

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029350.D
 Acq On : 05 Feb 2019 16:55
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:43 PM

Quant Time: Feb 08 11:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	48994	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19205	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	19984	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	4553	0.249	ug/l	96
3) Chloromethane	1.33	50	4734	0.283	ug/l	96
4) Vinyl Chloride	1.40	62	5502	0.281	ug/l #	87
5) Bromomethane	1.63	94	3555	0.326	ug/l	100
6) Chloroethane	1.70	64	3156m	0.276	ug/l	
7) Trichlorofluoromethane	1.88	101	7557	0.276	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4199m	0.291	ug/l	
9) 1,1-Dichloroethene	2.28	96	4434	0.314	ug/l	57
10) Iodomethane	2.40	142	3378m	0.455	ug/l	
11) Allyl Chloride	2.59	41	6575	0.277	ug/l	94
12) Acrylonitrile	2.93	53	2806	0.886	ug/l #	84
13) Acetone	2.32	43	4747	1.555	ug/l #	75
14) Carbon Disulfide	2.48	76	14170	0.284	ug/l	98
15) Methylene Chloride	2.70	84	5533	0.323	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	4222	0.267	ug/l #	73
17) 1,1-Dichloroethane	3.44	63	6679	0.267	ug/l #	92
18) 2-Butanone	4.29	43	3373m	0.989	ug/l	
19) Cyclohexane	4.99	56	7169m	0.309	ug/l	
20) Methylcyclohexane	6.41	83	5586	0.229	ug/l #	81
21) 2,2-Dichloropropane	4.23	77	7036	0.303	ug/l #	90
22) cis-1,2-Dichloroethene	4.23	96	4291	0.288	ug/l	78
23) Diethyl Ether	2.10	59	3224	0.284	ug/l #	78
24) tert-Butyl Alcohol	2.84	59	6173	5.234	ug/l #	83
25) Methyl tert-Butyl Ether	3.00	73	10885	0.274	ug/l #	47
26) Bromochloromethane	4.55	128	1951m	0.297	ug/l	
27) Chloroform	4.67	83	6606	0.271	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	5996	0.266	ug/l	94
29) 1,1-Dichloropropene	5.13	75	5312	0.271	ug/l	86
30) Carbon Tetrachloride	5.13	117	5197	0.254	ug/l	89
31) Isopropyl Ether	3.58	45	9795	0.259	ug/l	99
32) Ethyl-t-butyl ether	4.08	59	9595	0.253	ug/l #	83
33) Tert-Amyl methyl ether	5.58	73	8489	0.248	ug/l #	93
35) Benzene	5.39	78	14412	0.266	ug/l	97
36) 1,2-Dichloroethane	5.41	62	4082	0.249	ug/l #	75
37) Trichloroethene	6.19	130	4141	0.266	ug/l	80
38) 1,2-Dichloropropane	6.44	63	3777	0.268	ug/l	92
41) Tetrahydrofuran	4.65	42	1294m	0.559	ug/l	
42) 1-Chlorobutane	5.07	56	6476	0.247	ug/l	80
43) Dibromomethane	6.56	93	2035	0.271	ug/l #	81
44) Bromodichloromethane	6.76	83	5026	0.263	ug/l #	97
45) 4-Methyl-2-Pentanone	7.47	43	10654	1.210	ug/l #	78

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Manual Integrations
 APPROVED

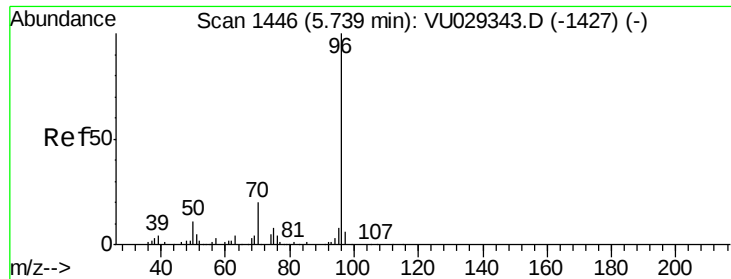
sam
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Quant Time: Feb 08 11:24:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

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

46) t-1,4-Dichloro-2-butene	10.52	75	2094m	0.488	ug/l	
47) Methyl methacrylate	6.63	69	2756	0.417	ug/l #	85
48) Ethyl methacrylate	8.03	69	3386	0.239	ug/l	93
49) Toluene	7.64	92	8925	0.257	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	4530	0.241	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	5600	0.251	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	2420	0.243	ug/l #	88
53) 1,3-Dichloropropane	8.24	76	4125	0.236	ug/l	99
54) 2-Hexanone	8.38	43	7109	1.152	ug/l	85
55) Dibromochloromethane	8.48	129	3773	0.267	ug/l	99
56) 1,2-Dibromoethane	8.59	107	2886	0.283	ug/l	97
58) Tetrachloroethene	8.22	164	4068	0.281	ug/l	89
59) Chlorobenzene	9.12	112	9728	0.249	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	4081	0.283	ug/l	95
61) Pentachloroethane	11.10	117	2938	0.263	ug/l	94
62) Hexachloroethane	12.14	117	3066	0.251	ug/l	95
63) Ethyl Benzene	9.25	91	16429	0.242	ug/l #	87
64) m/p-Xylenes	9.38	106	13601	0.516	ug/l	86
65) o-Xylene	9.78	106	6748	0.261	ug/l	81
66) Styrene	9.79	104	10131	0.235	ug/l	98
67) Bromoform	9.96	173	2246	0.255	ug/l #	92
69) Isopropylbenzene	10.16	105	17502	0.253	ug/l	94
70) 1,1,2,2-Tetrachloroethane	10.46	83	3204	0.251	ug/l #	82
71) 1,2,3-Trichloropropane	10.49	75	2334m	0.267	ug/l	
72) Bromobenzene	10.46	156	4477	0.267	ug/l	82
73) n-propylbenzene	10.59	120	4463	0.232	ug/l	91
74) 2-Chlorotoluene	10.66	126	4378	0.267	ug/l	81
75) 1,3,5-Trimethylbenzene	10.77	105	14886	0.250	ug/l	96
76) 4-Chlorotoluene	10.77	126	4563	0.268	ug/l	69
77) tert-Butylbenzene	11.10	119	15354	0.261	ug/l	91
78) 1,2,4-Trimethylbenzene	11.15	105	15422	0.256	ug/l	93
79) sec-Butylbenzene	11.32	105	19776	0.256	ug/l	98
81) p-Isopropyltoluene	11.48	119	16560	0.253	ug/l	94
82) 1,3-Dichlorobenzene	11.42	146	8416	0.256	ug/l	95
83) 1,4-Dichlorobenzene	11.51	146	7929	0.242	ug/l	95
84) n-Butylbenzene	11.89	91	13261	0.221	ug/l #	92
85) 1,2-Dichlorobenzene	11.88	146	8133	0.262	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	627	0.264	ug/l	99
87) 1,2,4-Trichlorobenzene	13.51	180	4955	0.227	ug/l	98
88) Hexachlorobutadiene	13.69	225	3211	0.254	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	5141	0.258	ug/l	92

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

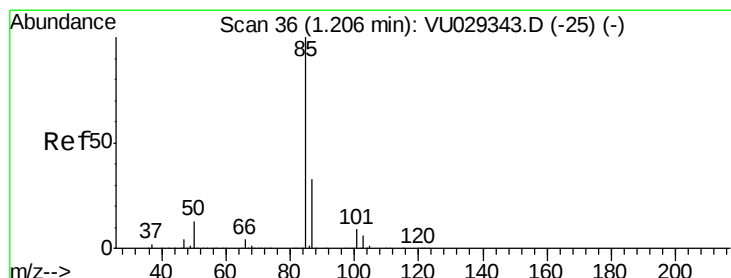
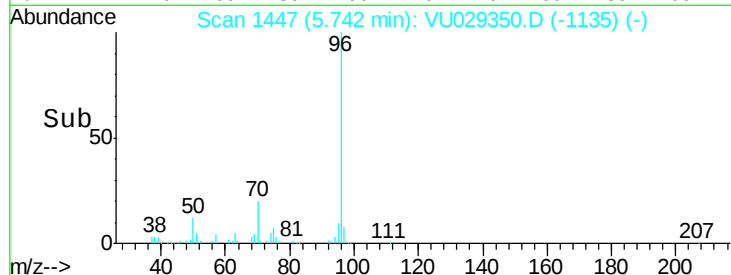
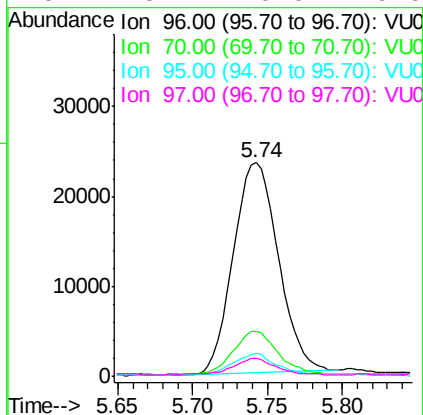
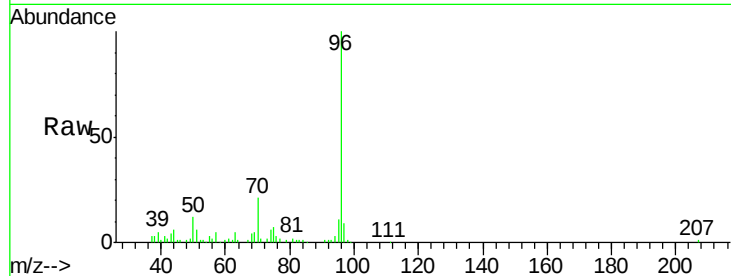
ClientSampleId :

MDL02

Tot Ion:	96	Resp:	48994
Ion	Ratio	Lower	Upper
96	100		
70	20.3	16.2	24.2
95	8.9	7.4	11.2
97	6.4	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.249 ug/l

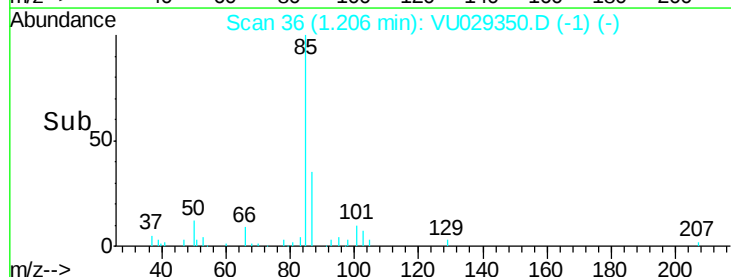
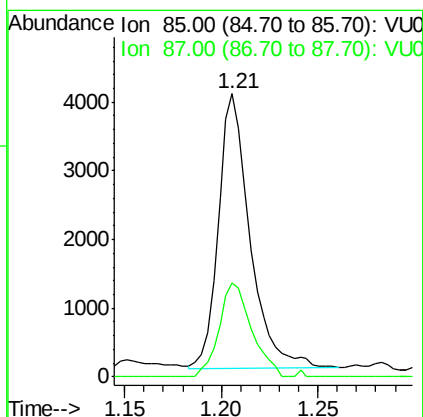
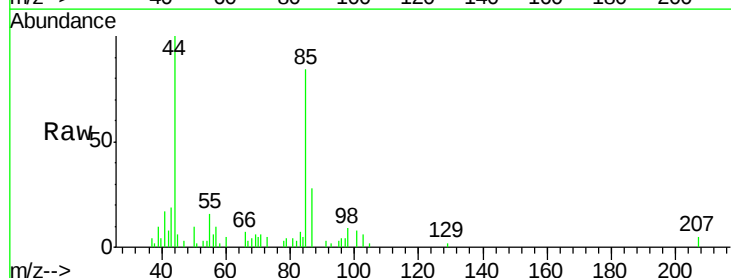
RT: 1.21 min Scan# 36

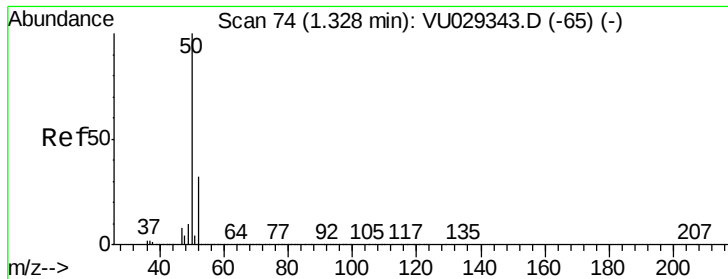
Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	85	Resp:	4553
Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.9	47.6





#3

Chloromethane

Concen: 0.283 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 50 Resp: 4734

Ion Ratio Lower Upper

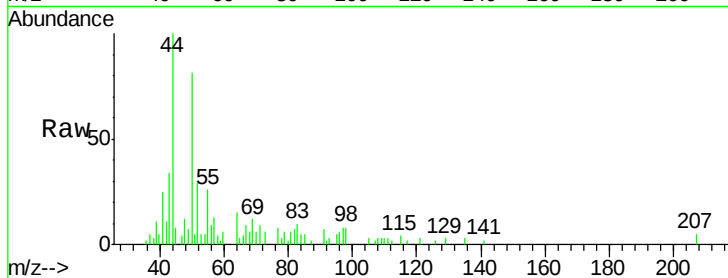
50 100

52 36.1 27.3 40.9

Manual Integrations
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

5000

4000

3000

2000

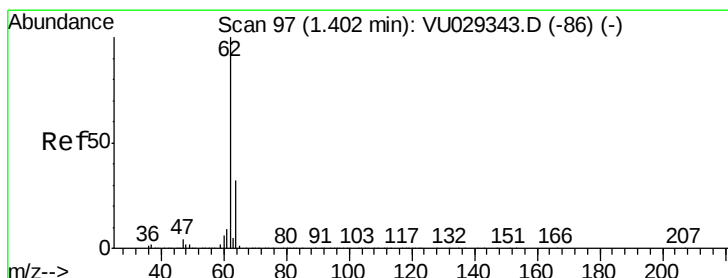
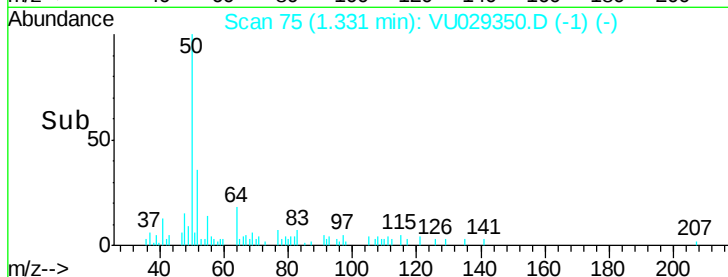
1000

0

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.281 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029350.D

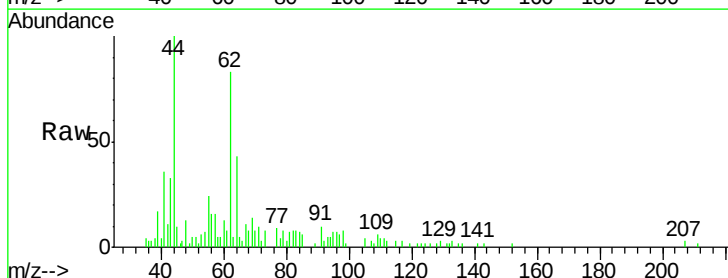
Acq: 05 Feb 2019 16:55

Tgt Ion: 62 Resp: 5502

Ion Ratio Lower Upper

62 100

64 24.3 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

6000

5000

4000

3000

2000

1000

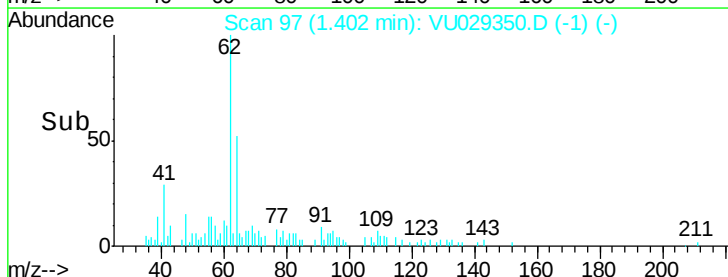
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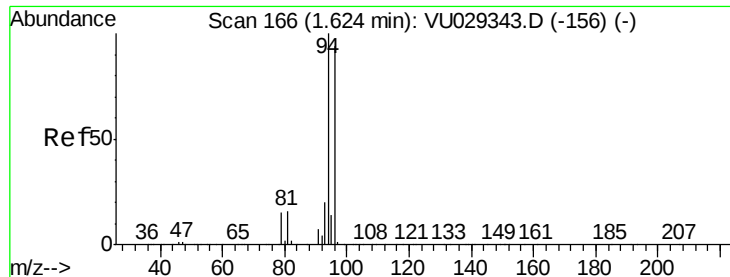
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 94 Resp: 3555

Ion Ratio Lower Upper

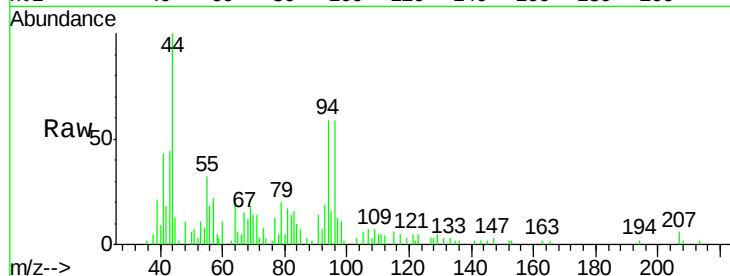
94 100

96 89.8 71.7 107.5

Manual Integrations
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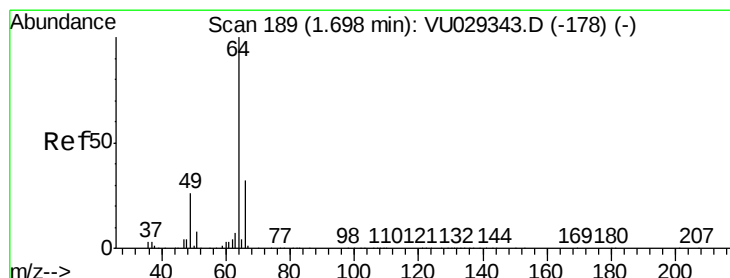
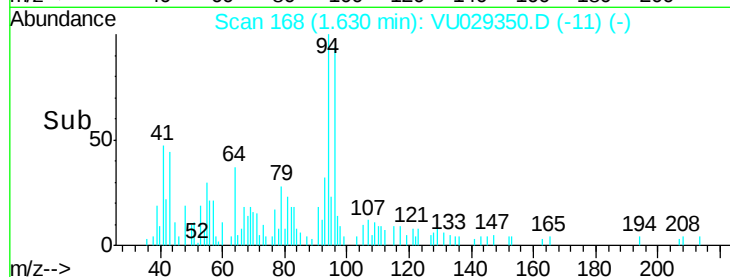
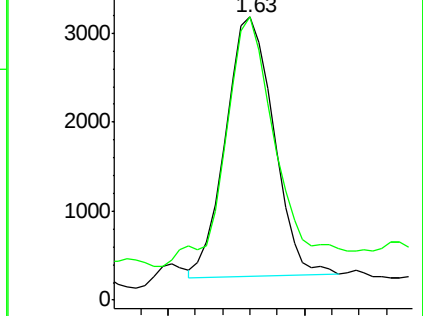
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.276 ug/l m

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029350.D

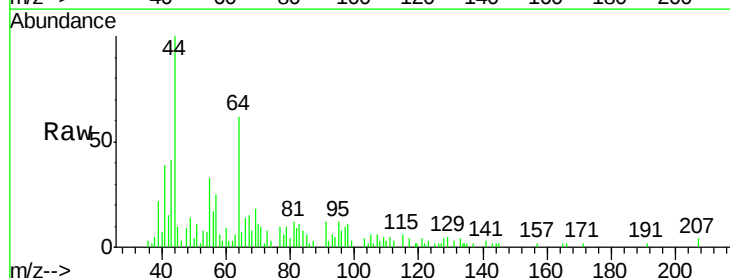
Acq: 05 Feb 2019 16:55

Tgt Ion: 64 Resp: 3156

Ion Ratio Lower Upper

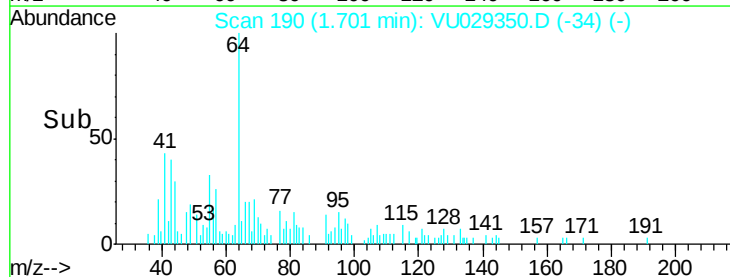
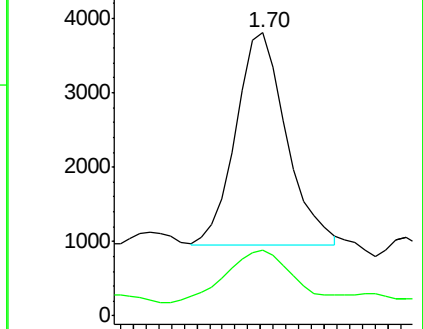
64 100

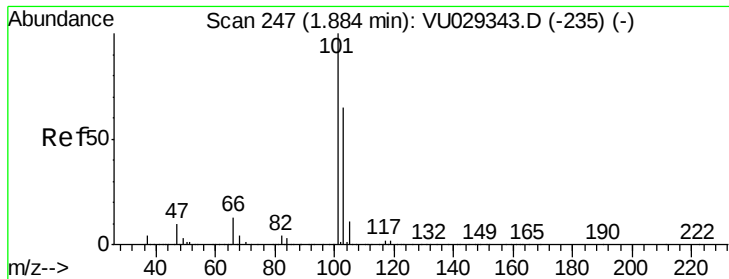
66 23.1 26.3 39.5#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

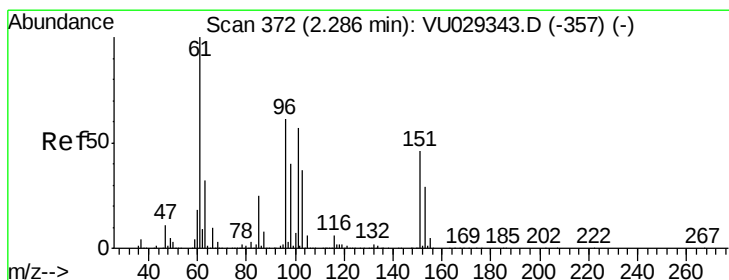
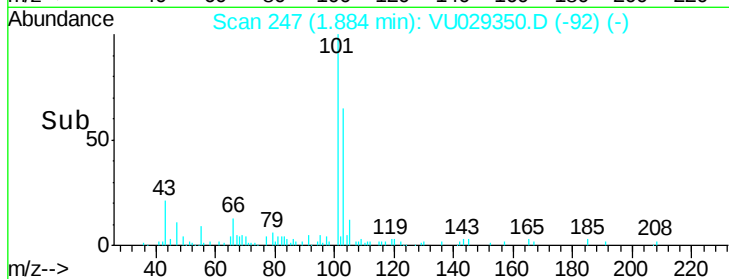
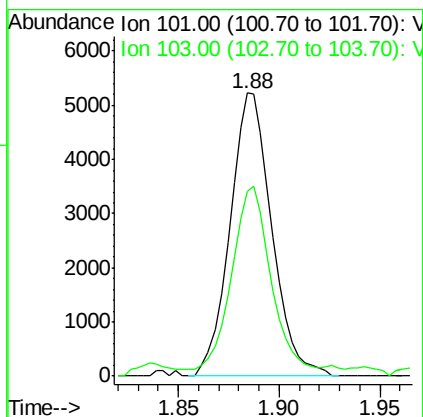
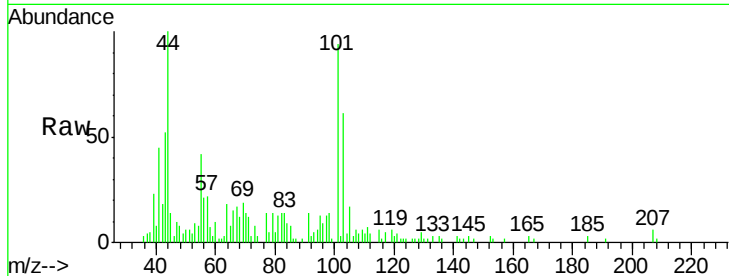
Trichlorofluoromethane
Concen: 0.276 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.9	80.9

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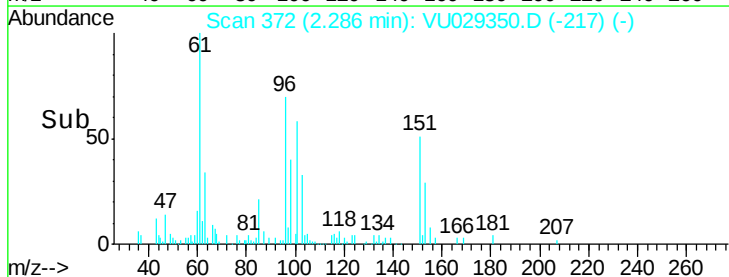
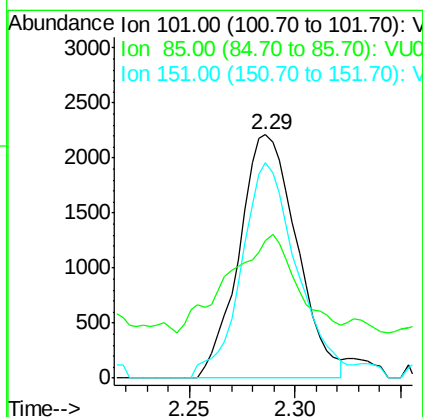
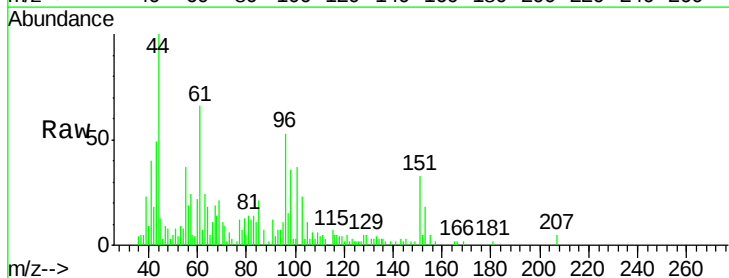
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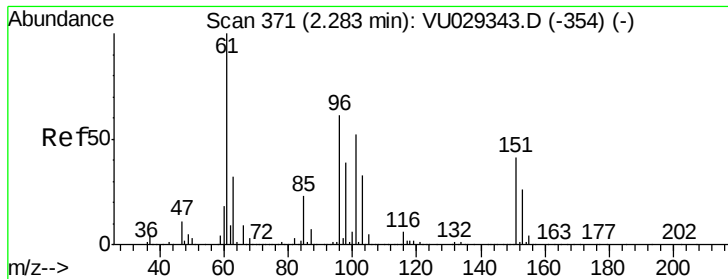


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.291 ug/l m
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.8	40.3	60.5
151	78.9	58.1	87.1





#9

1,1-Dichloroethene

Concen: 0.314 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

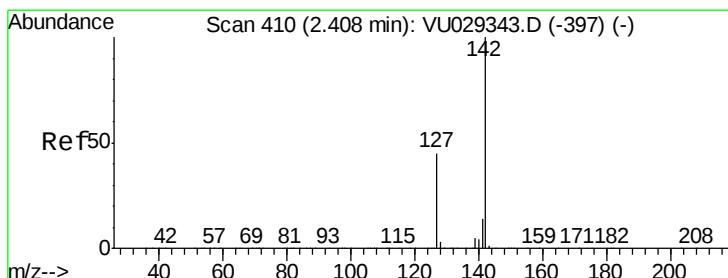
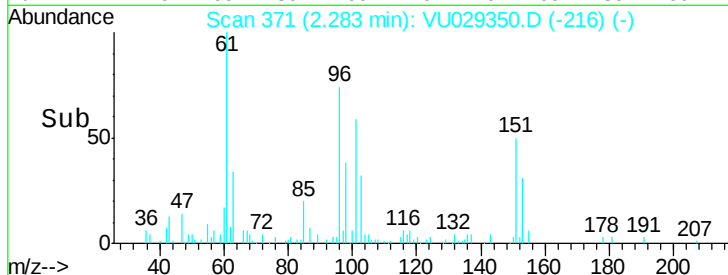
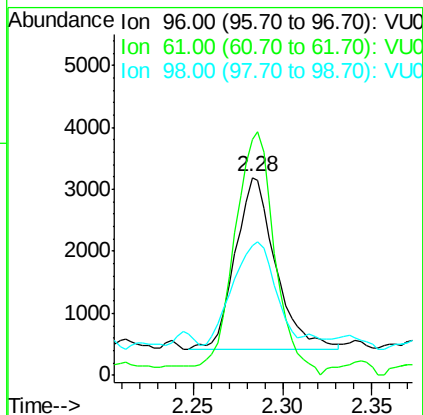
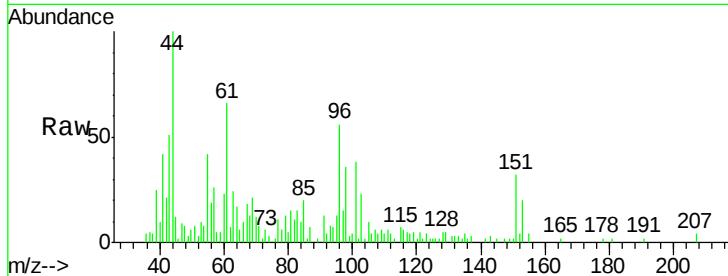
ClientSampled :

