

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\
 Data File : VU029349.D
 Acq On : 05 Feb 2019 16:27
 Operator : JC/SP
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL01

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:39 PM

Quant Time: Feb 08 11:21:07 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	59588	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22431	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23393	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	5865	0.264	ug/l	97
3) Chloromethane	1.33	50	5788	0.285	ug/l	94
4) Vinyl Chloride	1.40	62	6679	0.280	ug/l	99
5) Bromomethane	1.63	94	4747	0.358	ug/l	90
6) Chloroethane	1.70	64	4184	0.301	ug/l	96
7) Trichlorofluoromethane	1.88	101	9591	0.288	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5341	0.304	ug/l #	84
9) 1,1-Dichloroethene	2.28	96	4391	0.255	ug/l	86
10) Iodomethane	2.41	142	4067m	0.453	ug/l	
11) Allyl Chloride	2.59	41	7863	0.273	ug/l	97
12) Acrylonitrile	2.94	53	2329	0.604	ug/l	97
13) Acetone	2.32	43	6256	1.685	ug/l	94
14) Carbon Disulfide	2.48	76	17423	0.287	ug/l	97
15) Methylene Chloride	2.69	84	8569	0.411	ug/l #	81
16) trans-1,2-Dichloroethene	2.98	96	4817	0.251	ug/l #	74
17) 1,1-Dichloroethane	3.44	63	8019	0.263	ug/l #	94
18) 2-Butanone	4.29	43	4286	1.033	ug/l	78
19) Cyclohexane	4.99	56	8708m	0.308	ug/l	
20) Methylcyclohexane	6.41	83	8533	0.288	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	9519	0.338	ug/l #	83
22) cis-1,2-Dichloroethene	4.23	96	5005	0.276	ug/l	81
23) Diethyl Ether	2.10	59	3831	0.278	ug/l	90
24) tert-Butyl Alcohol	2.83	59	4578	3.191	ug/l #	92
25) Methyl tert-Butyl Ether	3.00	73	13362	0.276	ug/l #	81
26) Bromochloromethane	4.56	128	2128	0.266	ug/l	74
27) Chloroform	4.67	83	7692	0.260	ug/l	94
28) 1,1,1-Trichloroethane	4.91	97	7472	0.272	ug/l	95
29) 1,1-Dichloropropene	5.13	75	6685	0.280	ug/l #	82
30) Carbon Tetrachloride	5.13	117	6494	0.261	ug/l	97
31) Isopropyl Ether	3.57	45	12354	0.269	ug/l	93
32) Ethyl-t-butyl ether	4.07	59	12050	0.262	ug/l	91
33) Tert-Amyl methyl ether	5.59	73	11393	0.274	ug/l	95
35) Benzene	5.39	78	17495	0.265	ug/l	100
36) 1,2-Dichloroethane	5.41	62	5032	0.252	ug/l #	78
37) Trichloroethene	6.18	130	5094	0.269	ug/l	99
38) 1,2-Dichloropropane	6.43	63	4343	0.253	ug/l	95
41) Tetrahydrofuran	4.66	42	1711	0.608	ug/l #	86
42) 1-Chlorobutane	5.06	56	8328	0.261	ug/l	96
43) Dibromomethane	6.56	93	2549	0.279	ug/l	94
44) Bromodichloromethane	6.76	83	6160	0.265	ug/l	95
45) 4-Methyl-2-Pentanone	7.47	43	14483	1.352	ug/l #	87

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Manual Integrations
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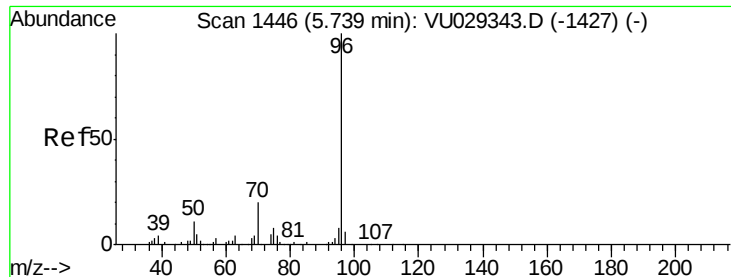
sam
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Quant Time: Feb 08 11:21:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

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

46) t-1,4-Dichloro-2-butene	10.52	75	2463m	0.472	ug/l	
47) Methyl methacrylate	6.64	69	3630m	0.451	ug/l	
48) Ethyl methacrylate	8.03	69	3967	0.230	ug/l	99
49) Toluene	7.64	92	10268	0.243	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	5968	0.261	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	7251	0.267	ug/l	92
52) 1,1,2-Trichloroethane	8.07	97	3424	0.283	ug/l	94
53) 1,3-Dichloropropane	8.25	76	5537	0.261	ug/l	95
54) 2-Hexanone	8.37	43	8427	1.122	ug/l	90
55) Dibromochloromethane	8.48	129	4535	0.264	ug/l	96
56) 1,2-Dibromoethane	8.59	107	3209	0.259	ug/l	86
58) Tetrachloroethene	8.22	164	4887	0.278	ug/l	93
59) Chlorobenzene	9.12	112	12831	0.270	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.21	131	4701	0.268	ug/l	94
61) Pentachloroethane	11.10	117	3940	0.290	ug/l	91
62) Hexachloroethane	12.14	117	3702	0.249	ug/l	100
63) Ethyl Benzene	9.25	91	22103	0.268	ug/l	95
64) m/p-Xylenes	9.37	106	16942	0.528	ug/l	88
65) o-Xylene	9.78	106	8519	0.271	ug/l	85
66) Styrene	9.80	104	13923	0.265	ug/l	93
67) Bromoform	9.96	173	2955	0.276	ug/l #	98
69) Isopropylbenzene	10.17	105	23009	0.274	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	4480	0.289	ug/l	93
71) 1,2,3-Trichloropropane	10.50	75	3423m	0.321	ug/l	
72) Bromobenzene	10.45	156	5619	0.276	ug/l	95
73) n-propylbenzene	10.59	120	6077	0.259	ug/l	79
74) 2-Chlorotoluene	10.66	126	5532	0.277	ug/l	79
75) 1,3,5-Trimethylbenzene	10.77	105	18796	0.259	ug/l	97
76) 4-Chlorotoluene	10.77	126	5403	0.261	ug/l	85
77) tert-Butylbenzene	11.10	119	18919	0.264	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	19945	0.272	ug/l	98
79) sec-Butylbenzene	11.32	105	24293	0.259	ug/l	97
81) p-Isopropyltoluene	11.48	119	20450	0.257	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	10436	0.261	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	10661	0.268	ug/l	98
84) n-Butylbenzene	11.89	91	17257	0.237	ug/l	93
85) 1,2-Dichlorobenzene	11.88	146	10105	0.267	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.66	75	726	0.251	ug/l #	84
87) 1,2,4-Trichlorobenzene	13.51	180	6233	0.235	ug/l	98
88) Hexachlorobutadiene	13.69	225	4275	0.278	ug/l	96
89) Naphthalene	13.75	128	10532	0.234	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	6254	0.258	ug/l	91

(#) = 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: VU029349.D

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Instrument :

MSVOA_U

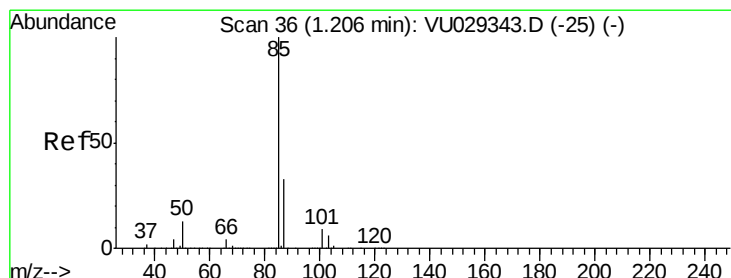
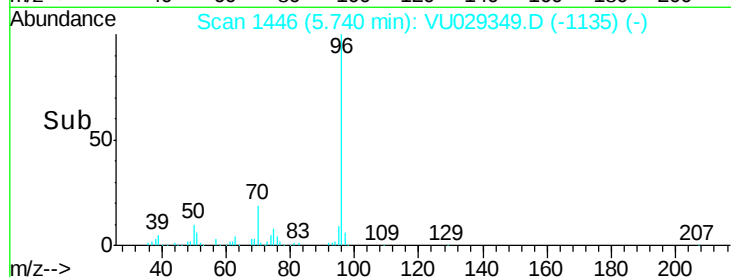
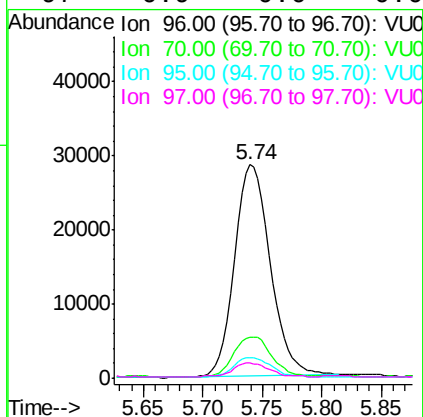
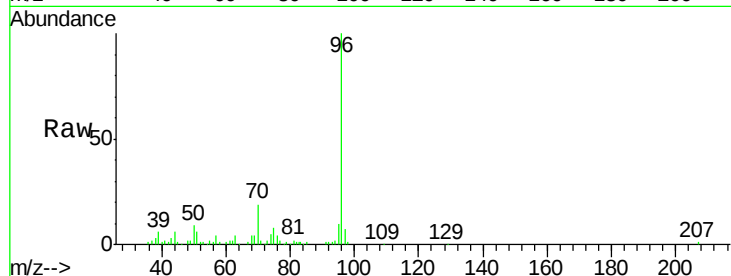
ClientSampleId :

MDL01

Tot Ion:	96	Resp:	59588
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.2
95	10.0	7.4	11.2
97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.264 ug/l

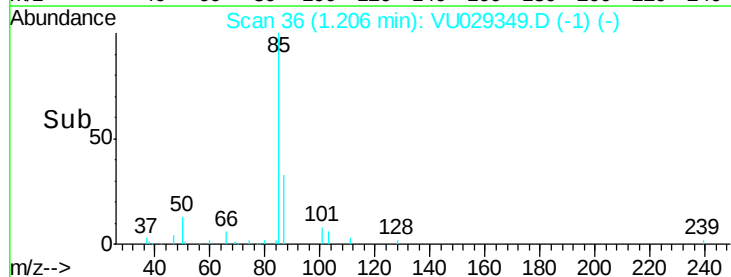
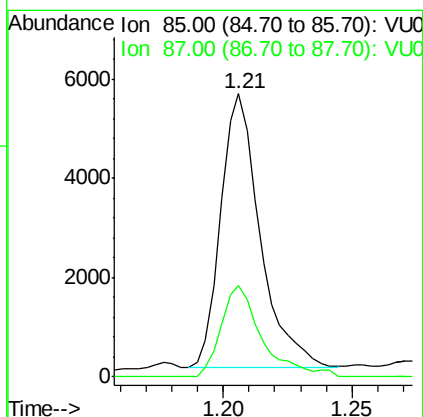
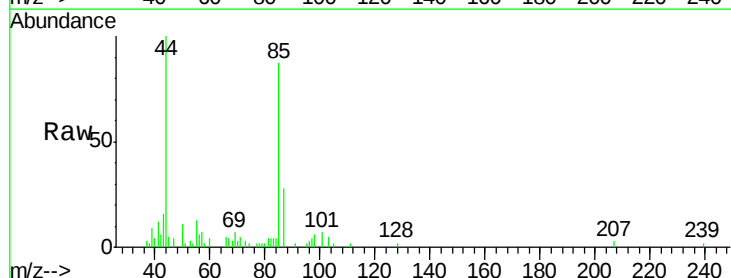
RT: 1.21 min Scan# 36

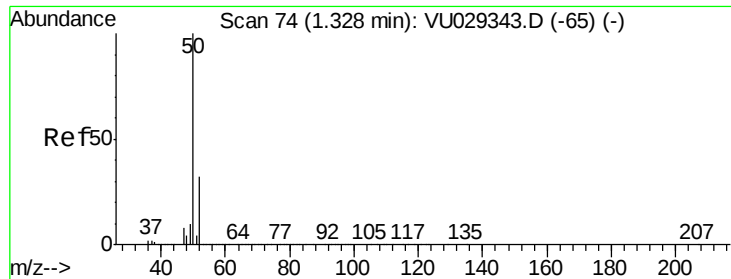
Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	85	Resp:	5865
Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.9	47.6





#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 50 Resp: 5788

Ion Ratio Lower Upper

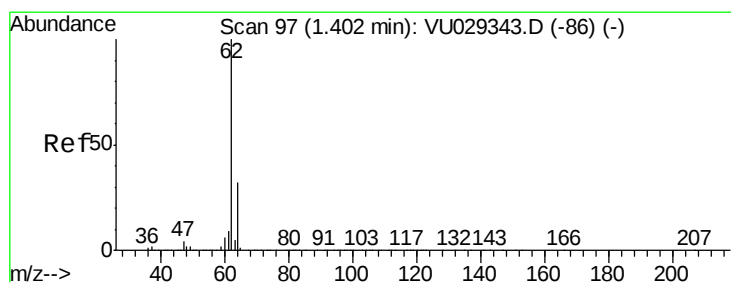
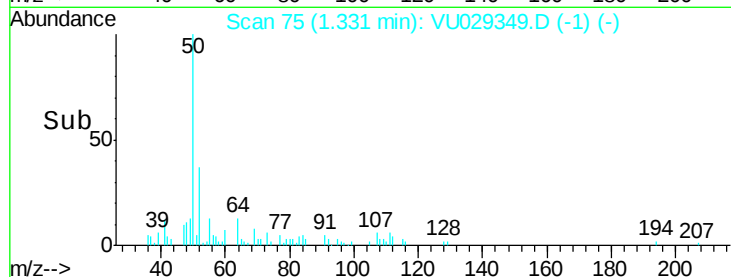
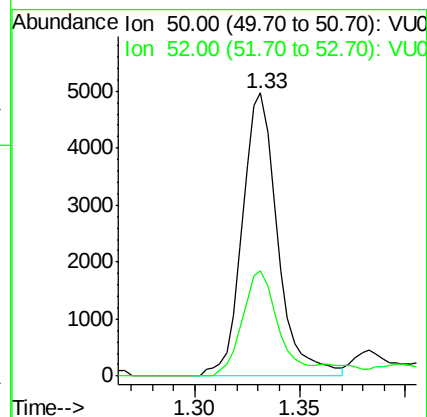
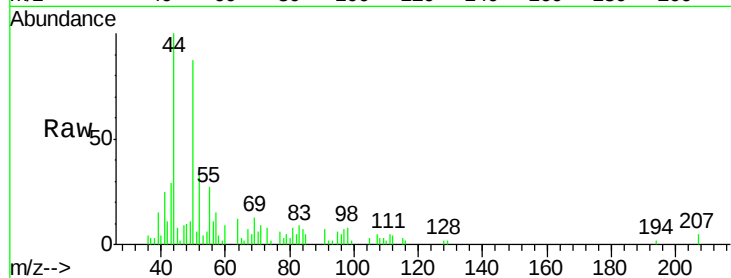
50 100

52 37.4 27.3 40.9

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#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029349.D

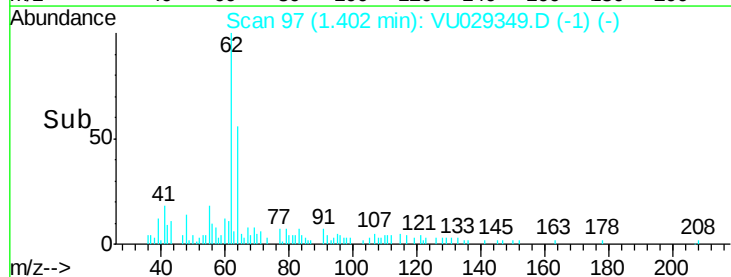
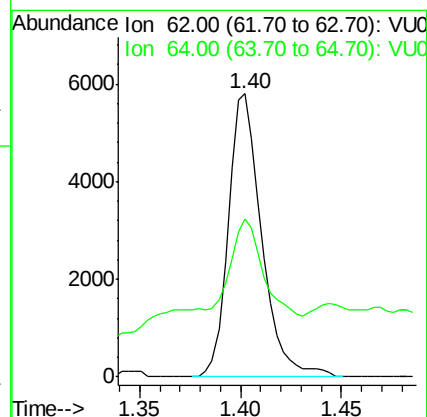
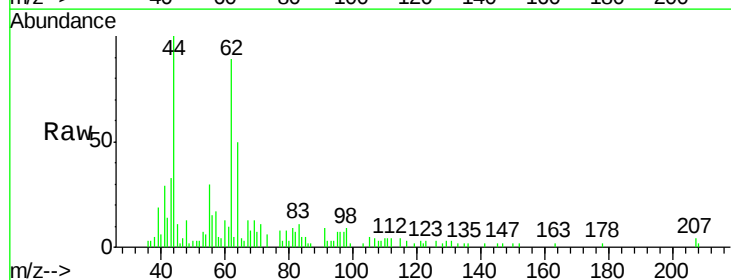
Acq: 05 Feb 2019 16:27

