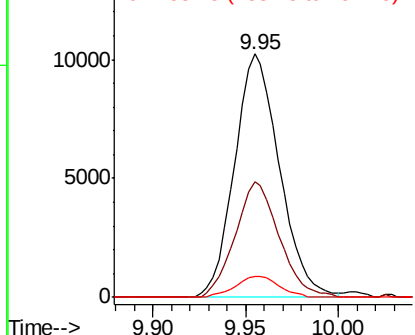
Manual Integrations
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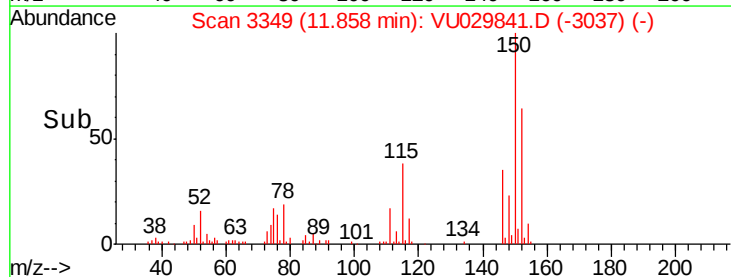
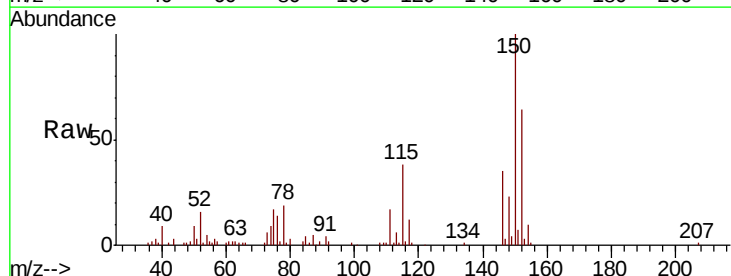
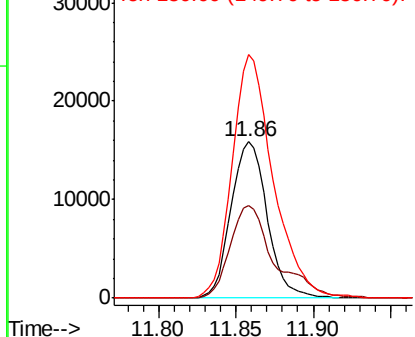
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

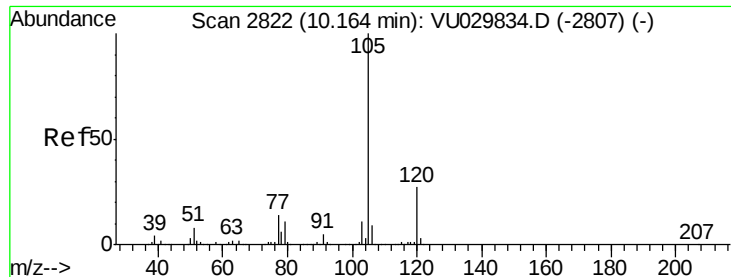


#68
1,2-Dichlorobenzene-d4
Concen: 1.842 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.4	0.0	124.0
150	176.4	0.0	631.2

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: 1.905 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 105 Resp: 153569

Ion Ratio Lower Upper

105 100

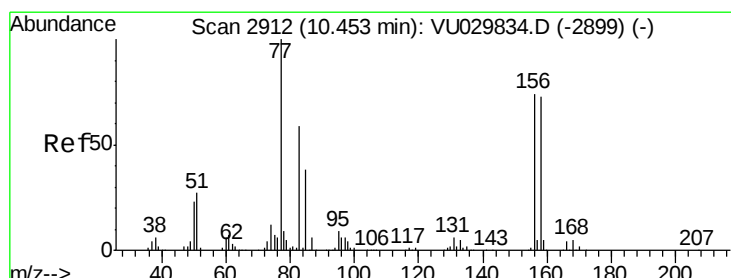
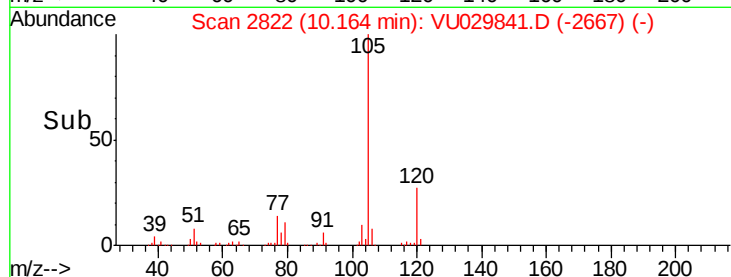
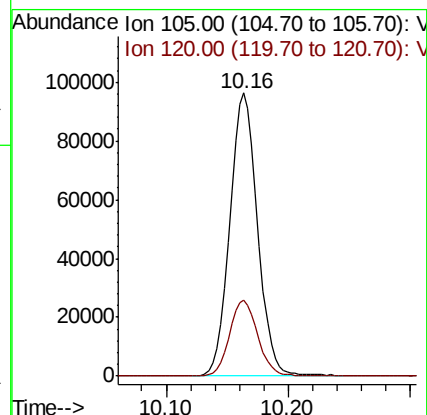
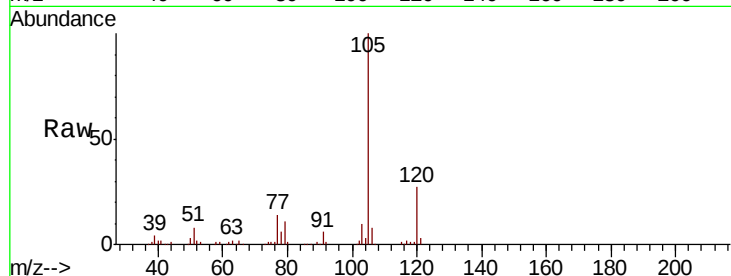
120 27.3 13.5 40.5

Manual Integrations

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3/11/2019 4:50:41 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 1.936 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

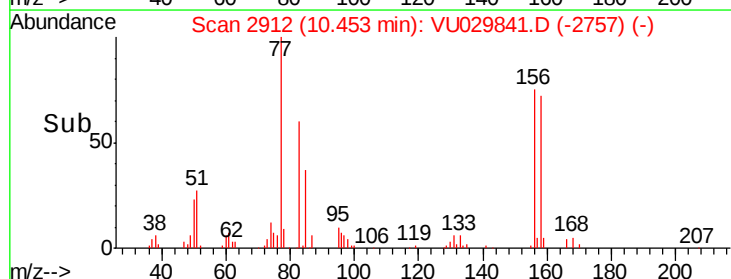
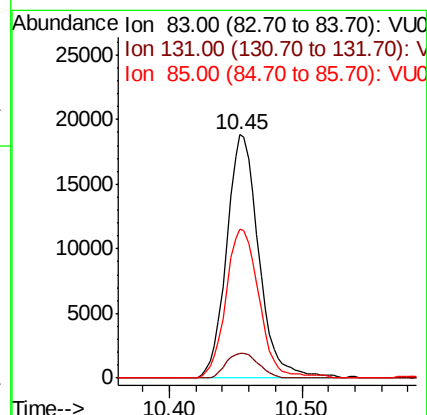
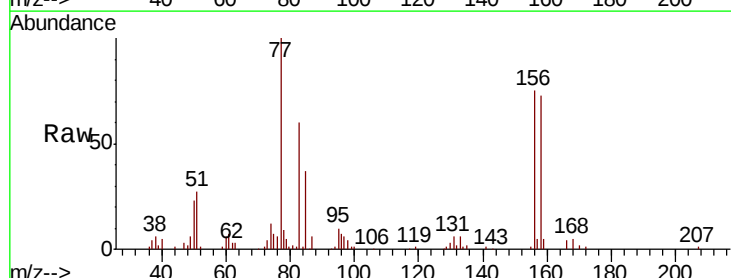
Tgt Ion: 83 Resp: 31754