MDL02

Tot Ion:	96	Resp:	4434
Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	641.4
98	52.9	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 0.455 ug/l m

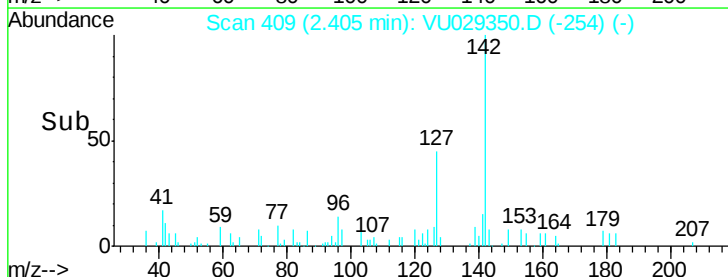
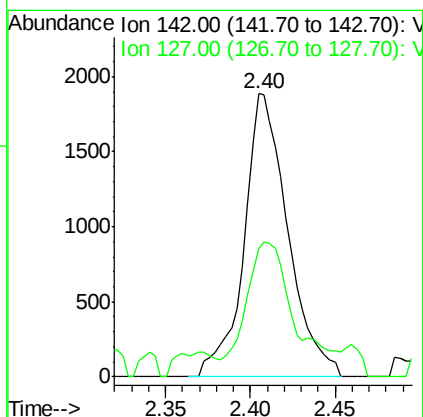
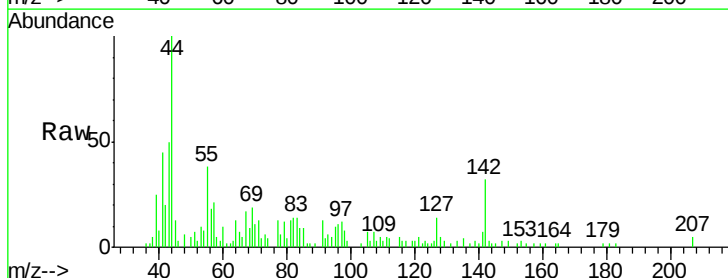
RT: 2.40 min Scan# 409

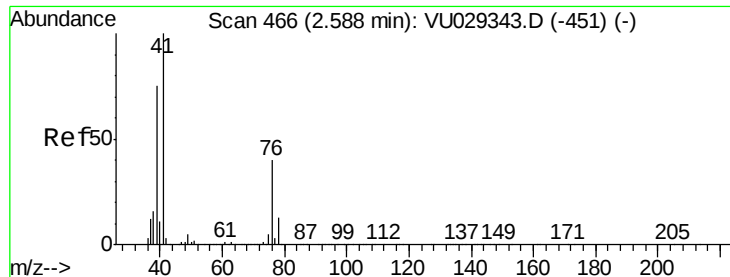
Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	142	Resp:	3378
Ion	Ratio	Lower	Upper
142	100		
127	2.2	47.6	71.4#





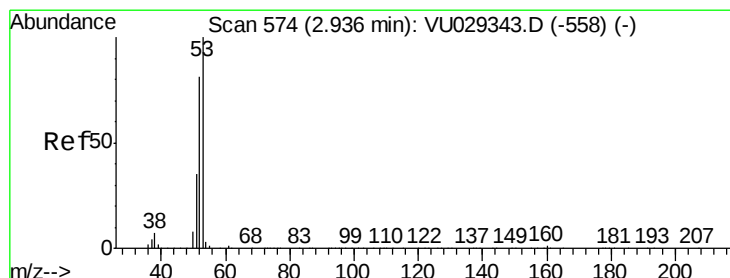
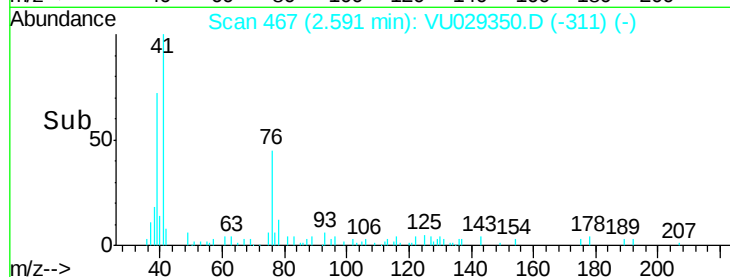
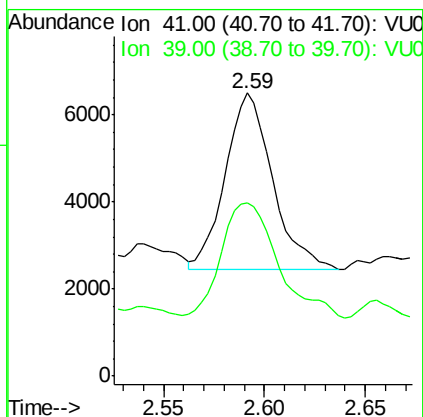
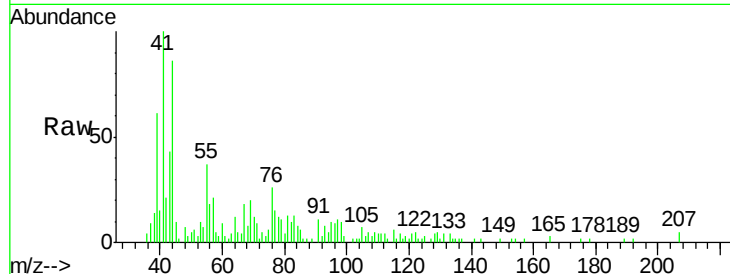
#11
Allvl Chloride
Concen: 0.277 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion: 41 Resp: 6575
Ion Ratio Lower Upper
41 100
39 78.3 67.2 100.8

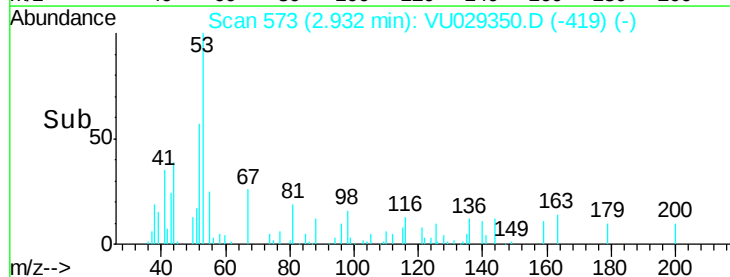
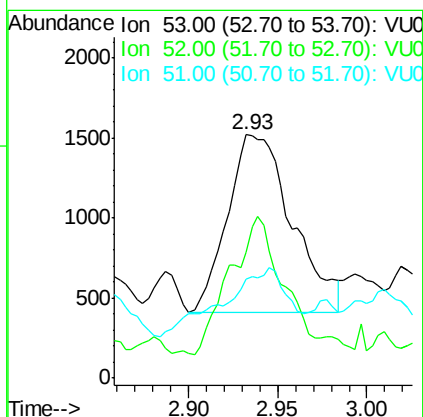
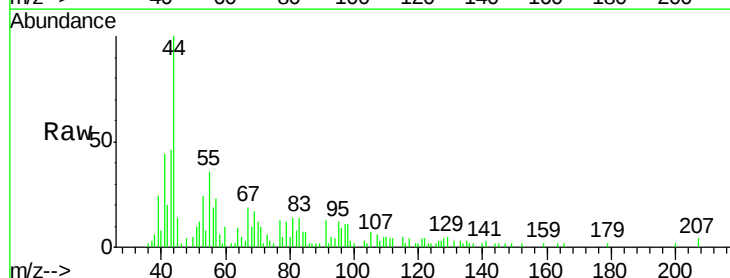
Manual Integrations
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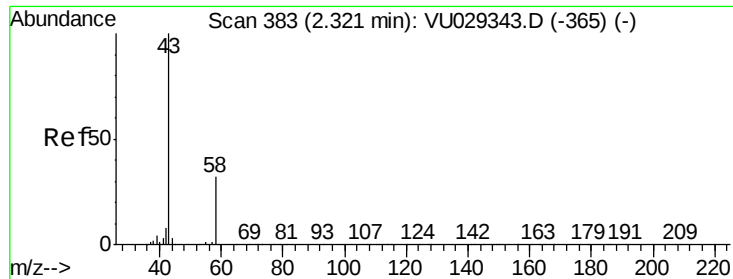
sam
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#12
Acrylonitrile
Concen: 0.886 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion: 53 Resp: 2806
Ion Ratio Lower Upper
53 100
52 63.5 67.6 101.4#
51 39.1 31.0 46.4





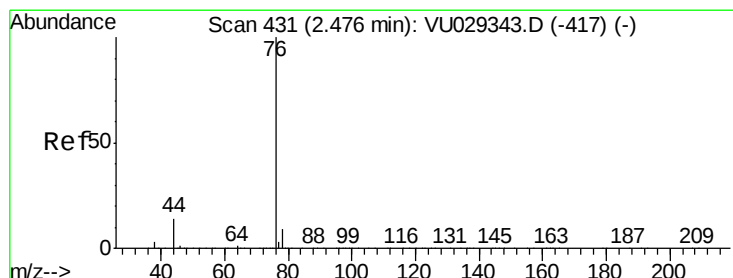
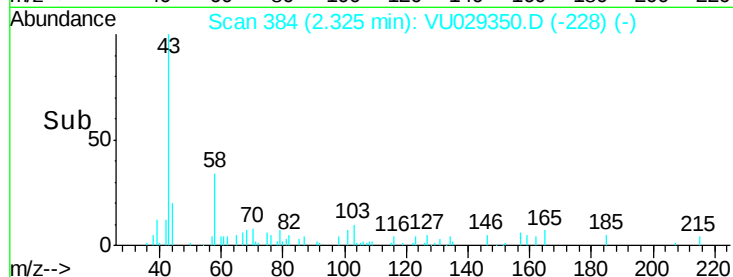
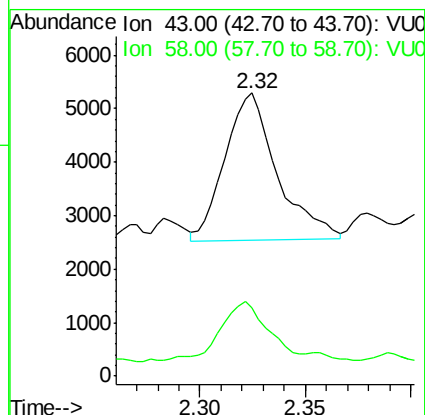
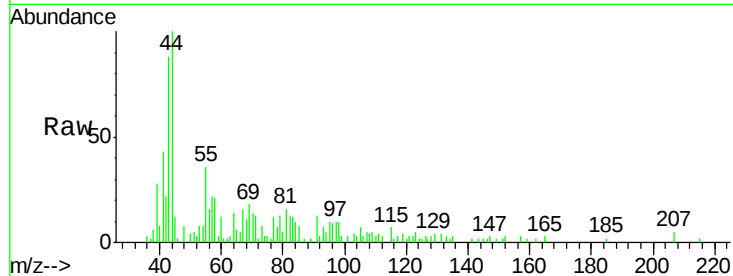
#13
Acetone
Concen: 1.555 ug/l
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
58 36.5 19.2 28.8#

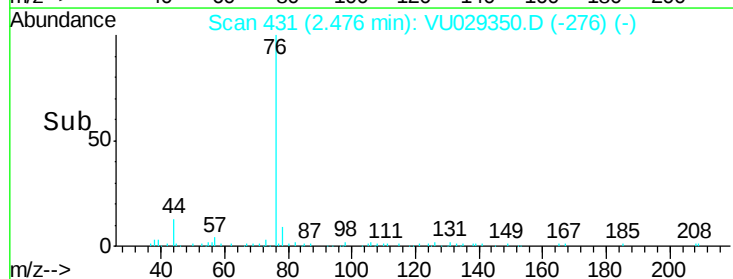
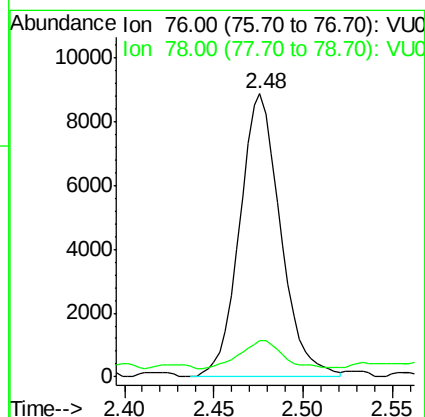
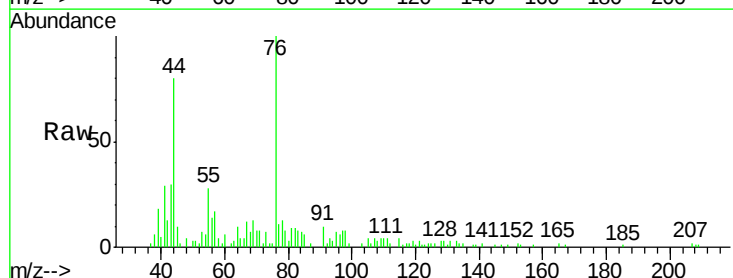
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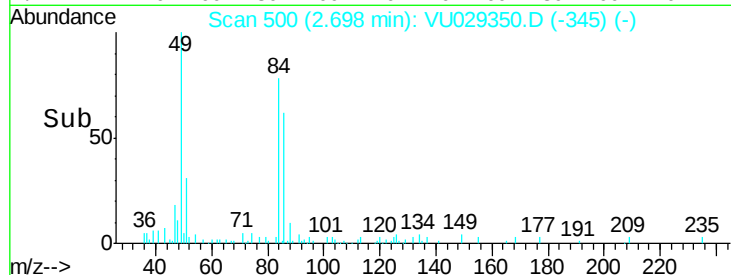
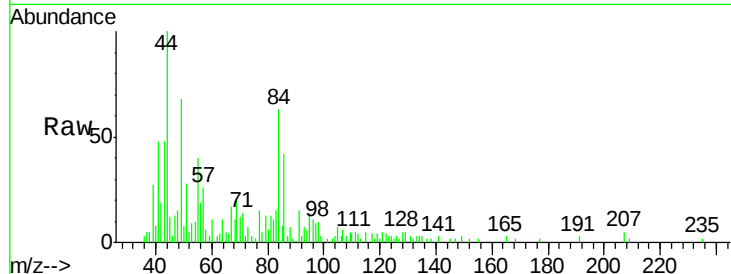
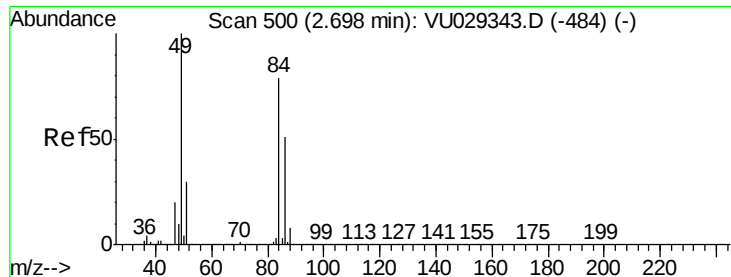
sam
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#14
Carbon Disulfide
Concen: 0.284 ug/l
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion: 76 Resp: 14170
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7





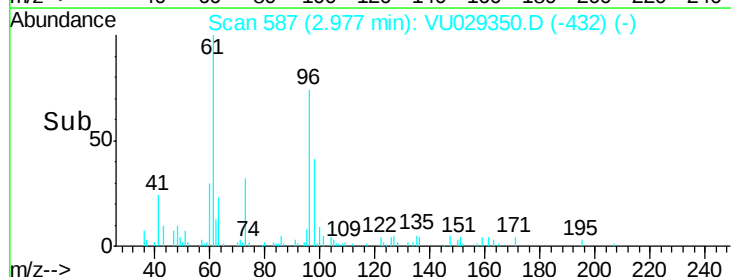
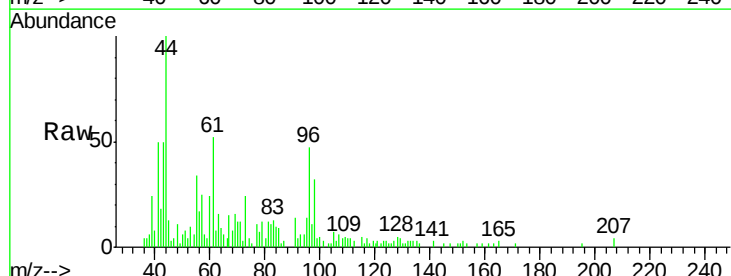
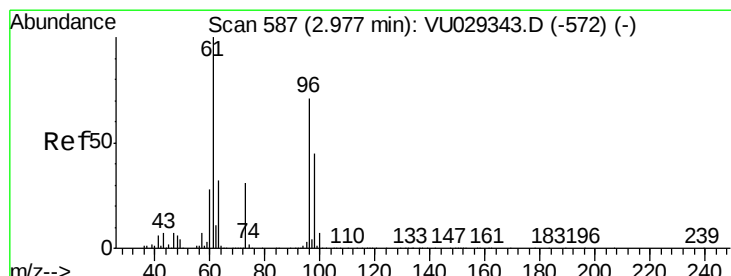
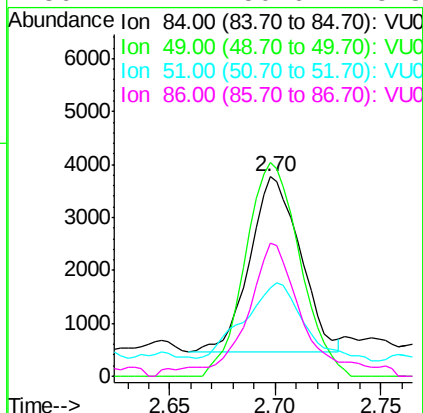
#15
Methvlene Chloride
Concen: 0.323 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tot Ion	Ratio	Lower	Upper
84	100		
49	121.9	127.0	190.6#
51	39.6	0.0	93.4
86	71.2	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
MDL02

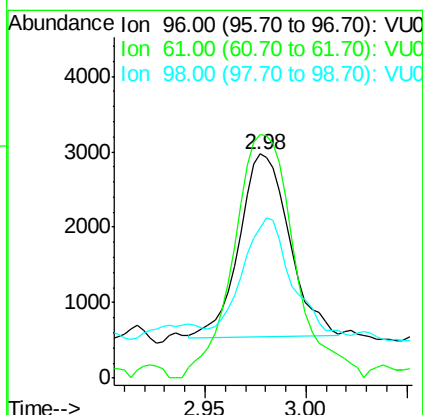
Manual Integrations
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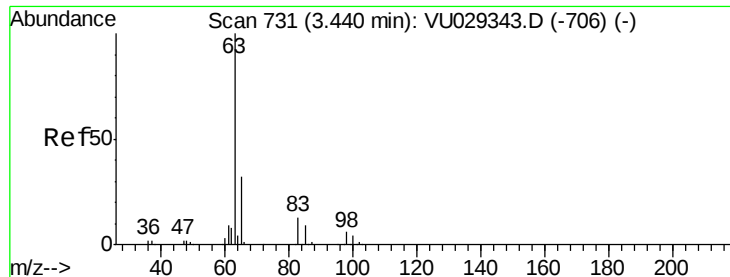
sam
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#16
trans-1,2-Dichloroethene
Concen: 0.267 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.1	140.6	210.8#
98	56.8	49.3	73.9





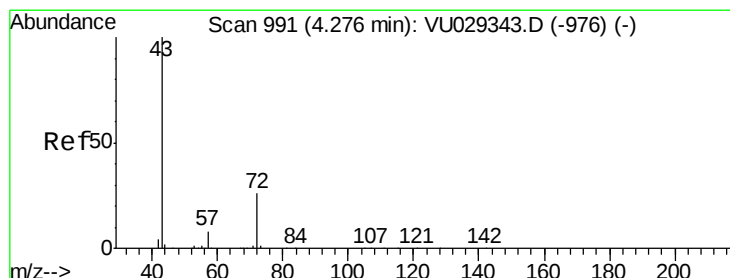
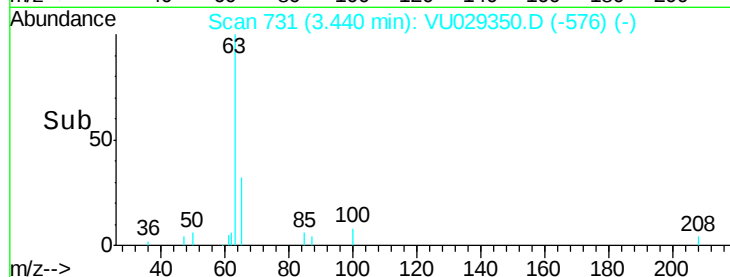
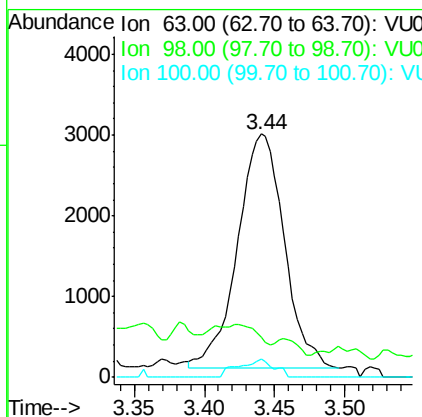
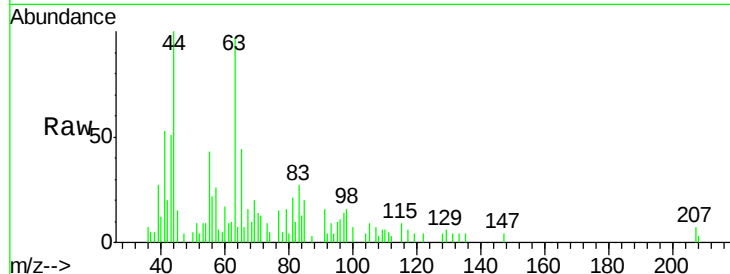
#17
 1,1-Dichloroethane
 Concen: 0.267 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.9	8.8
100	8.0	1.7	5.1#

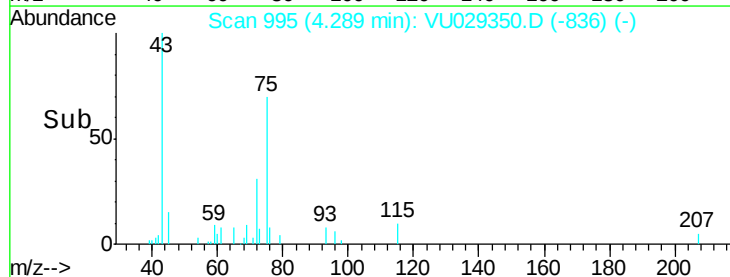
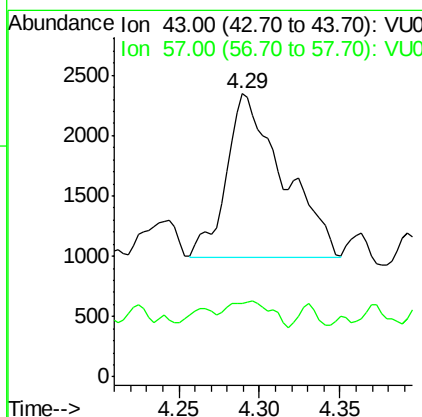
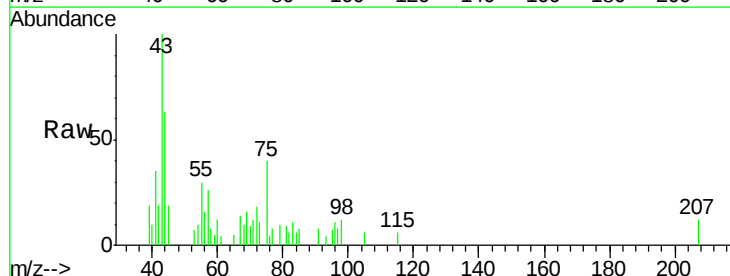
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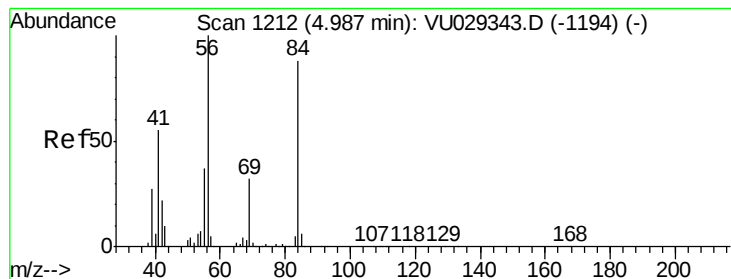
sam
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#18
 2-Butanone
 Concen: 0.989 ug/l m
 RT: 4.29 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
43	100		
57	25.9	0.0	15.8#





#19

Cyclohexane

Concen: 0.309 ug/l m

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 56 Resp: 7169

Ion Ratio Lower Upper

56 100

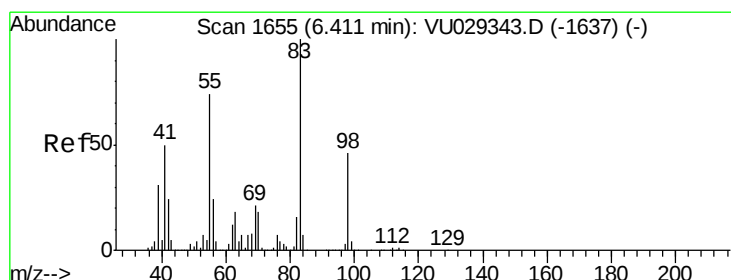
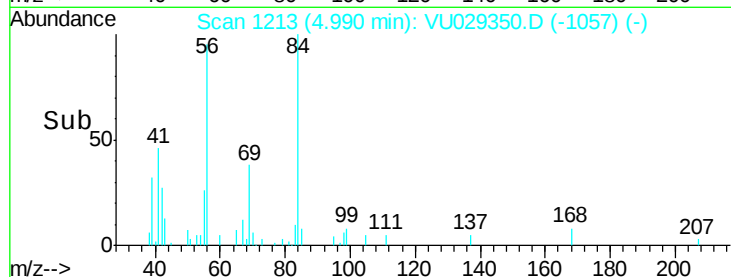
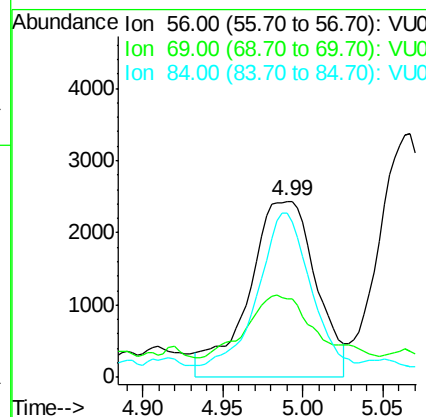
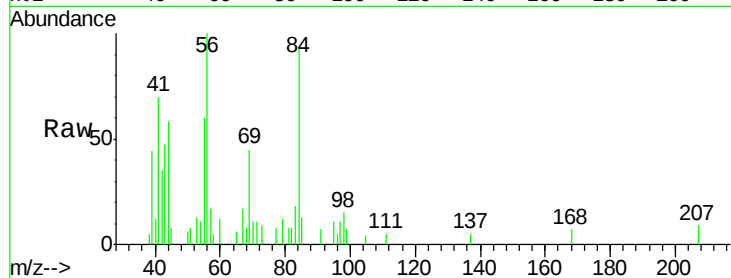
69 33.7 26.8 40.2

84 64.0 71.5 107.3#

Manual Integrations
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#20

Methylcyclohexane

Concen: 0.229 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

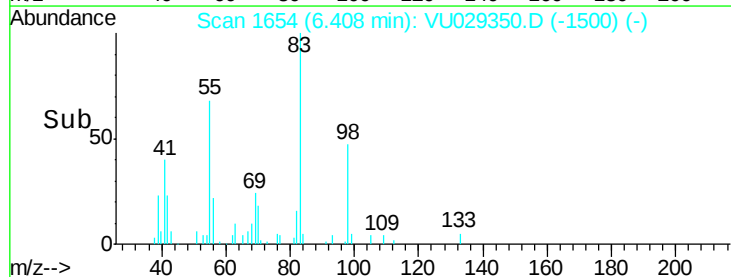
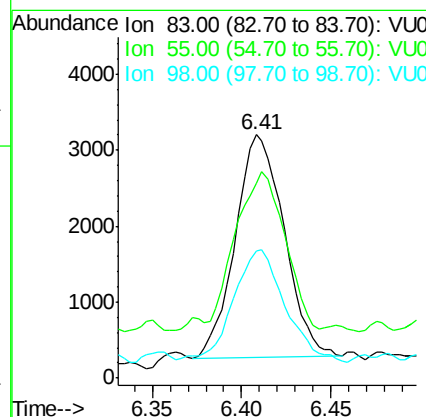
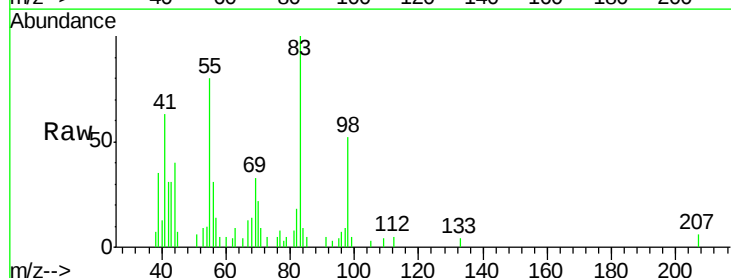
Tgt Ion: 83 Resp: 5586