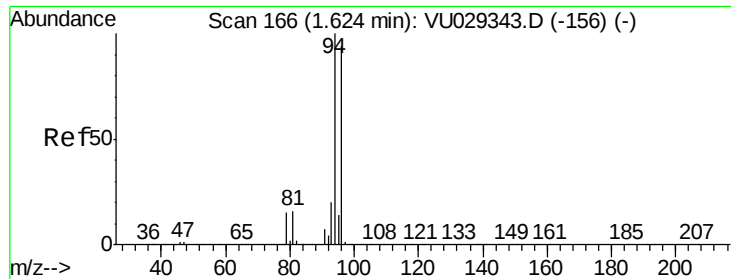
Tgt Ion: 62 Resp: 6679

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 94 Resp: 4747

Ion Ratio Lower Upper

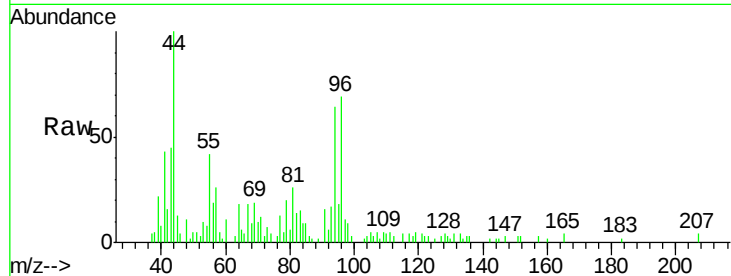
94 100

96 99.3 71.7 107.5

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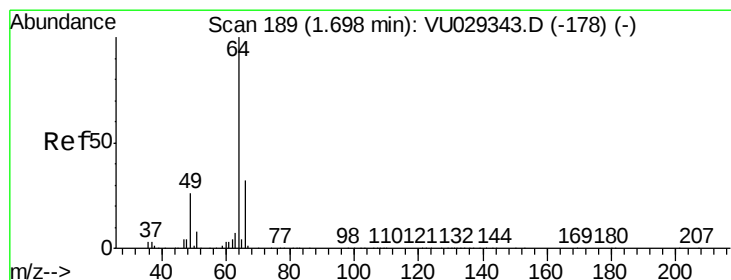
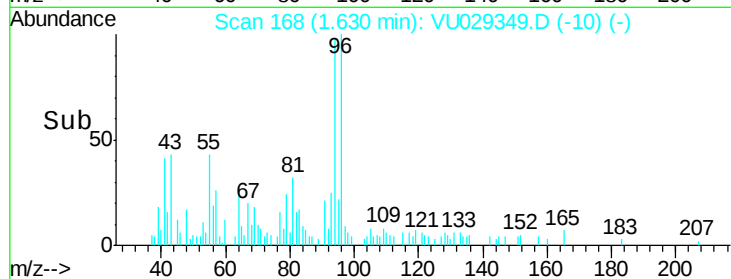
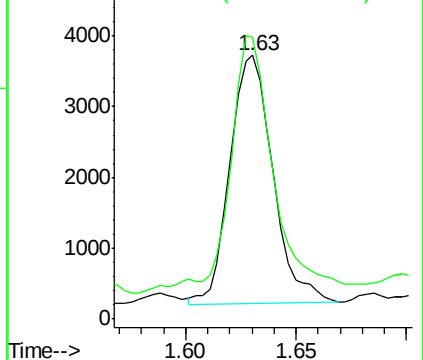
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.301 ug/l

RT: 1.70 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU029349.D

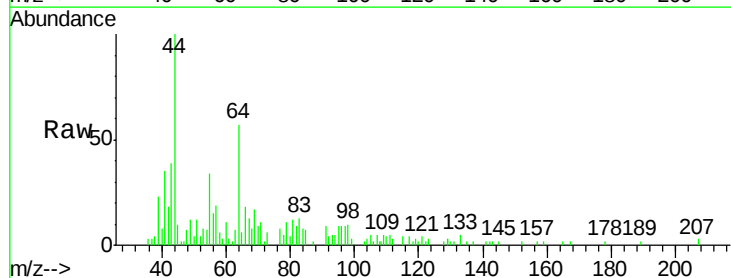
Acq: 05 Feb 2019 16:27

Tgt Ion: 64 Resp: 4184

Ion Ratio Lower Upper

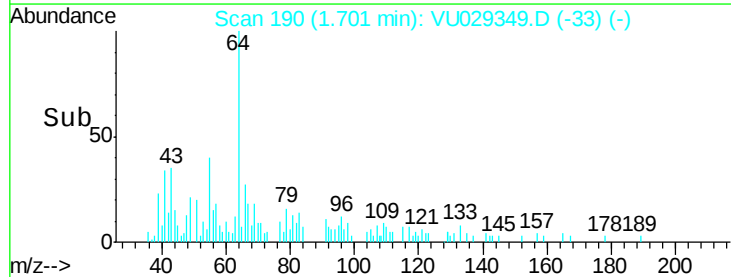
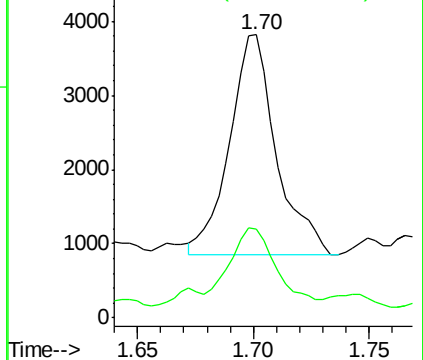
64 100

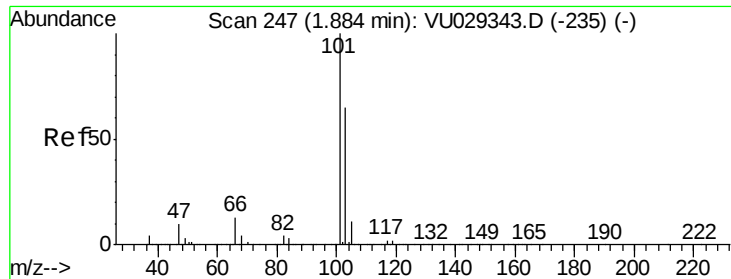
66 30.6 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

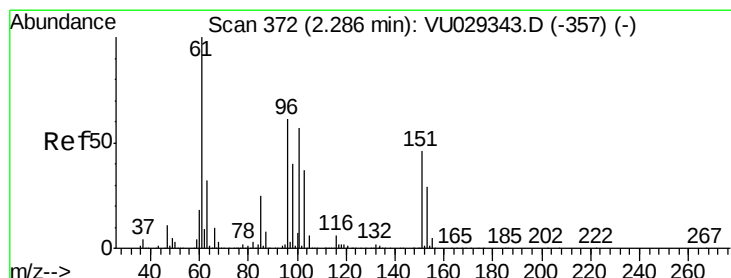
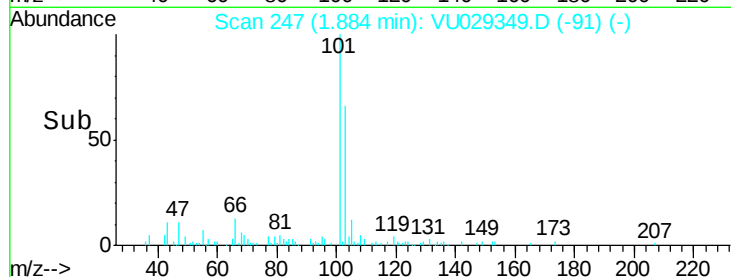
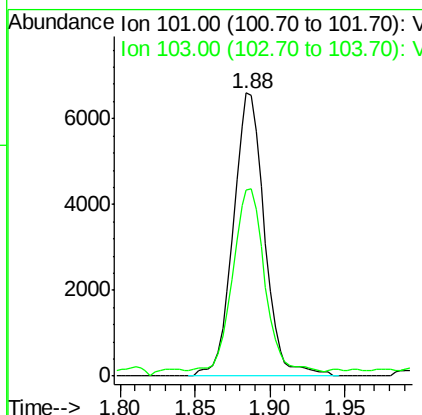
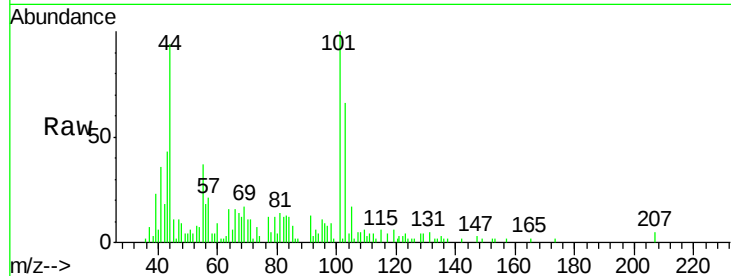
Trichlorofluoromethane
Concen: 0.288 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	9591		
103	63.7	53.9	80.9	

Manual Integrations
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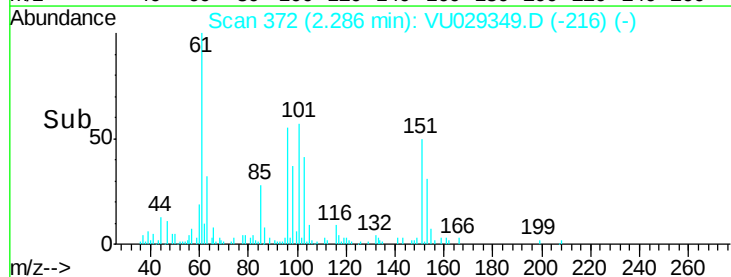
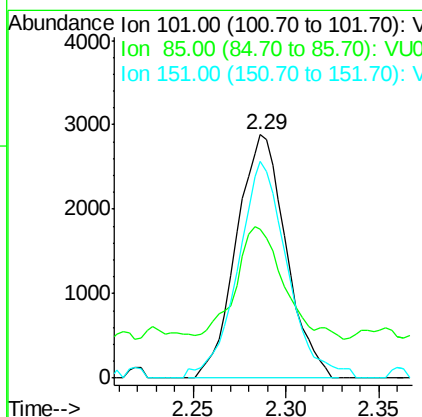
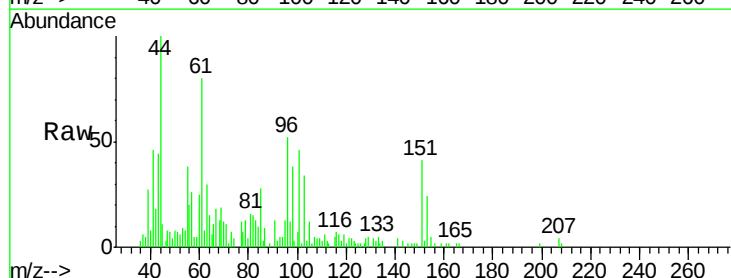
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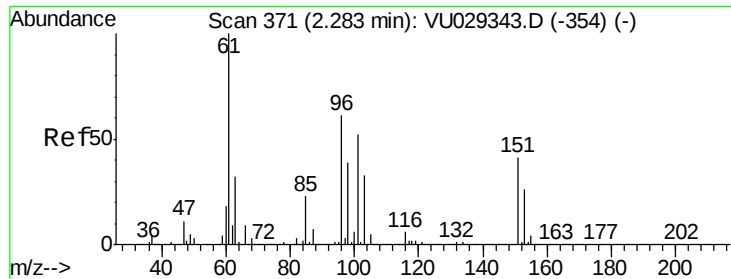


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.304 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	5341		
85	42.5	40.3	60.5	
151	88.8	58.1	87.1	





#9

1,1-Dichloroethene

Concen: 0.255 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

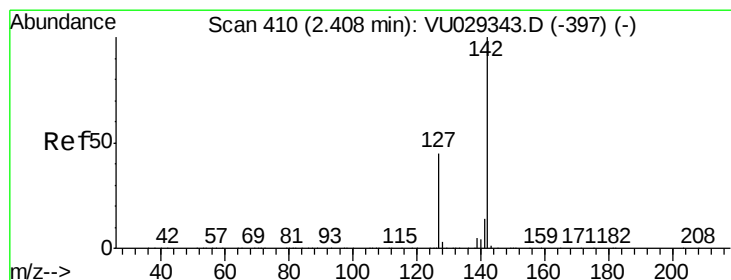
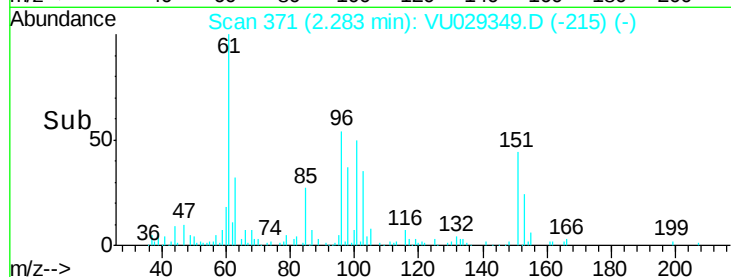
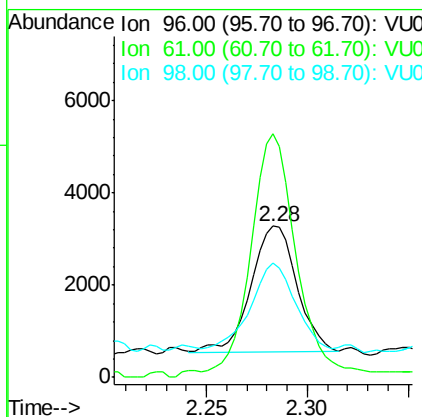
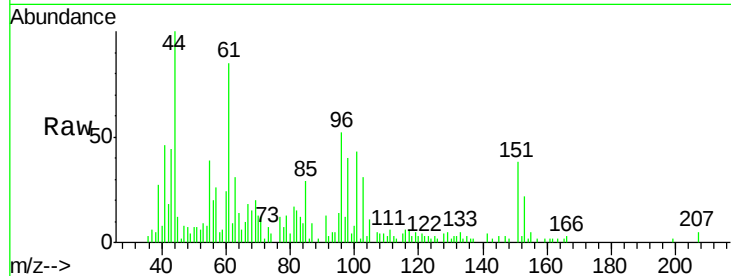
ClientSampled :

MDL01

Tot Ion:	96	Resp:	4391
Ion	Ratio	Lower	Upper
96	100		
61	188.9	0.0	641.4
98	67.3	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 0.453 ug/l m

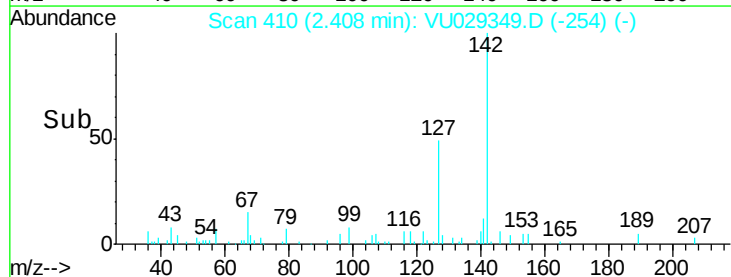
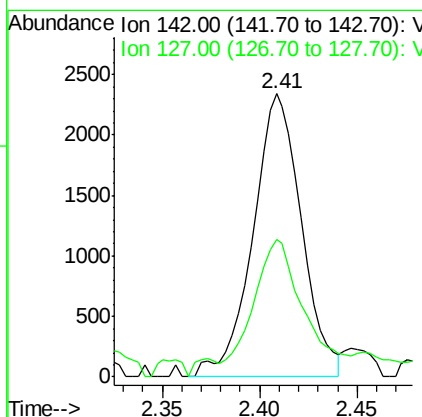
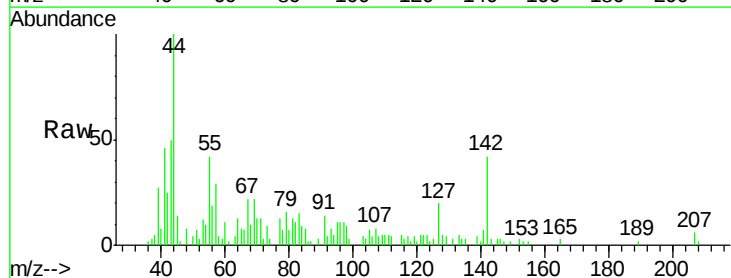
RT: 2.41 min Scan# 410

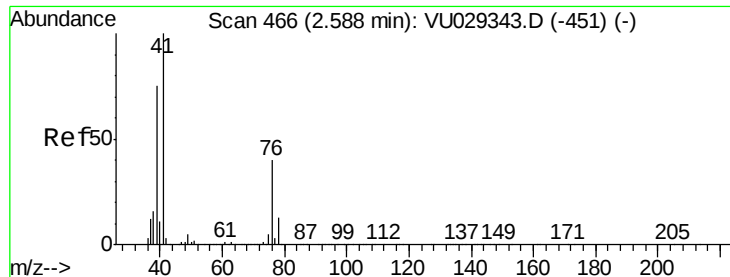
Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	142	Resp:	4067
Ion	Ratio	Lower	Upper
142	100		
127	4.3	47.6	71.4#





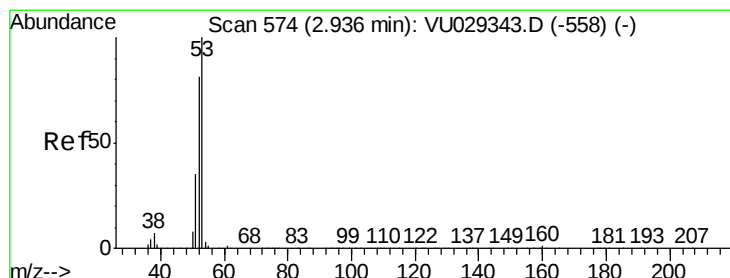
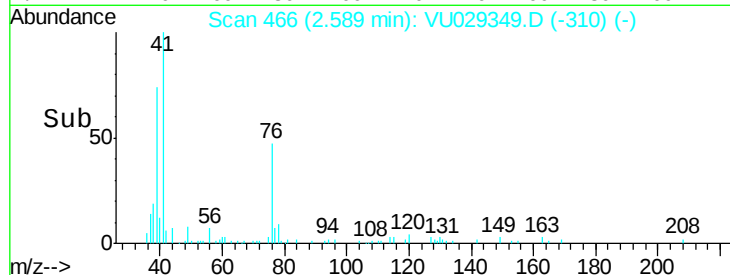
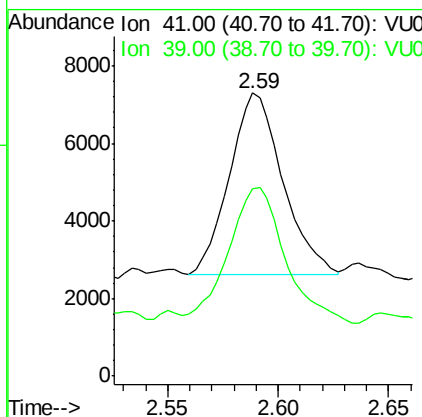
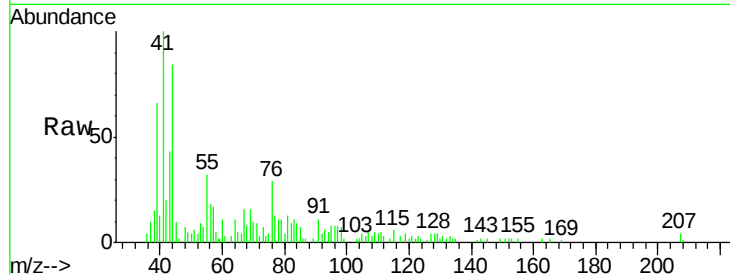
#11
Allvl Chloride
Concen: 0.273 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion: 41 Resp: 7863
Ion Ratio Lower Upper
41 100
39 80.9 67.2 100.8