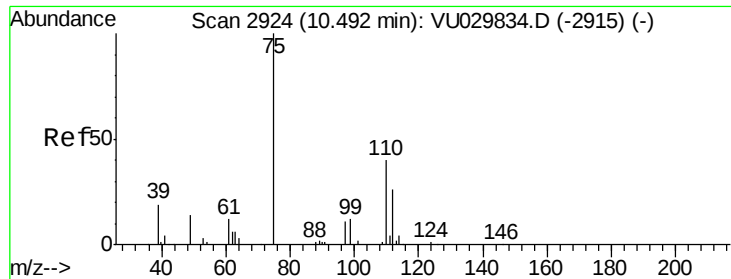
Ion Ratio Lower Upper

83 100

131 10.2 8.3 12.5

85 63.1 52.5 78.7





#71
1,2,3-Trichloropropane
Concen: 1.802 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

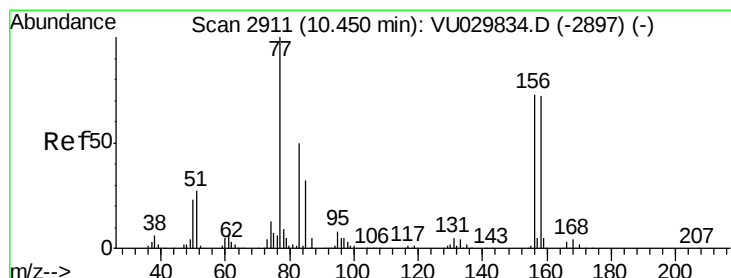
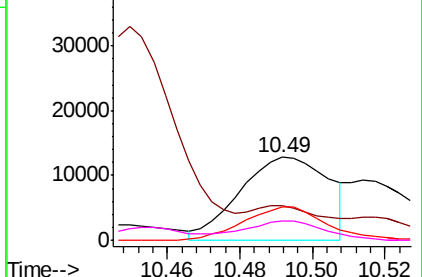
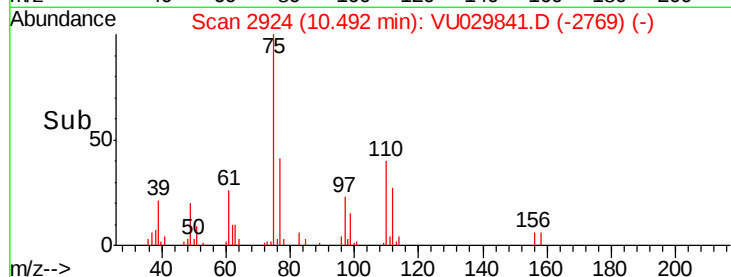
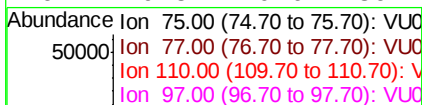
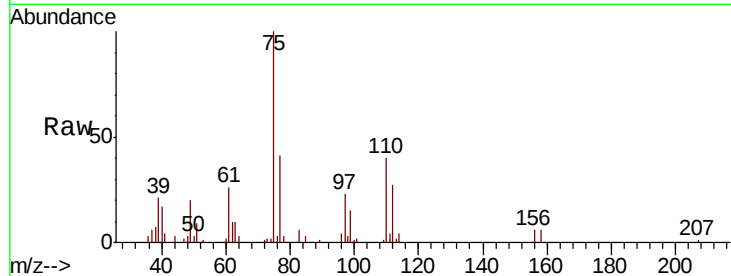
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	11.1	0.0	16.4
110	37.1	0.0	74.8
97	20.5	0.0	39.4

Manual Integrations
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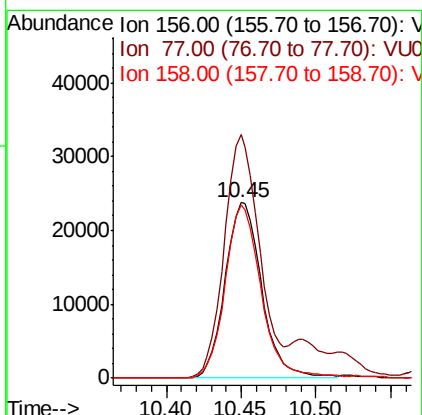
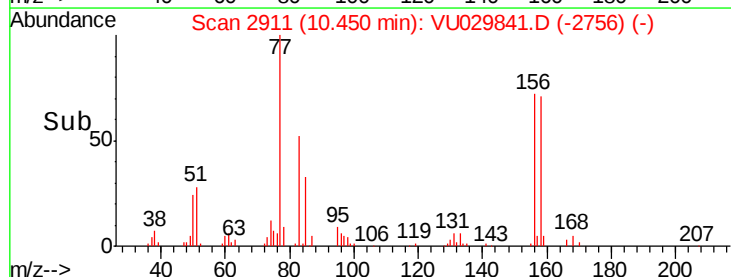
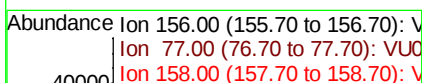
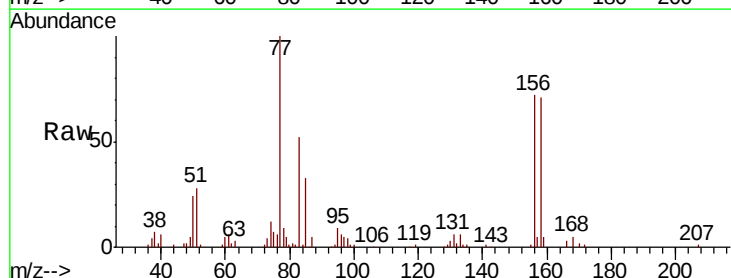
MMDadoda

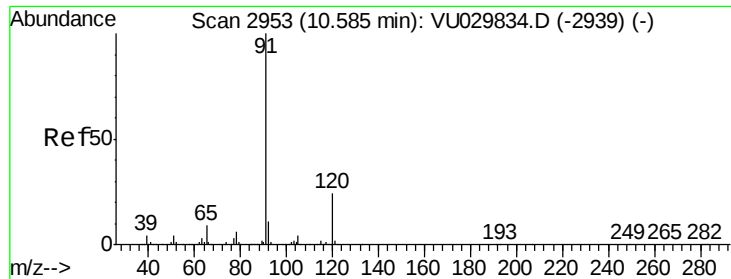
3/11/2019 4:50:41 PM



#72
Bromobenzene
Concen: 1.898 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	133.4	0.0	282.2
158	96.9	0.0	196.2





#73
n-propylbenzene
Concen: 1.865 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