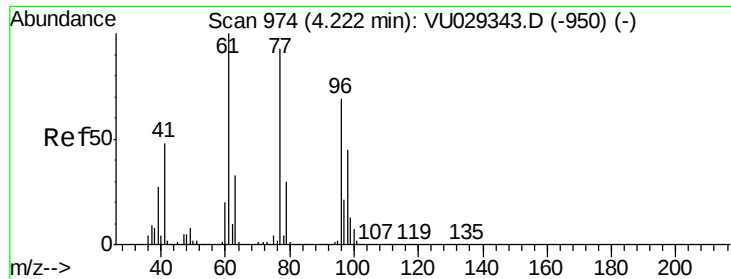
Ion Ratio Lower Upper

83 100

55 68.0 72.4 108.6#

98 51.6 36.6 54.8





#21

2,2-Dichloropropane

Concen: 0.303 ug/l

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 77 Resp: 7036

Ion Ratio Lower Upper

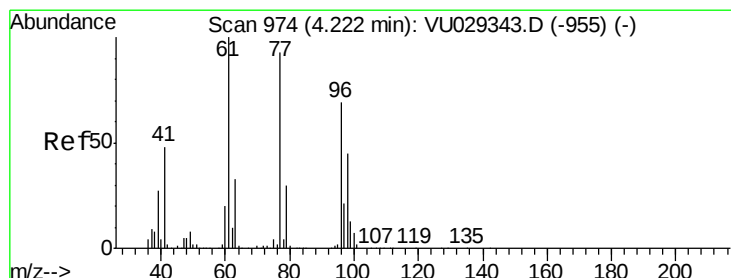
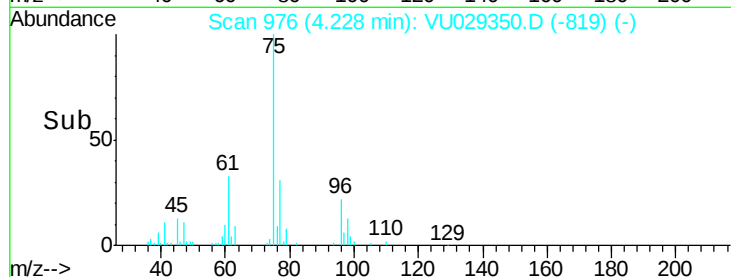
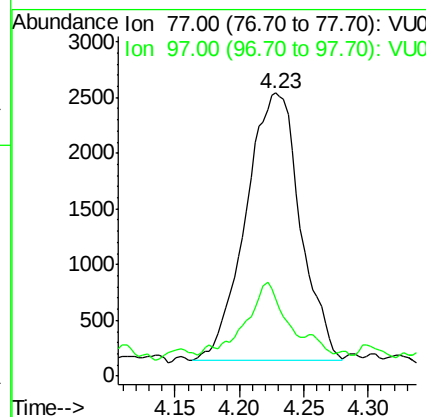
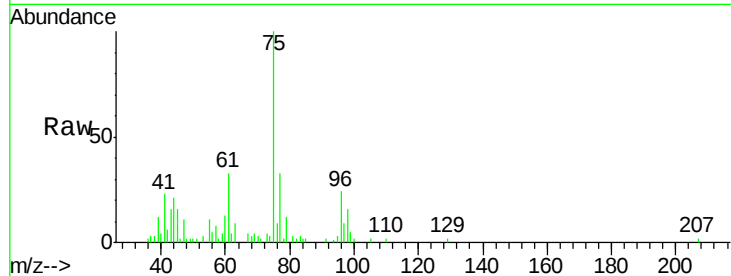
77 100

97 15.1 15.6 23.4#

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#22

cis-1,2-Dichloroethene

Concen: 0.288 ug/l

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

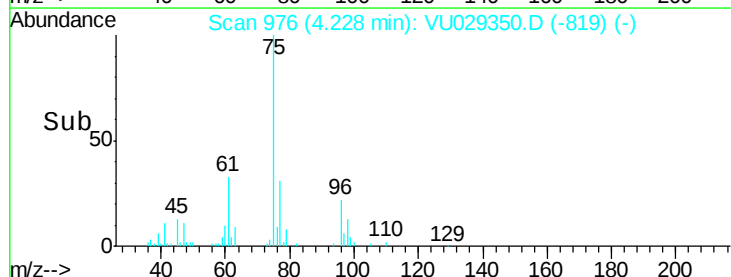
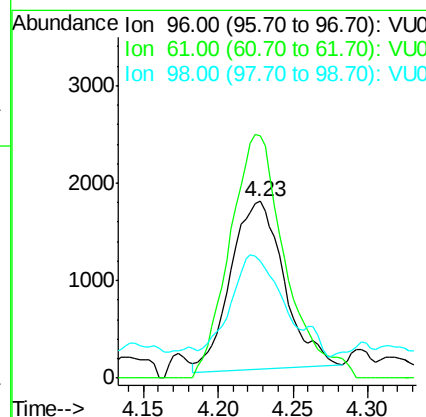
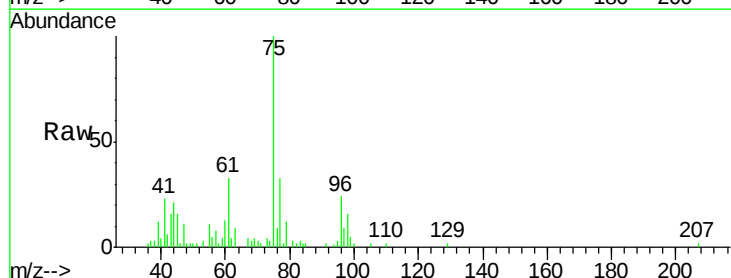
Tgt Ion: 96 Resp: 4291

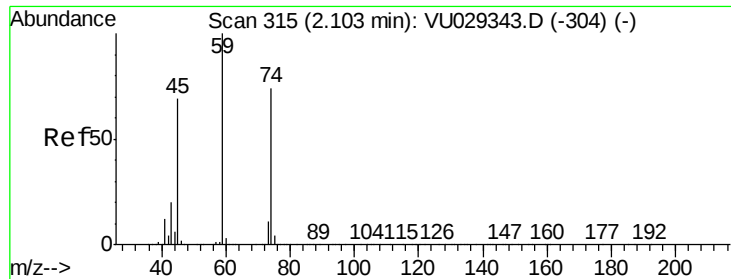
Ion Ratio Lower Upper

96 100

61 150.4 0.0 460.0

98 50.1 32.6 97.7





#23

Diethyl Ether

Concen: 0.284 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

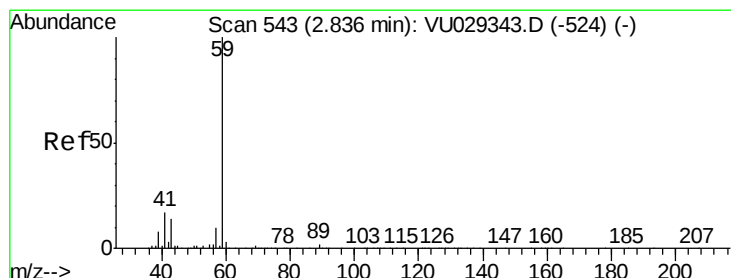
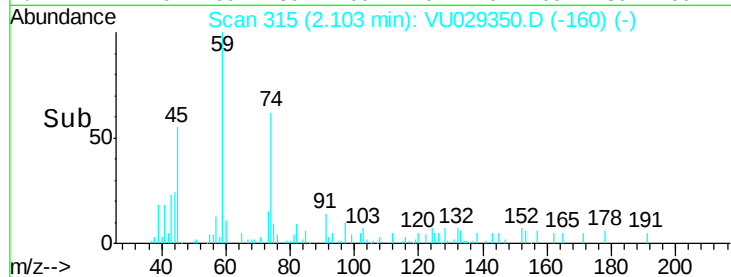
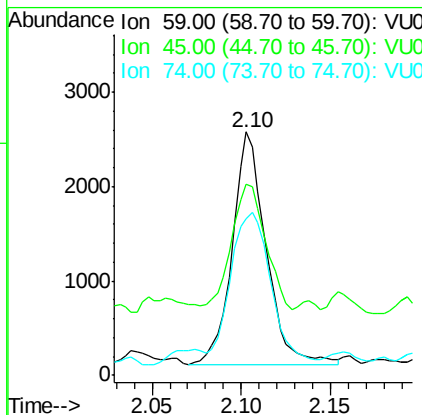
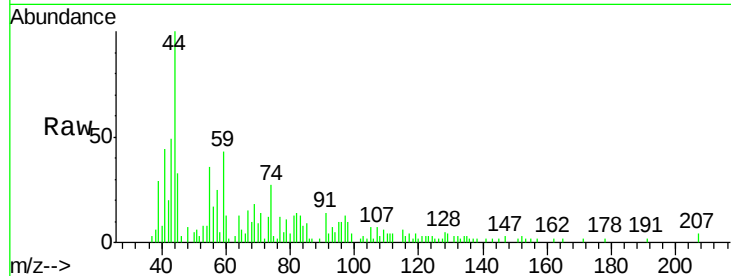
ClientSampleId :

MDL02

Tot Ion:	59	Resp:	3224
Ion	Ratio	Lower	Upper
59	100		
45	54.4	64.2	96.4#
74	80.1	55.3	82.9

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#24

tert-Butyl Alcohol

Concen: 5.234 ug/l

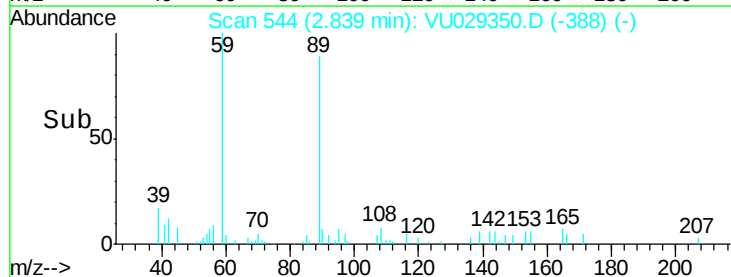
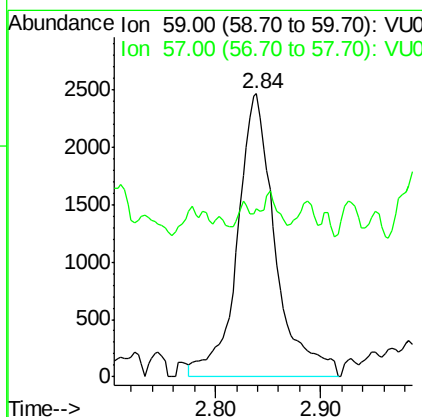
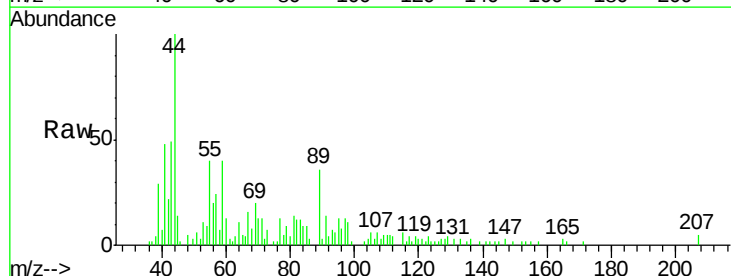
RT: 2.84 min Scan# 544

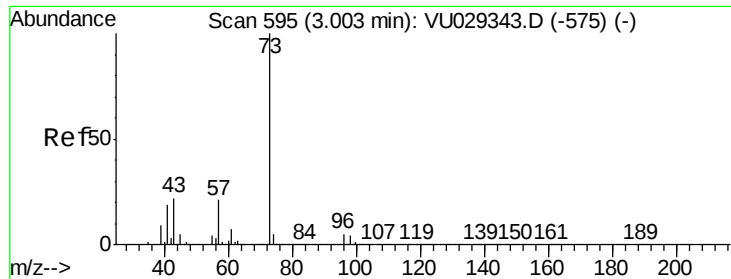
Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	59	Resp:	6173
Ion	Ratio	Lower	Upper
59	100		
57	4.4	8.8	13.2#





#25

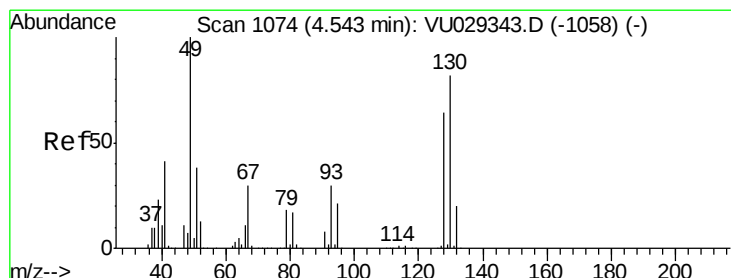
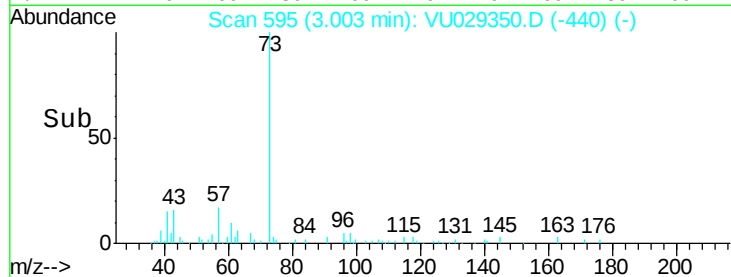
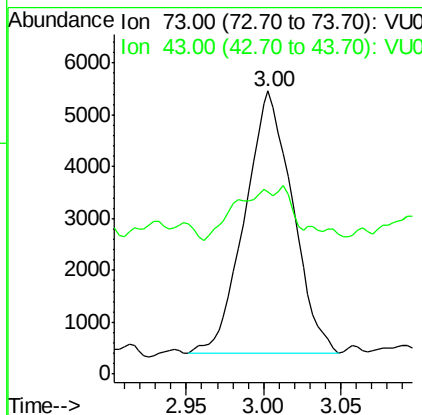
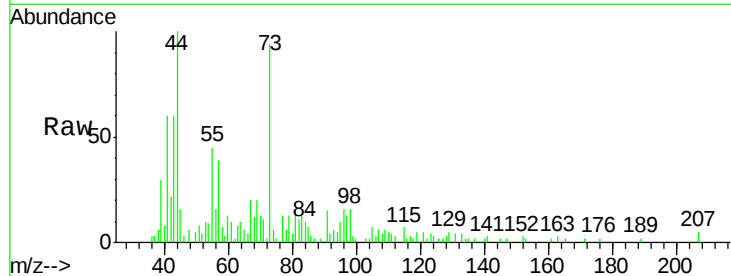
Methyl tert-Butyl Ether
Concen: 0.274 ug/l
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	73	Resp	10885
Ion Ratio	Lower	Upper	
73	100		
43	0.0	22.1	33.1#

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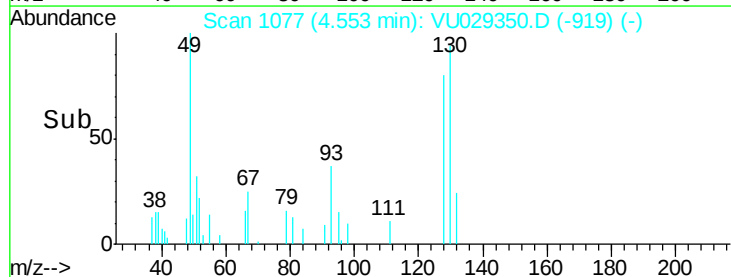
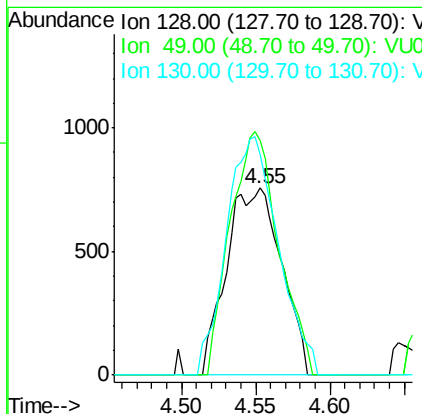
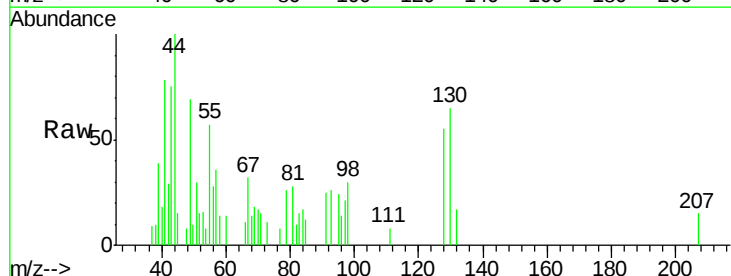
sam
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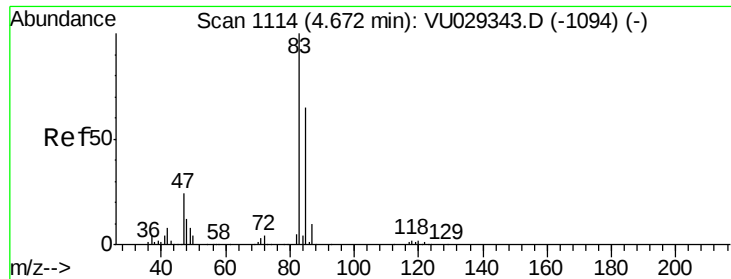


#26

Bromochloromethane
Concen: 0.297 ug/l m
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	128	Resp	1951
Ion Ratio	Lower	Upper	
128	100		
49	114.9	0.0	401.6
130	120.3	108.0	162.0





#27

Chloroform

Concen: 0.271 ug/l

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 83 Resp: 6606

Ion Ratio Lower Upper

83 100

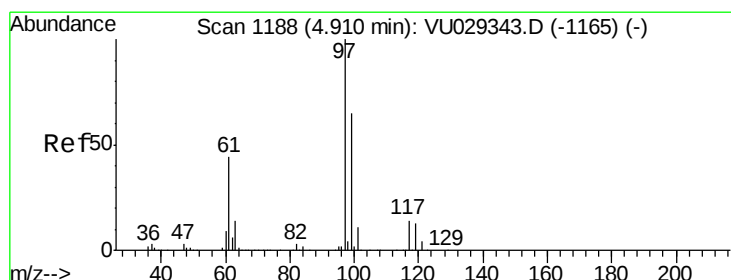
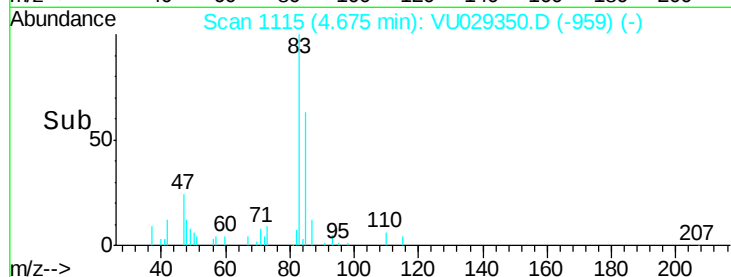
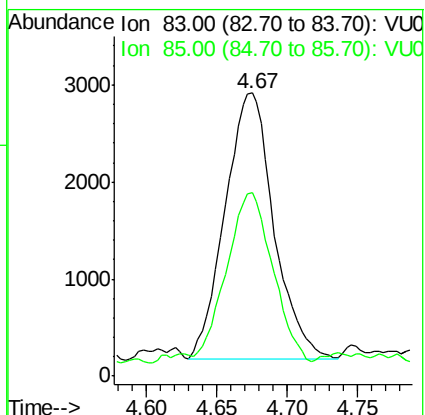
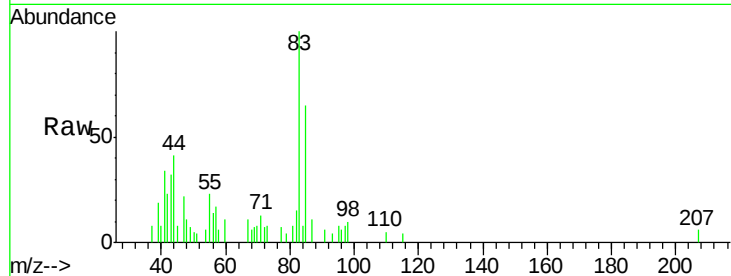
85 61.5 0.0 126.6

Manual Integrations

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sam

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#28

1,1,1-Trichloroethane

Concen: 0.266 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

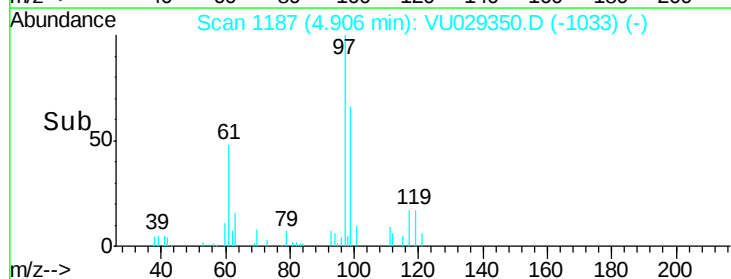
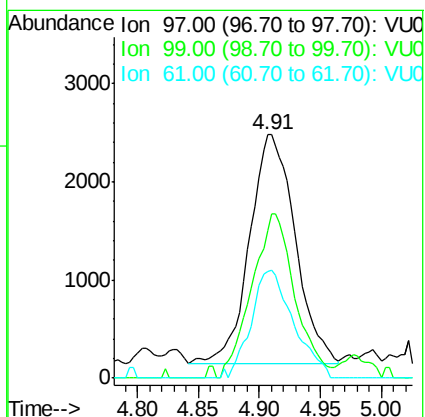
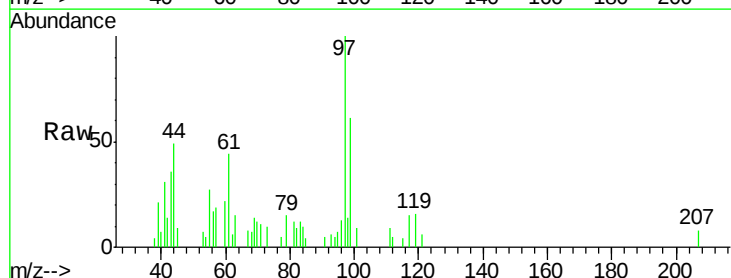
Tgt Ion: 97 Resp: 5996

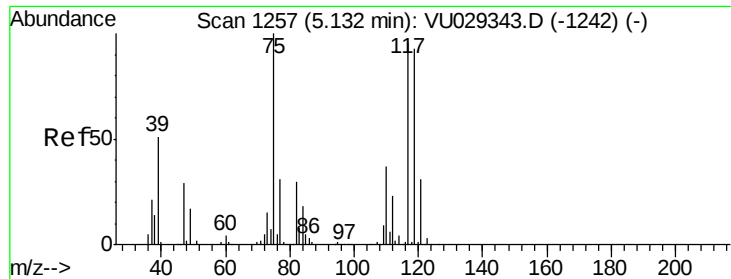
Ion Ratio Lower Upper

97 100

99 68.6 32.4 97.2

61 44.1 24.4 73.2





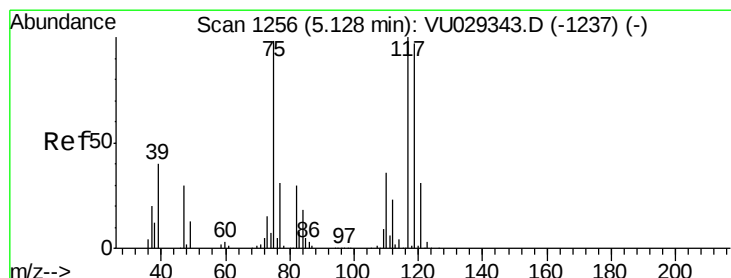
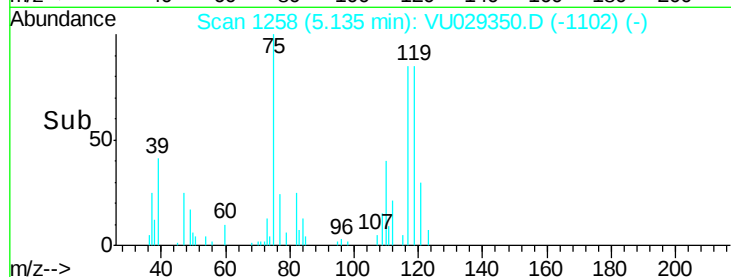
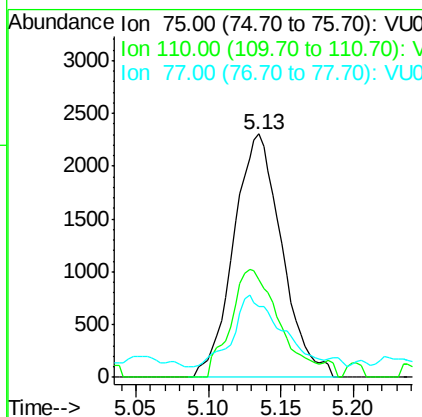
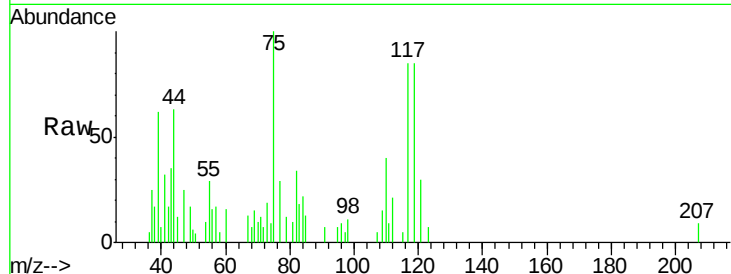
#29
 1,1-Dichloropropene
 Concen: 0.271 ug/l
 RT: 5.13 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
110	44.4	15.4	46.2
77	28.7	24.1	36.1

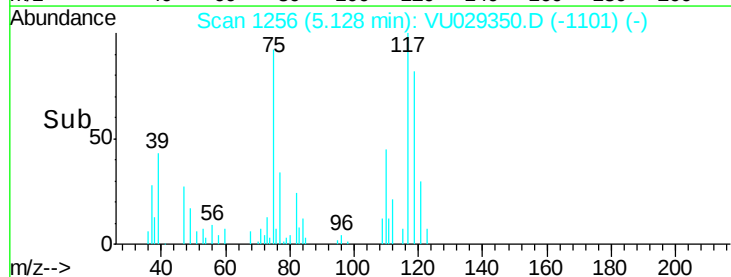
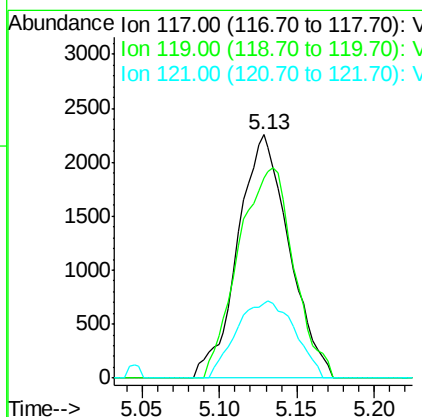
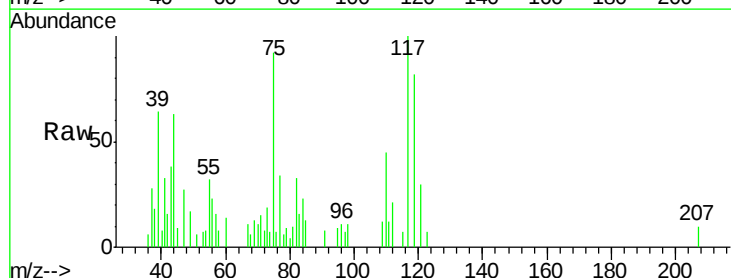
Manual Integrations
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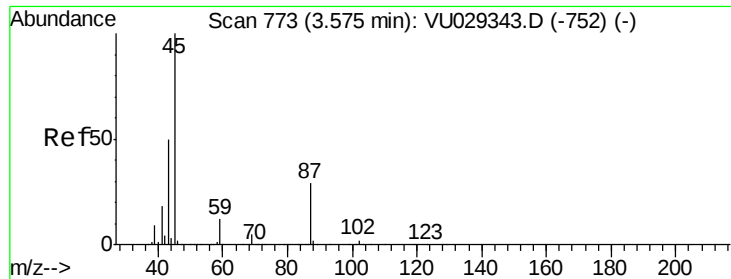
sam
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#30
 Carbon Tetrachloride
 Concen: 0.254 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.0	76.8	115.2
121	30.4	24.4	36.6





#31

Isopropyl Ether

Concen: 0.259 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 45 Resp: 9795