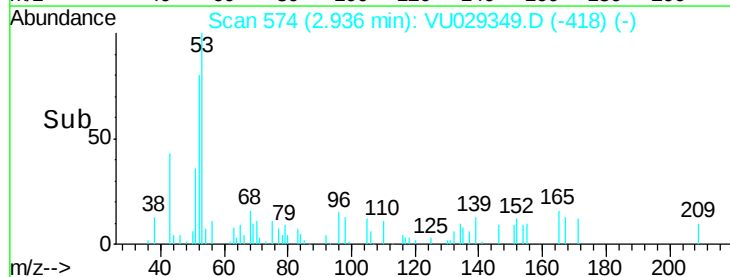
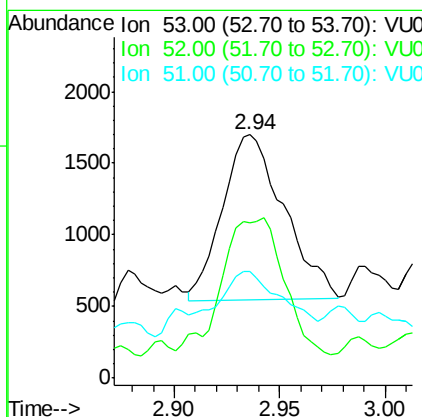
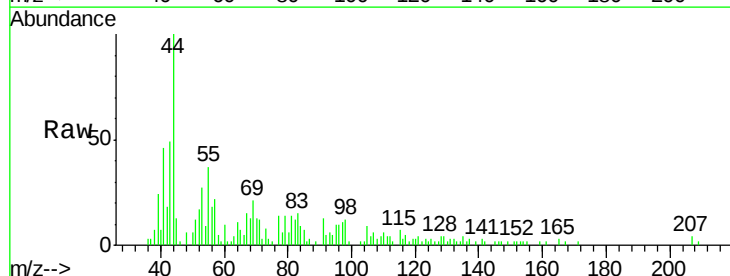
Manual Integrations
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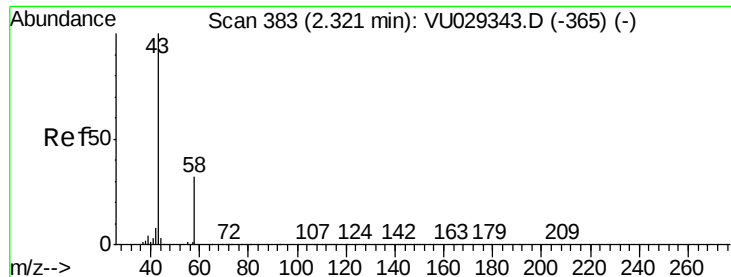
sam
2/8/2019 2:26:39 PM



#12
Acrylonitrile
Concen: 0.604 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion: 53 Resp: 2329
Ion Ratio Lower Upper
53 100
52 82.7 67.6 101.4
51 36.2 31.0 46.4





#13

Acetone

Concen: 1.685 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 6256

Ion Ratio Lower Upper

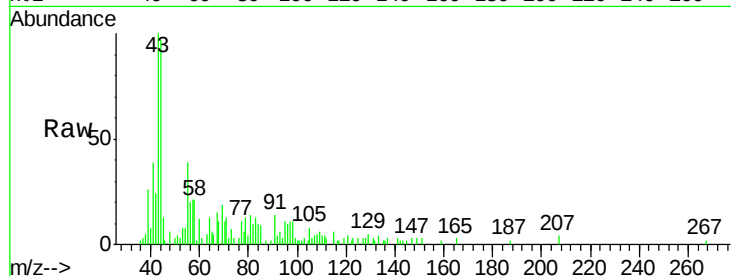
43 100

58 27.2 19.2 28.8

Manual Integrations
APPROVED

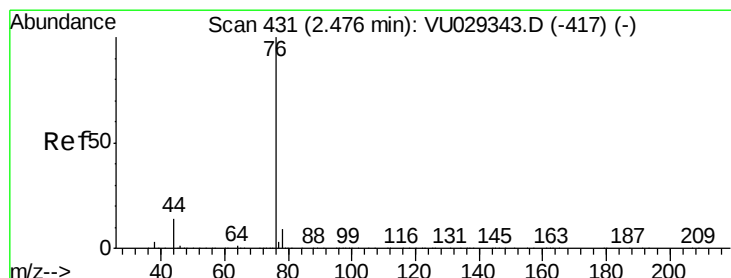
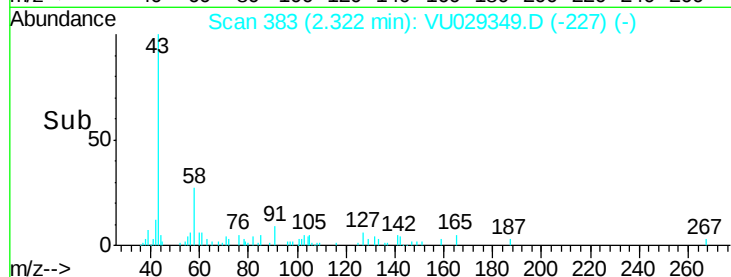
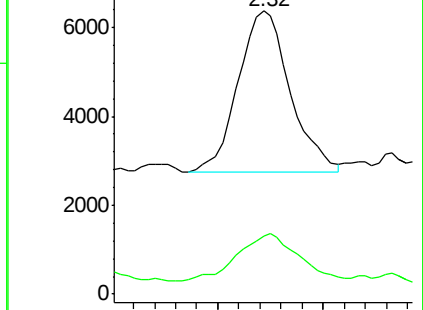
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU029349.D (-227) (-)

Ion 58.00 (57.70 to 58.70): VU029349.D (-227) (-)



#14

Carbon Disulfide

Concen: 0.287 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029349.D

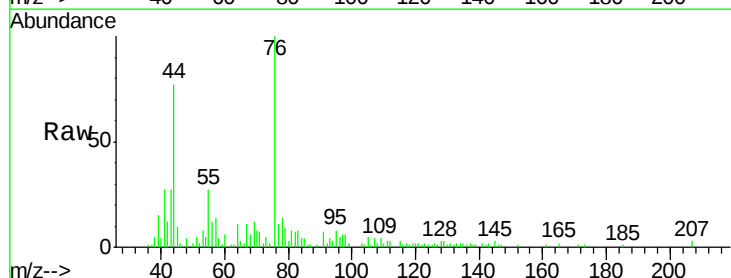
Acq: 05 Feb 2019 16:27

Tgt Ion: 76 Resp: 17423

Ion Ratio Lower Upper

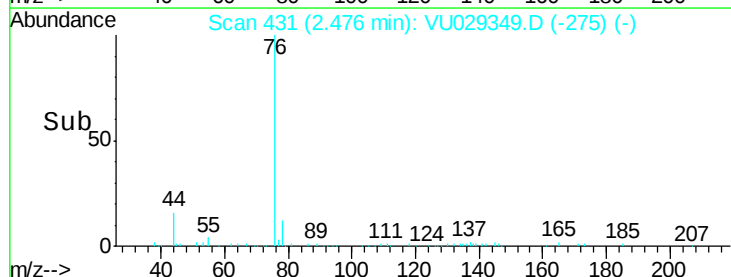
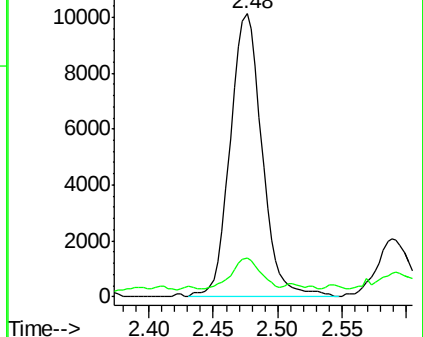
76 100

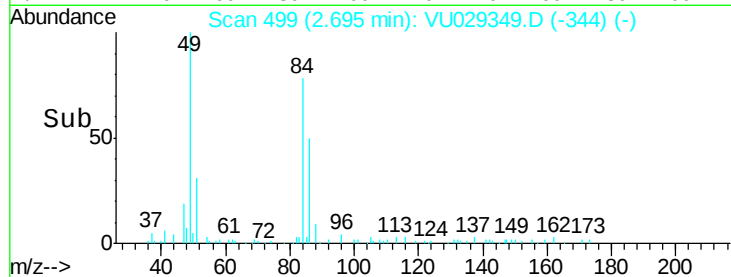
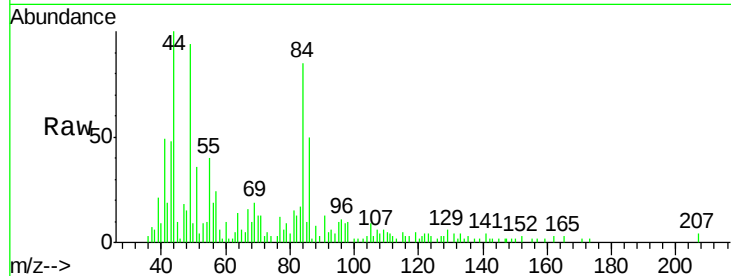
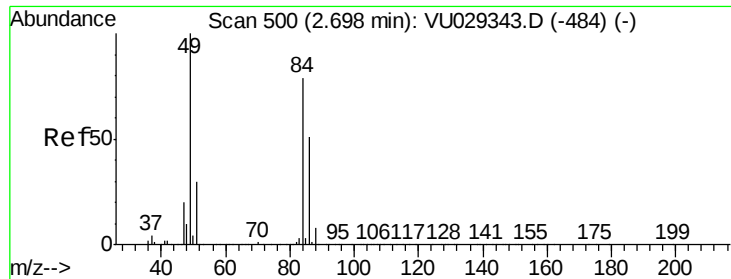
78 9.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU029349.D (-275) (-)

Ion 78.00 (77.70 to 78.70): VU029349.D (-275) (-)





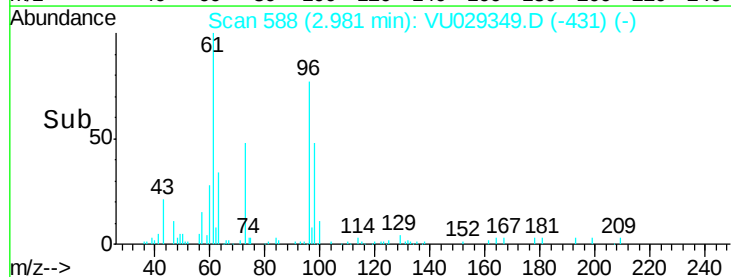
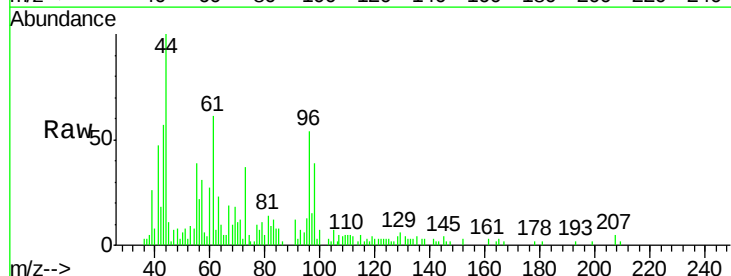
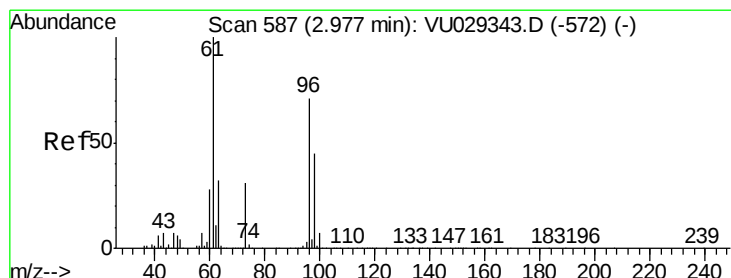
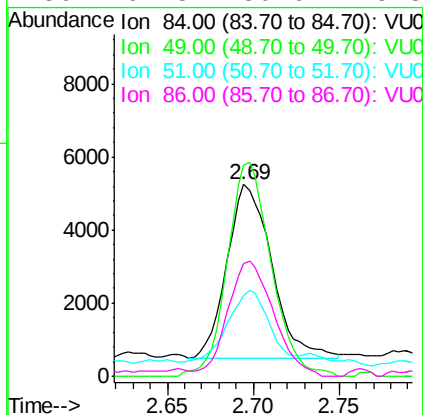
#15
Methvlene Chloride
Concen: 0.411 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tot Ion	Ratio	Lower	Upper
84	100		
49	122.0	127.0	190.6#
51	37.7	0.0	93.4
86	64.8	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
MDL01

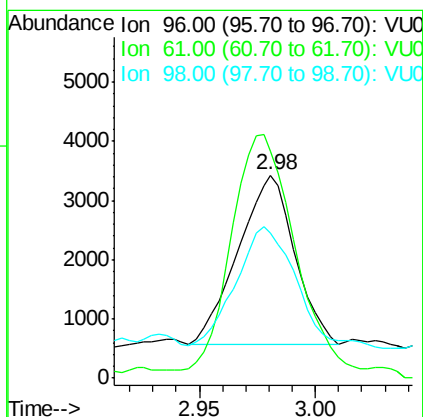
Manual Integrations
APPROVED

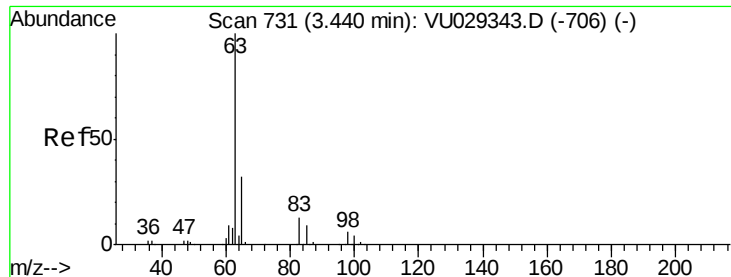
sam
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#16
trans-1,2-Dichloroethene
Concen: 0.251 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.8	140.6	210.8#
98	66.2	49.3	73.9





#17

1,1-Dichloroethane

Concen: 0.263 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

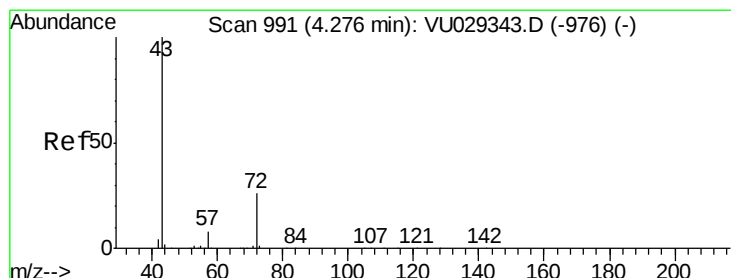
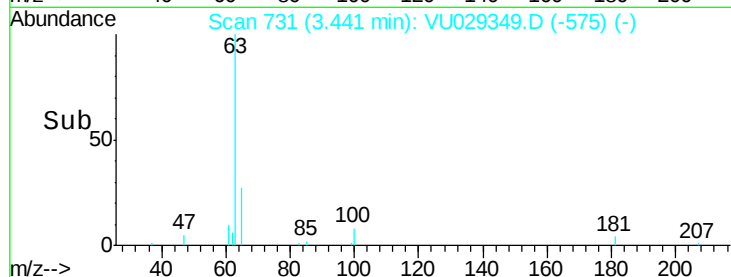
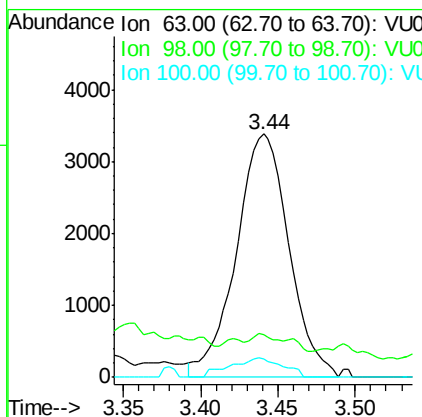
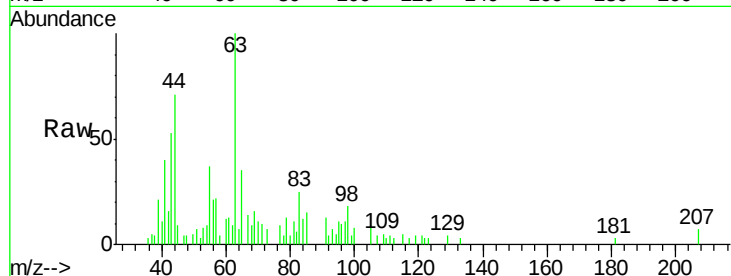
ClientSampleId :

MDL01

Tot Ion:	63	Resp:	8019
Ion Ratio	Lower	Upper	
63	100		
98	5.1	2.9	8.8
100	7.6	1.7	5.1#

Manual Integrations
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#18

2-Butanone

Concen: 1.033 ug/l

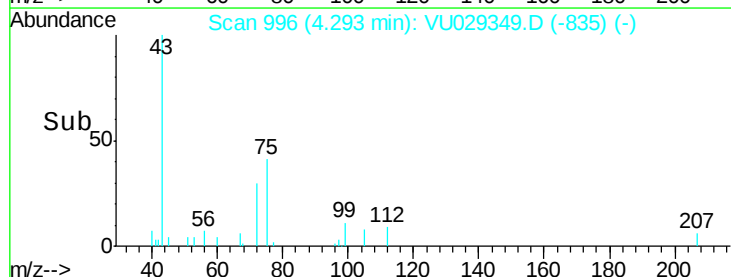
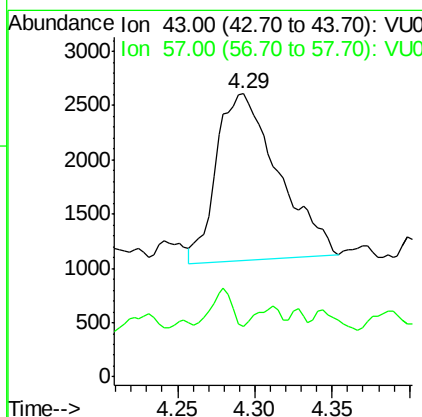
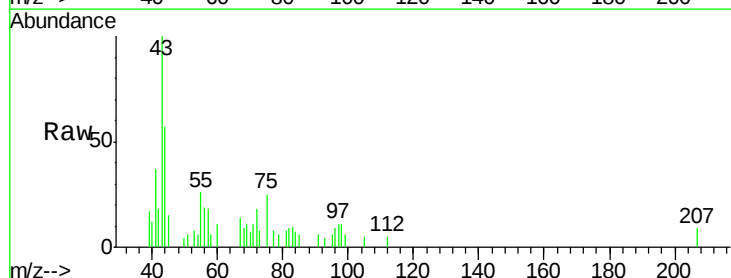
RT: 4.29 min Scan# 996