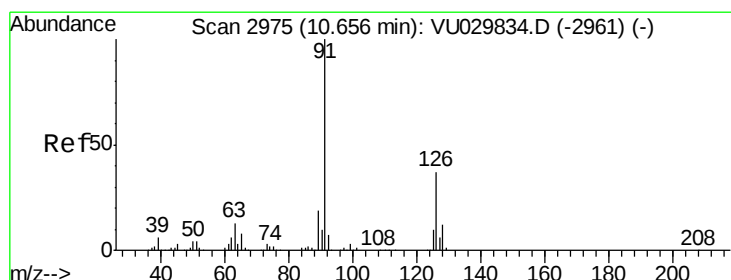
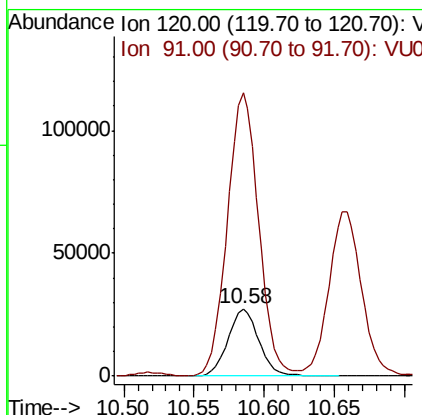
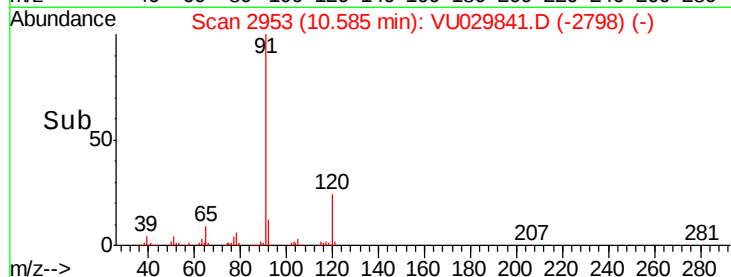
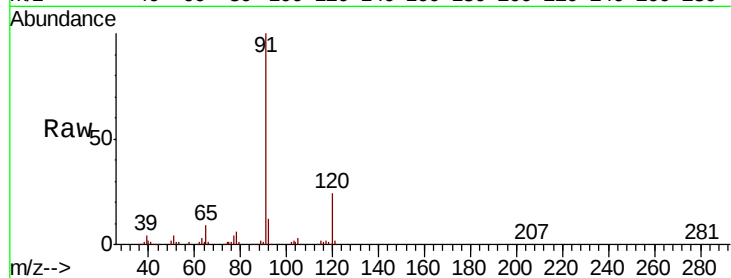
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion:120 Resp: 42280
Ion Ratio Lower Upper
120 100
91 421.5 333.4 500.2

Manual Integrations
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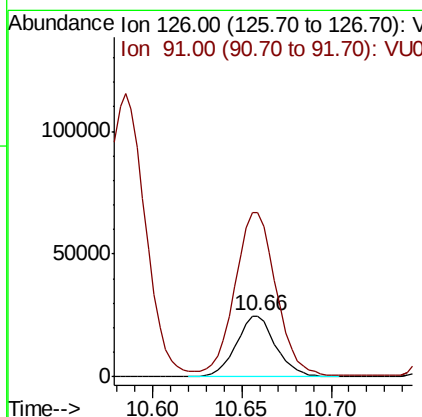
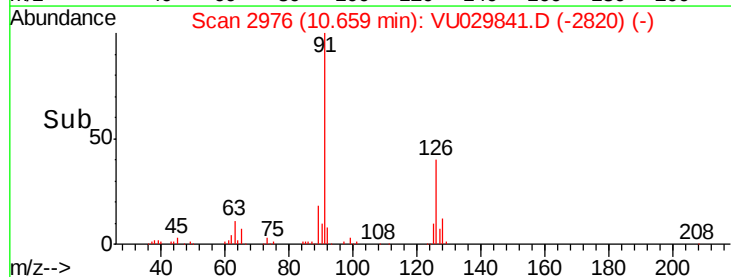
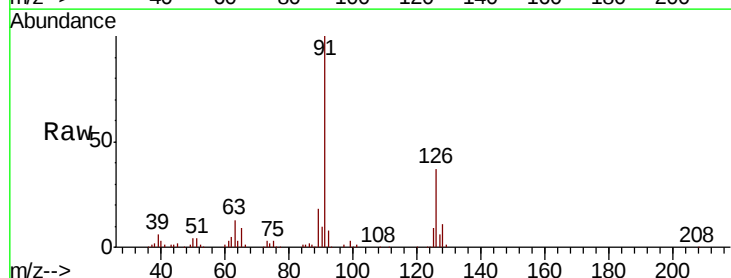
MMDadoda

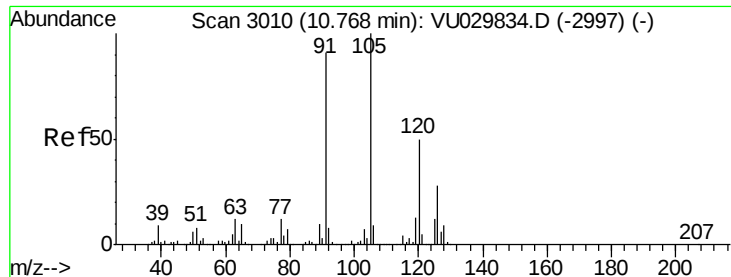
3/11/2019 4:50:41 PM



#74
2-Chlorotoluene
Concen: 1.926 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion:126 Resp: 38718
Ion Ratio Lower Upper
126 100
91 275.6 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 1.879 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion:105 Resp: 127634

Ion Ratio Lower Upper

105 100

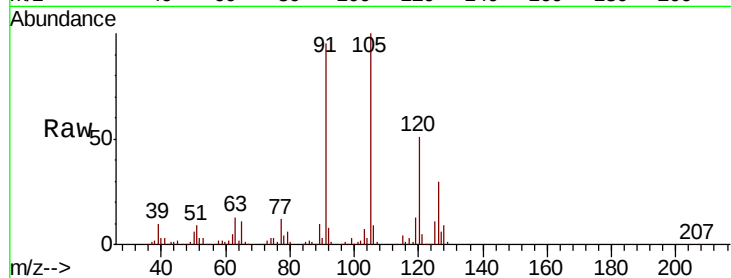
120 50.1 40.0 60.0

Manual Integrations

APPROVED

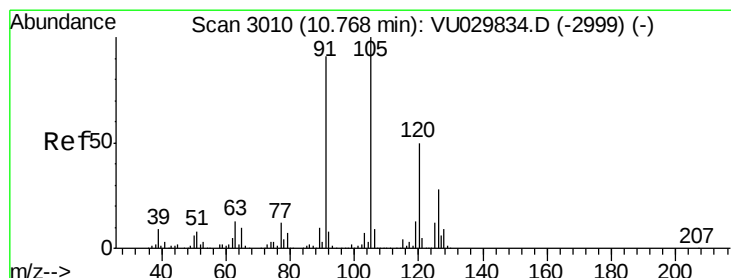
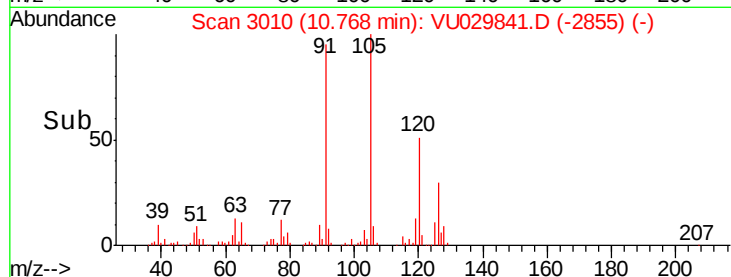
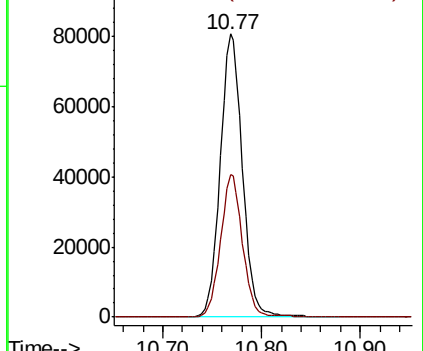
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.986 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029841.D