Ion Ratio Lower Upper

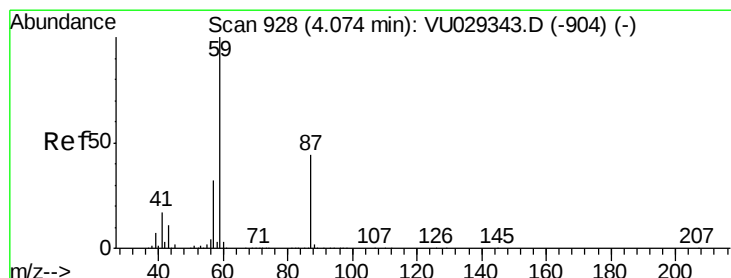
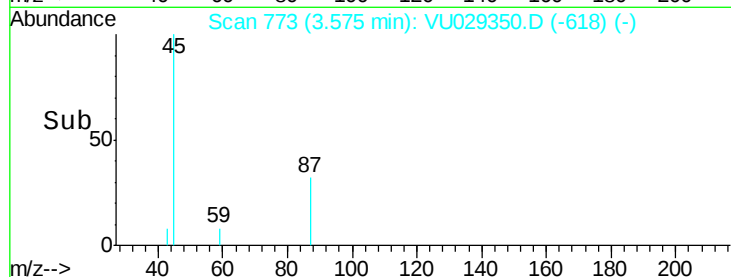
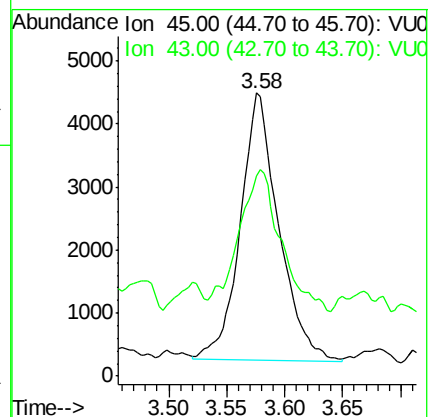
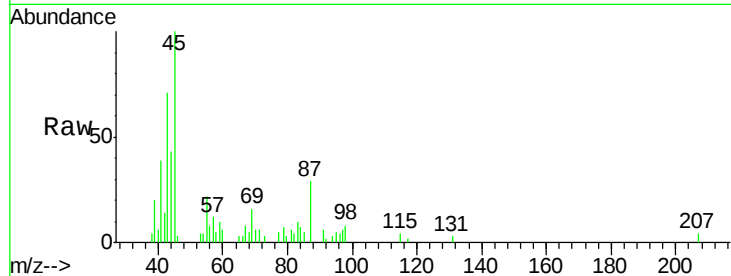
45 100

43 58.0 28.4 85.3

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2/8/2019 2:26:43 PM



#32

Ethyl-t-butyl ether

Concen: 0.253 ug/l

RT: 4.08 min Scan# 930

Delta R.T. 0.01 min

Lab File: VU029350.D

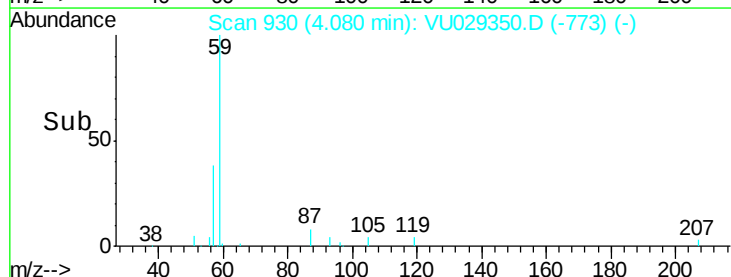
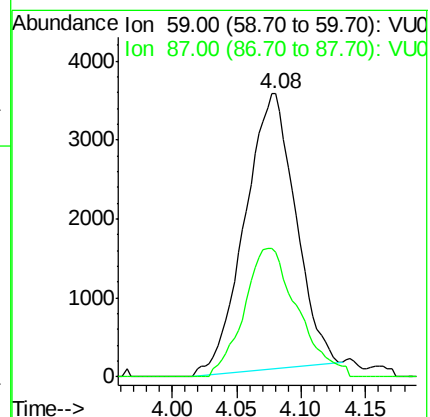
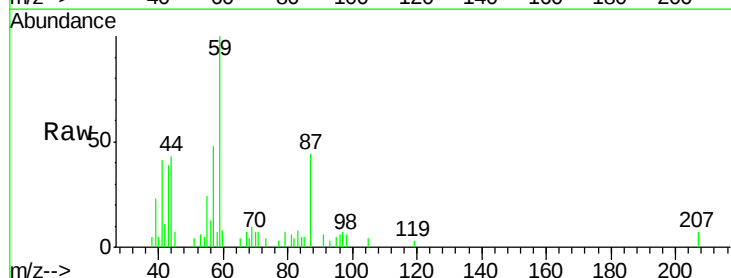
Acq: 05 Feb 2019 16:55

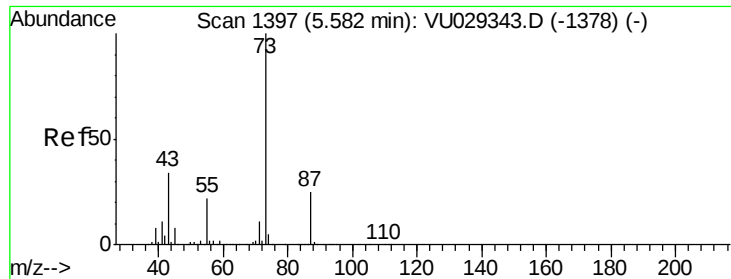
Tgt Ion: 59 Resp: 9595

Ion Ratio Lower Upper

59 100

87 49.0 31.1 46.7#





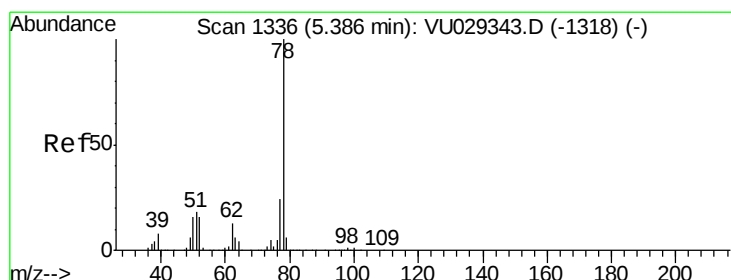
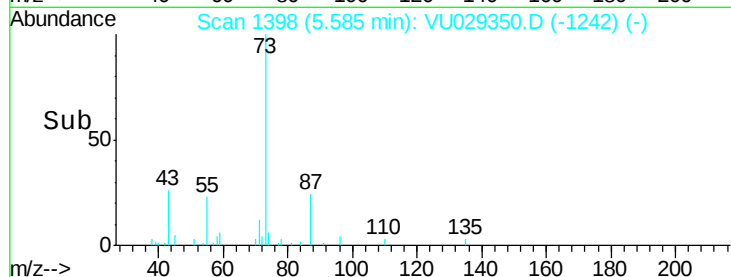
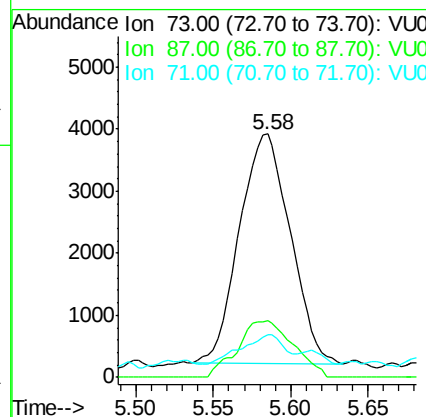
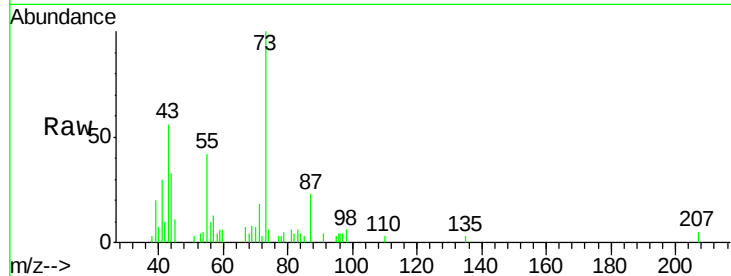
#33
Tert-Butyl methyl ether
Concen: 0.248 ug/l
RT: 5.58 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
73	100		
87	26.8	19.4	29.0
71	7.1	9.0	13.4

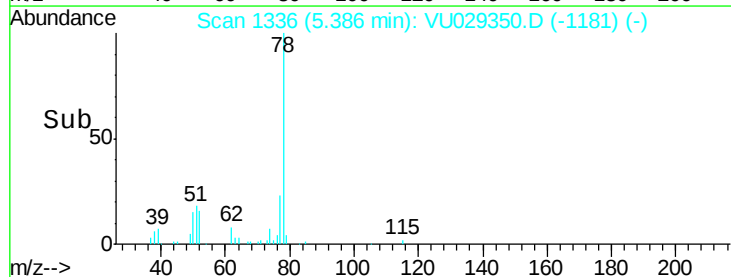
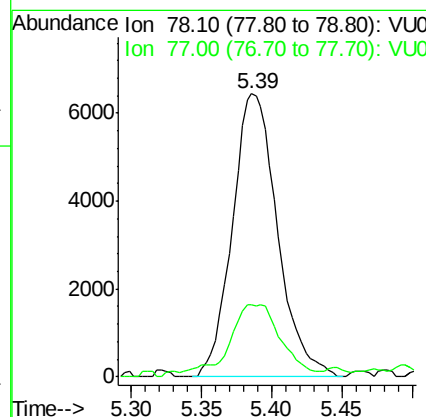
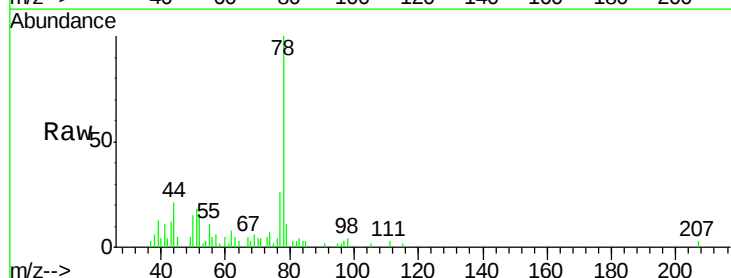
Manual Integrations
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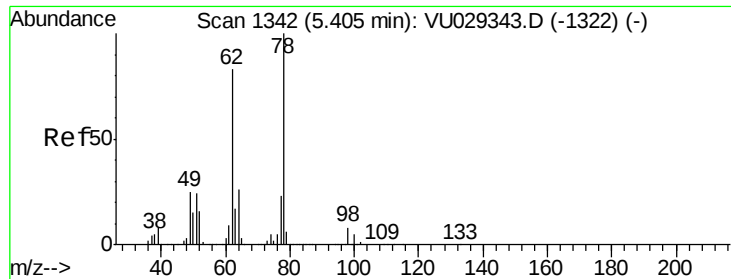
sam
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#35
Benzene
Concen: 0.266 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.8	29.8





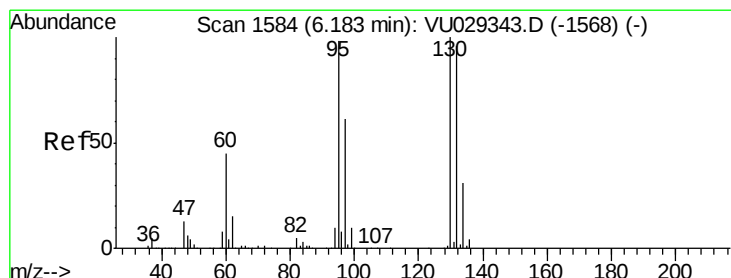
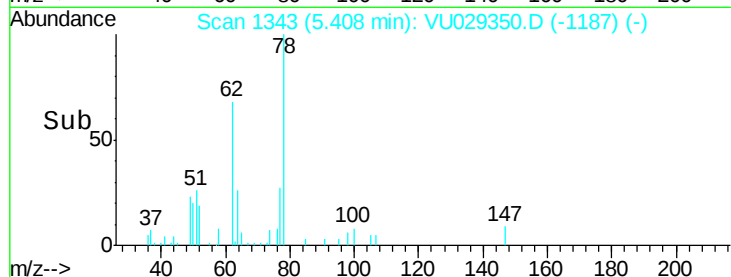
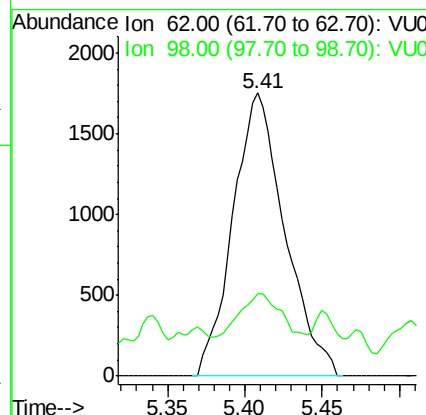
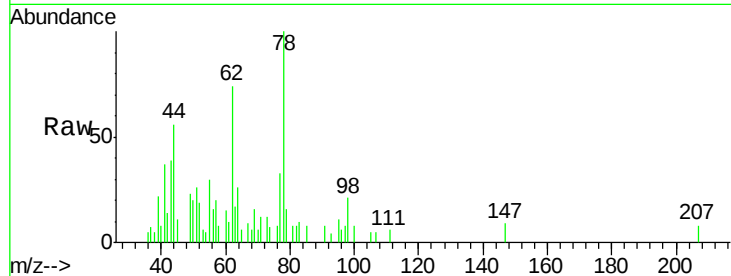
#36
 1,2-Dichloroethane
 Concen: 0.249 ug/l
 RT: 5.41 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 62 Resp: 4082
 Ion Ratio Lower Upper
 62 100
 98 14.5 4.9 7.3#

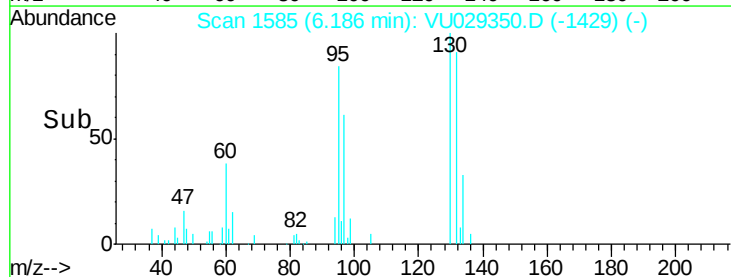
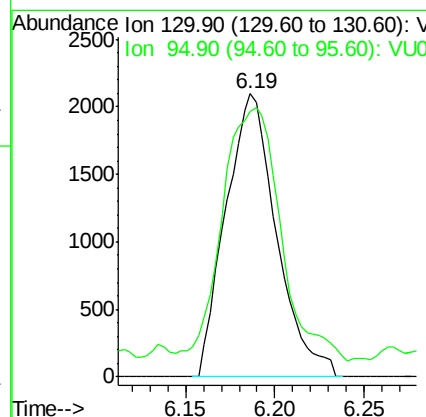
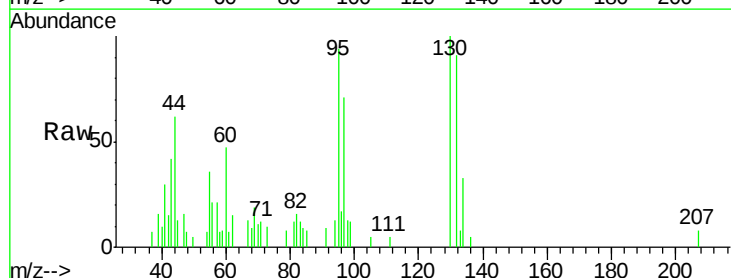
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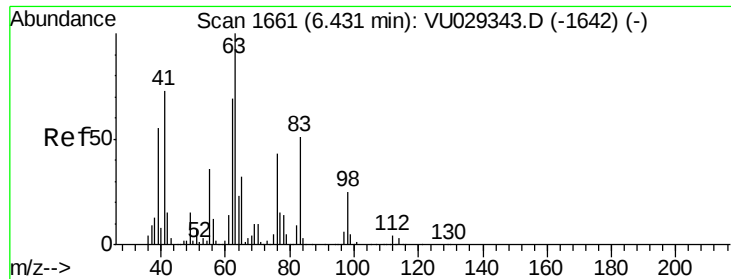
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#37
 Trichloroethene
 Concen: 0.266 ug/l
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion:130 Resp: 4141
 Ion Ratio Lower Upper
 130 100
 95 86.5 85.4 128.0





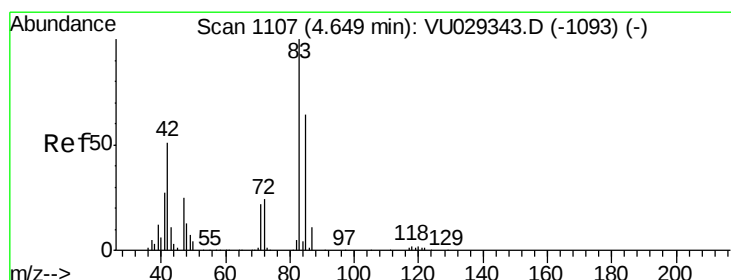
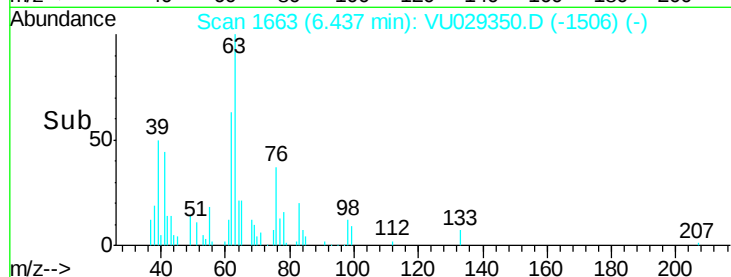
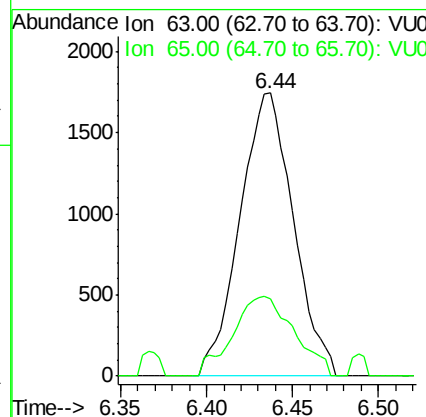
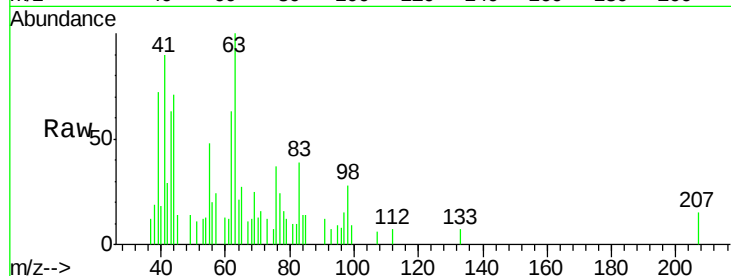
#38
 1,2-Dichloropropane
 Concen: 0.268 ug/l
 RT: 6.44 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.2	25.5	38.3

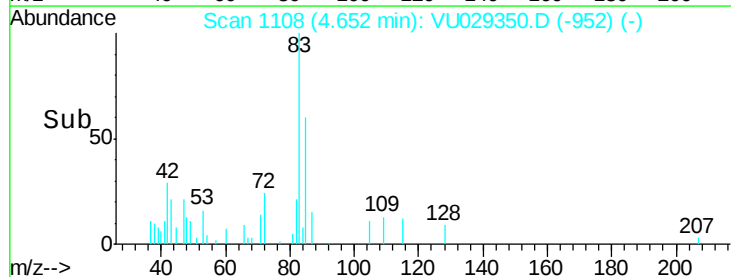
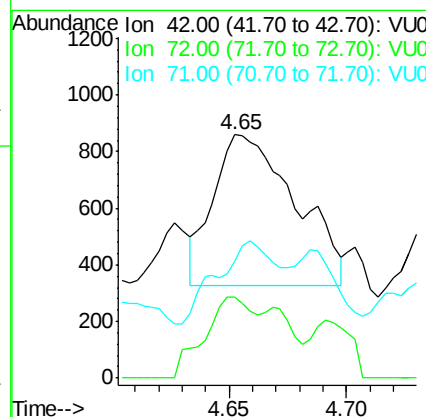
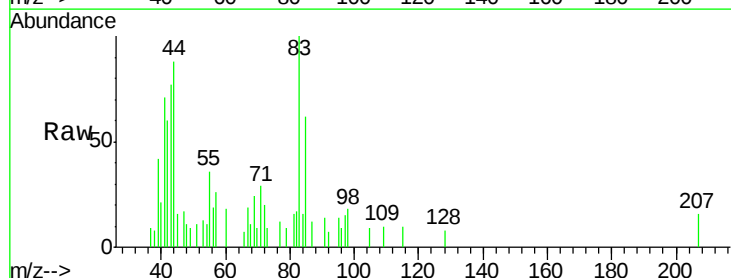
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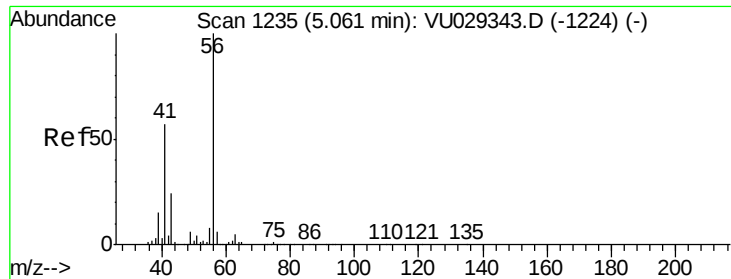
sam
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#41
 Tetrahydrofuran
 Concen: 0.559 ug/l m
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
42	100		
72	32.5	33.1	49.7#
71	38.5	30.2	45.2





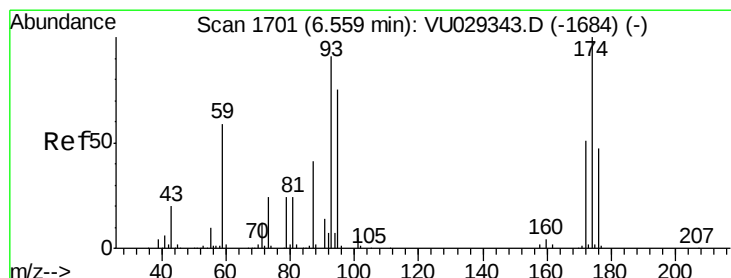
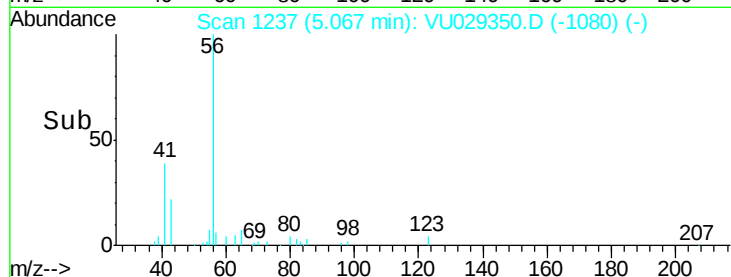
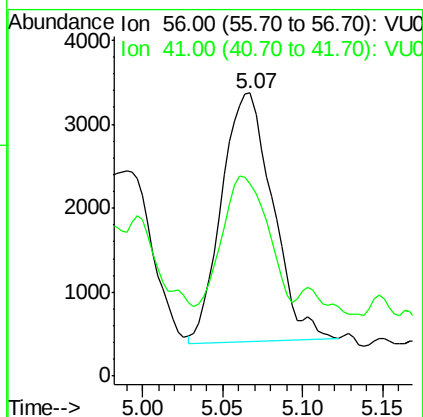
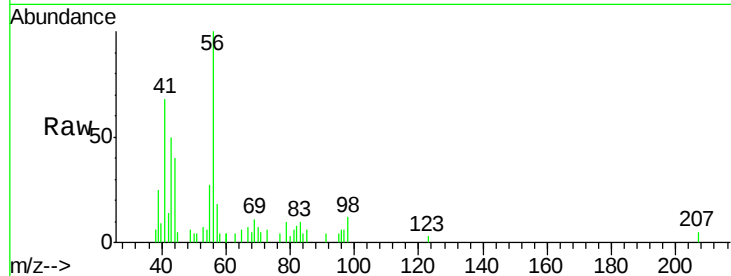
#42
1-Chlorobutane
Concen: 0.247 ug/l
RT: 5.07 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
41	47.1	31.3	93.8

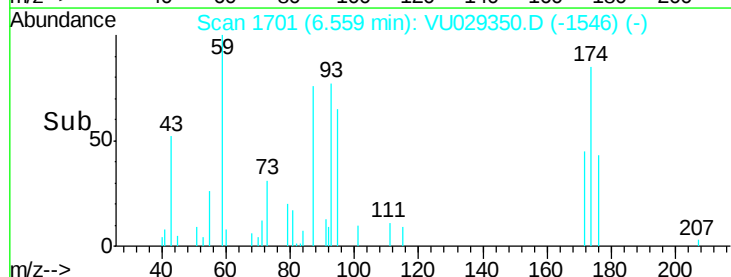
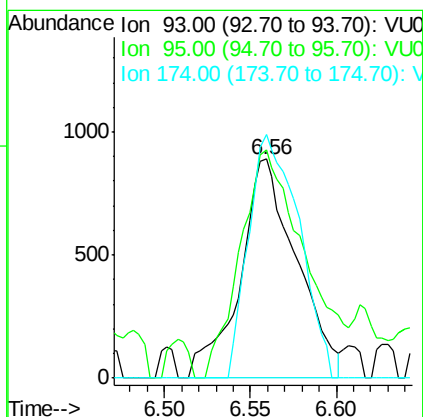
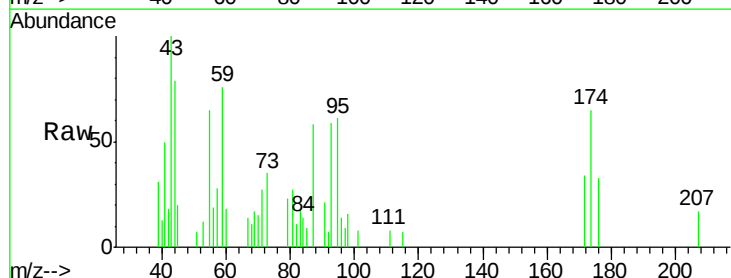
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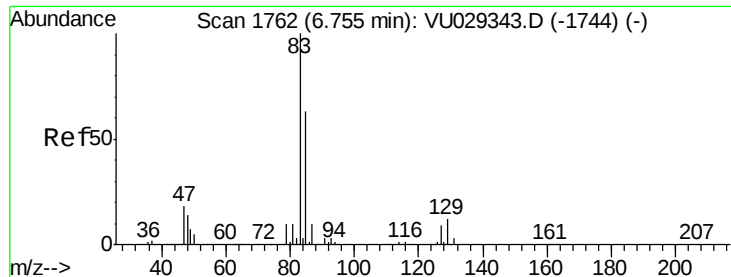
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#43
Dibromomethane
Concen: 0.271 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	120.1	68.2	102.2#
174	98.9	77.6	116.4





#44

Bromodichloromethane

Concen: 0.263 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

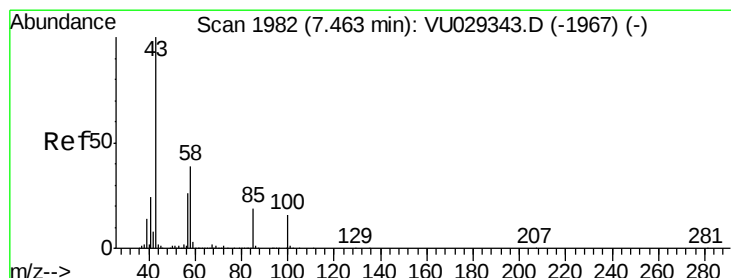
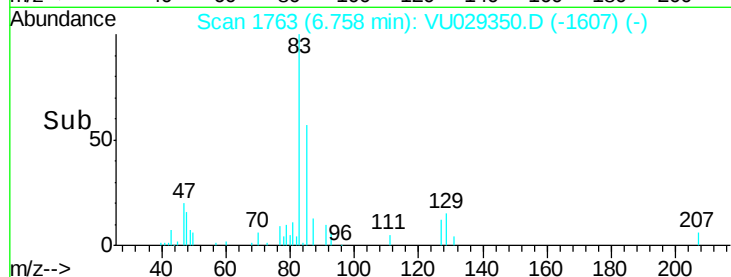
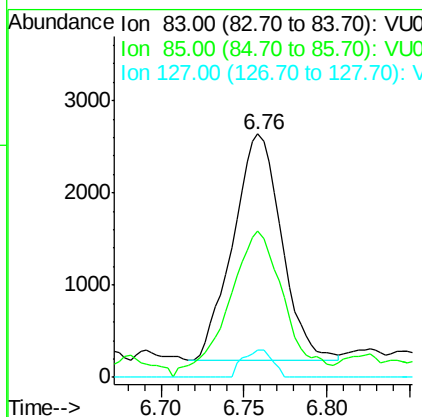
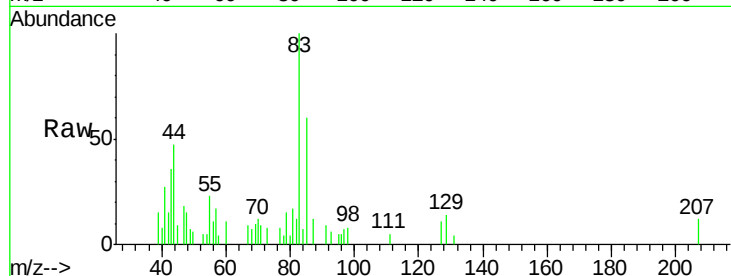
ClientSampleId :

MDL02

Tot Ion:	83	Resp:	5026
Ion	Ratio	Lower	Upper
83	100		
85	59.6	49.2	73.8
127	12.1	7.0	10.6#