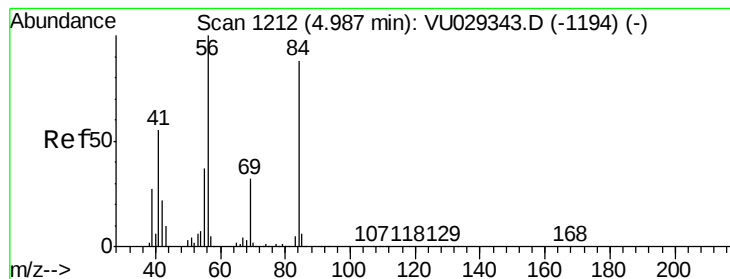
Delta R.T. 0.02 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	43	Resp:	4286
Ion Ratio	Lower	Upper	
43	100		
57	0.0	0.0	15.8





#19

Cyclohexane

Concen: 0.308 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 56 Resp: 8708

Ion Ratio Lower Upper

56 100

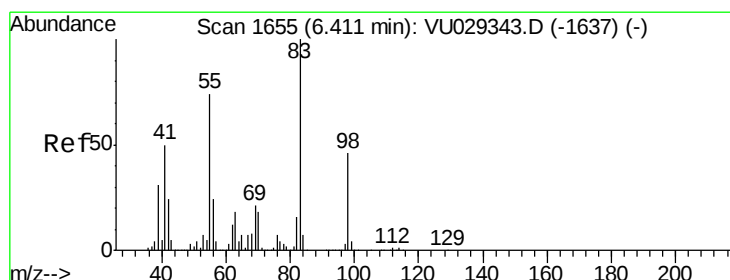
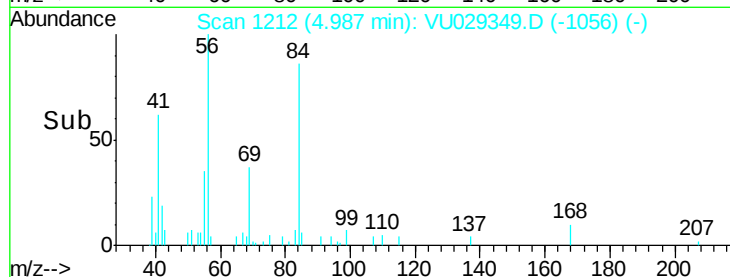
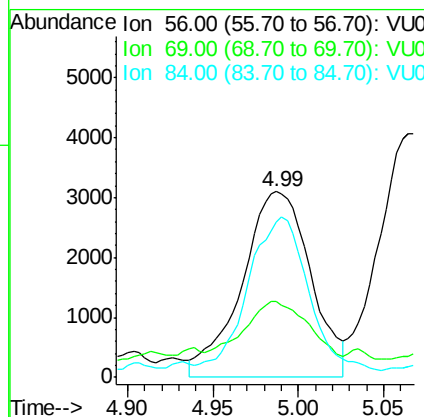
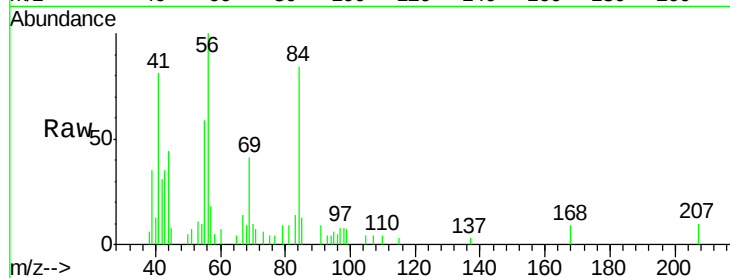
69 24.2 26.8 40.2#

84 68.5 71.5 107.3#

Manual Integrations
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#20

Methylcyclohexane

Concen: 0.288 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

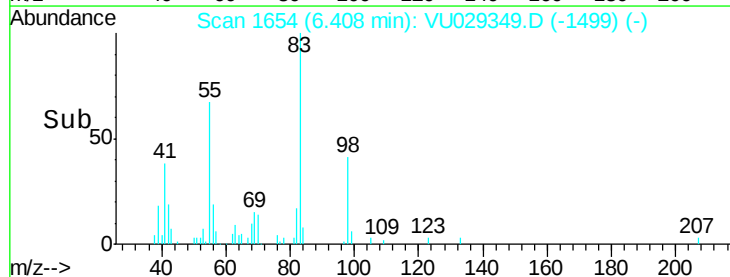
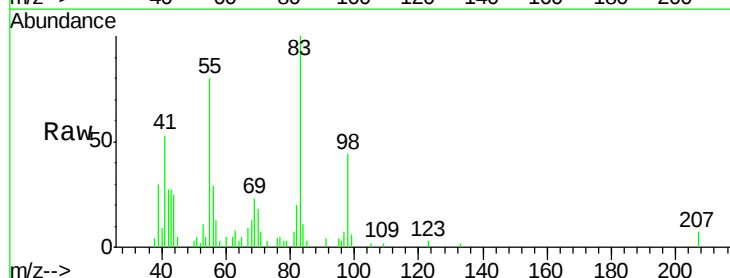
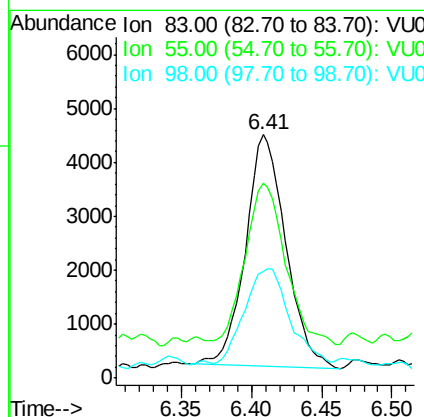
Tgt Ion: 83 Resp: 8533

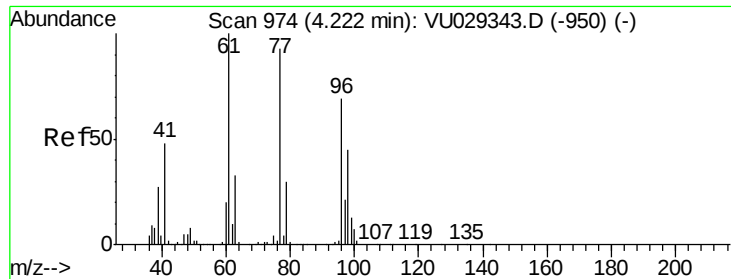
Ion Ratio Lower Upper

83 100

55 67.8 72.4 108.6#

98 44.8 36.6 54.8





#21

2,2-Dichloropropane

Concen: 0.338 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 77 Resp: 9519

Ion Ratio Lower Upper

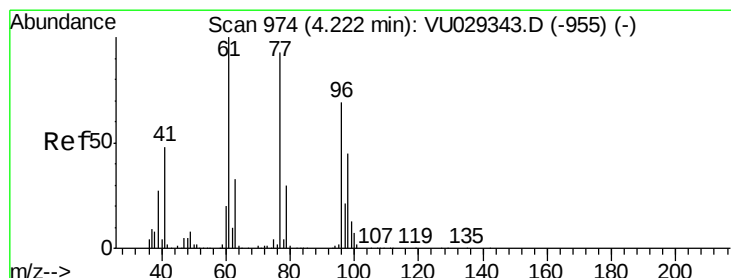
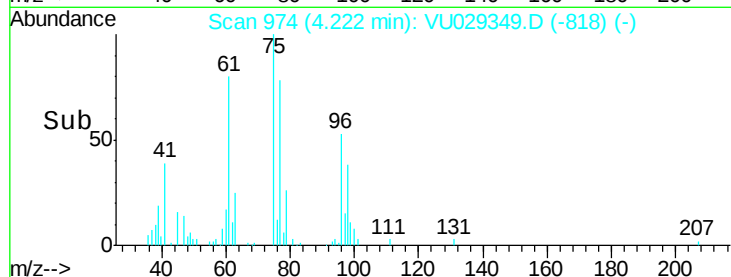
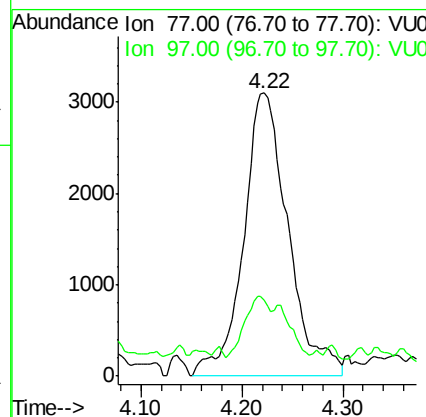
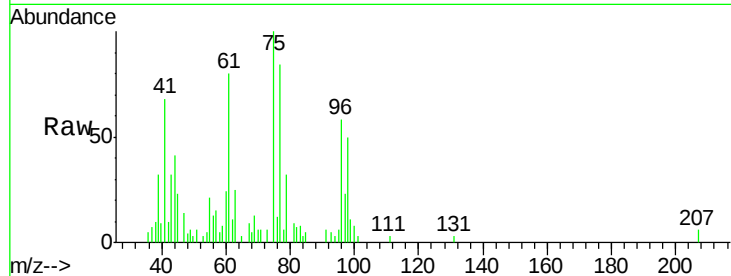
77 100

97 11.7 15.6 23.4#

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 0.276 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

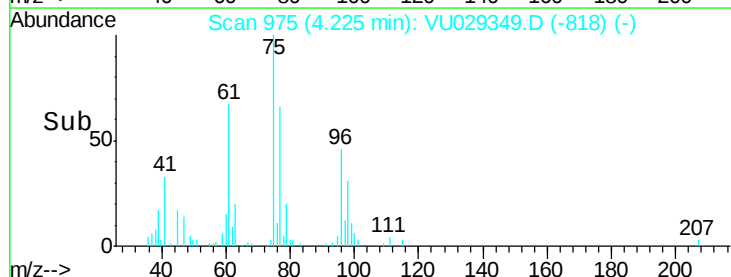
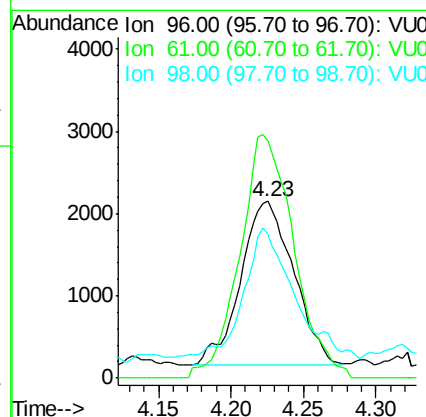
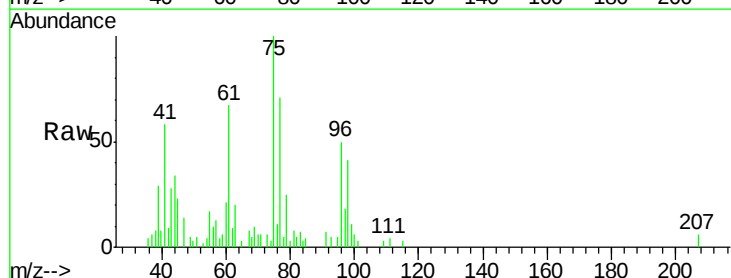
Tgt Ion: 96 Resp: 5005

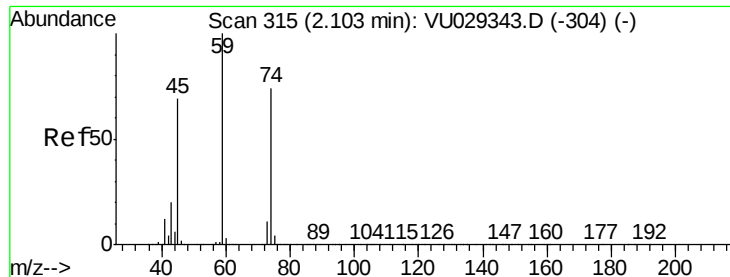
Ion Ratio Lower Upper

96 100

61 153.1 0.0 460.0

98 75.4 32.6 97.7





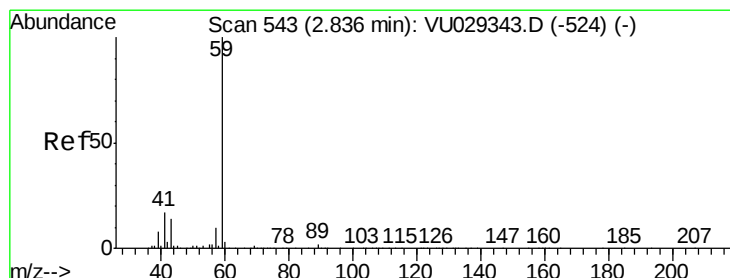
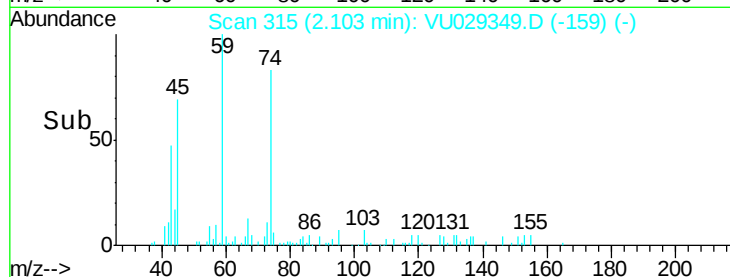
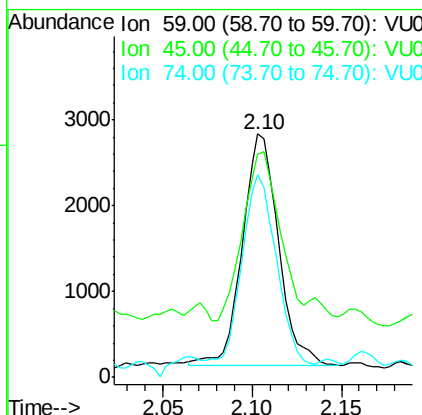
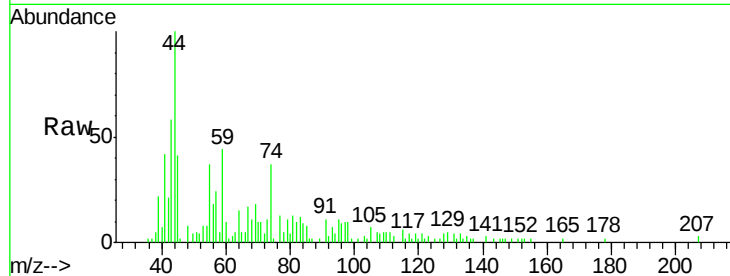
#23
Diethyl Ether
Concen: 0.278 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
59	100		
45	73.7	64.2	96.4
74	79.0	55.3	82.9

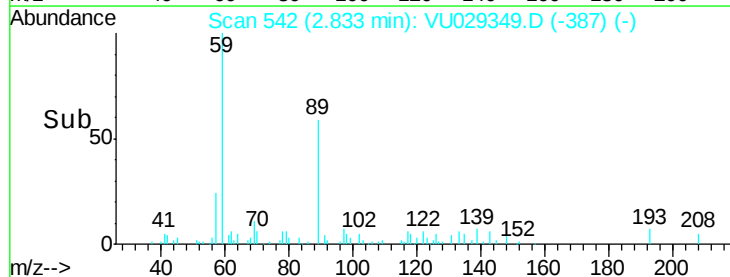
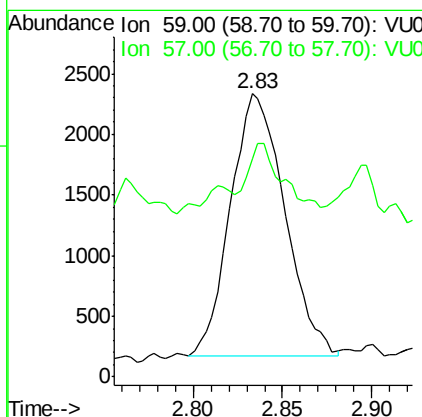
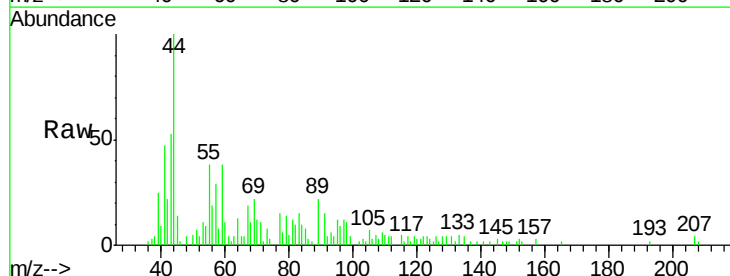
Manual Integrations
APPROVED

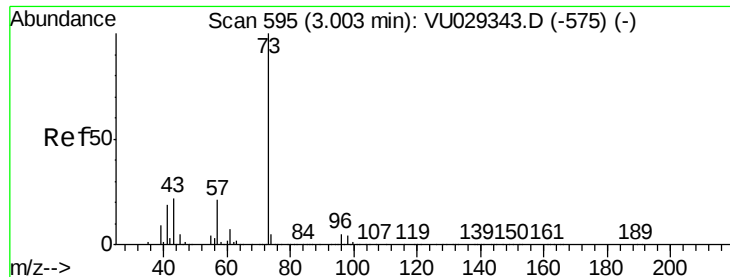
sam
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#24
tert-Butyl Alcohol
Concen: 3.191 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
59	100		
57	14.2	8.8	13.2#