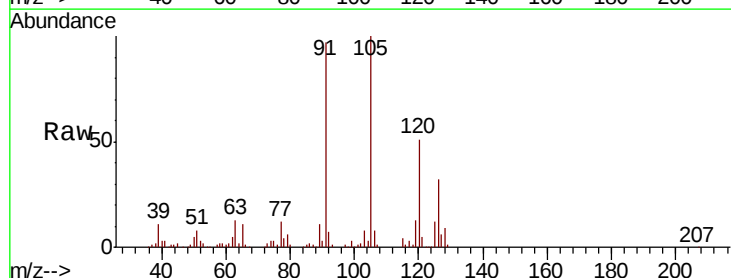
Acq: 06 Mar 2019 16:03

Tgt Ion:126 Resp: 40714

Ion Ratio Lower Upper

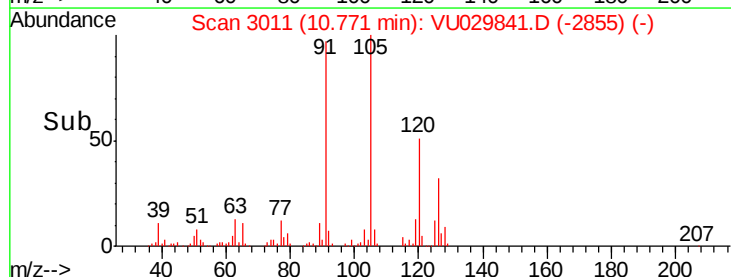
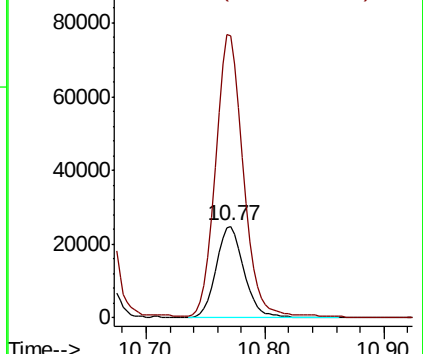
126 100

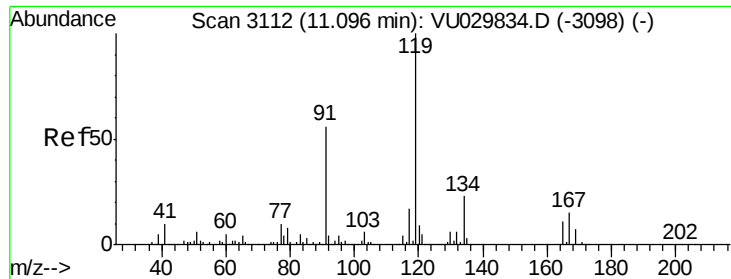
91 306.4 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77
 tert-Butylbenzene
 Concen: 1.900 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

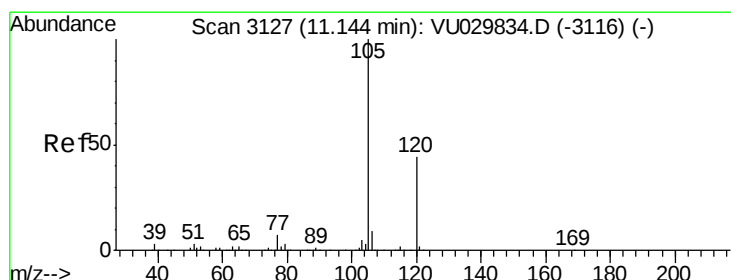
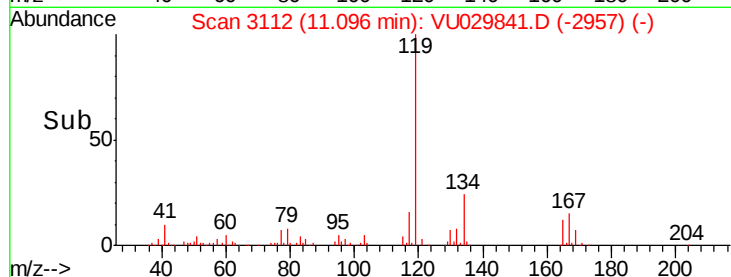
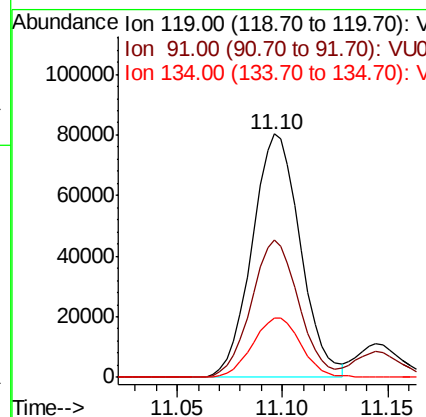
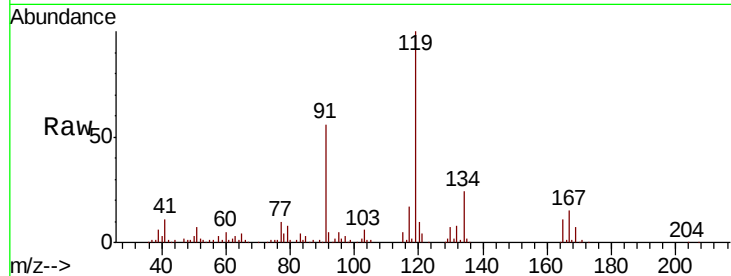
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.7	83.1
134	24.7	18.7	28.1

Manual Integrations
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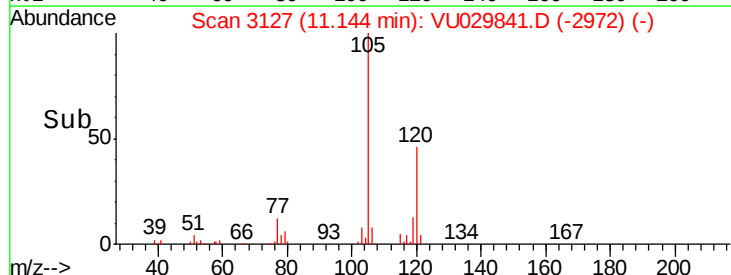
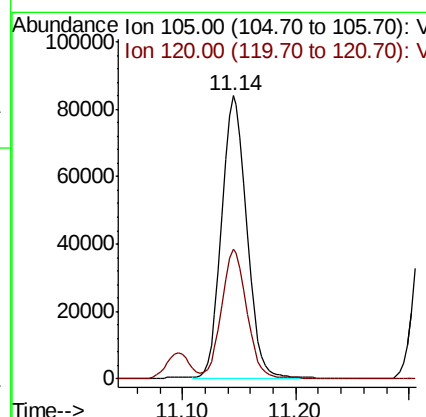
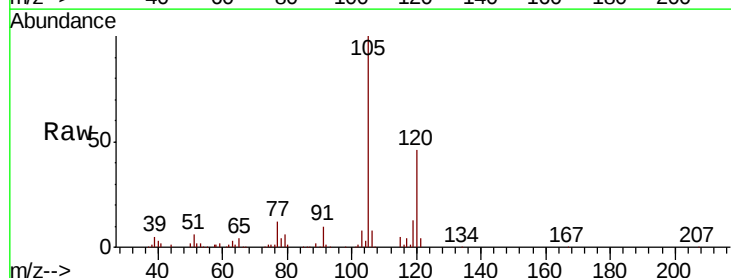
MMDadoda

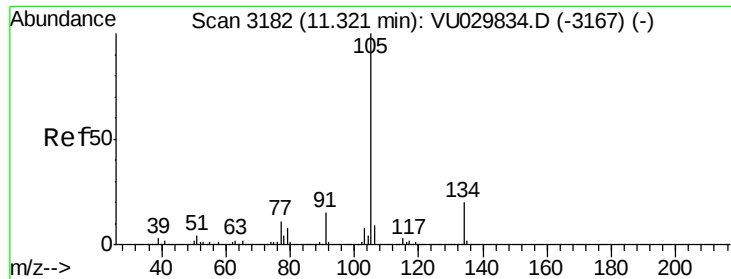
3/11/2019 4:50:41 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 1.904 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.5	70.5