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#45

4-Methyl-2-Pentanone

Concen: 1.210 ug/l

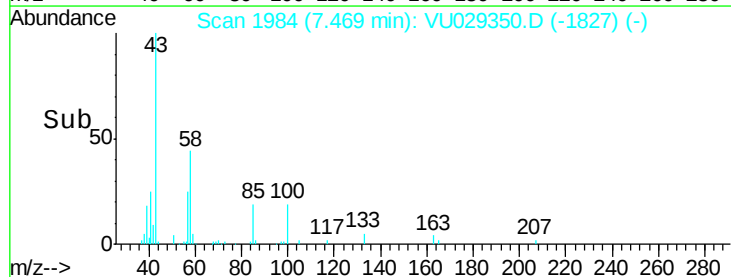
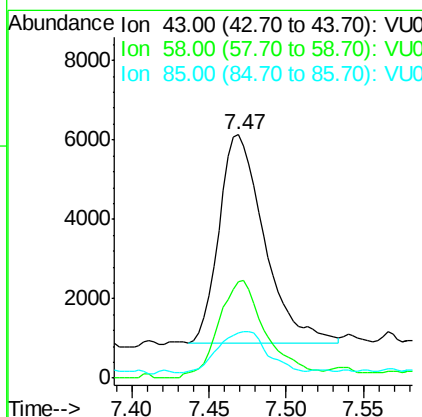
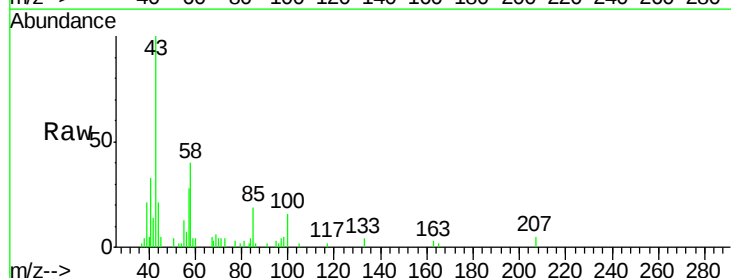
RT: 7.47 min Scan# 1984

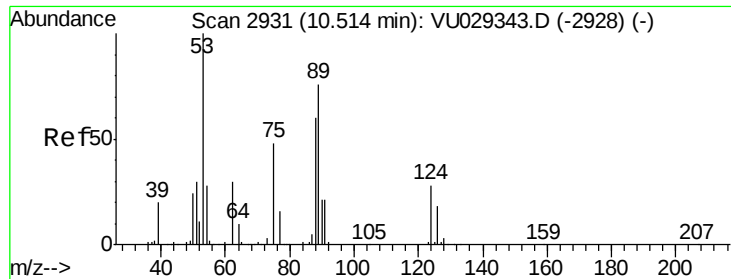
Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	43	Resp:	10654
Ion	Ratio	Lower	Upper
43	100		
58	49.8	17.6	52.8
85	21.9	12.3	18.5#





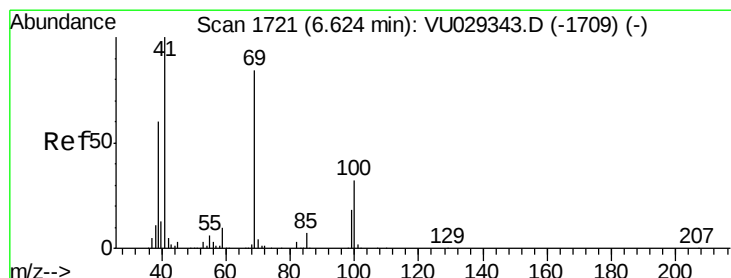
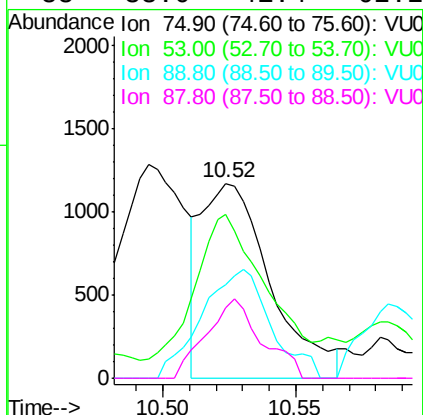
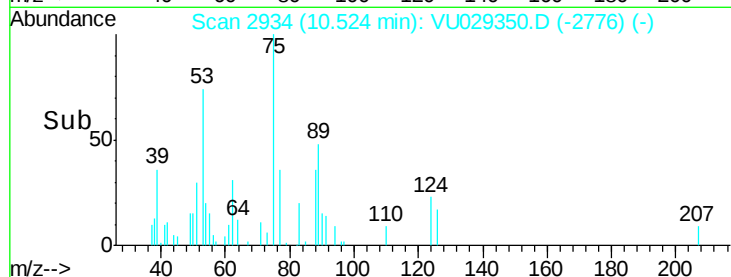
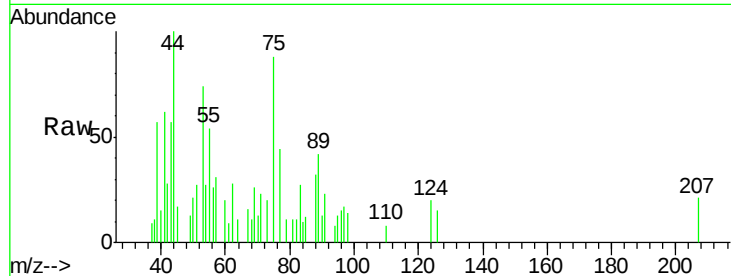
#46
t-1,4-Dichloro-2-butene
Concen: 0.488 ug/l m
RT: 10.52 min Scan# 2934
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.6	78.2	117.4#
89	56.1	44.2	66.4
88	33.0	41.4	62.2#

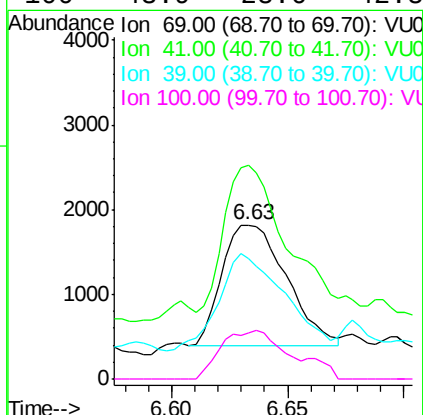
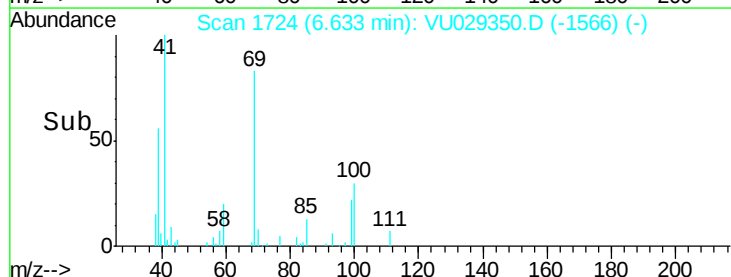
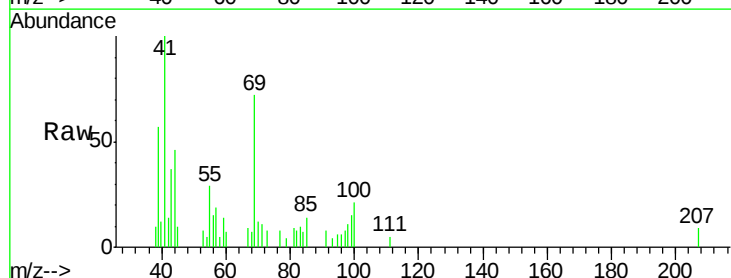
Manual Integrations
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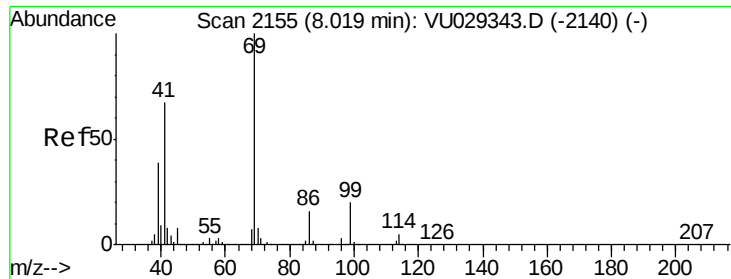
sam
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#47
Methyl methacrylate
Concen: 0.417 ug/l
RT: 6.63 min Scan# 1724
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	122.2	0.0	296.2
39	83.2	71.2	106.8
100	43.9	28.6	42.8#





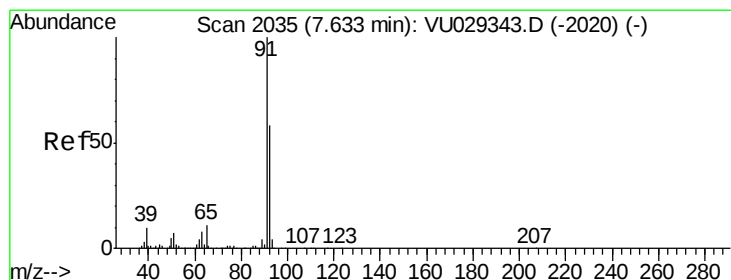
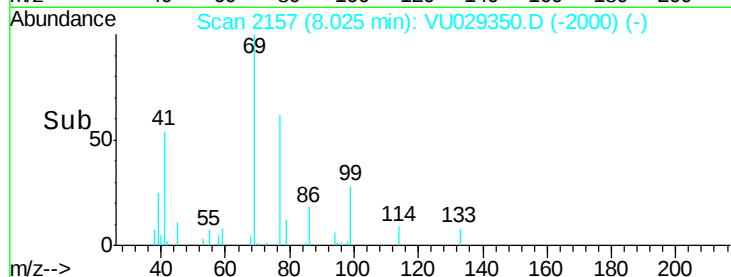
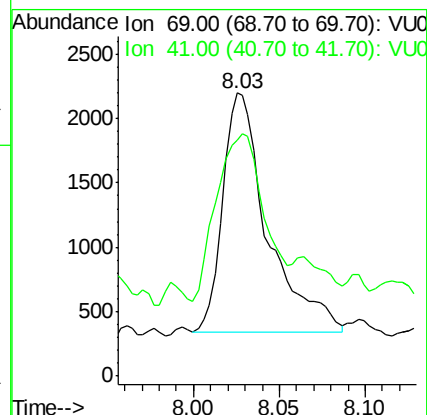
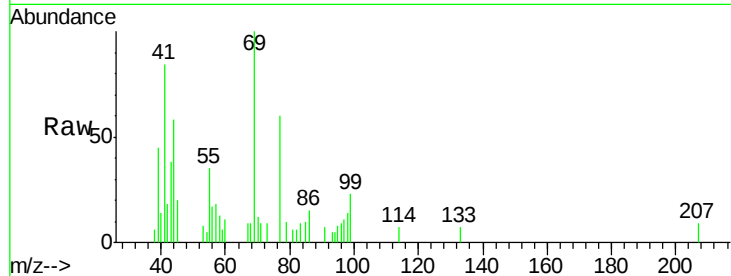
#48
Ethyl methacrylate
Concen: 0.239 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 69 Resp: 3386
Ion Ratio Lower Upper
69 100
41 74.0 39.9 119.7

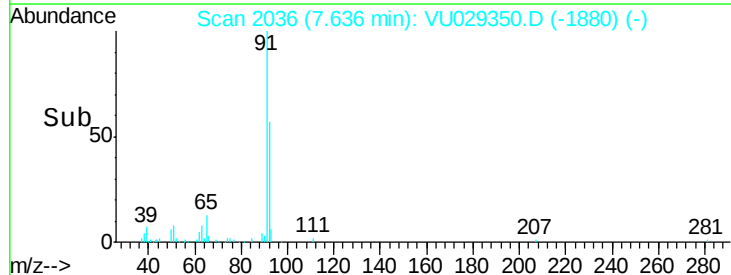
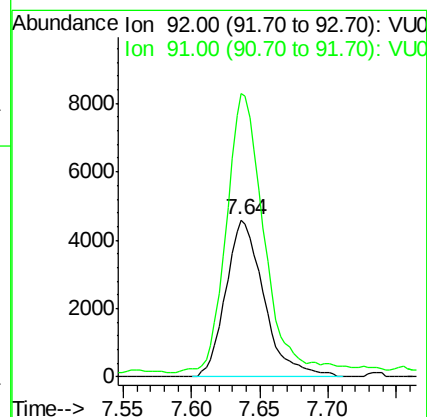
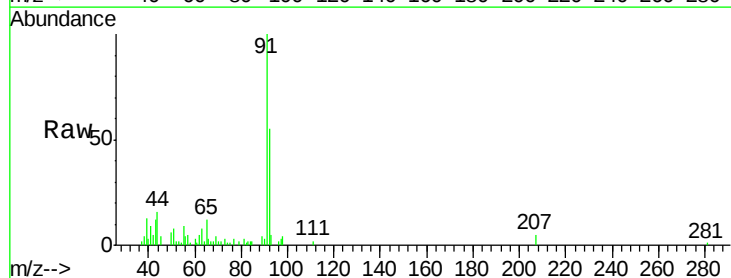
Manual Integrations
APPROVED

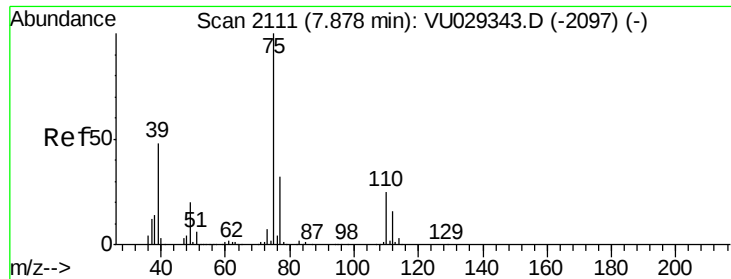
sam
2/8/2019 2:26:43 PM



#49
Toluene
Concen: 0.257 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion: 92 Resp: 8925
Ion Ratio Lower Upper
92 100
91 174.6 140.7 211.1





#50

t-1,3-Dichloropropene

Concen: 0.241 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 75 Resp: 4530

Ion Ratio Lower Upper

75 100

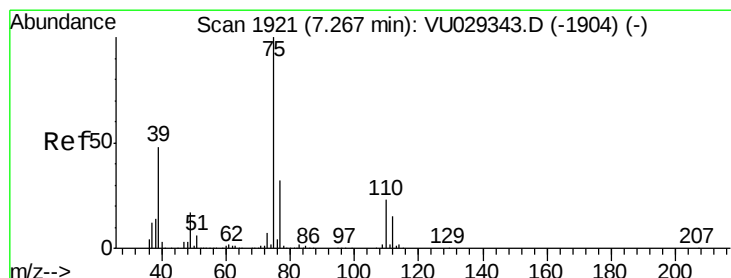
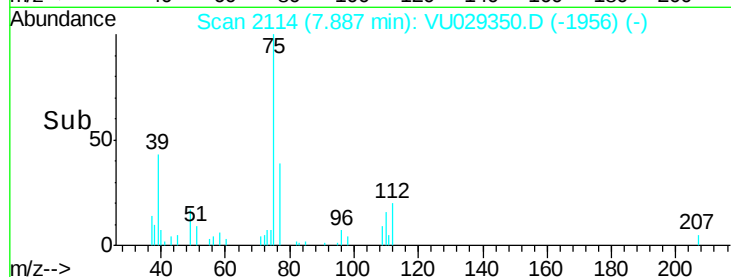
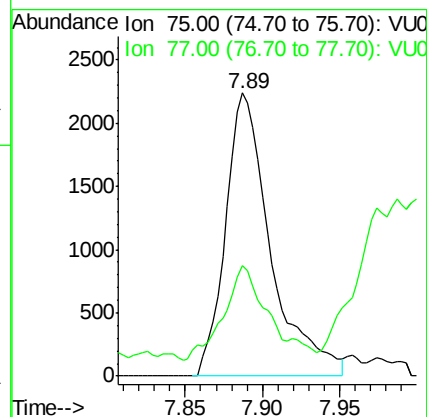
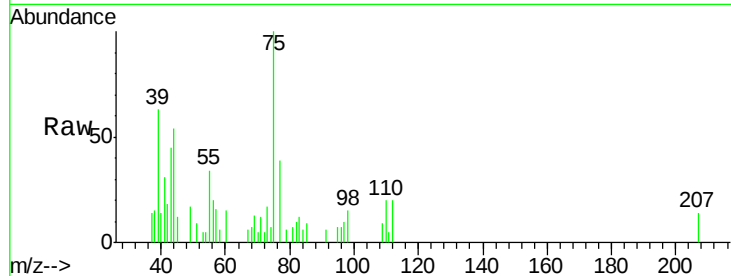
77 29.5 23.6 35.4

Manual Integrations

APPROVED

sam

2/8/2019 2:26:43 PM



#51

cis-1,3-Dichloropropene

Concen: 0.251 ug/l

RT: 7.27 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

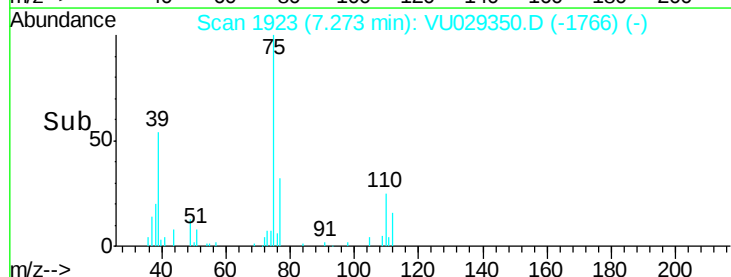
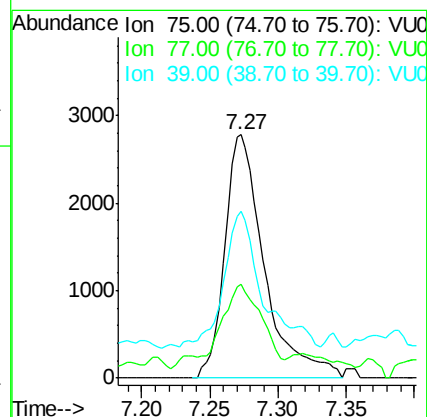
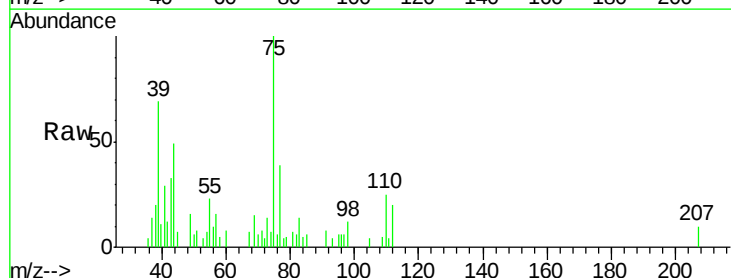
Tgt Ion: 75 Resp: 5600

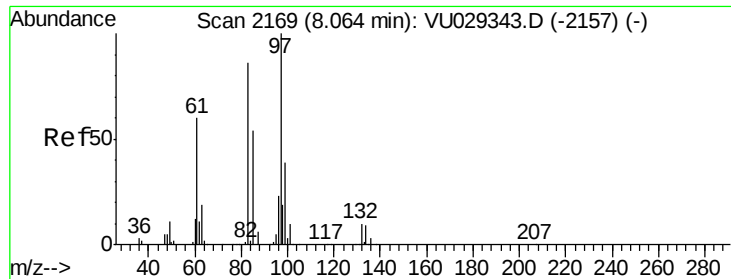
Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

39 55.7 47.2 70.8





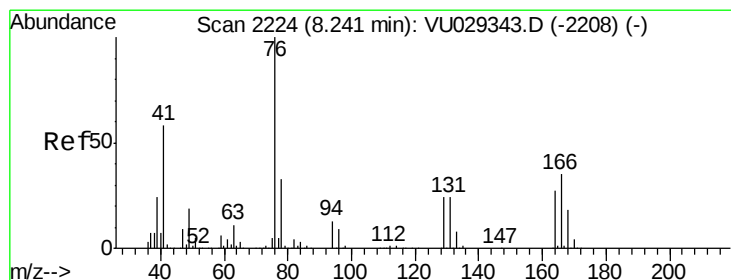
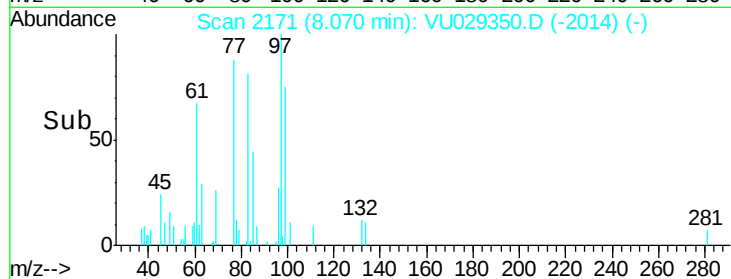
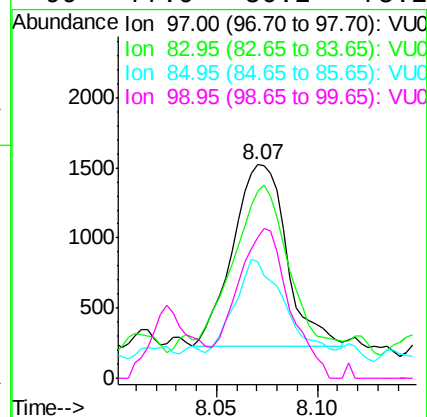
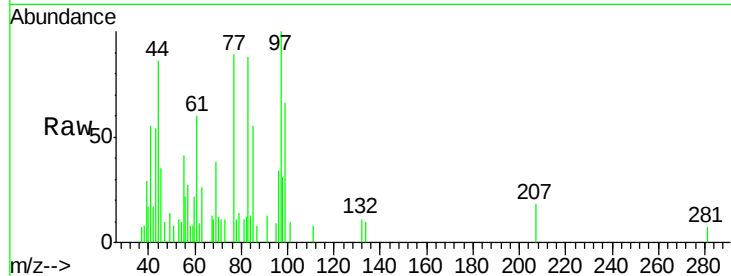
#52
 1,1,2-Trichloroethane
 Concen: 0.243 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.9	104.9
85	47.3	45.8	68.6
99	77.9	50.2	75.2#

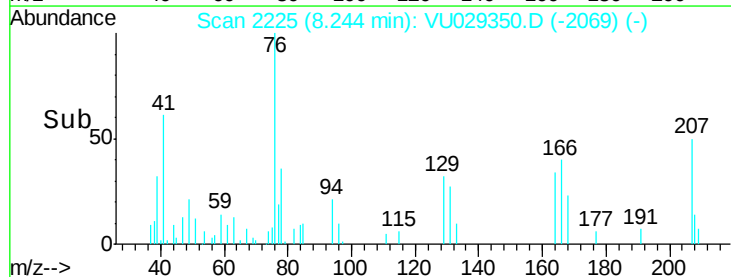
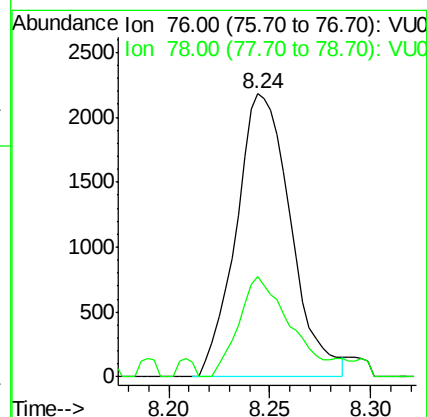
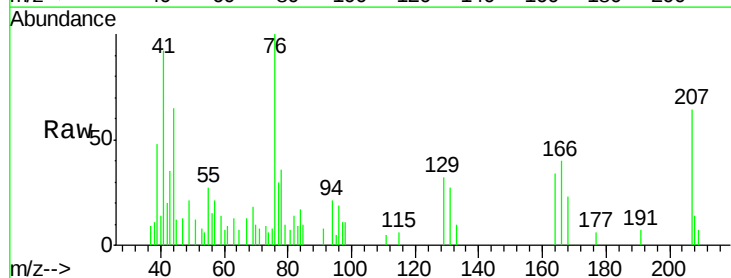
Manual Integrations
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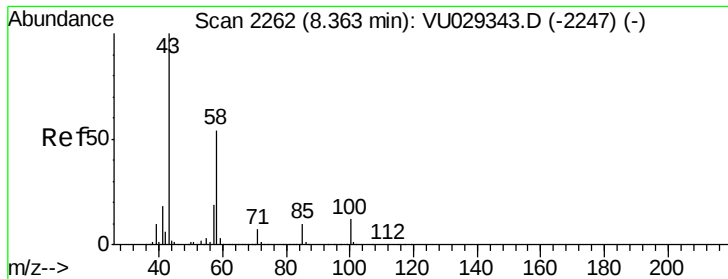
sam
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#53
 1,3-Dichloropropane
 Concen: 0.236 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.3	39.5





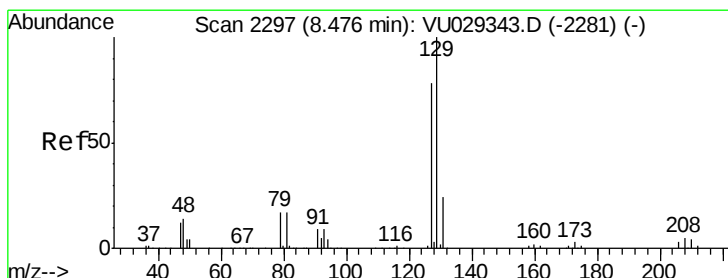
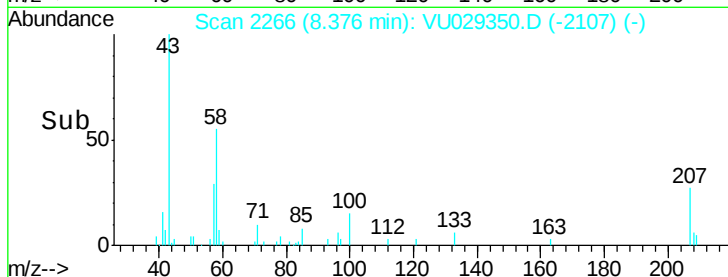
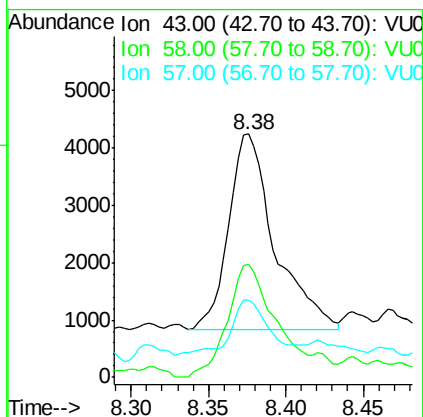
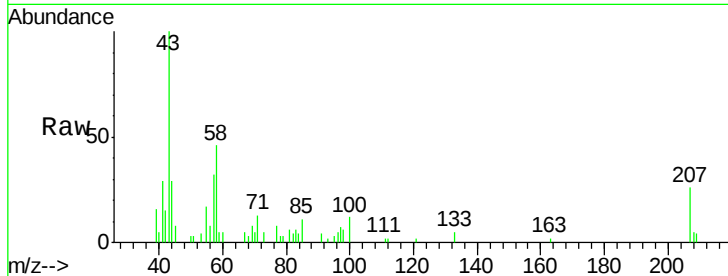
#54
2-Hexanone
Concen: 1.152 ug/l
RT: 8.38 min Scan# 2266
Delta R.T. 0.01 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.1	26.0	66.0
57	16.8	0.0	37.7

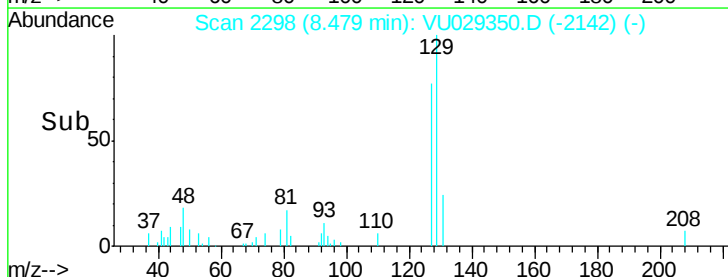
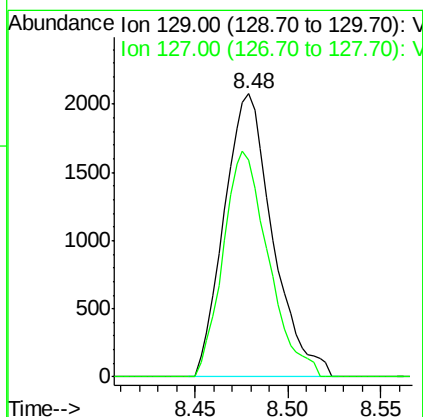
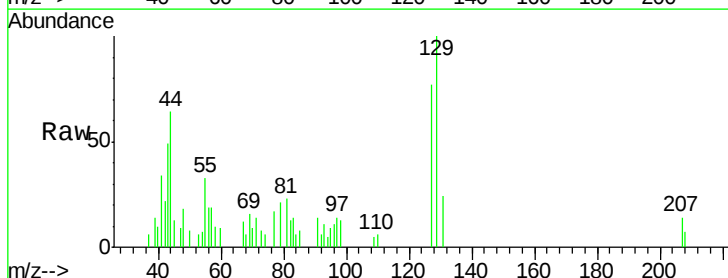
Manual Integrations
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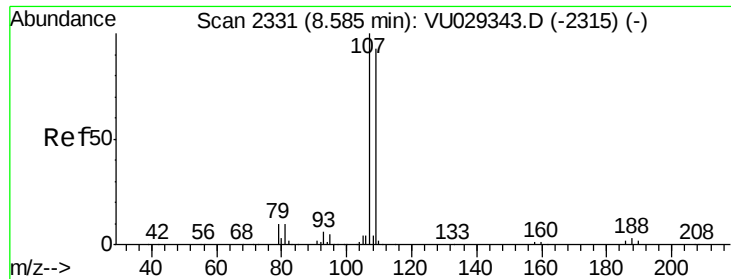
sam
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#55
Dibromochloromethane
Concen: 0.267 ug/l
RT: 8.48 min Scan# 2298
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.5	60.5	90.7