#25

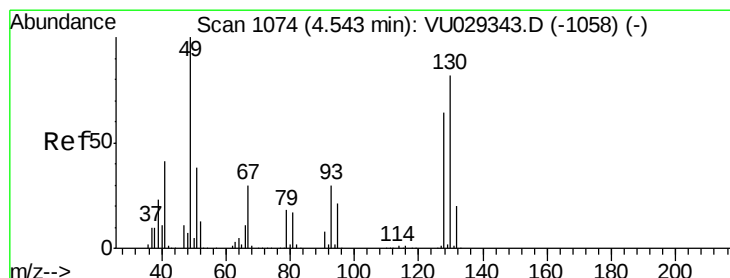
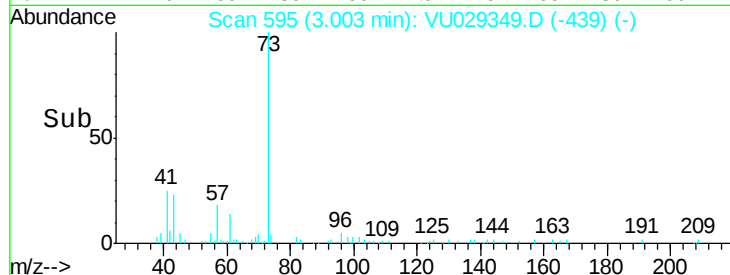
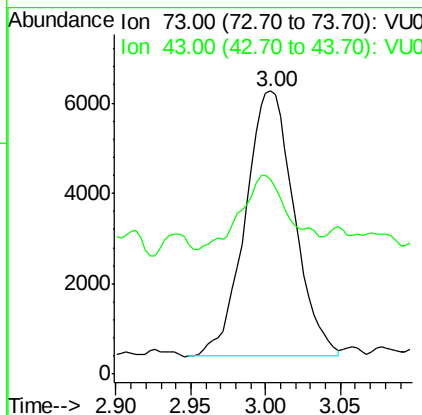
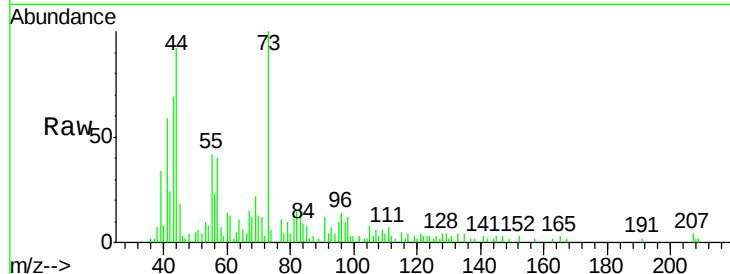
Methyl tert-Butyl Ether
 Concen: 0.276 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion: 73 Resp: 13362
 Ion Ratio Lower Upper
 73 100
 43 17.5 22.1 33.1#

Manual Integrations
 APPROVED

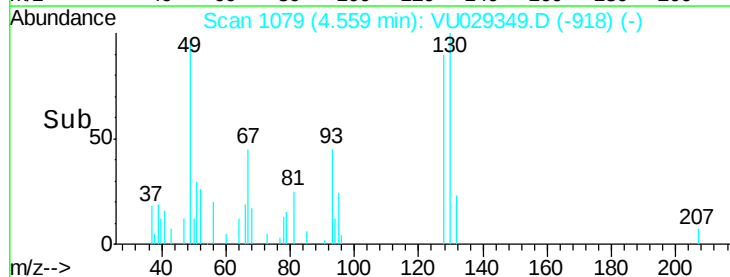
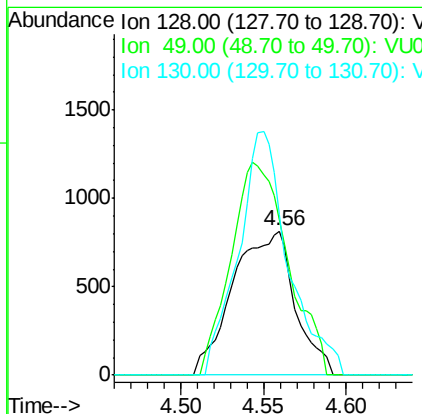
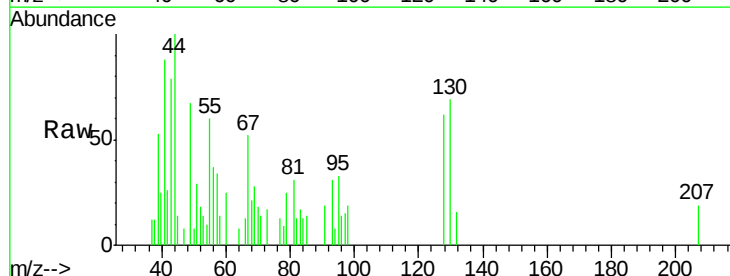
sam
 2/8/2019 2:26:39 PM

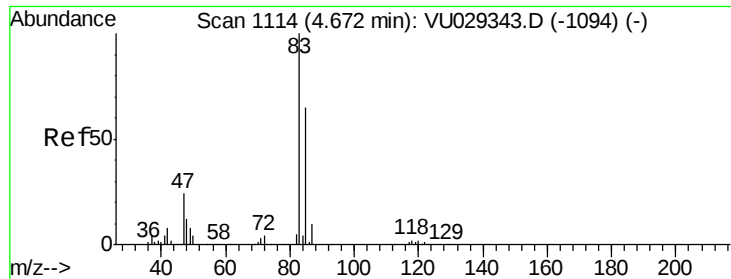


#26

Bromochloromethane
 Concen: 0.266 ug/l
 RT: 4.56 min Scan# 1079
 Delta R.T. 0.02 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion: 128 Resp: 2128
 Ion Ratio Lower Upper
 128 100
 49 136.6 0.0 401.6
 130 135.9 108.0 162.0





#27

Chloroform

Concen: 0.260 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 83 Resp: 7692

Ion Ratio Lower Upper

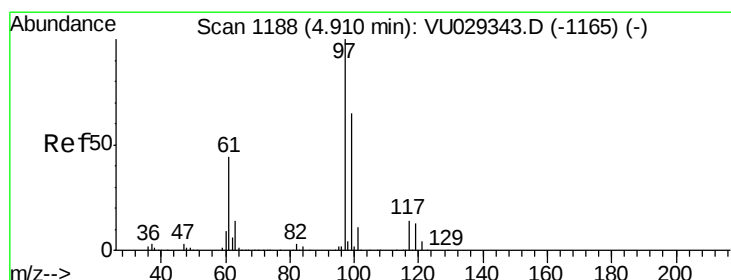
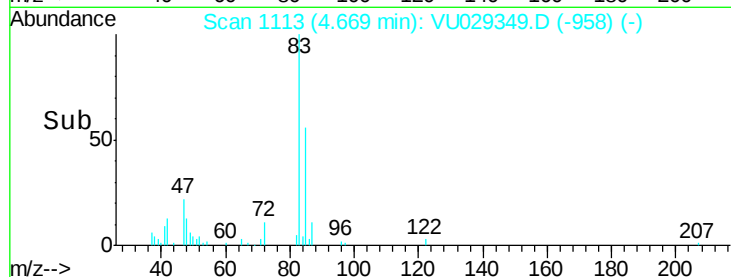
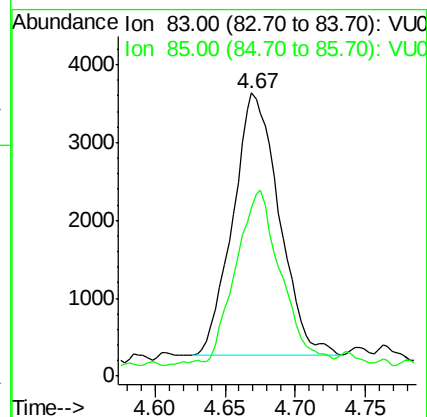
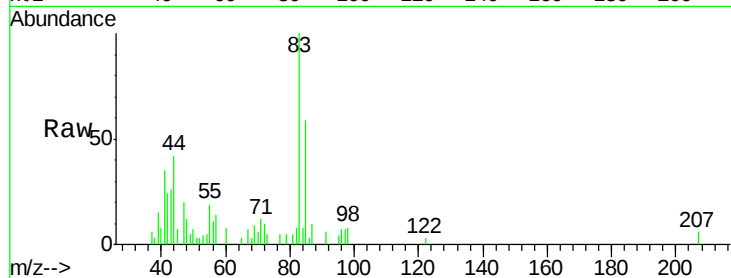
83 100

85 58.6 0.0 126.6

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sam

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#28

1,1,1-Trichloroethane

Concen: 0.272 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

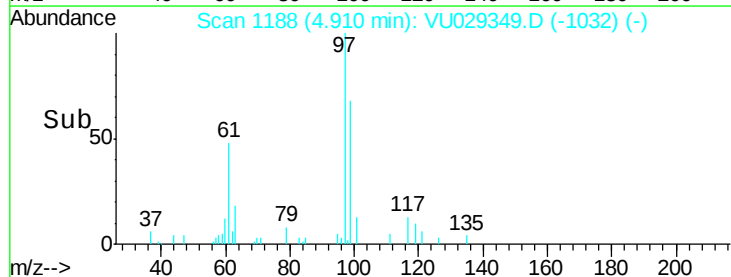
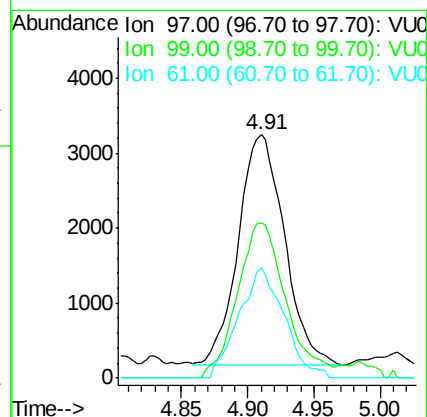
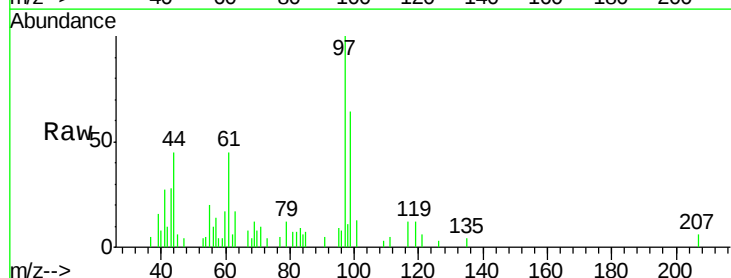
Tgt Ion: 97 Resp: 7472

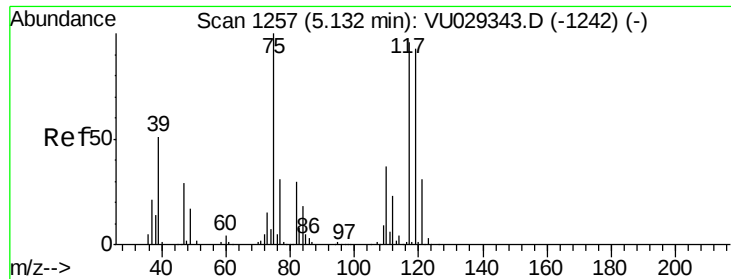
Ion Ratio Lower Upper

97 100

99 70.6 32.4 97.2

61 46.9 24.4 73.2





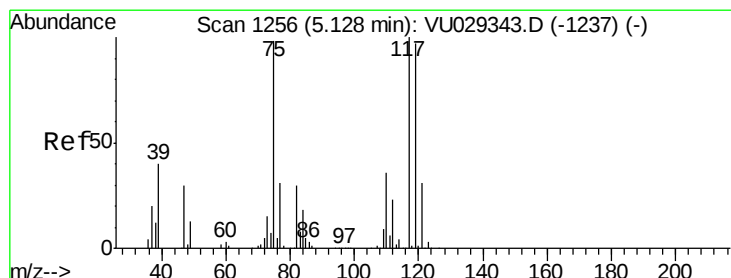
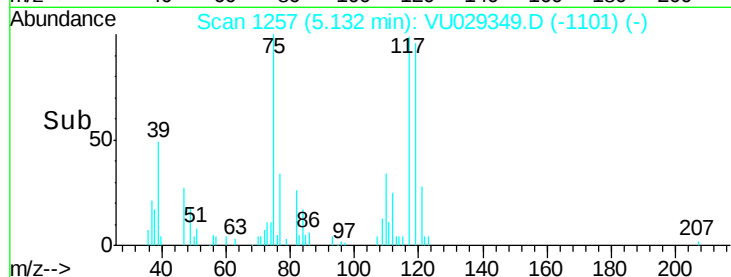
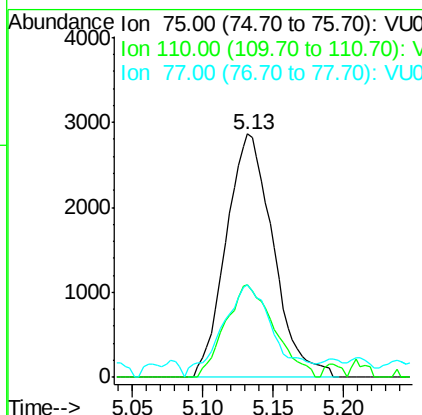
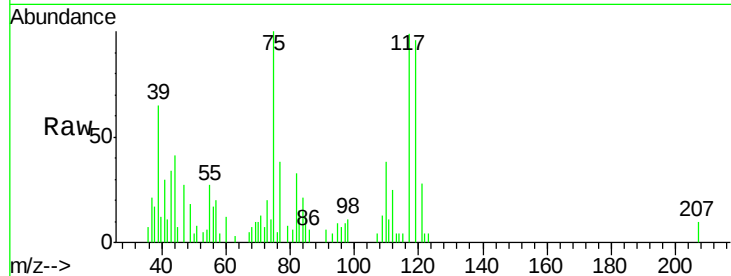
#29
 1,1-Dichloropropene
 Concen: 0.280 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	6685		
110	39.1	15.4	46.2	
77	41.5	24.1	36.1	

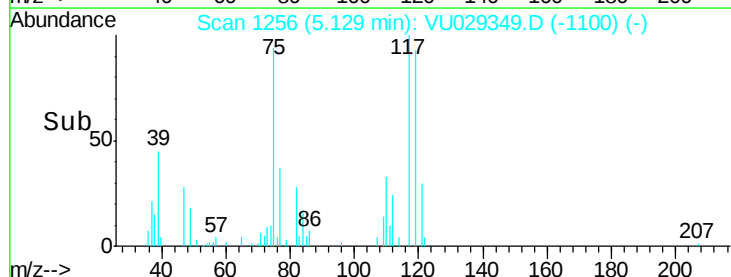
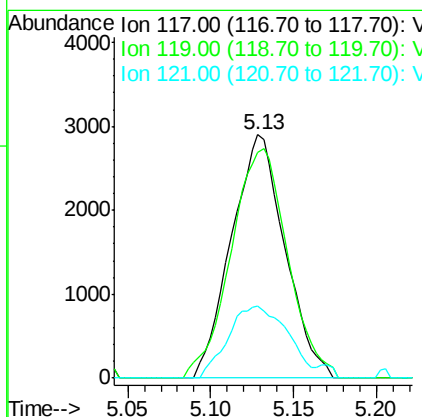
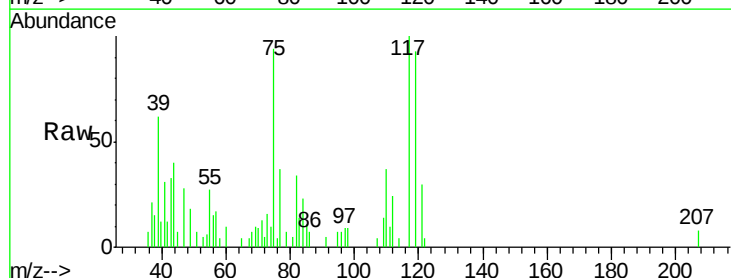
Manual Integrations
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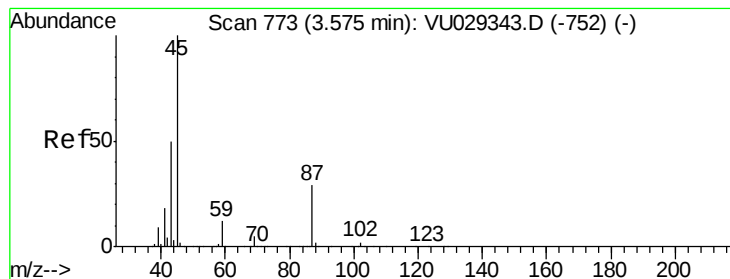
sam
 2/8/2019 2:26:39 PM



#30
 Carbon Tetrachloride
 Concen: 0.261 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	6494		
119	92.8	76.8	115.2	
121	29.8	24.4	36.6	





#31

Isopropyl Ether

Concen: 0.269 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 45 Resp: 12354

Ion Ratio Lower Upper

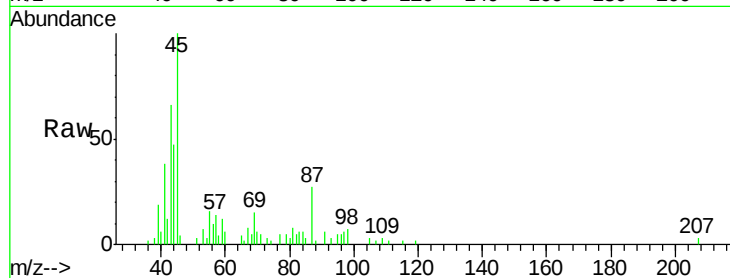
45 100

43 51.6 28.4 85.3

Manual Integrations
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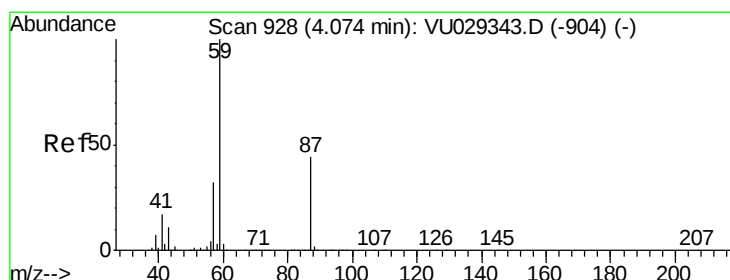
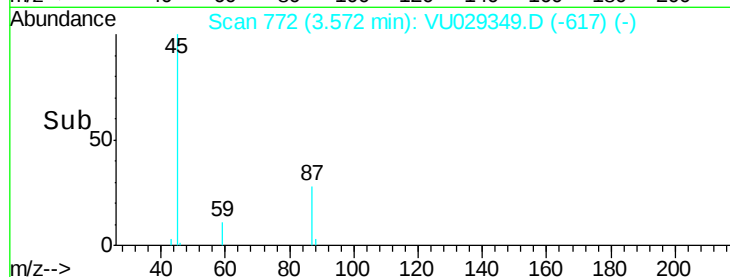
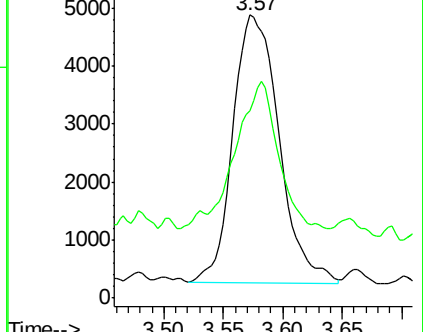
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU029343.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 0.262 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029349.D