#79

sec-Butylbenzene

Concen: 1.921 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 105 Resp: 171093

Ion Ratio Lower Upper

105 100

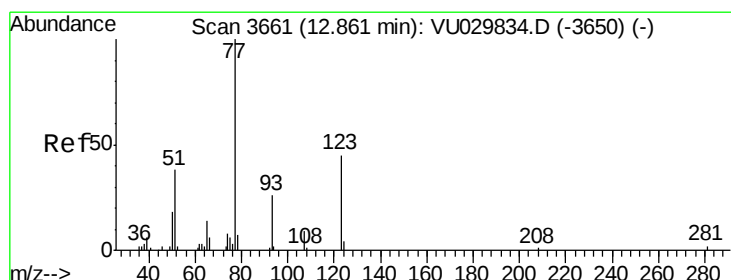
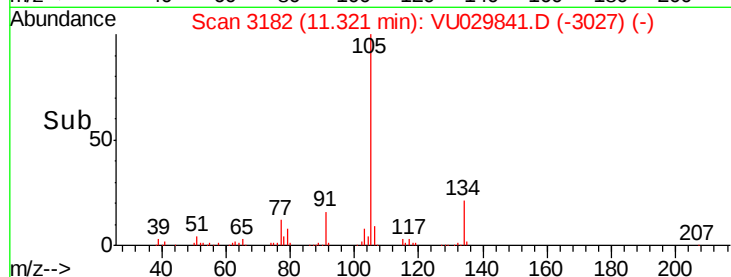
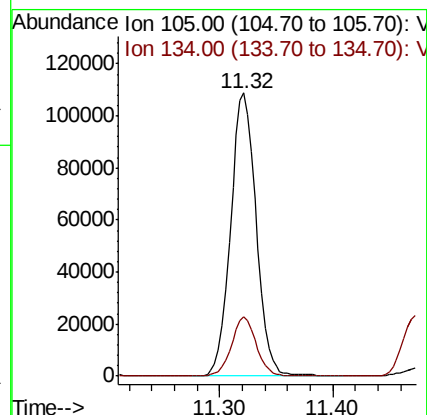
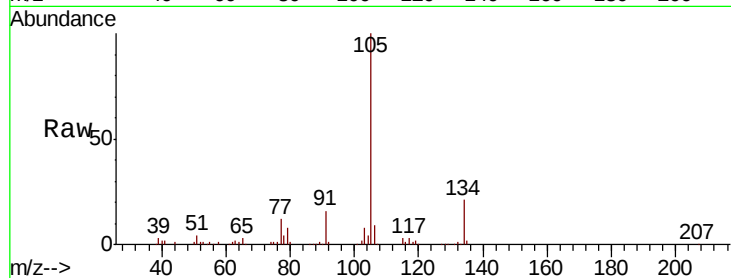
134 20.3 16.3 24.5

Manual Integrations

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3/11/2019 4:50:41 PM



#80

Nitrobenzene

Concen: 5.863 ug/l m

RT: 12.87 min Scan# 3665

Delta R.T. 0.01 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

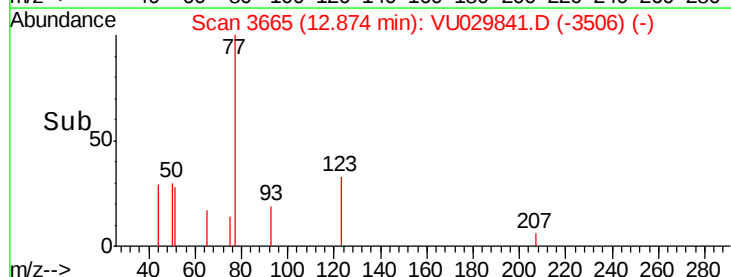
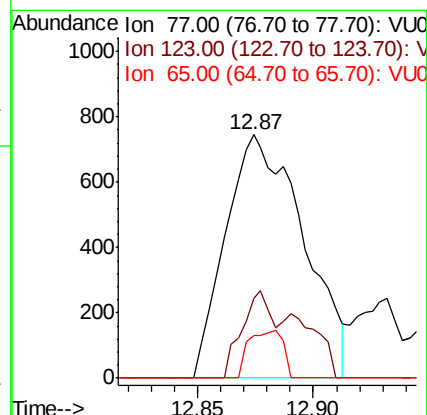
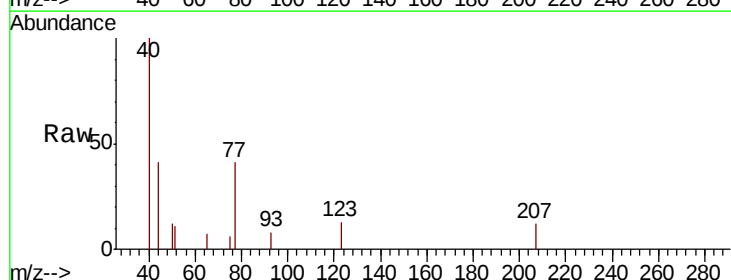
Tgt Ion: 77 Resp: 1746

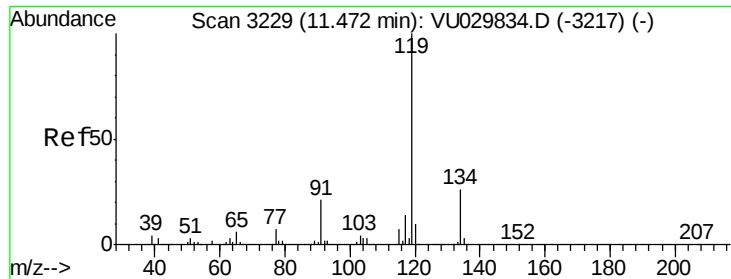
Ion Ratio Lower Upper

77 100

123 14.0 20.2 71.4#

65 8.5 14.0 17.8#





#81
p-Isopropyltoluene
Concen: 1.911 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

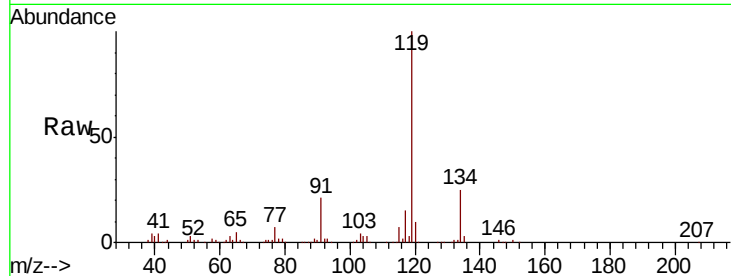
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	21.2	31.8
91	21.2	17.2	25.8

Manual Integrations
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3/11/2019 4:50:41 PM

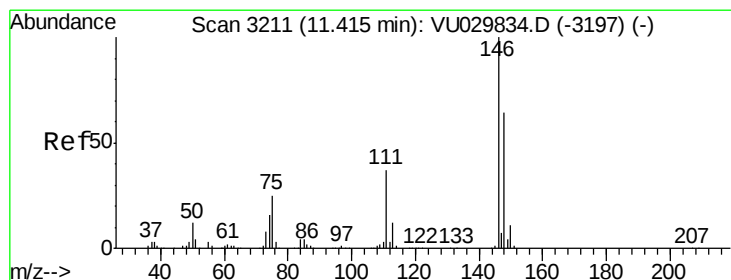
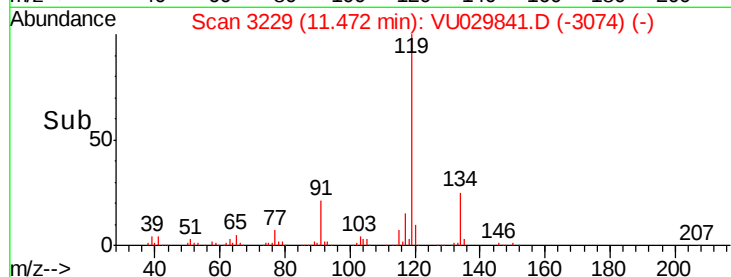
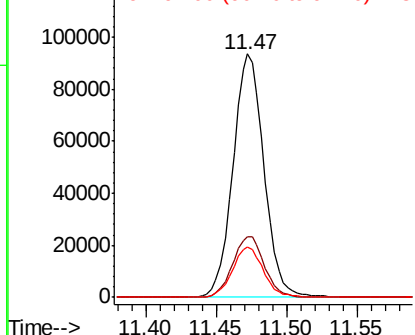