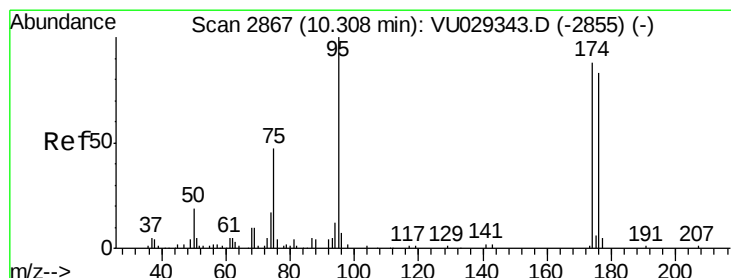
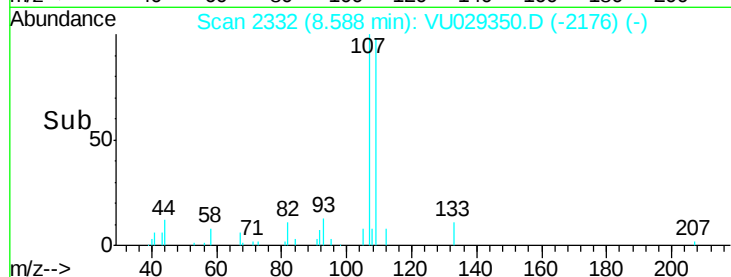
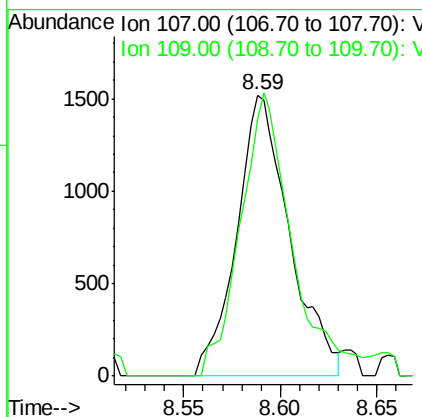
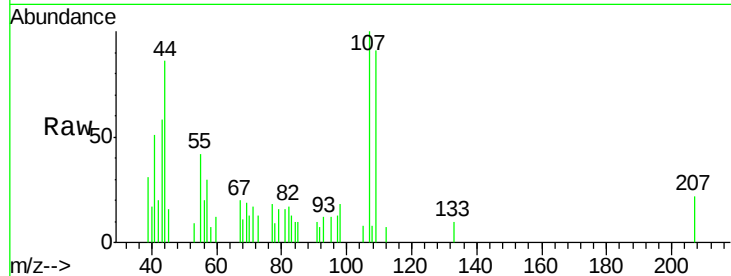
#56
1,2-Dibromoethane
Concen: 0.283 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.1	0.0	189.6

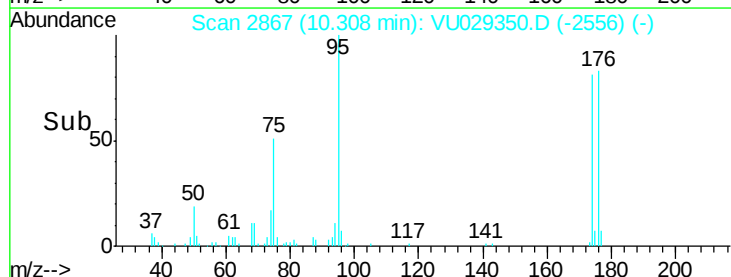
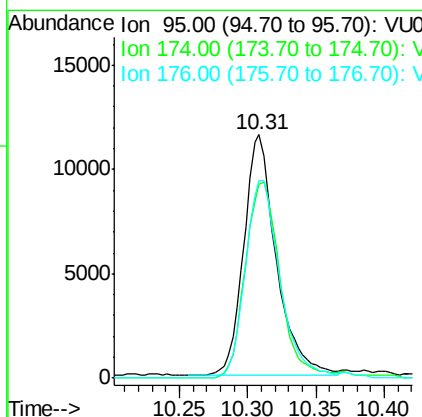
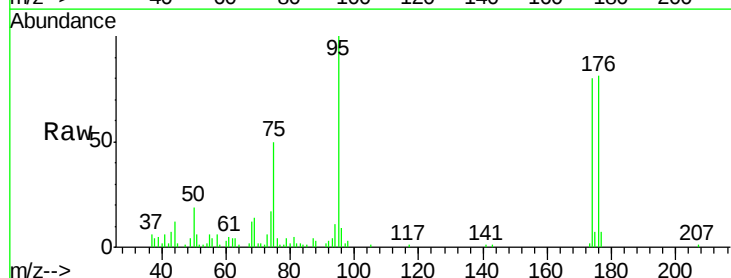
Manual Integrations
APPROVED

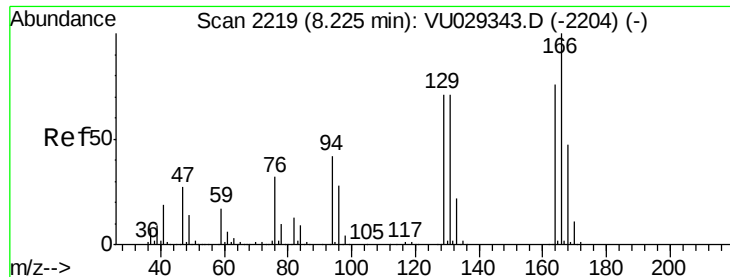
sam
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#57
4-Bromofluorobenzene
Concen: 0.283 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	64.2	96.2
176	87.2	62.3	93.5





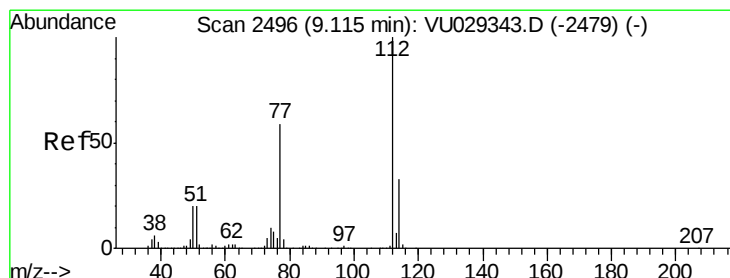
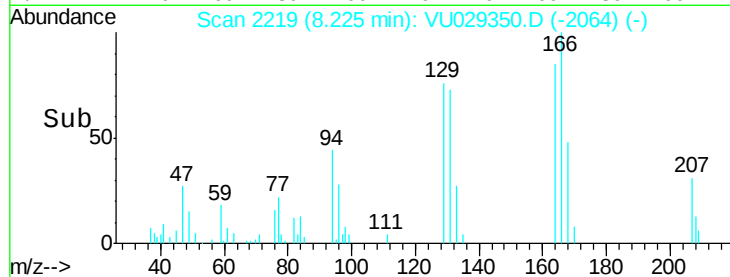
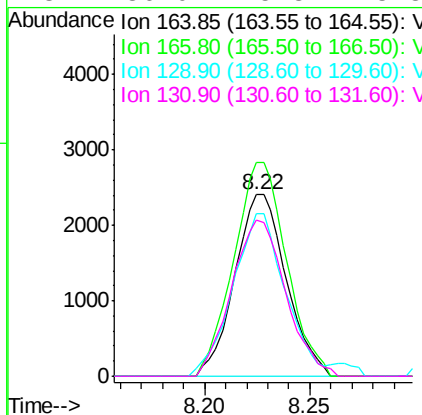
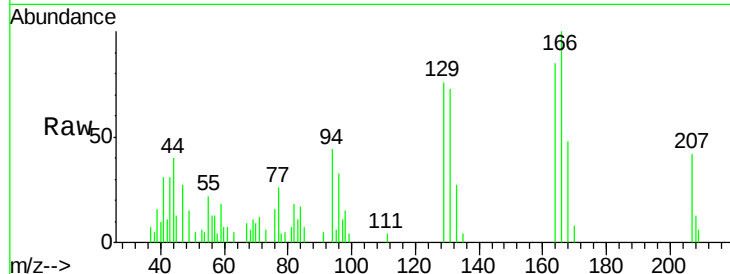
#58
 Tetrachloroethene
 Concen: 0.281 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	164	Resp:	4068
Ion	Ratio	Lower	Upper
164	100		
166	117.5	106.6	159.8
129	89.4	79.9	119.9
131	86.0	75.8	113.8

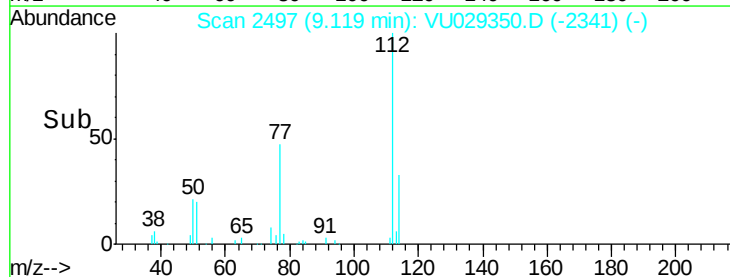
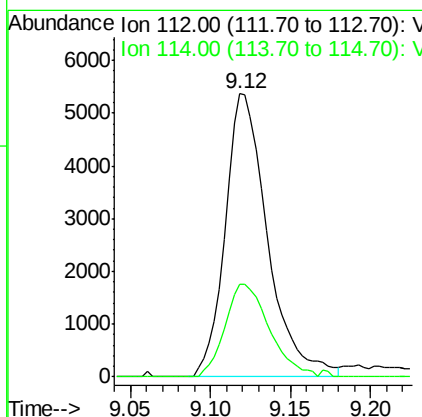
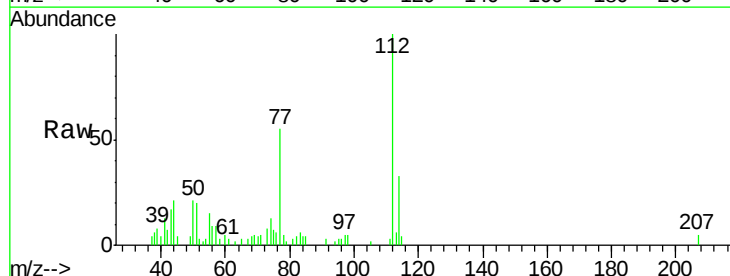
Manual Integrations
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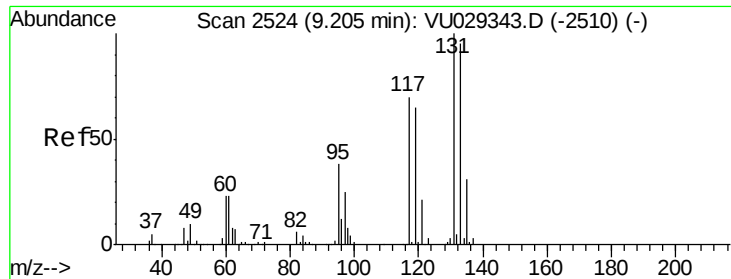
sam
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#59
 Chlorobenzene
 Concen: 0.249 ug/l
 RT: 9.12 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion:	112	Resp:	9728
Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.4





#60

1,1,1,2-Tetrachloroethane

Concen: 0.283 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

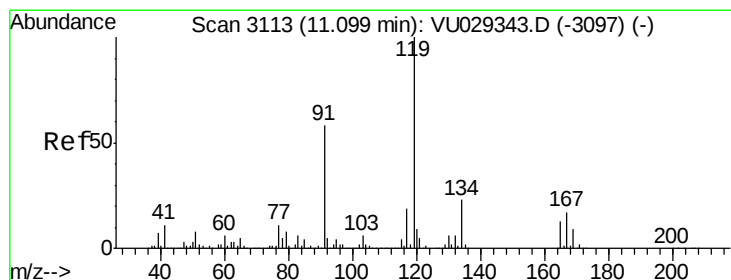
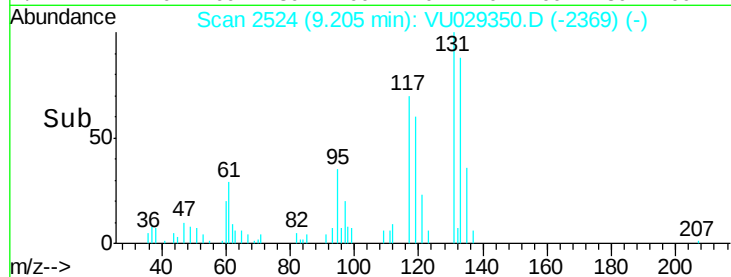
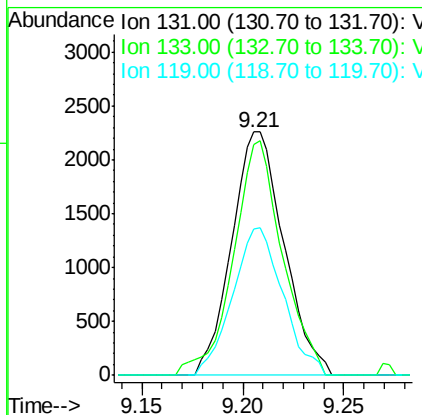
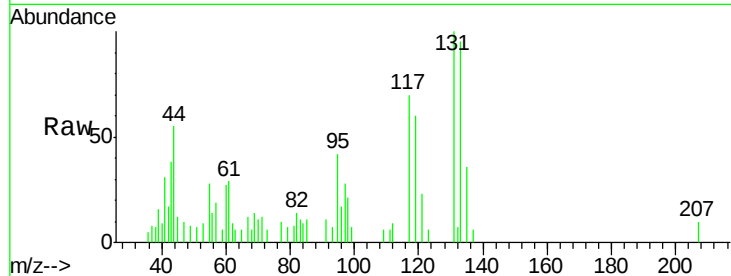
ClientSampleId :

MDL02

Tot Ion:	131	Resp:	4081
Ion Ratio	Lower	Upper	
131	100		
133	90.5	77.3	115.9
119	58.5	48.9	73.3

Manual Integrations
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sam
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#61

Pentachloroethane

Concen: 0.263 ug/l

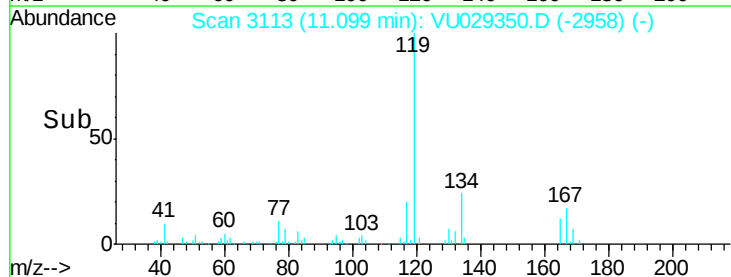
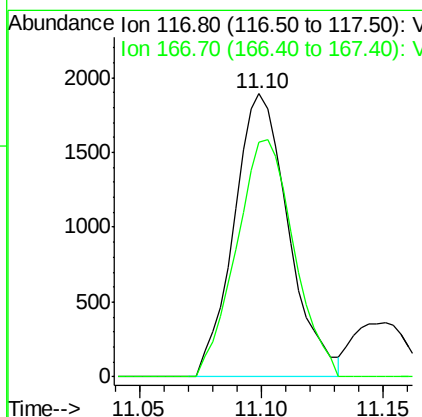
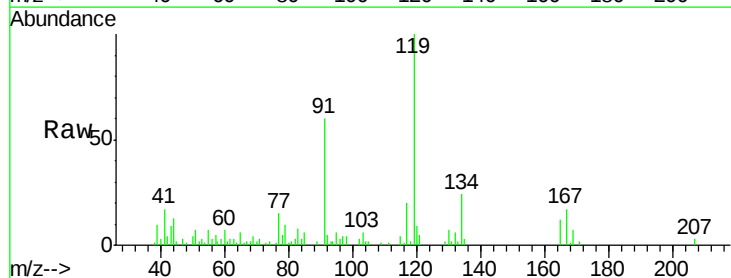
RT: 11.10 min Scan# 3113

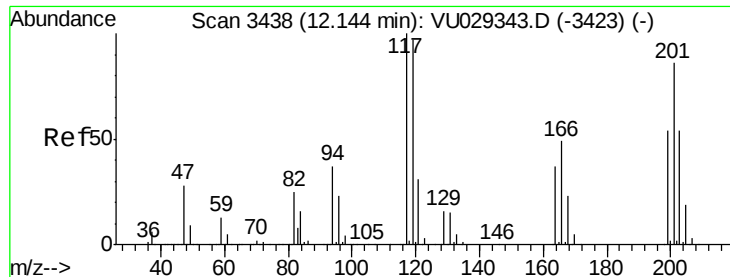
Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	117	Resp:	2938
Ion Ratio	Lower	Upper	
117	100		
167	88.2	65.9	98.9





#62

Hexachloroethane

Concen: 0.251 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:117 Resp: 3066

Ion Ratio Lower Upper

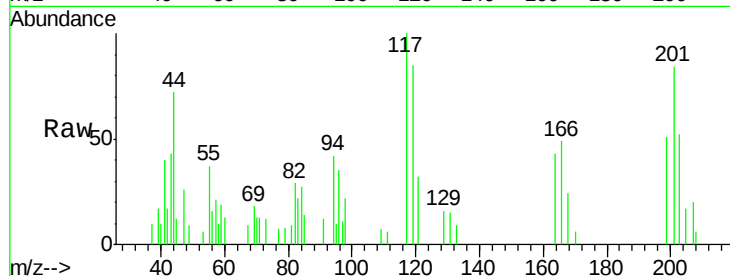
117 100

201 81.0 68.2 102.2

Manual Integrations
APPROVED

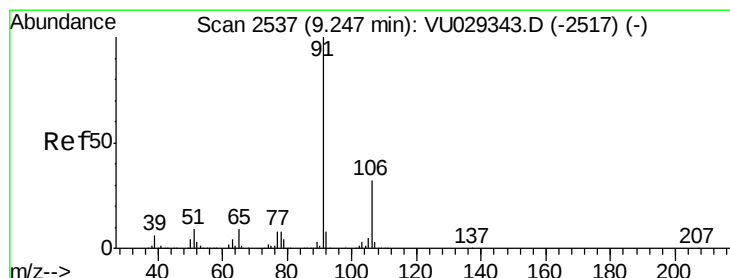
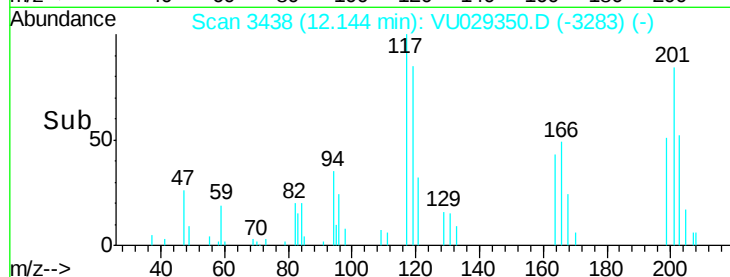
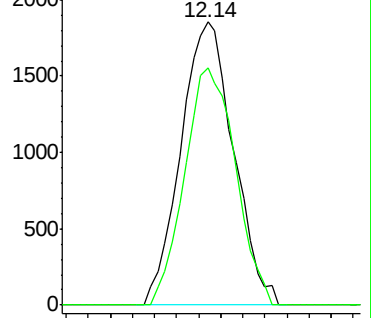
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.242 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029350.D

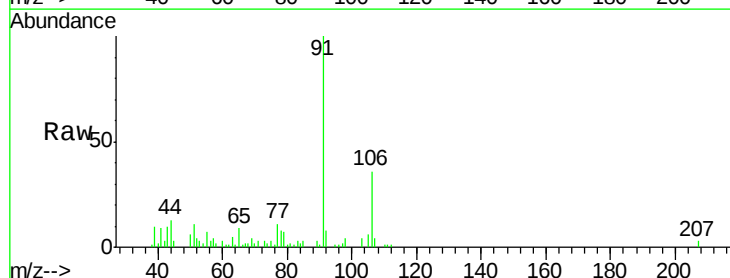
Acq: 05 Feb 2019 16:55

Tgt Ion: 91 Resp: 16429

Ion Ratio Lower Upper

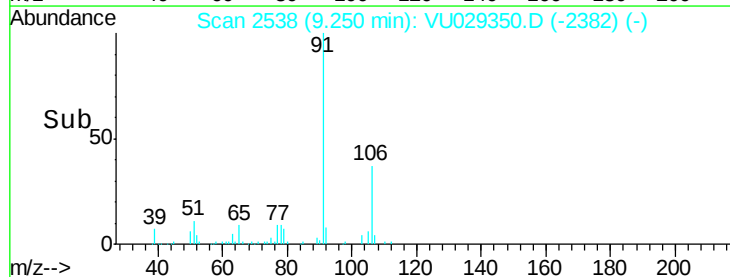
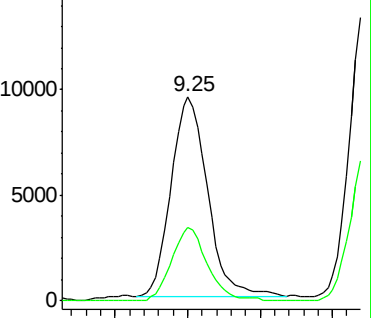
91 100

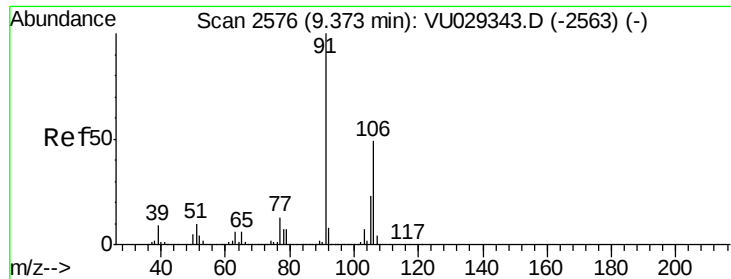
106 36.9 23.8 35.6#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.516 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:106 Resp: 13601

Ion Ratio Lower Upper

106 100

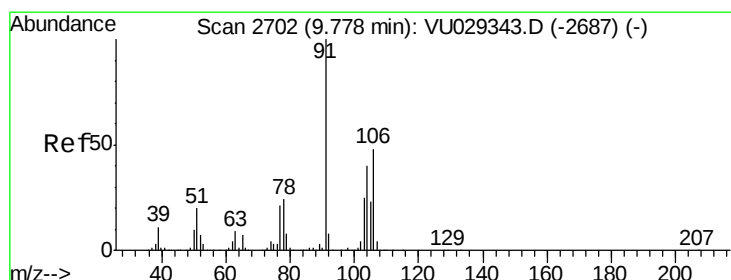
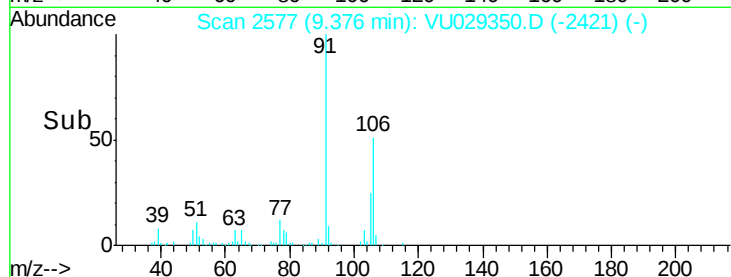
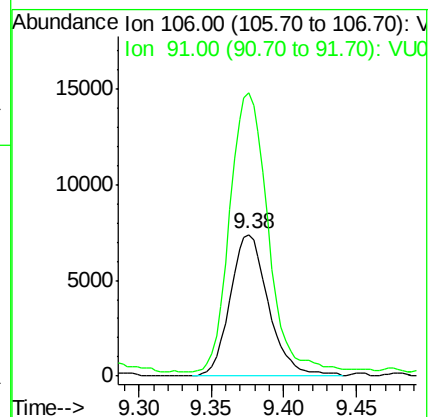
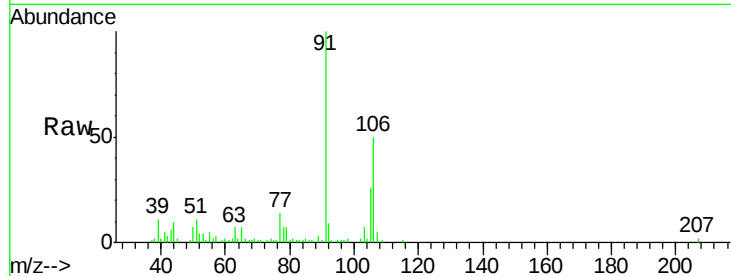
91 196.1 174.6 261.8

Manual Integrations

APPROVED

sam

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#65

o-Xylene

Concen: 0.261 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029350.D

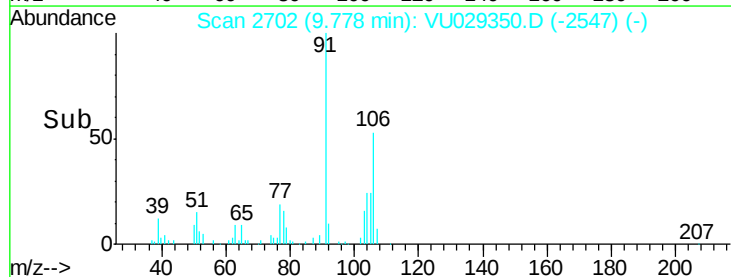
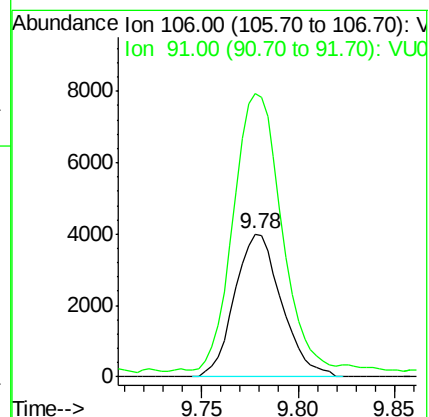
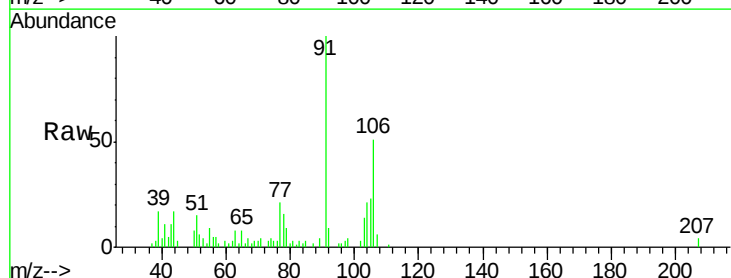
Acq: 05 Feb 2019 16:55

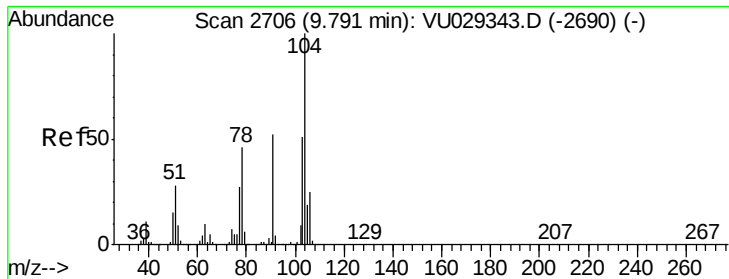
Tgt Ion:106 Resp: 6748

Ion Ratio Lower Upper

106 100

91 197.3 114.5 343.4





#66

Stvrene

Concen: 0.235 ug/l

RT: 9.79 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

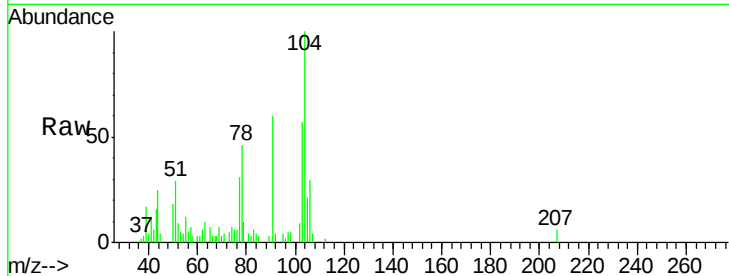
ClientSampled :

MDL02

Tot Ion:	104	Resp:	10131
Ion Ratio	Lower	Upper	
104	100		
78	58.3	46.5	69.7
103	58.7	44.7	67.1

Manual Integrations
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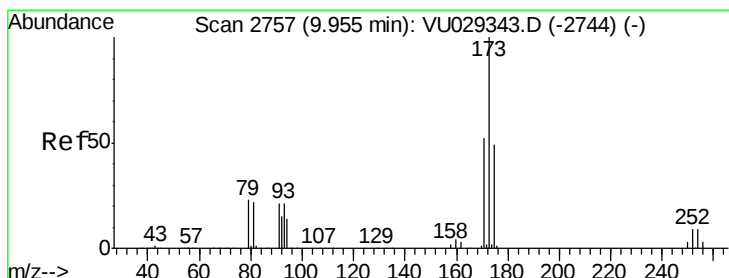
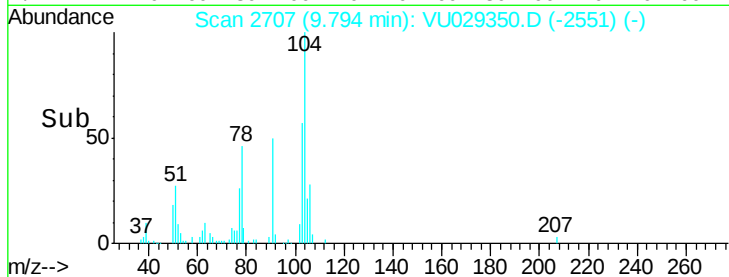
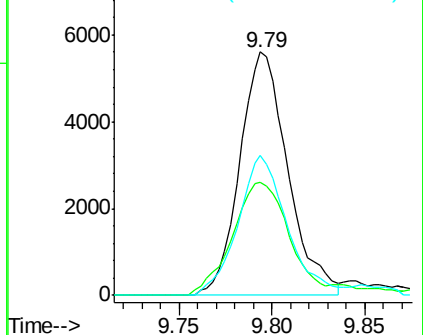
sam
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#67