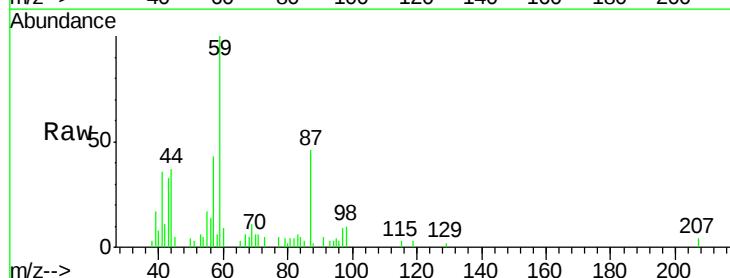
Acq: 05 Feb 2019 16:27

Tgt Ion: 59 Resp: 12050

Ion Ratio Lower Upper

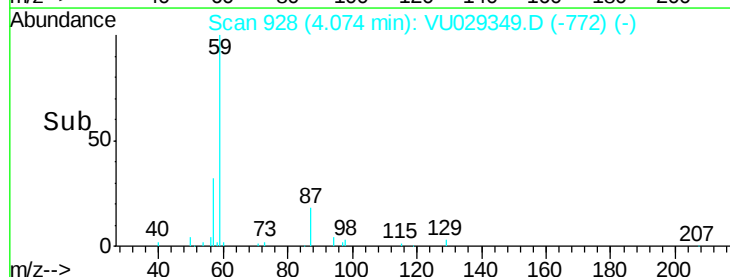
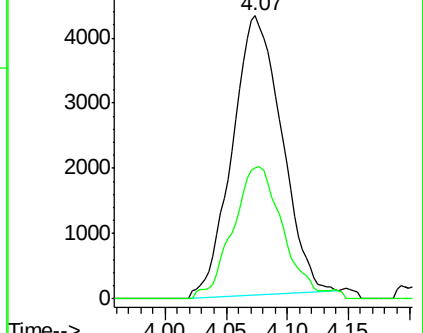
59 100

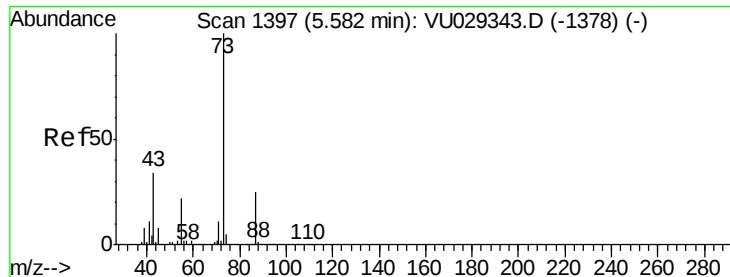
87 44.3 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)





#33

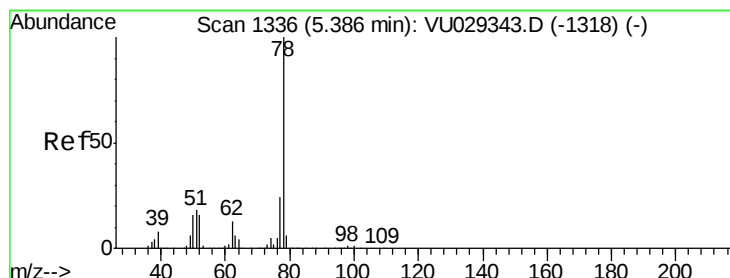
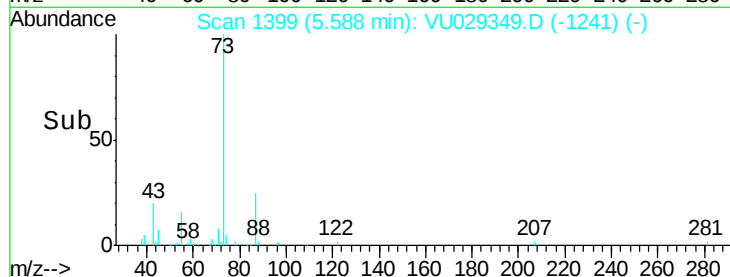
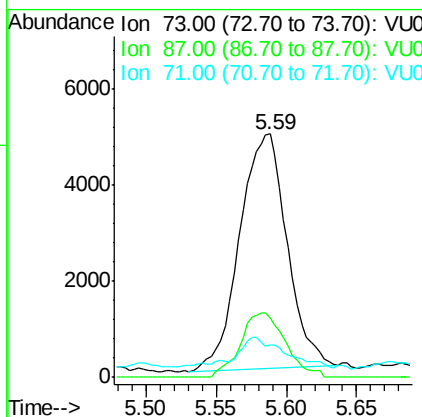
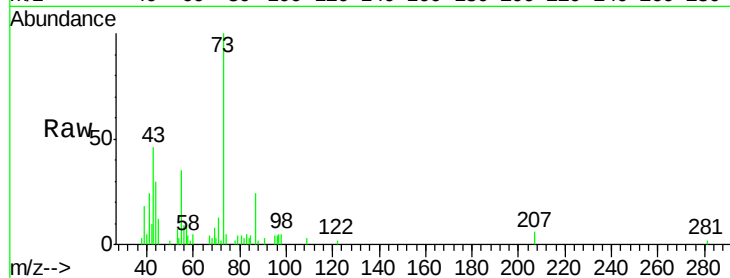
Tert-Butyl methyl ether
 Concen: 0.274 ug/l
 RT: 5.59 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
87	26.3	19.4	29.0
71	9.2	9.0	13.4

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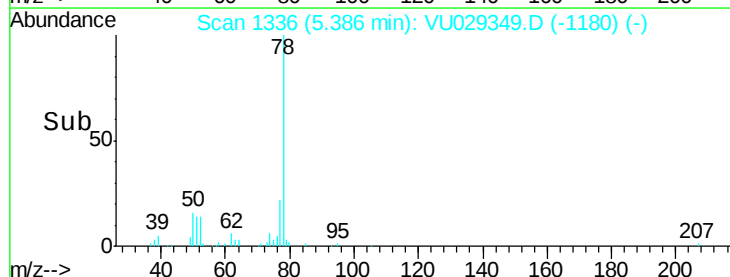
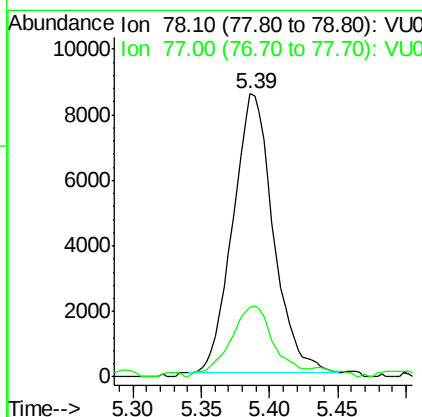
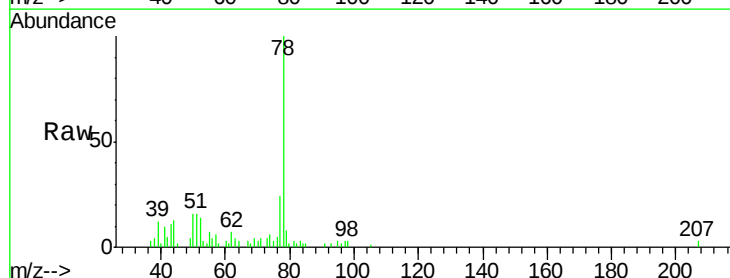
sam
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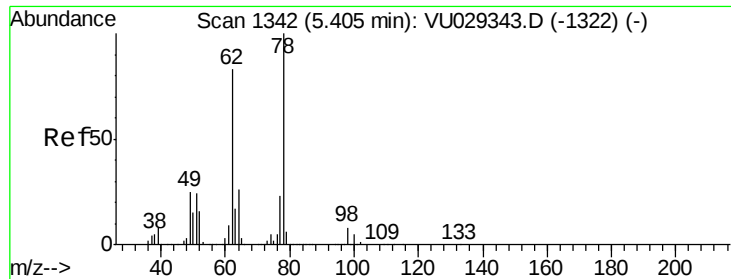


#35

Benzene
 Concen: 0.265 ug/l
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.8	29.8





#36

1,2-Dichloroethane

Concen: 0.252 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 62 Resp: 5032

Ion Ratio Lower Upper

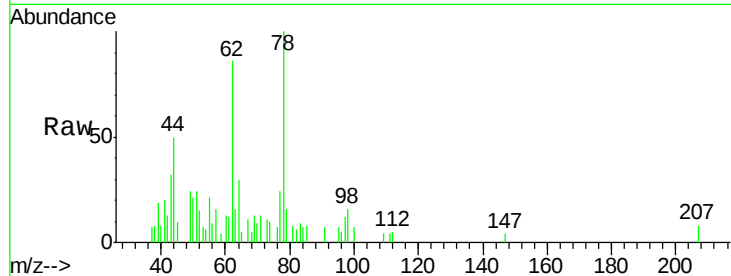
62 100

98 13.5 4.9 7.3#

Manual Integrations
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Abundance Ion 62.00 (61.70 to 62.70): VU029343.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-1322) (-)

5.41

2500

2000

1500

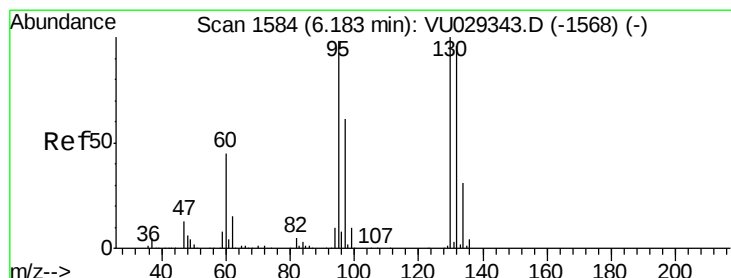
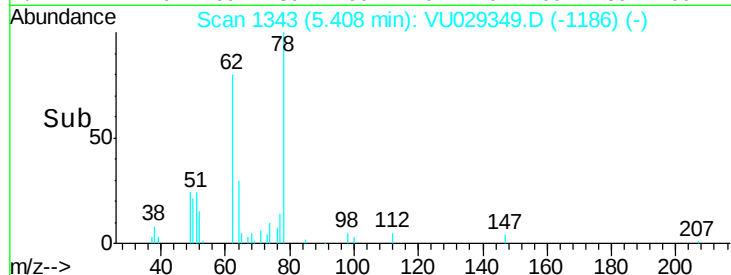
1000

500

0

5.35 5.40 5.45

Time-->



#37

Trichloroethene

Concen: 0.269 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029349.D

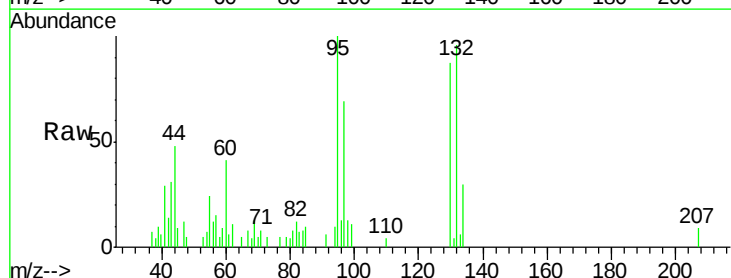
Acq: 05 Feb 2019 16:27

Tgt Ion:130 Resp: 5094

Ion Ratio Lower Upper

130 100

95 107.8 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

6.18

3000

2500

2000

1500

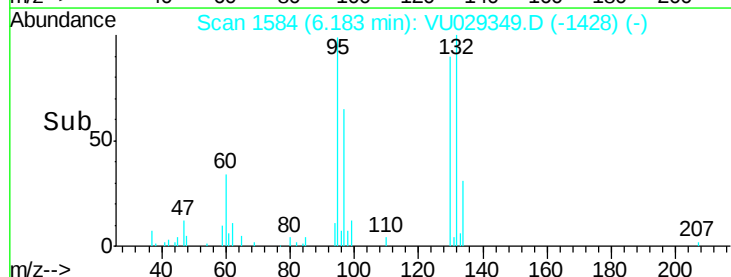
1000

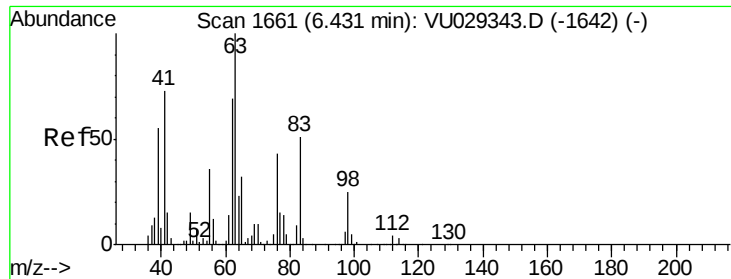
500

0

6.15 6.20 6.25

Time-->





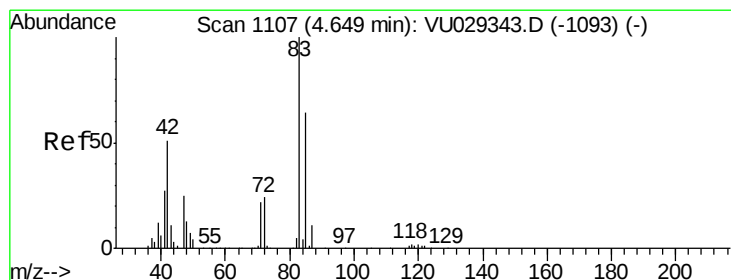
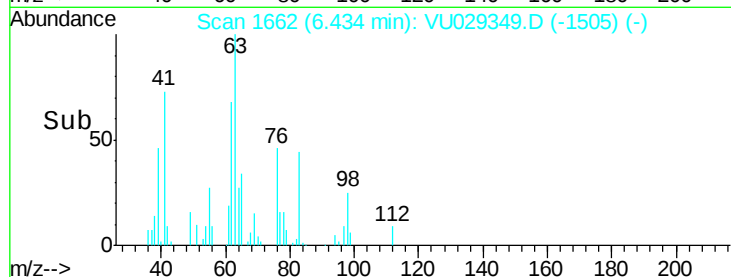
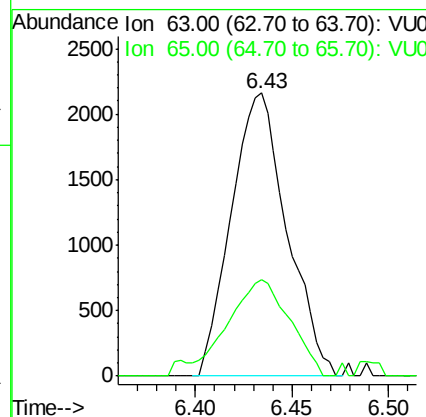
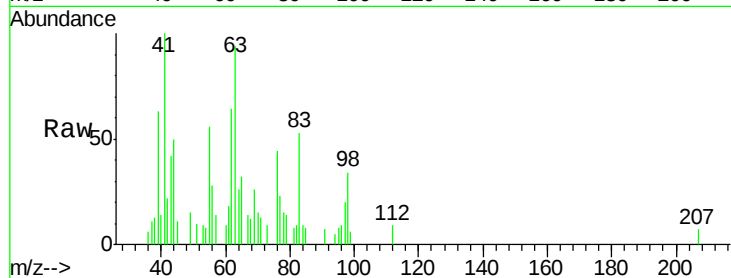
#38
 1,2-Dichloropropane
 Concen: 0.253 ug/l
 RT: 6.43 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion	63	Resp	4343
Ion Ratio	100	Lower	Upper
65	29.3	25.5	38.3

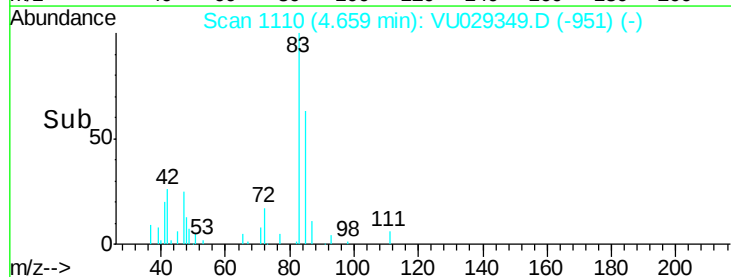
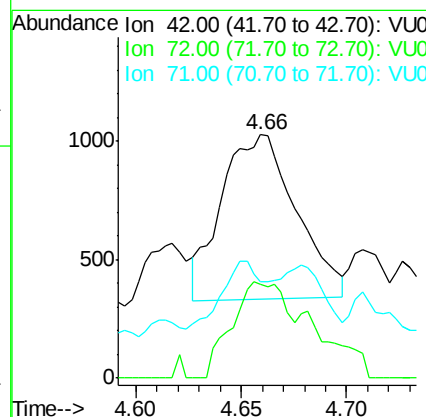
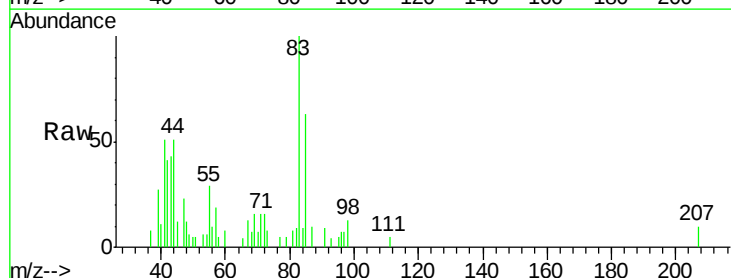
Manual Integrations
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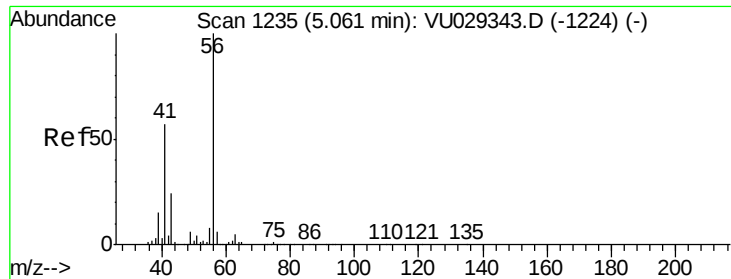
sam
 2/8/2019 2:26:39 PM