Abundance

Ion 119.00 (118.70 to 119.70): V

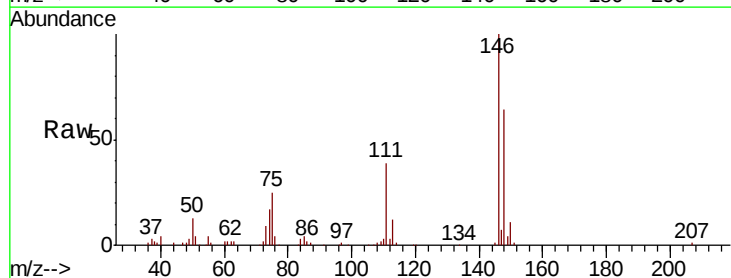
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
1,3-Dichlorobenzene
Concen: 1.898 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.2	45.4
148	64.6	51.2	76.8

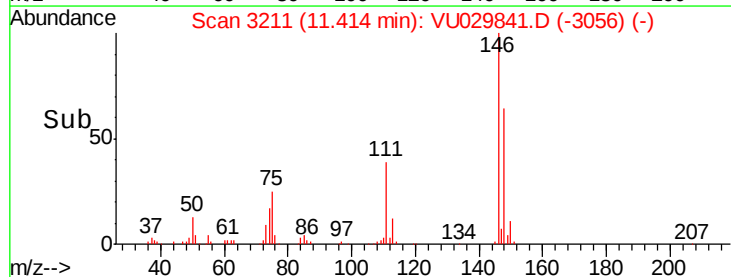
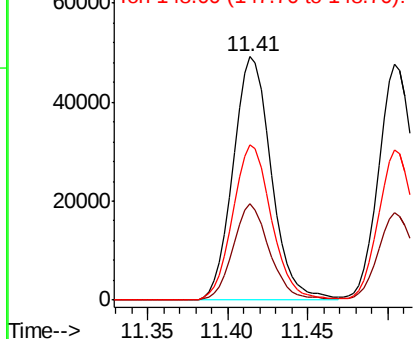


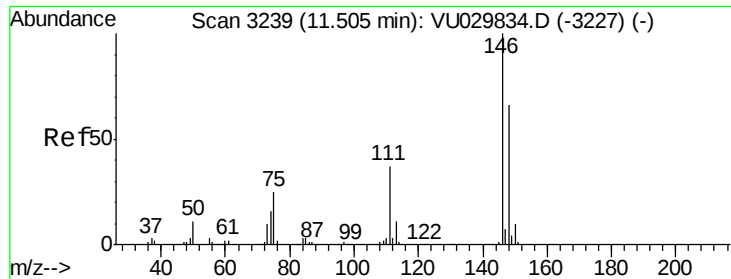
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#83
 1,4-Dichlorobenzene
 Concen: 1.899 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

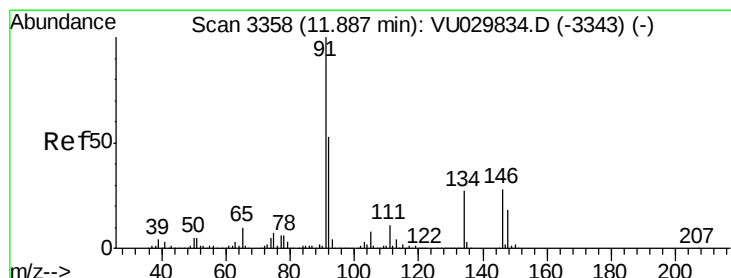
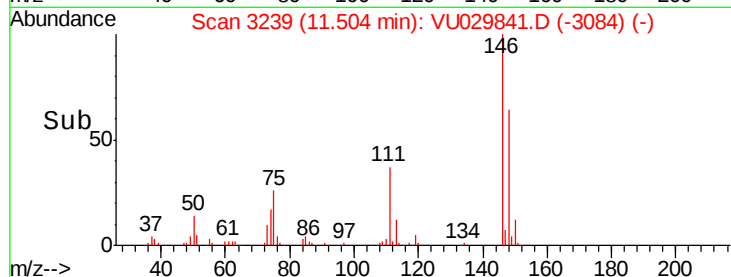
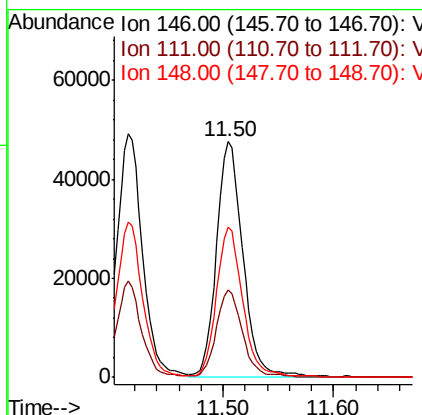
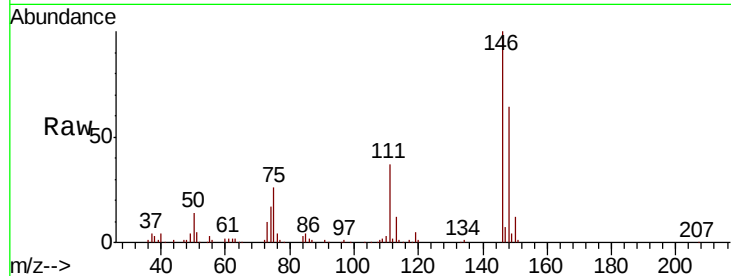
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	29.4	44.2
148	64.4	51.7	77.5

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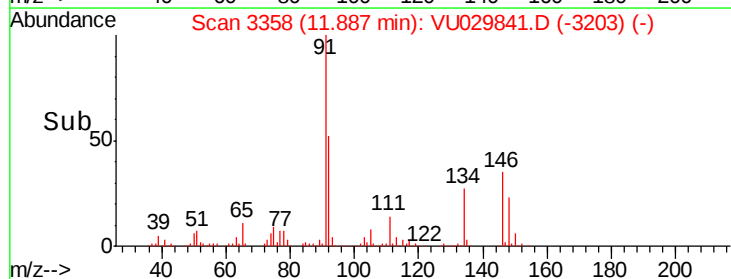
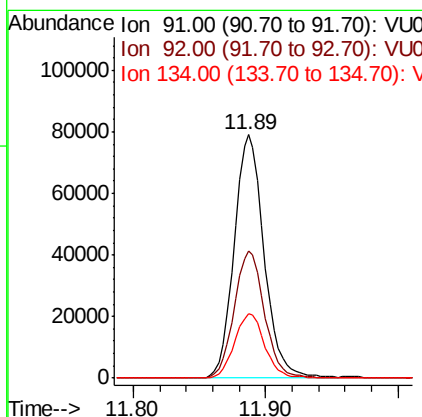
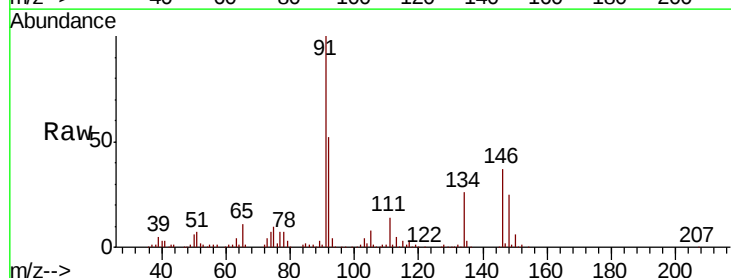
MMDadoda