Bromoform

Concen: 0.255 ug/l

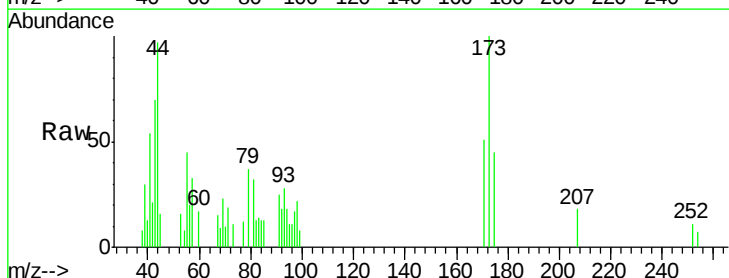
RT: 9.96 min Scan# 2759

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

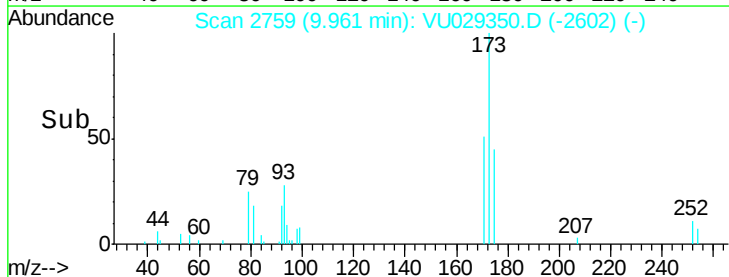
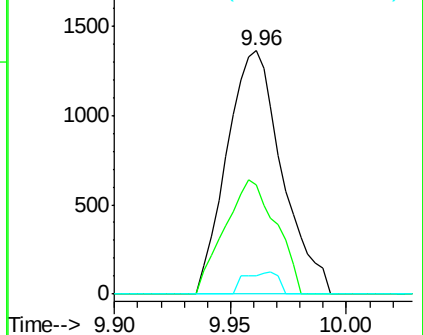
Tgt Ion:	173	Resp:	2246
Ion Ratio	Lower	Upper	
173	100		
175	43.7	38.9	58.3
254	5.6	7.4	11.2#

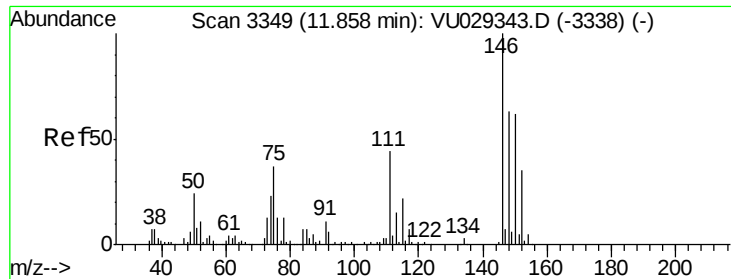


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 0.255 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:152 Resp: 19984

Ion Ratio Lower Upper

152 100

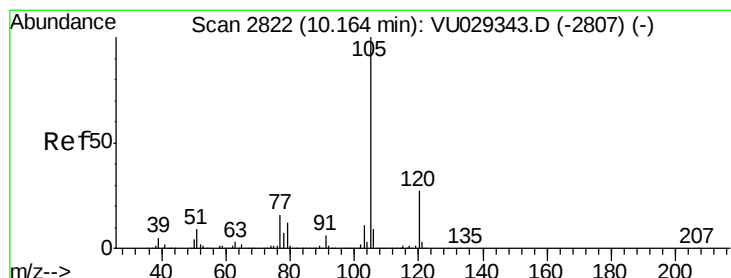
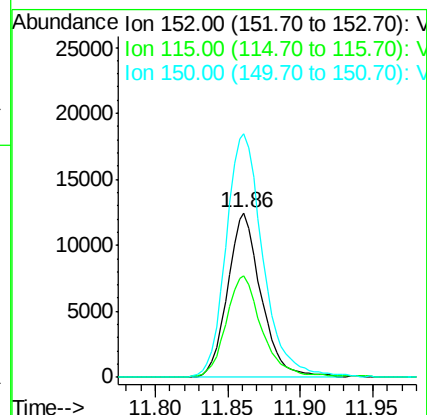
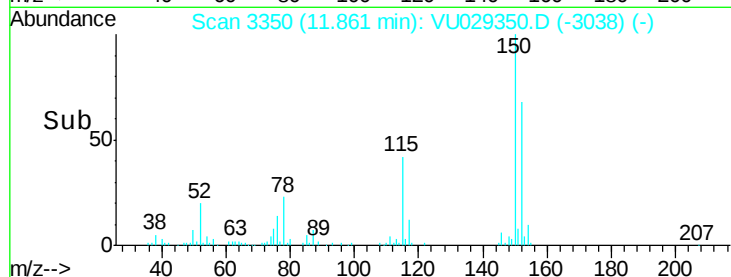
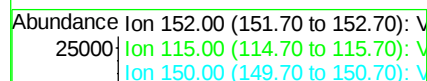
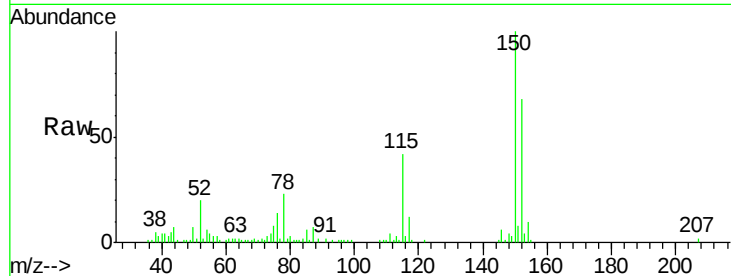
115 66.6 0.0 133.4

150 164.0 0.0 670.8

Manual Integrations
APPROVED

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#69

Isopropylbenzene

Concen: 0.253 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029350.D

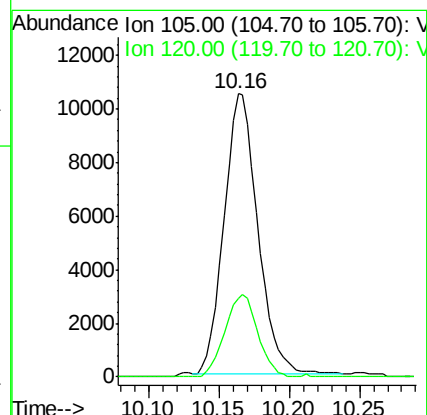
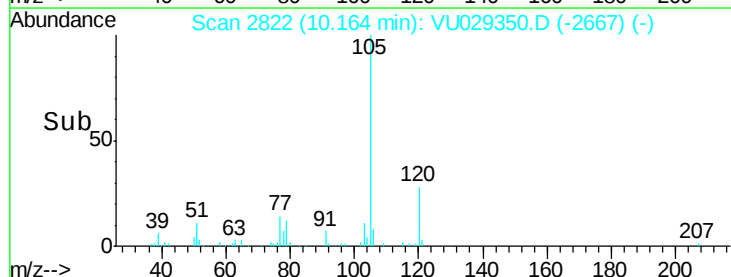
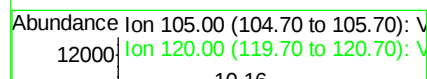
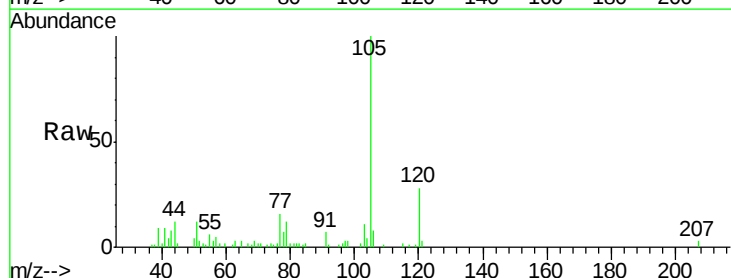
Acq: 05 Feb 2019 16:55

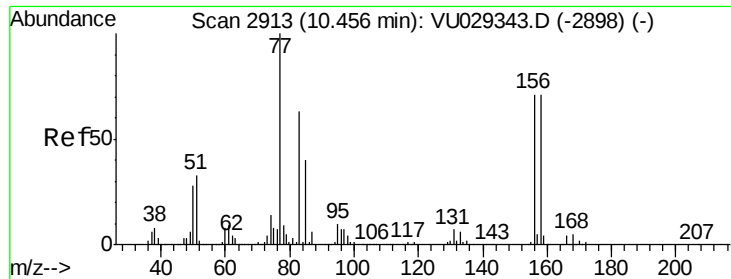
Tgt Ion:105 Resp: 17502

Ion Ratio Lower Upper

105 100

120 28.3 12.6 37.6





#70

1,1,2,2-Tetrachloroethane

Concen: 0.251 ug/l

RT: 10.46 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

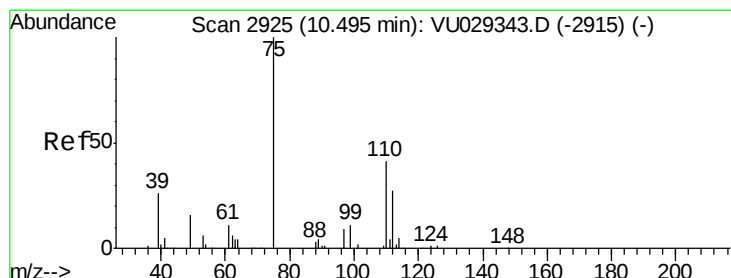
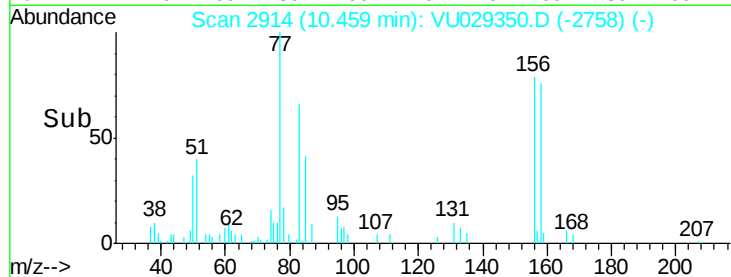
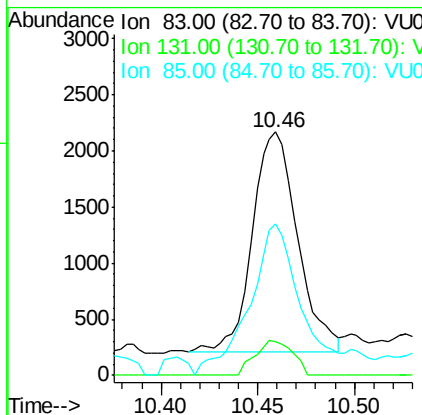
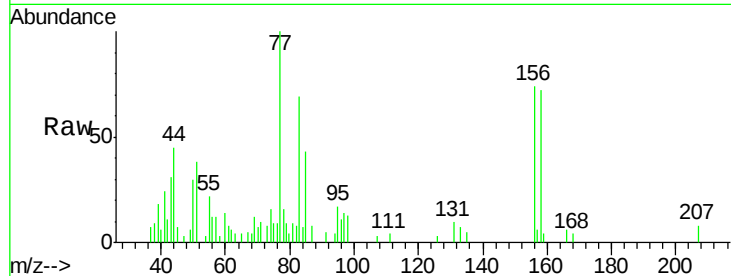
ClientSampled :

MDL02

Tot Ion	83	Resp	3204
Ion	Ratio	Lower	Upper
83	100		
131	13.1	8.1	12.1#
85	77.9	50.3	75.5#

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.267 ug/l m

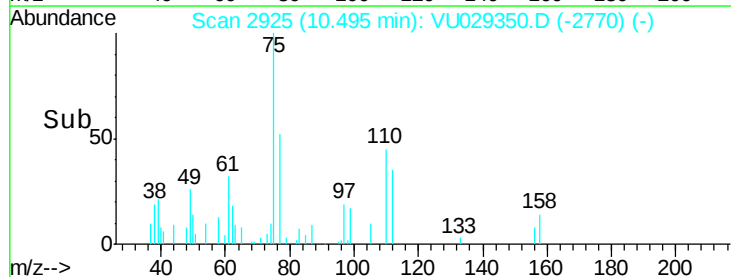
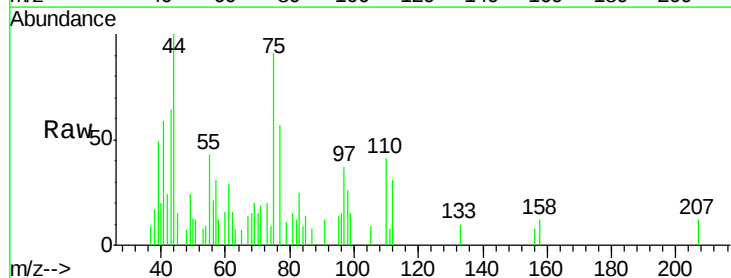
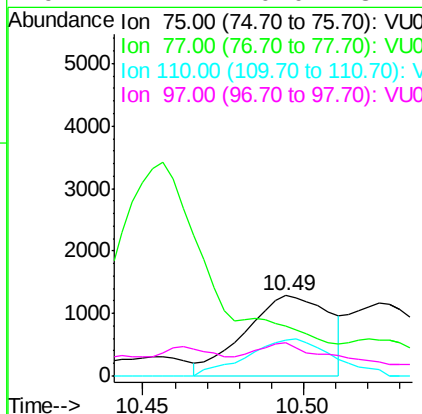
RT: 10.49 min Scan# 2925

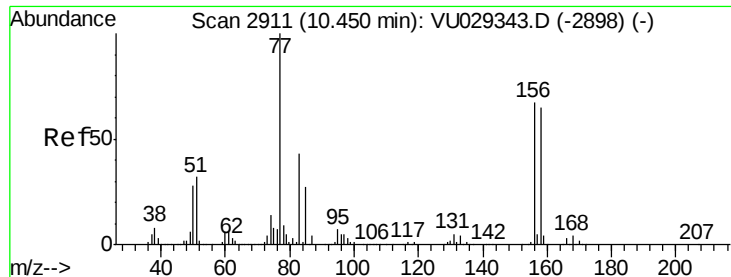
Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion	75	Resp	2334
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	47.0	0.0	63.6
97	22.2	0.0	31.4





#72

Bromobenzene

Concen: 0.267 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

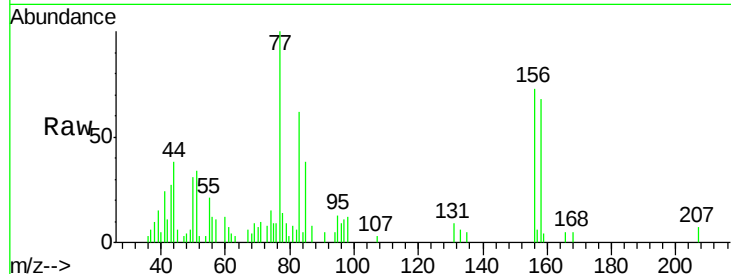
ClientSampled :

MDL02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		4477		
77	133.8	0.0	343.8		
158	97.2	0.0	195.0		

Manual Integrations
APPROVED

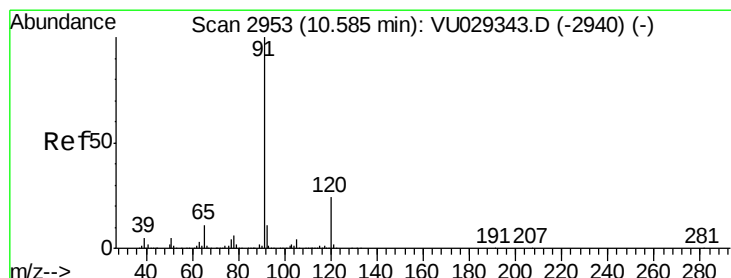
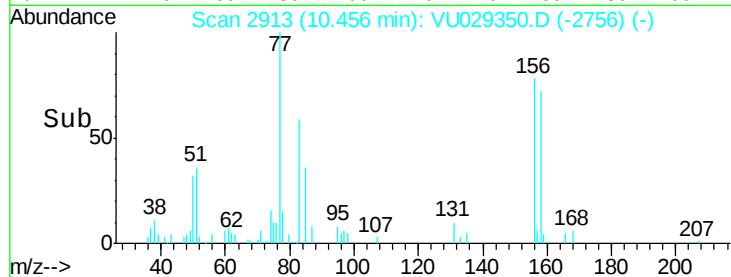
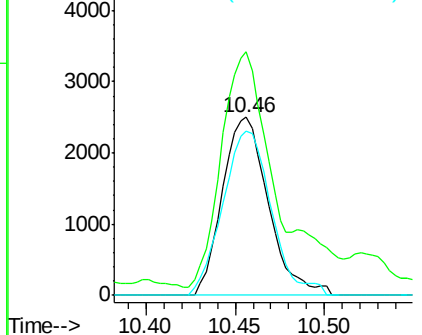
sam
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.232 ug/l

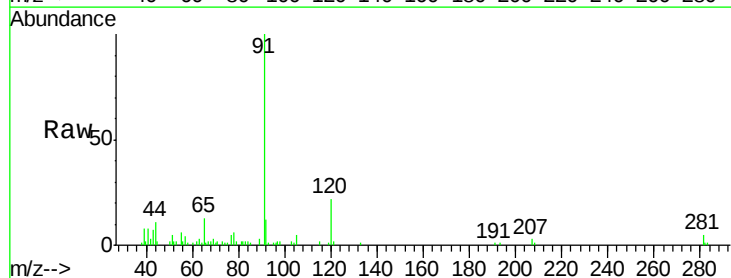
RT: 10.59 min Scan# 2955

Delta R.T. 0.01 min

Lab File: VU029350.D

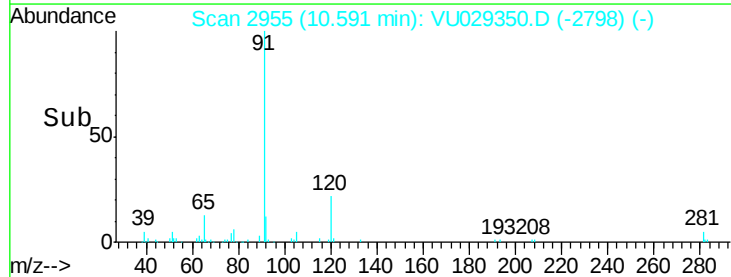
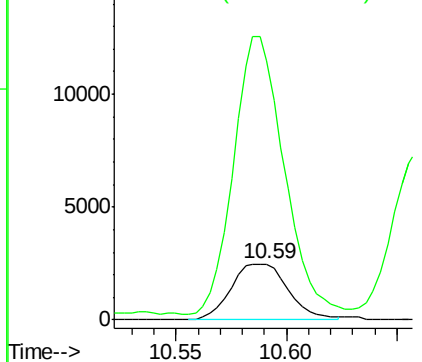
Acq: 05 Feb 2019 16:55

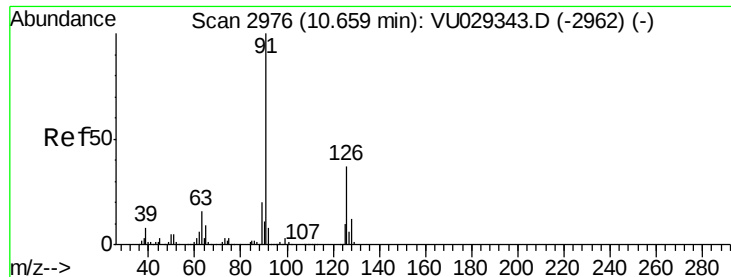
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
120	100		4463		
91	438.4	370.0	555.0		



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.267 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion:126 Resp: 4378

Ion Ratio Lower Upper

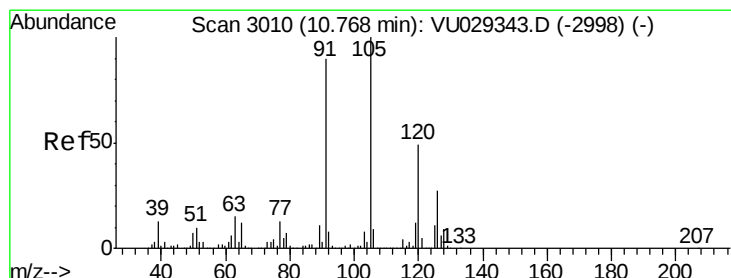
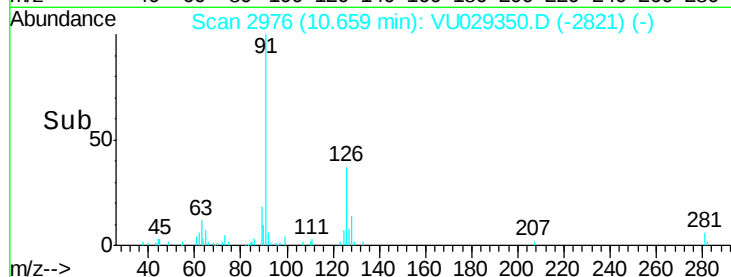
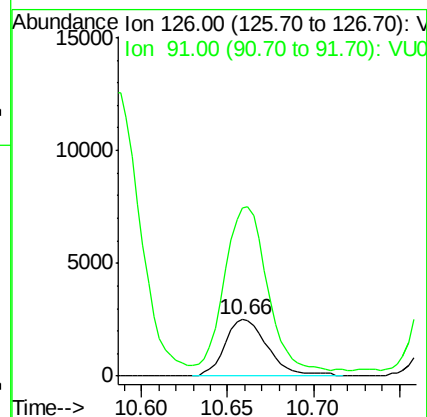
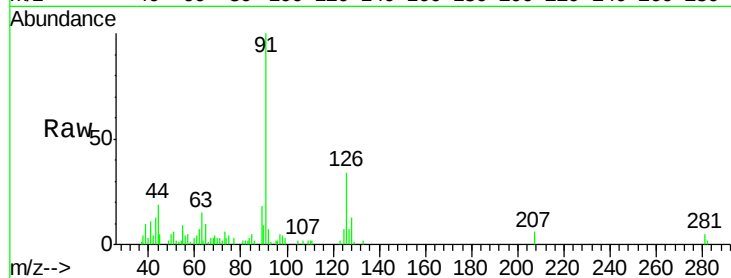
126 100

91 282.6 0.0 643.0

Manual Integrations
APPROVED

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#75

1,3,5-Trimethylbenzene

Concen: 0.250 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029350.D

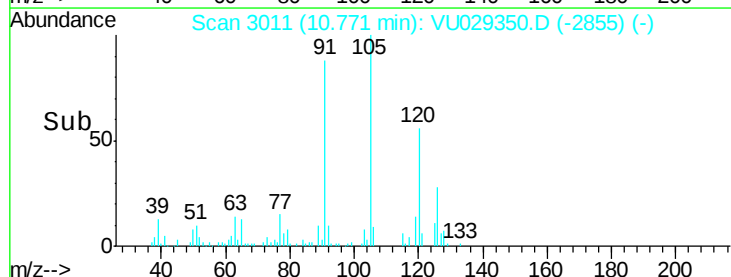
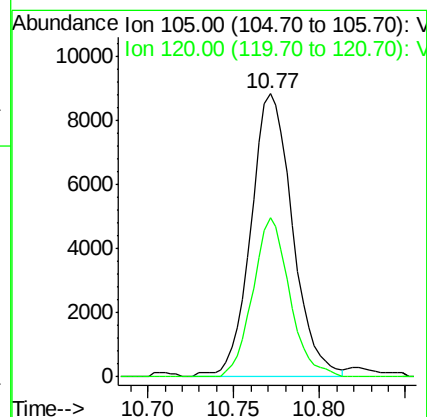
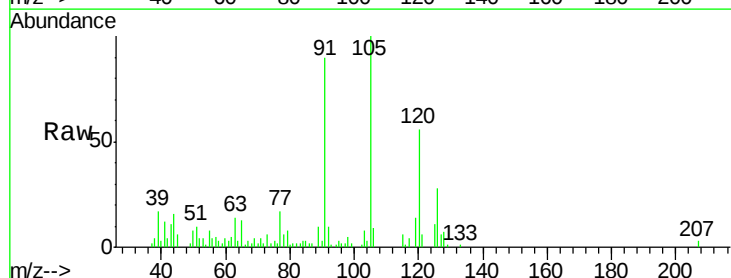
Acq: 05 Feb 2019 16:55

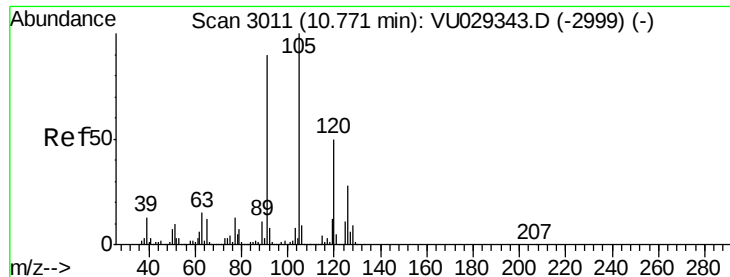
Tgt Ion:105 Resp: 14886

Ion Ratio Lower Upper

105 100

120 49.5 37.3 55.9





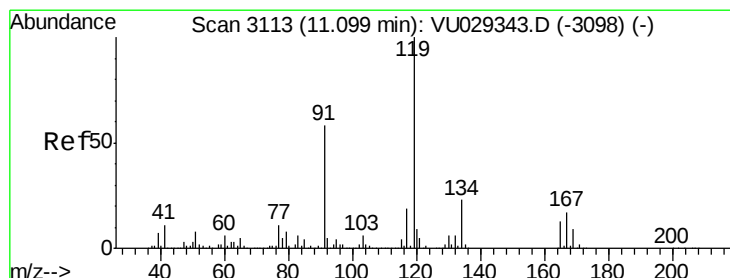
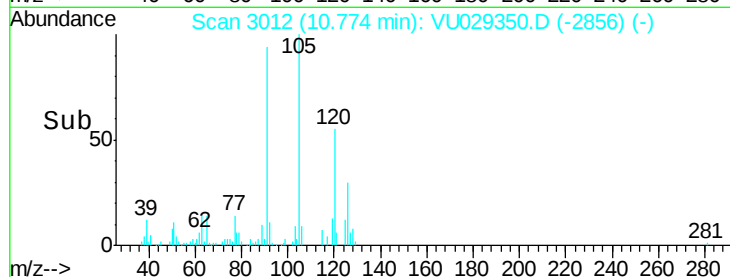
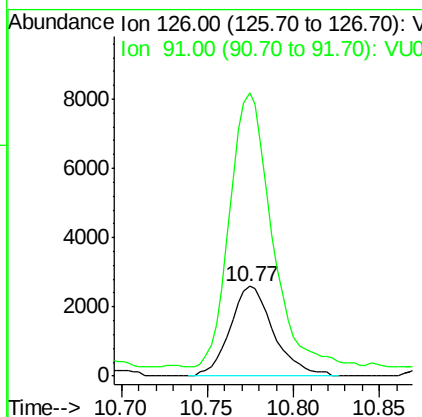
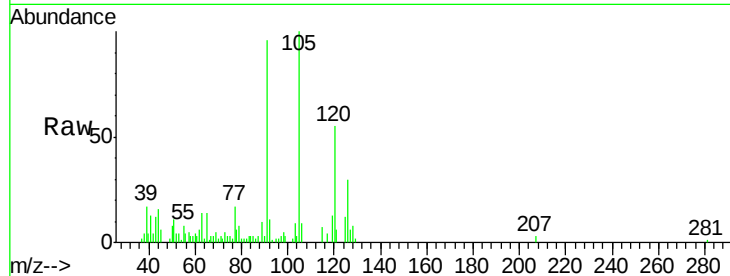
#76
4-Chlorotoluene
Concen: 0.268 ug/l
RT: 10.77 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion:126 Resp: 4563
Ion Ratio Lower Upper
126 100
91 294.8 0.0 727.4

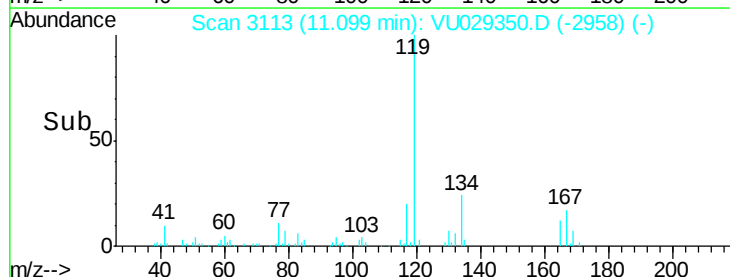
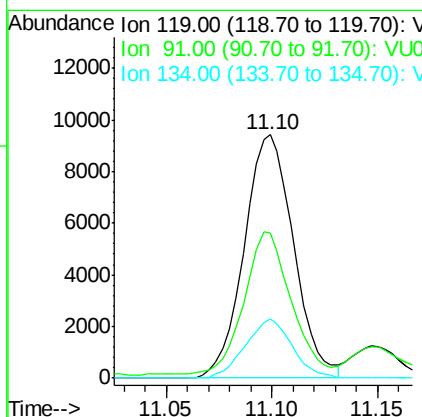
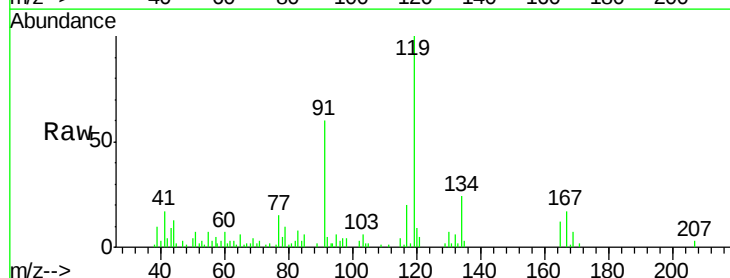
Manual Integrations
APPROVED