#41
 Tetrahydrofuran
 Concen: 0.608 ug/l
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion	42	Resp	1711
Ion Ratio	100	Lower	Upper
72	43.2	33.1	49.7
71	22.1	30.2	45.2#





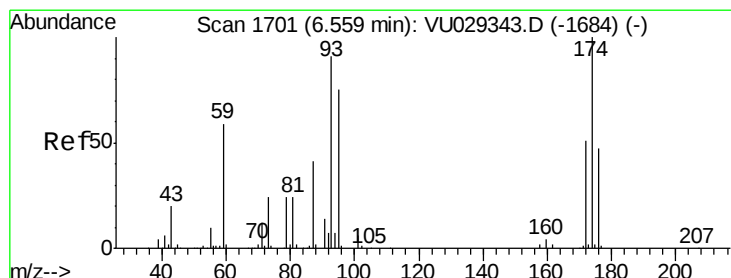
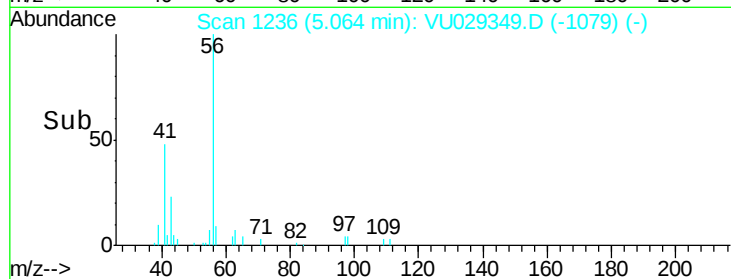
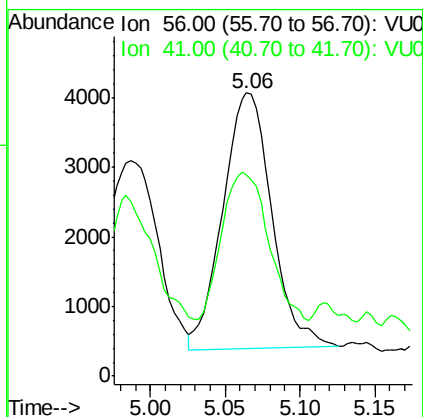
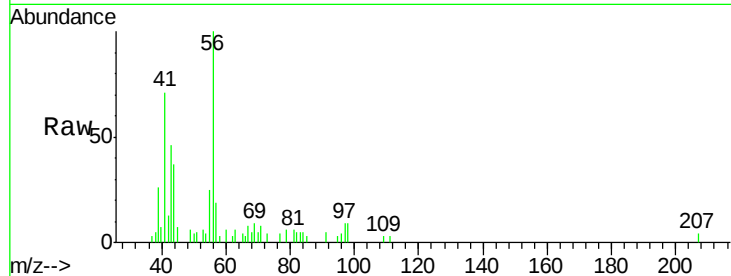
#42
1-Chlorobutane
Concen: 0.261 ug/l
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
41	59.2	31.3	93.8

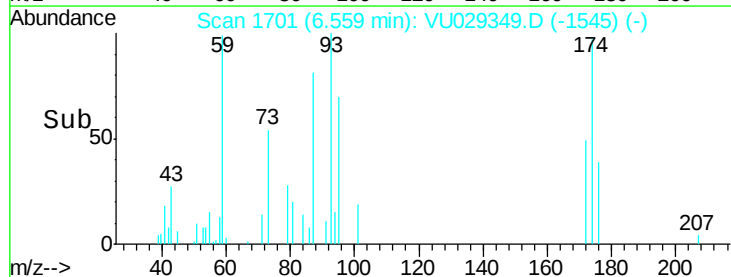
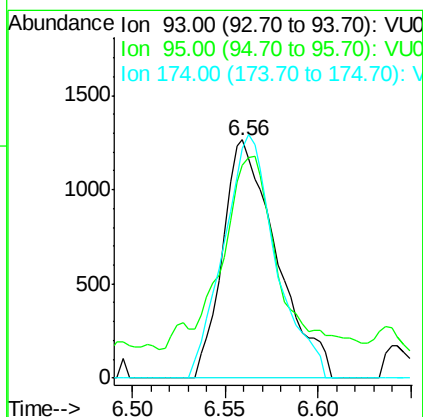
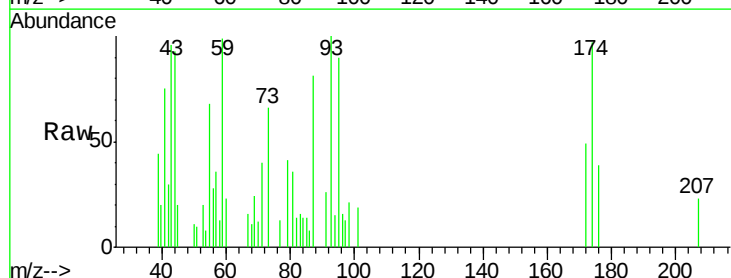
Manual Integrations
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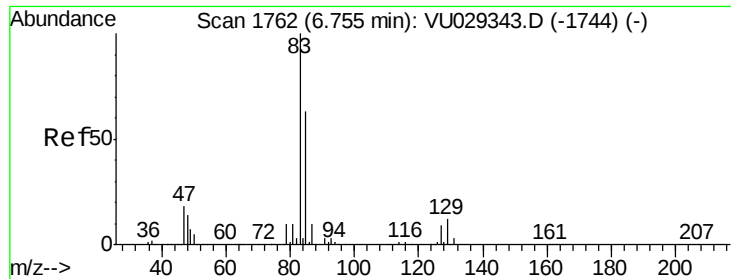
sam
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#43
Dibromomethane
Concen: 0.279 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	95.2	68.2	102.2
174	99.2	77.6	116.4





#44

Bromodichloromethane

Concen: 0.265 ug/l

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

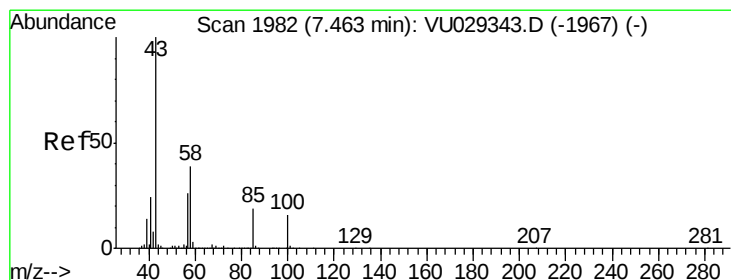
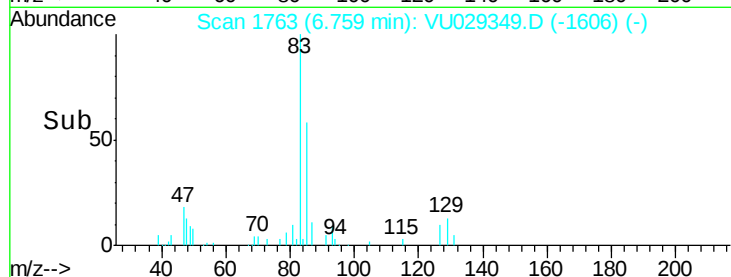
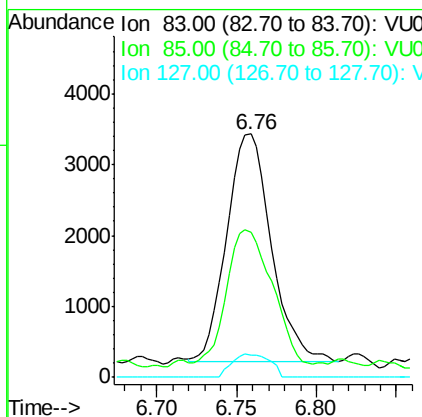
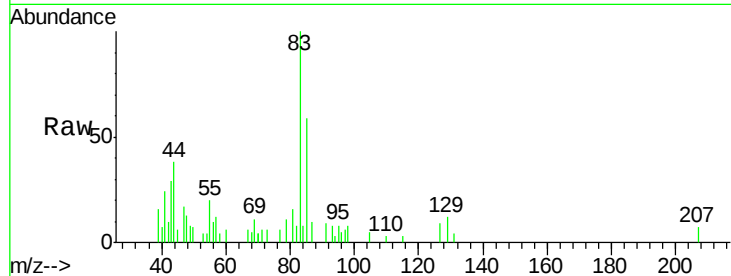
ClientSampleId :

MDL01

Tot Ion:	83	Resp:	6160
Ion	Ratio	Lower	Upper
83	100		
85	57.1	49.2	73.8
127	9.7	7.0	10.6

Manual Integrations
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sam
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#45

4-Methyl-2-Pentanone

Concen: 1.352 ug/l

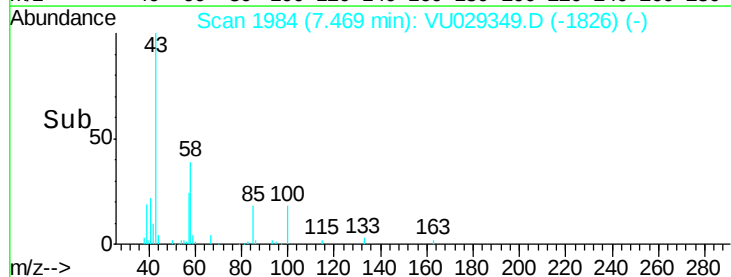
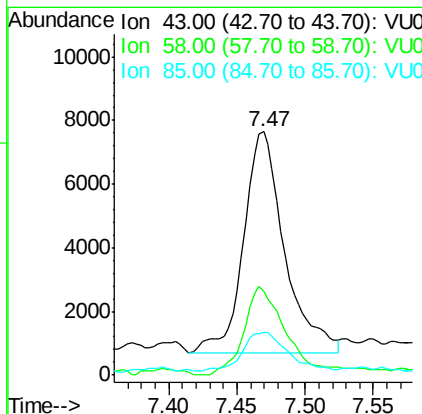
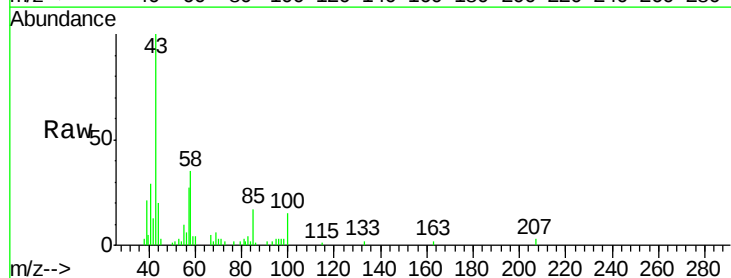
RT: 7.47 min Scan# 1984

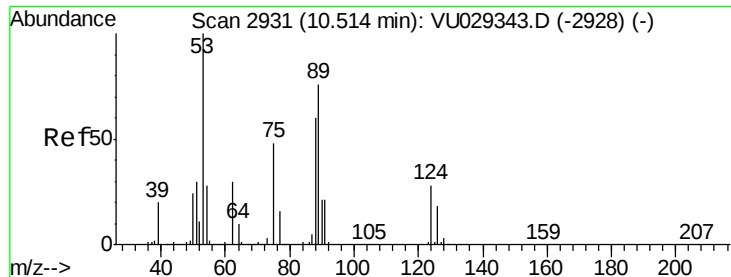
Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	43	Resp:	14483
Ion	Ratio	Lower	Upper
43	100		
58	43.8	17.6	52.8
85	19.2	12.3	18.5#





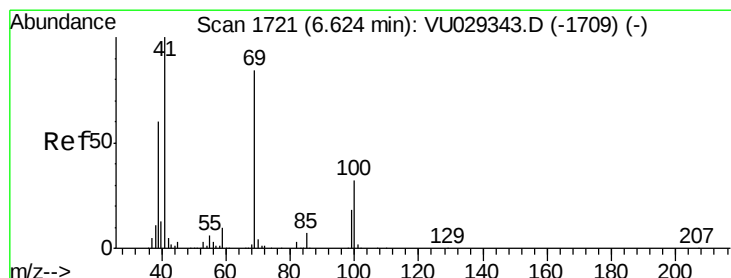
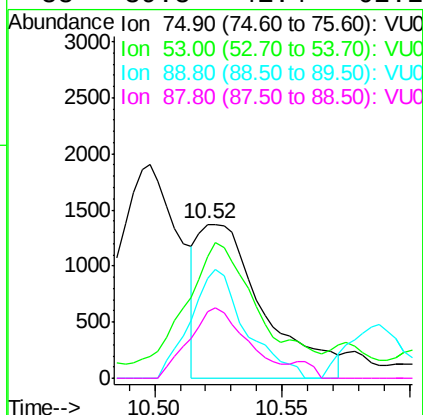
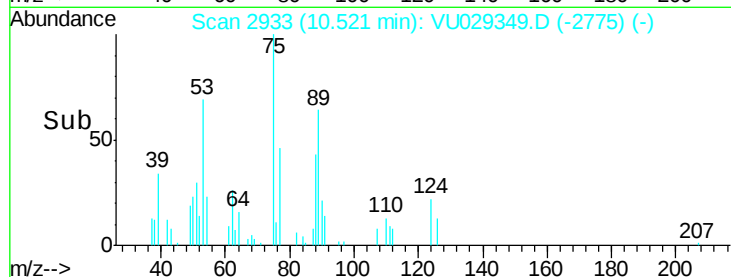
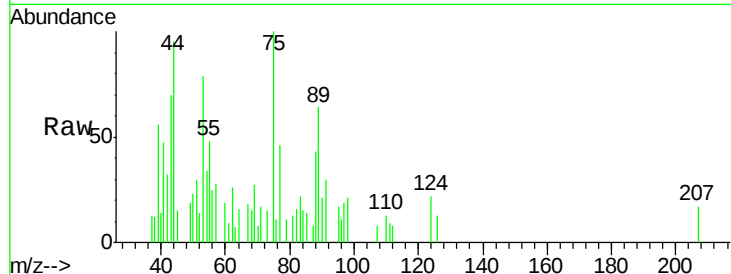
#46
t-1,4-Dichloro-2-butene
Concen: 0.472 ug/l m
RT: 10.52 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	78.2	117.4
89	59.3	44.2	66.4
88	39.8	41.4	62.2#

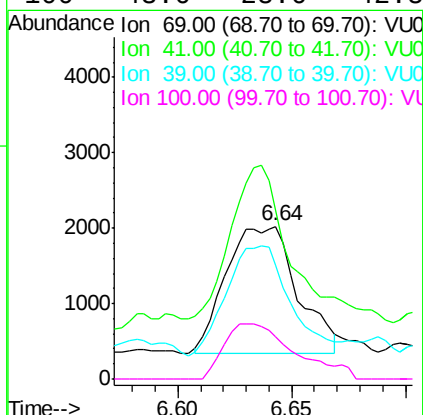
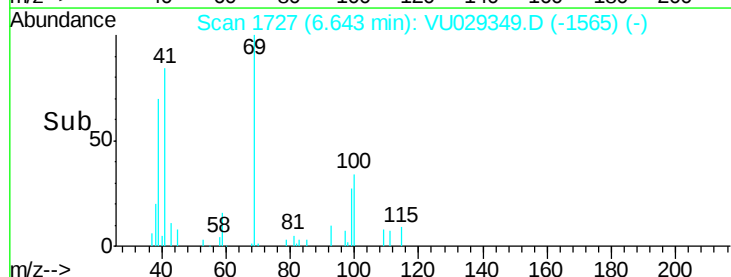
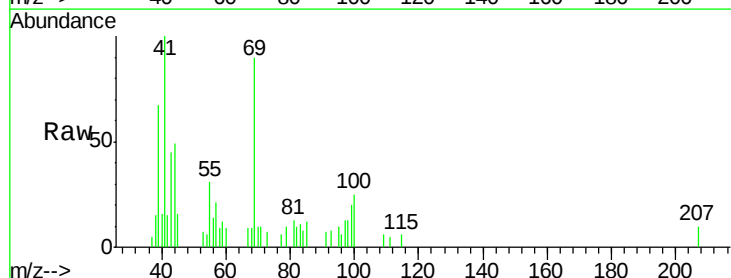
Manual Integrations
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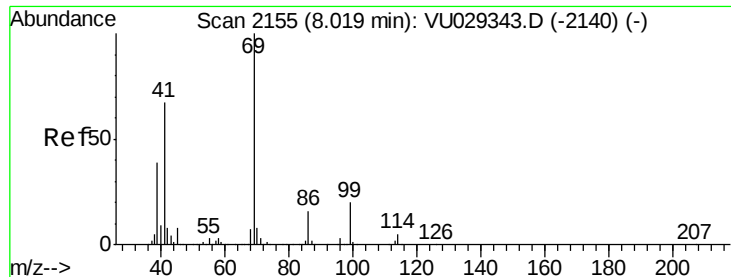
sam
2/8/2019 2:26:39 PM



#47
Methyl methacrylate
Concen: 0.451 ug/l m
RT: 6.64 min Scan# 1727
Delta R.T. 0.02 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	109.0	0.0	296.2
39	78.5	71.2	106.8
100	43.6	28.6	42.8#