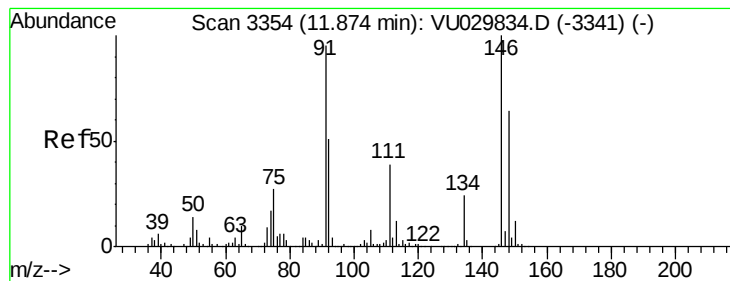
3/11/2019 4:50:41 PM



#84
 n-Butylbenzene
 Concen: 1.817 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	63.8
134	26.7	21.7	32.5





#85

1,2-Dichlorobenzene

Concen: 1.873 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

Instrument :

MSVOA_U

ClientSampleId :

VU0307WBSD01

Tgt Ion: 146 Resp: 74666

Ion Ratio Lower Upper

146 100

111 39.8 19.9 59.6

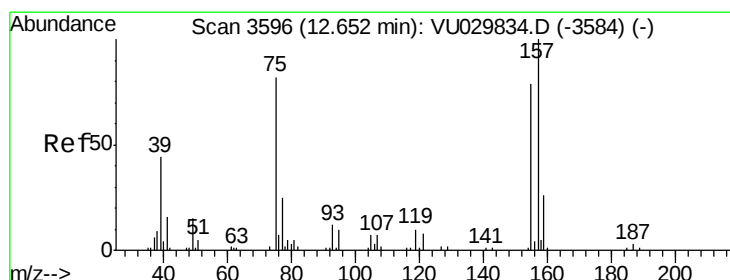
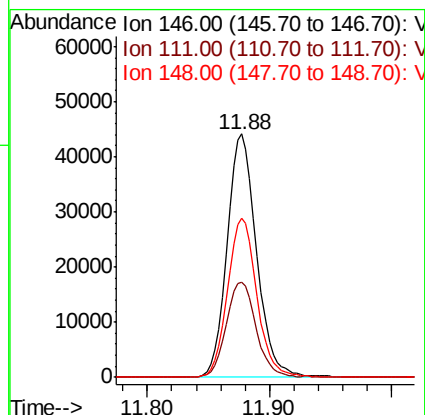
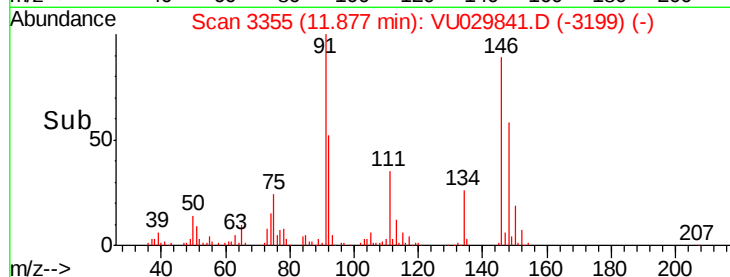
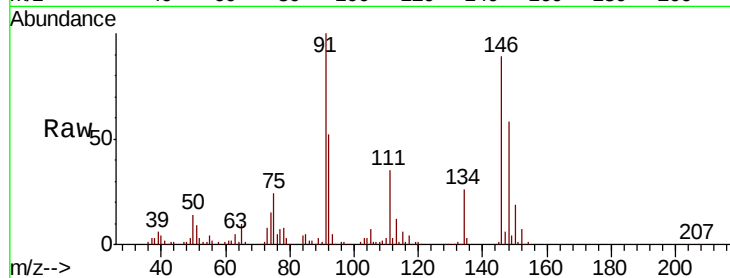
148 65.1 32.1 96.3

Manual Integrations

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3/11/2019 4:50:41 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.816 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029841.D

Acq: 06 Mar 2019 16:03

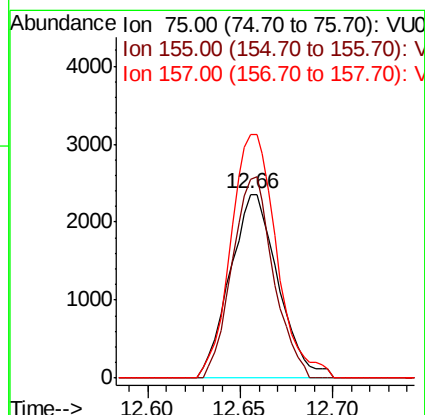
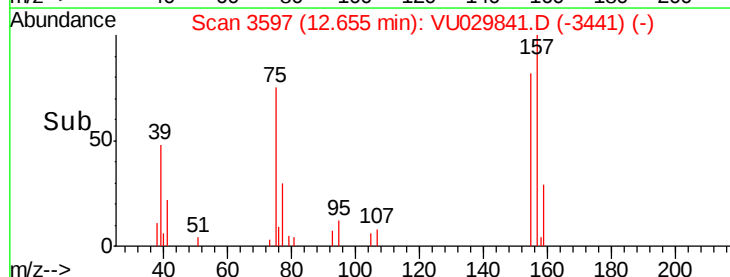
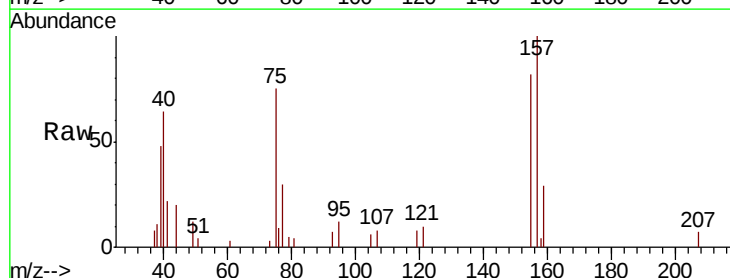
Tgt Ion: 75 Resp: 4254

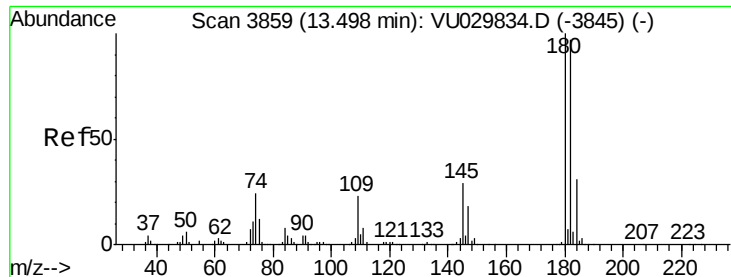
Ion Ratio Lower Upper

75 100

155 94.0 76.6 114.8

157 126.0 96.2 144.2





#87
 1,2,4-Trichlorobenzene
 Concen: 1.782 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

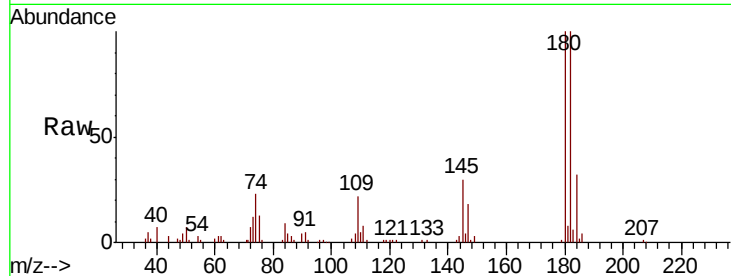
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.5	116.3
145	29.1	23.6	35.4