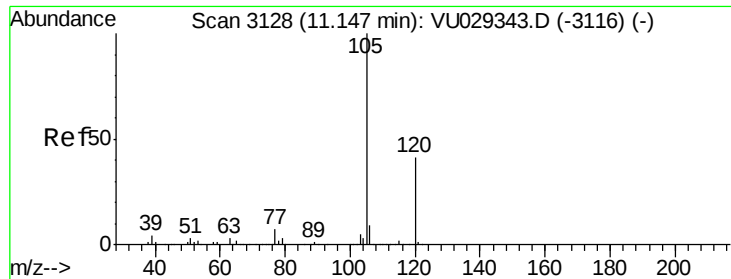
sam
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#77
tert-Butylbenzene
Concen: 0.261 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. -0.00 min
Lab File: VU029350.D
Acq: 05 Feb 2019 16:55

Tgt Ion:119 Resp: 15354
Ion Ratio Lower Upper
119 100
91 55.4 32.2 96.6
134 22.9 17.6 26.4





#78

1,2,4-Trimethylbenzene

Concen: 0.256 ug/l

RT: 11.15 min Scan# 3129

Delta R.T. 0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion:105 Resp: 15422

Ion Ratio Lower Upper

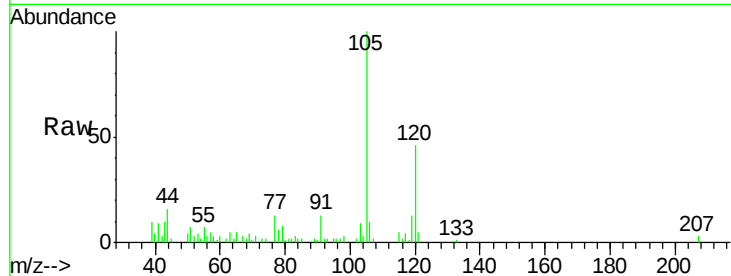
105 100

120 47.4 21.4 64.3

Manual Integrations
APPROVED

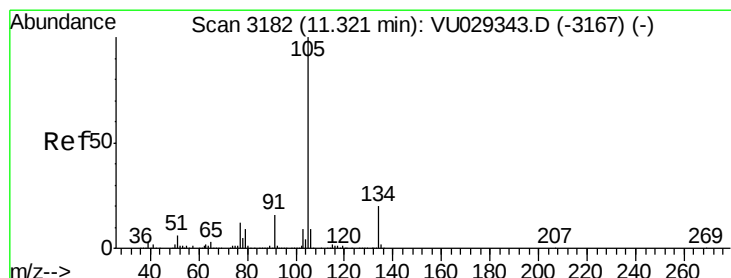
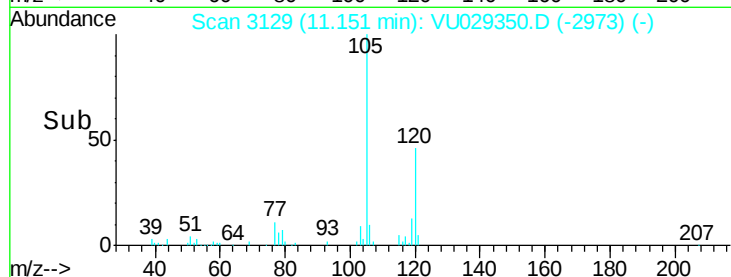
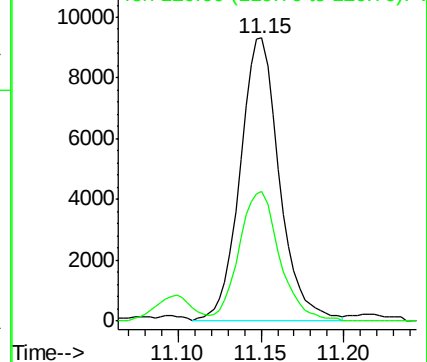
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#79

sec-Butylbenzene

Concen: 0.256 ug/l

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VU029350.D

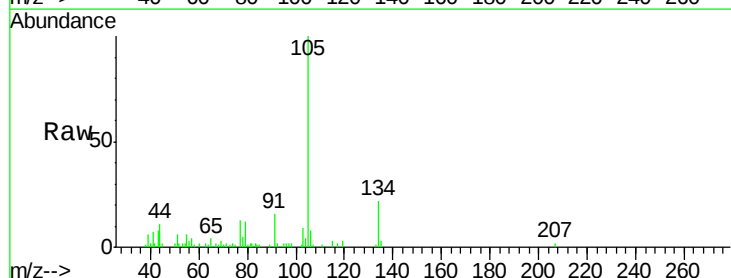
Acq: 05 Feb 2019 16:55

Tgt Ion:105 Resp: 19776

Ion Ratio Lower Upper

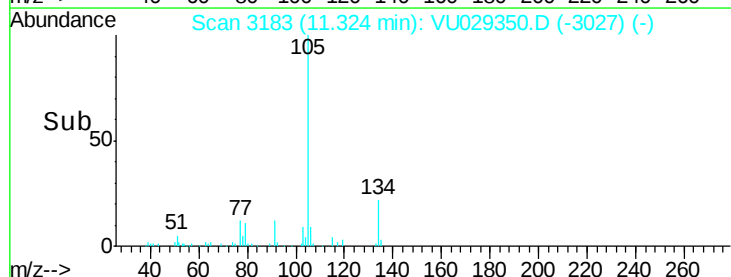
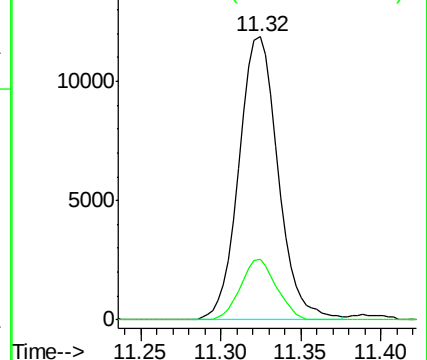
105 100

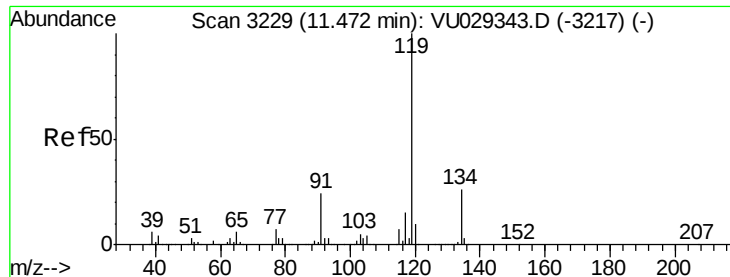
134 19.5 15.0 22.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





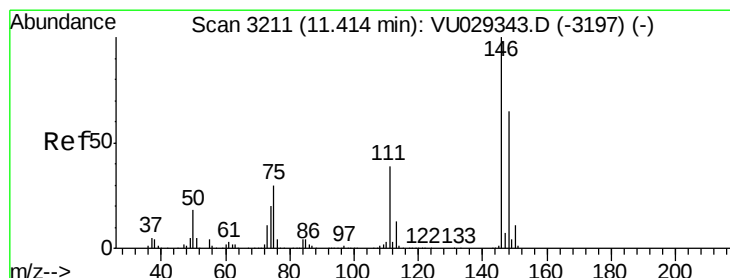
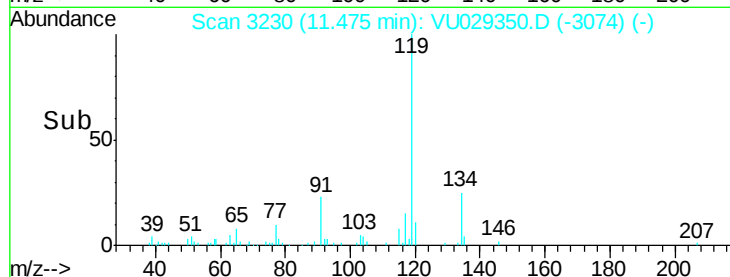
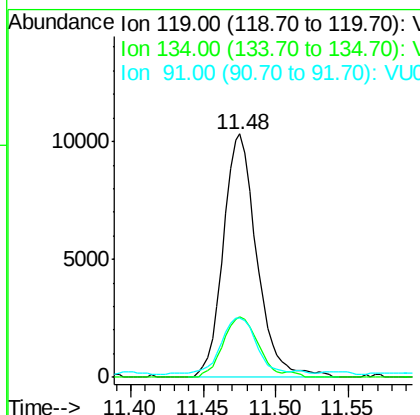
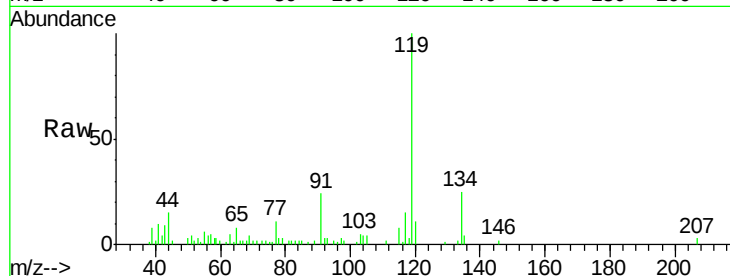
#81
 p-Isopropyltoluene
 Concen: 0.253 ug/l
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	19.8	29.6
91	23.1	21.5	32.3

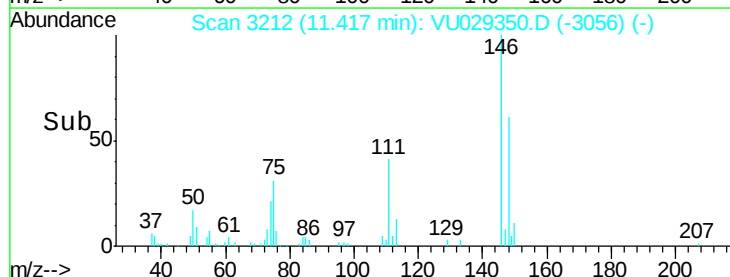
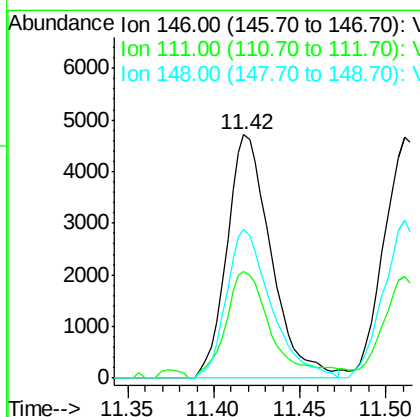
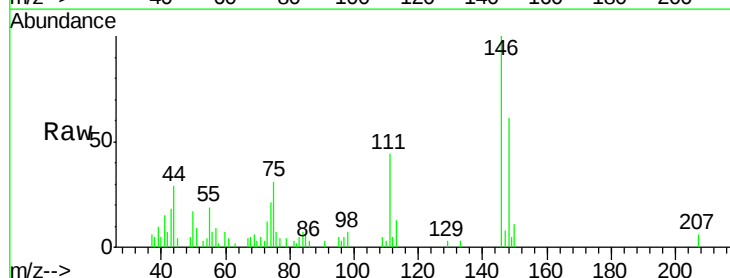
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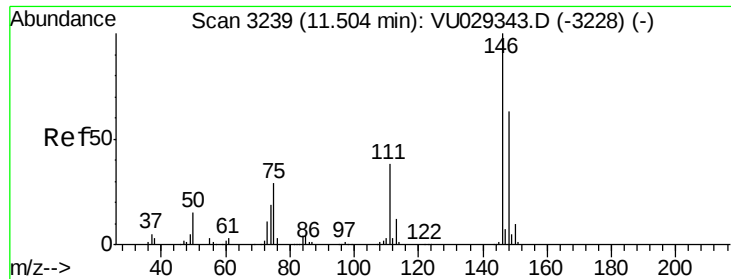
sam
 2/8/2019 2:26:43 PM



#82
 1,3-Dichlorobenzene
 Concen: 0.256 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	34.1	51.1
148	61.9	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 0.242 ug/l

RT: 11.51 min Scan# 3241

Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

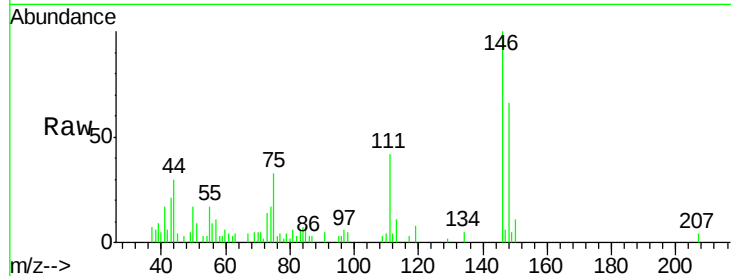
ClientSampled :

MDL02

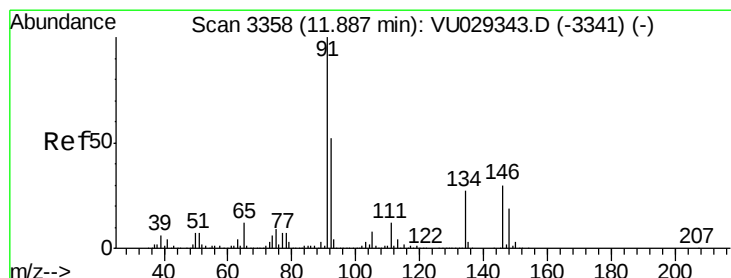
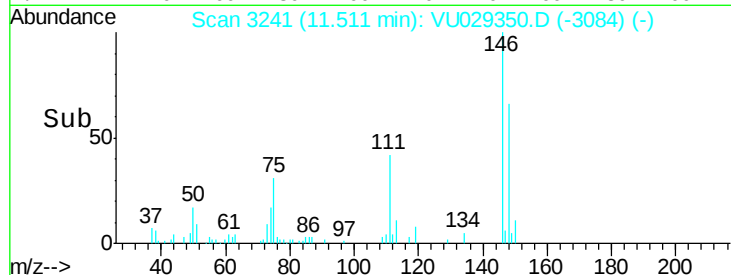
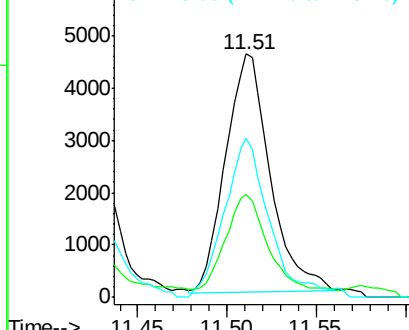
Tot Ion:	146	Resp:	7929
Ion	Ratio	Lower	Upper
146	100		
111	44.9	32.9	49.3
148	67.7	51.8	77.6

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2/8/2019 2:26:43 PM



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



#84

n-Butylbenzene

Concen: 0.221 ug/l

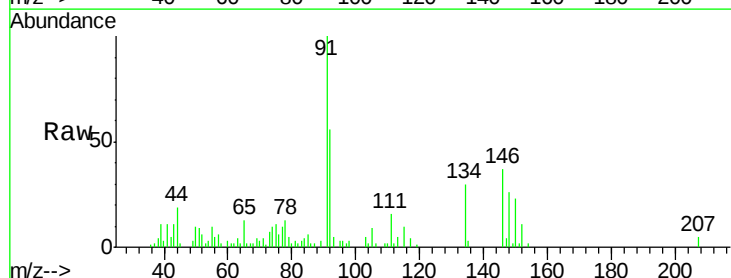
RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

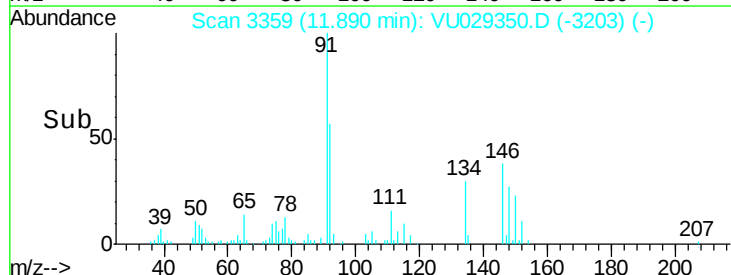
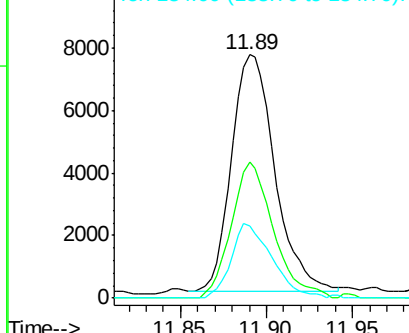
Lab File: VU029350.D

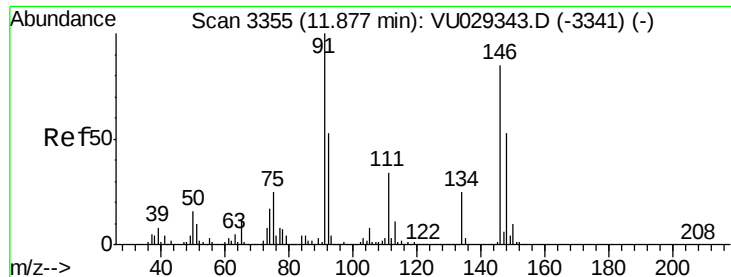
Acq: 05 Feb 2019 16:55

Tgt Ion:	91	Resp:	13261
Ion	Ratio	Lower	Upper
91	100		
92	56.0	41.0	61.6
134	29.7	19.1	28.7#



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 0.262 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Instrument :

MSVOA_U

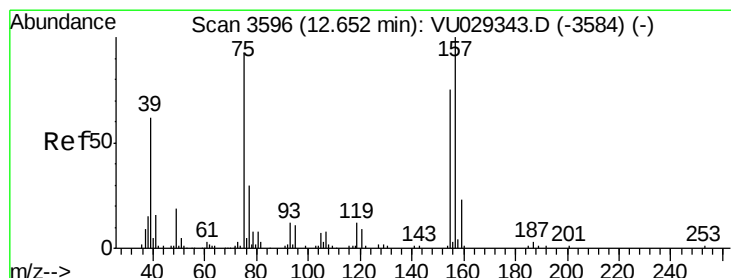
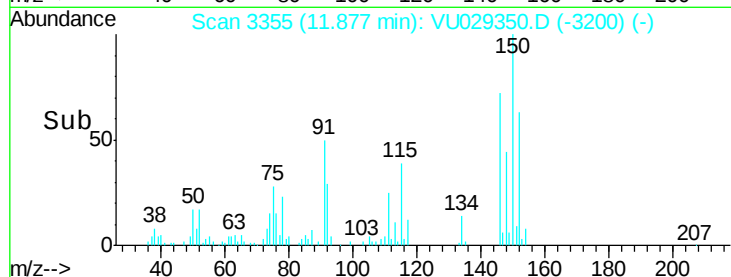
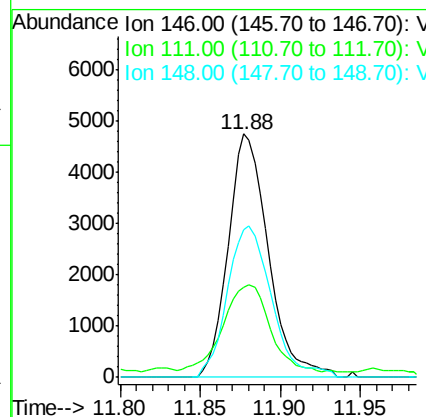
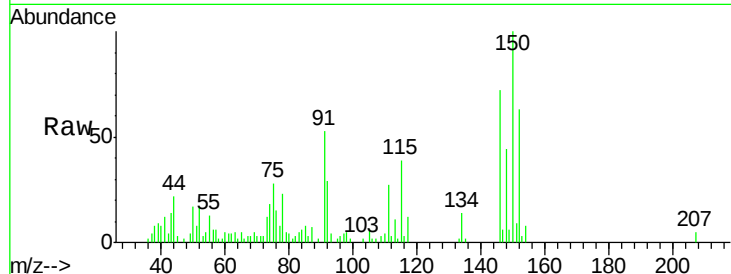
ClientSampled :

MDL02

Tot Ion:	146	Resp:	8133
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.9	65.8
148	68.2	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.264 ug/l

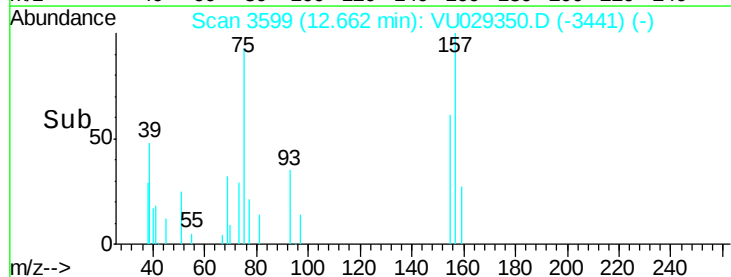
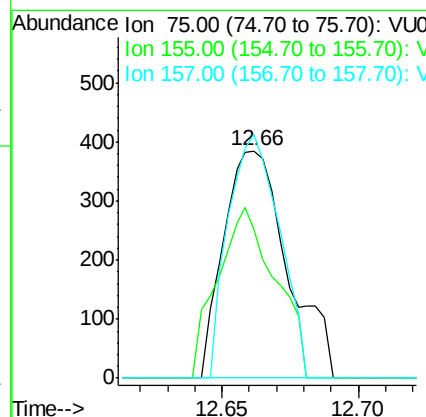
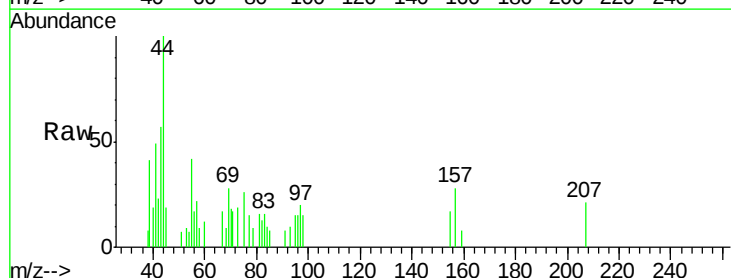
RT: 12.66 min Scan# 3599

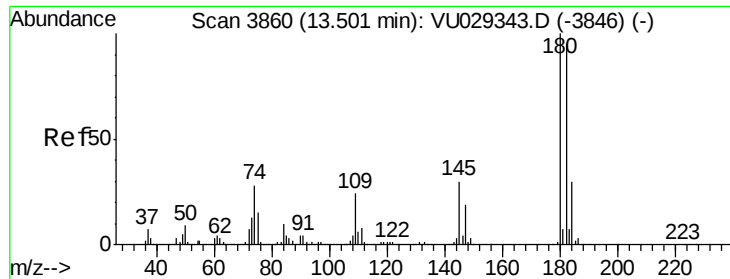
Delta R.T. 0.01 min

Lab File: VU029350.D

Acq: 05 Feb 2019 16:55

Tgt Ion:	75	Resp:	627
Ion Ratio	Lower	Upper	
75	100		
155	68.3	53.8	80.8
157	86.3	69.2	103.8





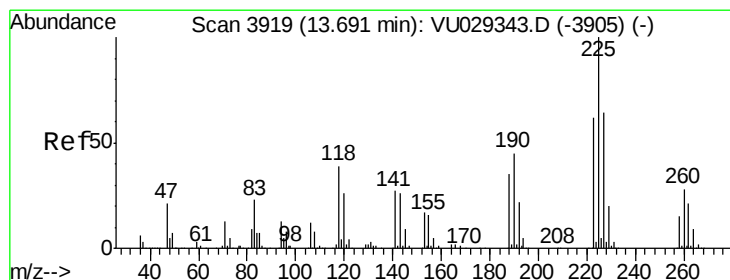
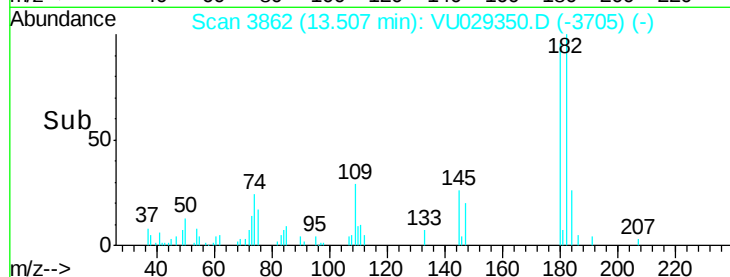
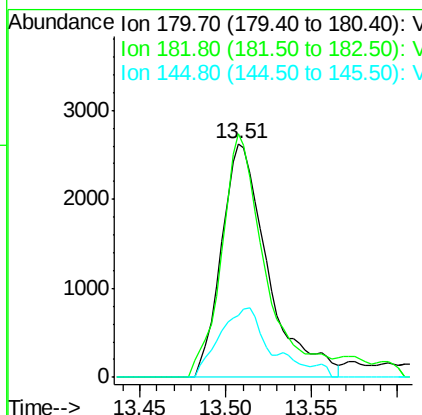
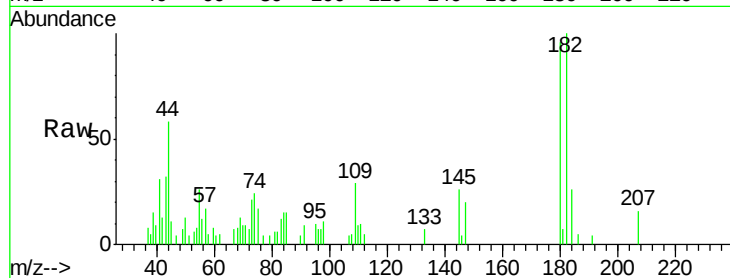
#87
 1,2,4-Trichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.6	114.8
145	32.2	24.6	36.8

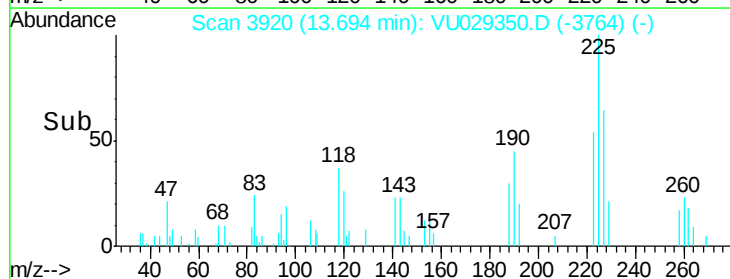
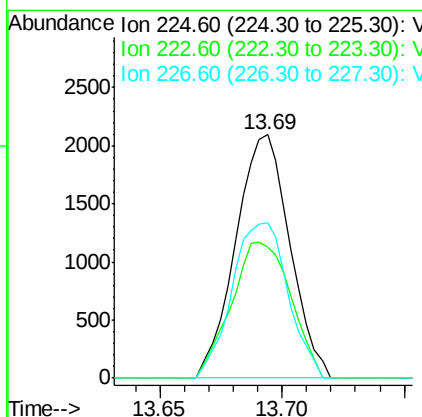
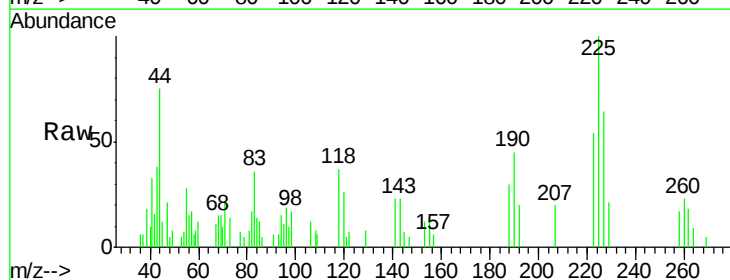
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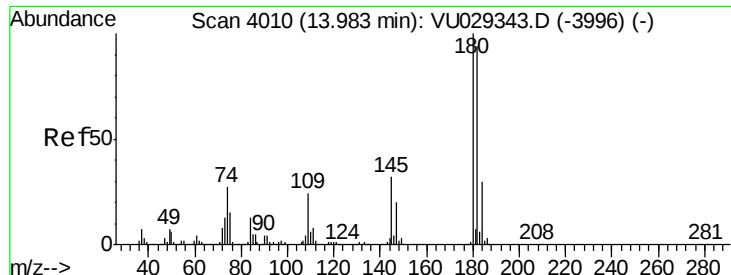
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 2/8/2019 2:26:43 PM



#88
 Hexachlorobutadiene
 Concen: 0.254 ug/l
 RT: 13.69 min Scan# 3920
 Delta R.T. 0.00 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.5	74.3
227	66.1	50.4	75.6





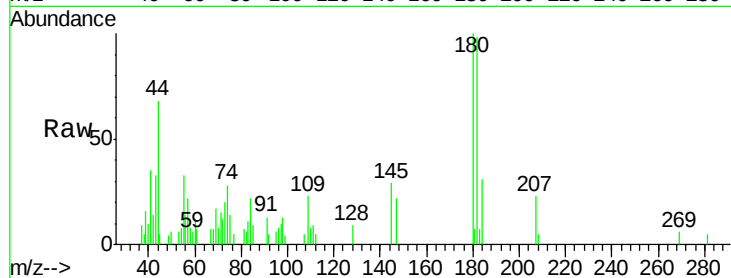
#90
 1,2,3-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU029350.D
 Acq: 05 Feb 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.5	78.0	117.0
145	27.8	26.6	39.8

Manual Integrations
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Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.70 (181.40 to 182.40): V
 Ion 144.80 (144.50 to 145.50): V