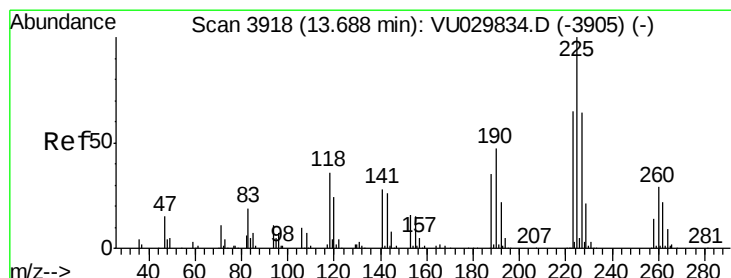
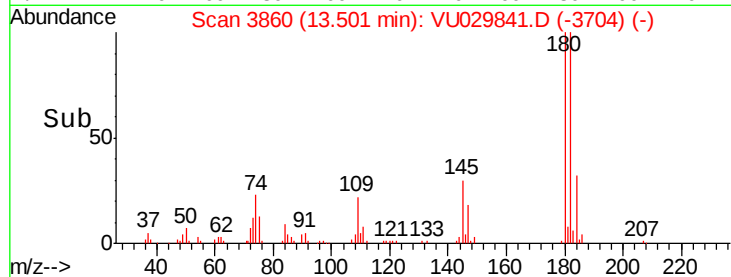
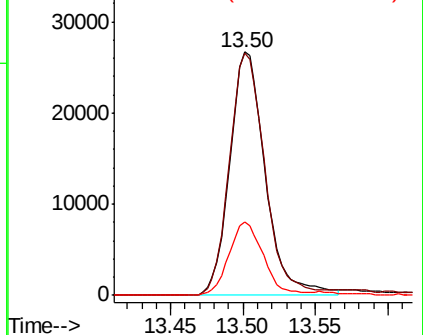
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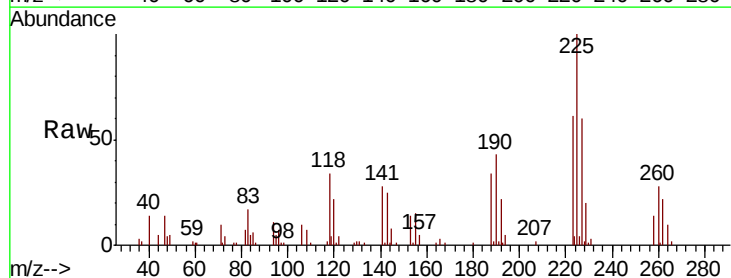


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

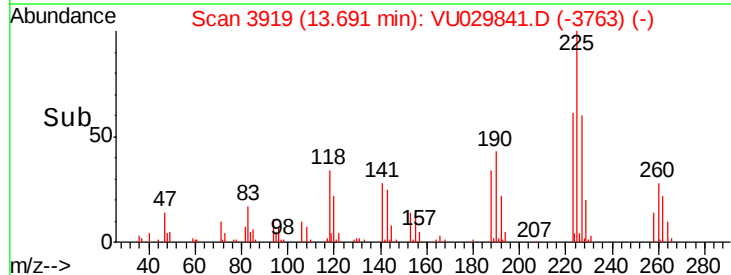
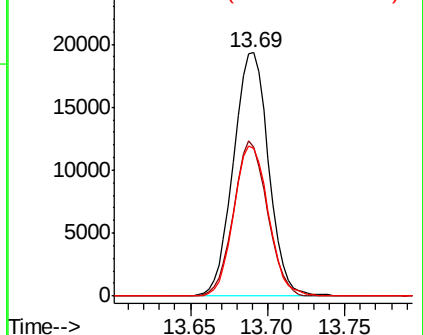


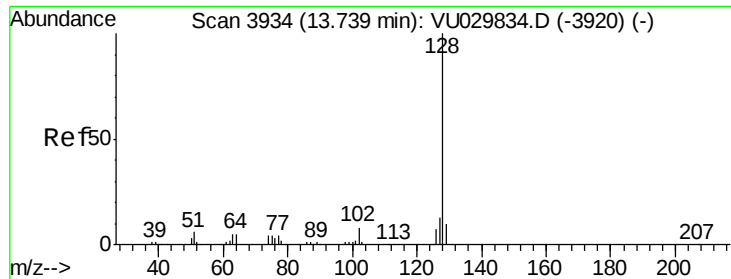
#88
 Hexachlorobutadiene
 Concen: 1.902 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. 0.00 min
 Lab File: VU029841.D
 Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.2	76.8
227	60.6	50.9	76.3



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: 1.819 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

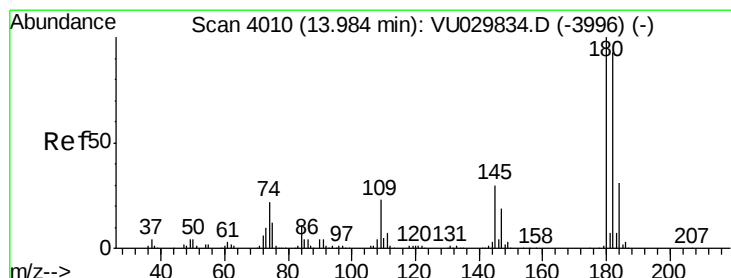
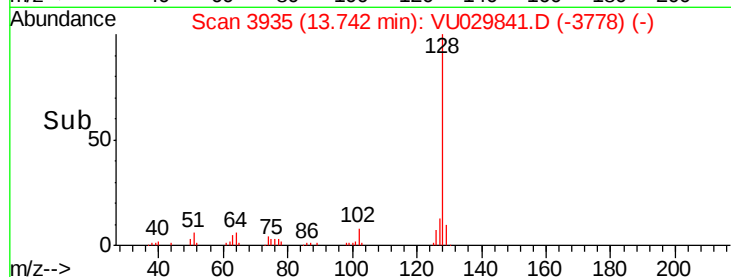
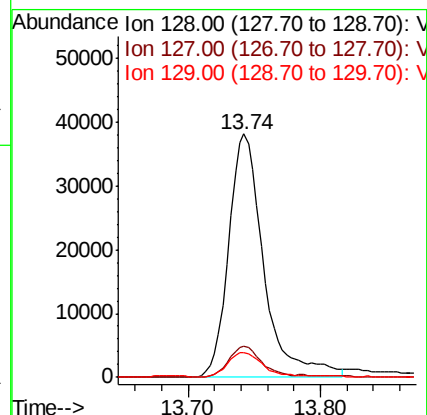
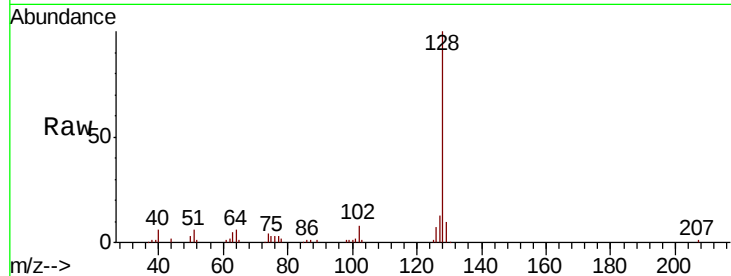
Instrument :
MSVOA_U
ClientSampleId :
VU0307WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	11.0	8.2	12.4

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3/11/2019 4:50:41 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.895 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029841.D
Acq: 06 Mar 2019 16:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.8	112.2
145	27.6	24.6	36.8