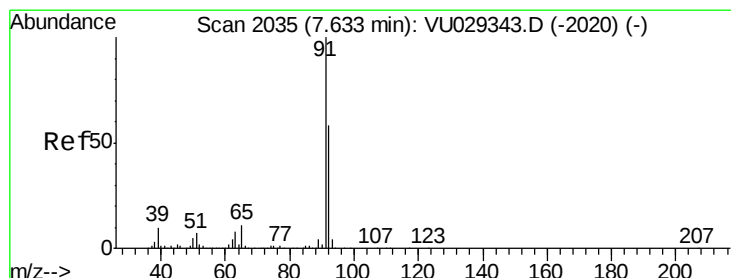
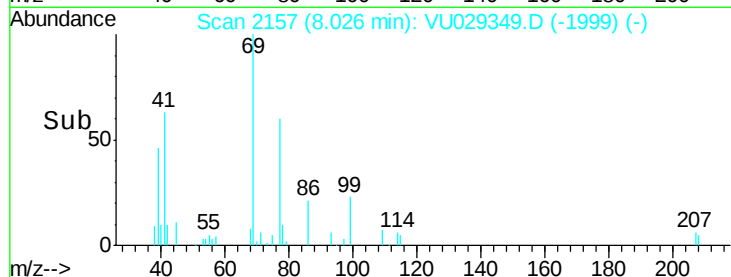
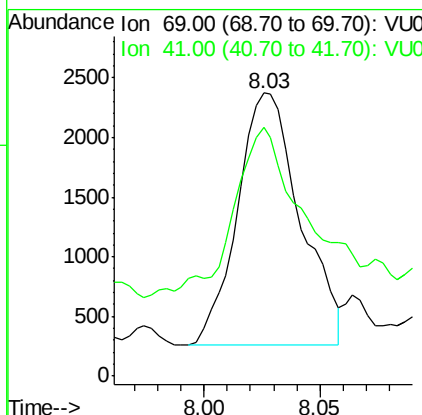
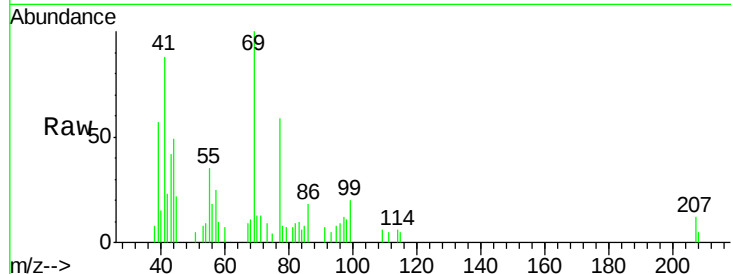
#48
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	69.00	Resp	3967
Ion	Ratio	Lower	Upper
69	100		
41	78.5	39.9	119.7

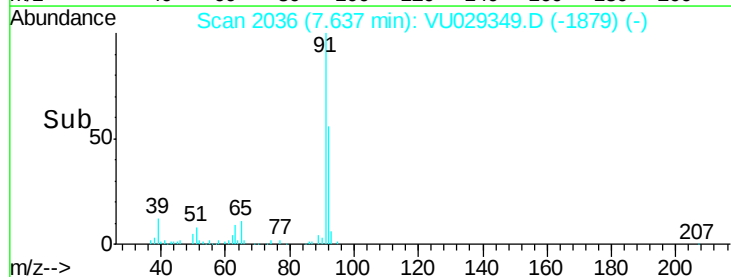
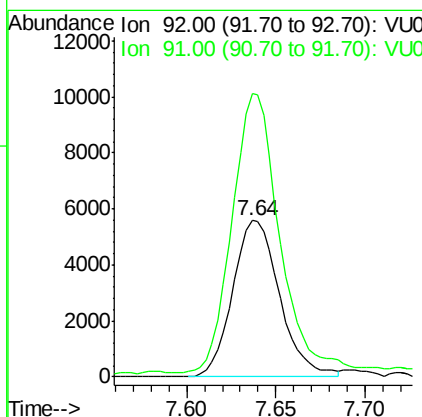
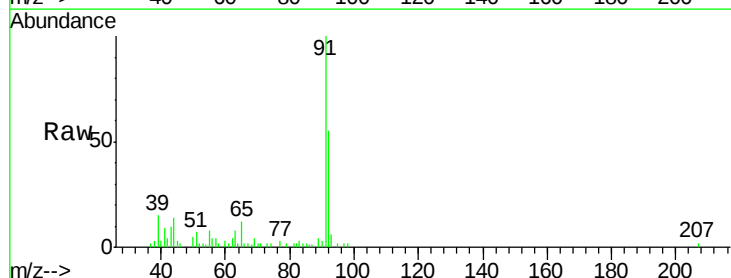
Manual Integrations
APPROVED

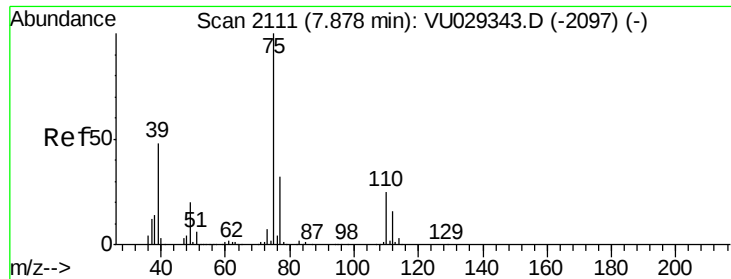
sam
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#49
Toluene
Concen: 0.243 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	92.00	Resp	10268
Ion	Ratio	Lower	Upper
92	100		
91	179.5	140.7	211.1





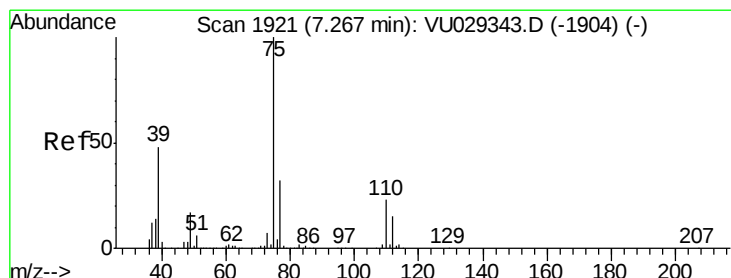
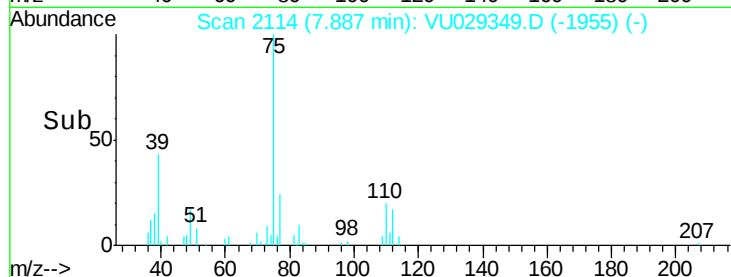
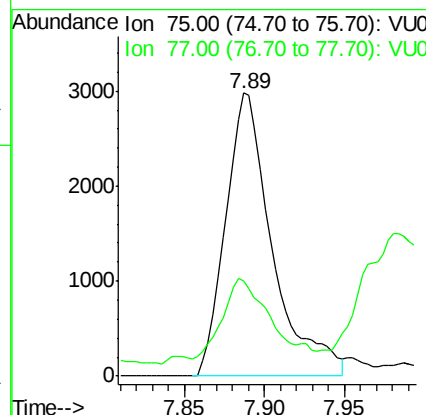
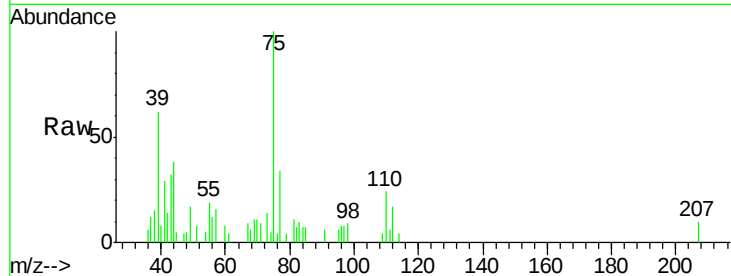
#50
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 7.89 min Scan# 2114
Delta R.T. 0.01 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion: 75 Resp: 5968
Ion Ratio Lower Upper
75 100
77 27.6 23.6 35.4

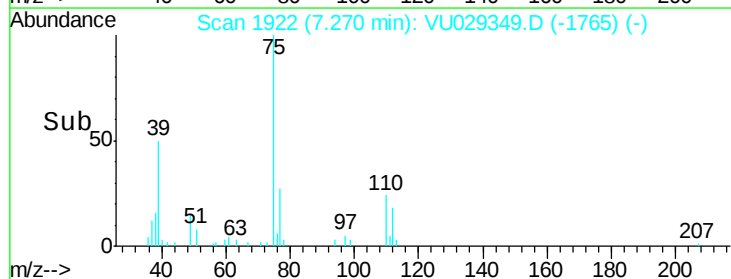
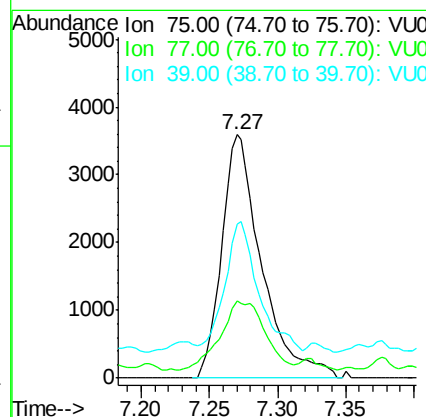
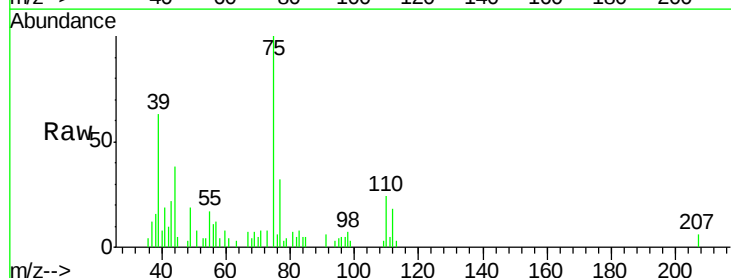
Manual Integrations
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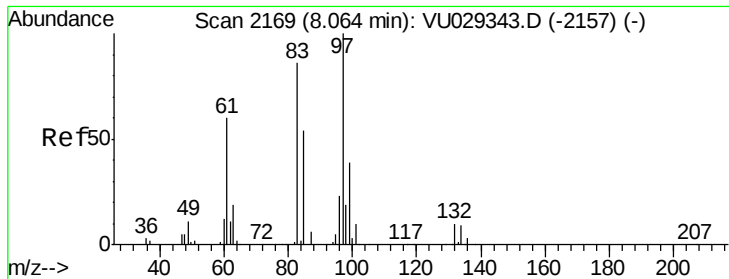
sam
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#51
cis-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion: 75 Resp: 7251
Ion Ratio Lower Upper
75 100
77 27.7 24.9 37.3
39 51.9 47.2 70.8





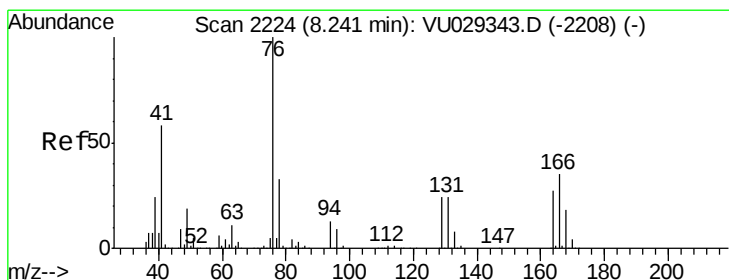
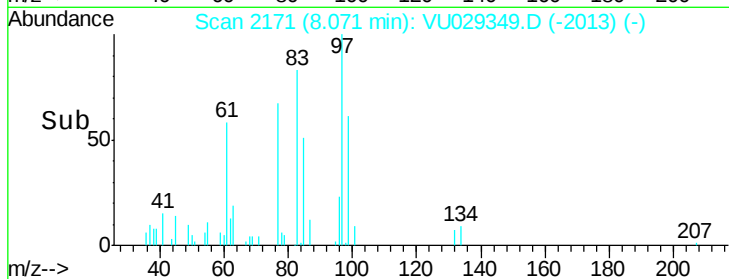
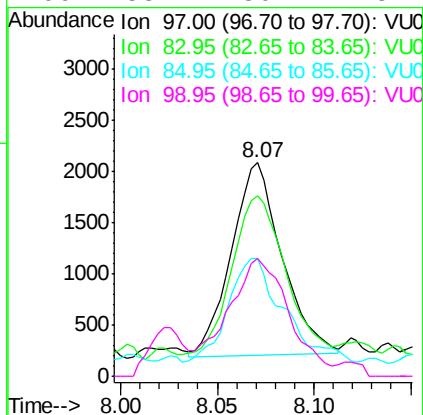
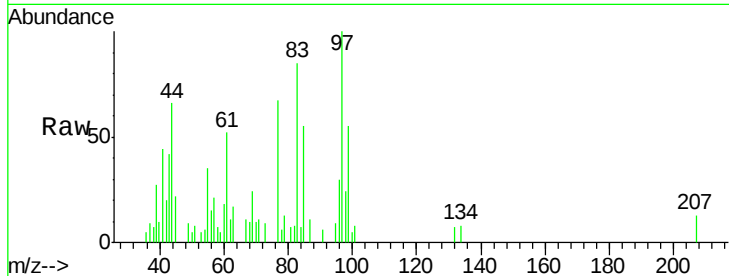
#52
 1,1,2-Trichloroethane
 Concen: 0.283 ug/l
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion:	97	Resp:	3424
Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.9	104.9
85	54.2	45.8	68.6
99	55.4	50.2	75.2

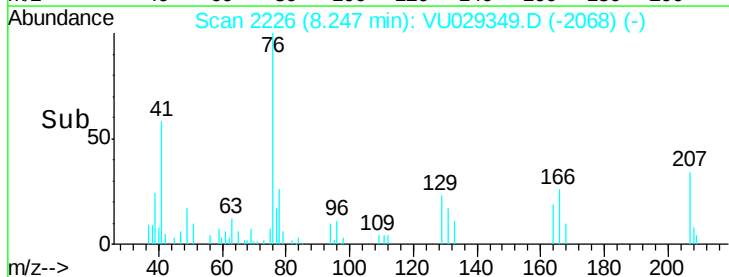
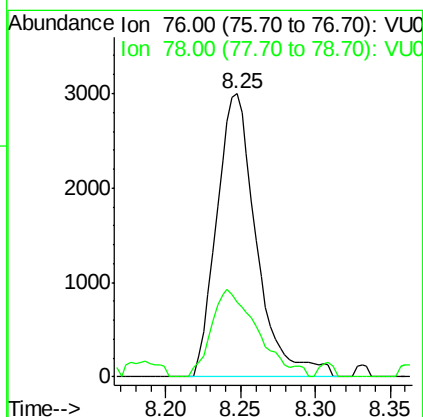
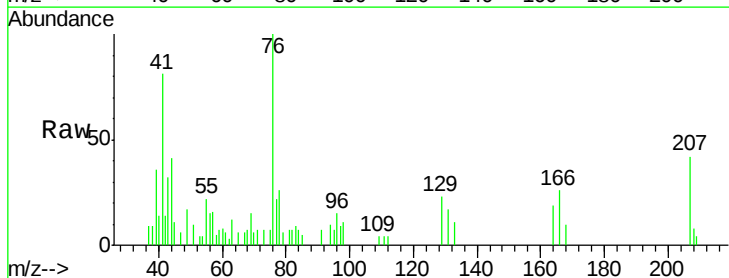
Manual Integrations
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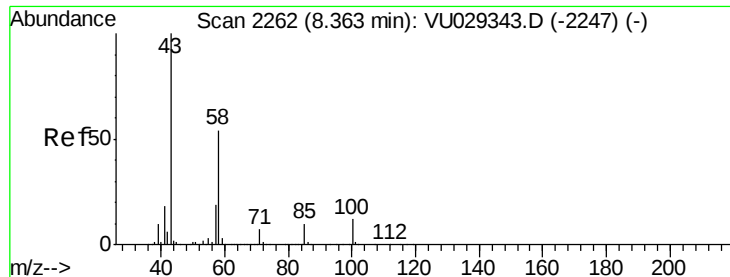
sam
 2/8/2019 2:26:39 PM



#53
 1,3-Dichloropropane
 Concen: 0.261 ug/l
 RT: 8.25 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion:	76	Resp:	5537
Ion	Ratio	Lower	Upper
76	100		
78	35.9	26.3	39.5





#54

2-Hexanone

Concen: 1.122 ug/l

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU029349.D

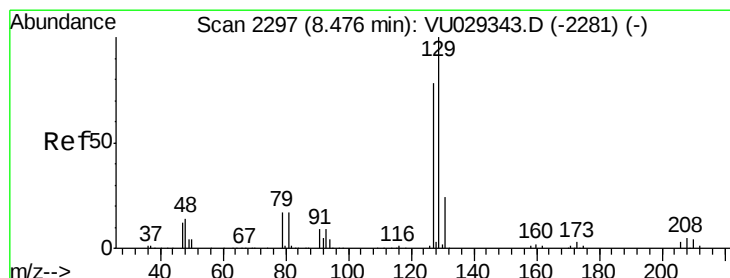
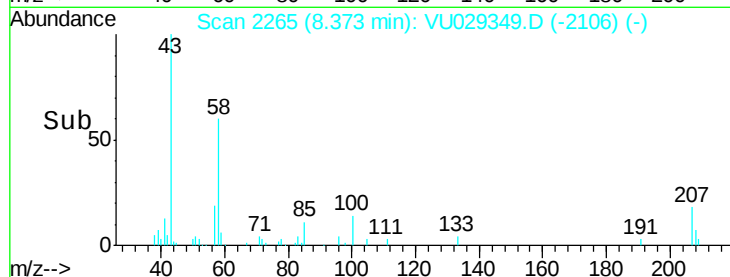
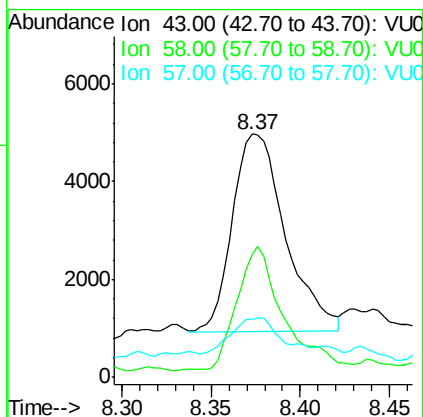
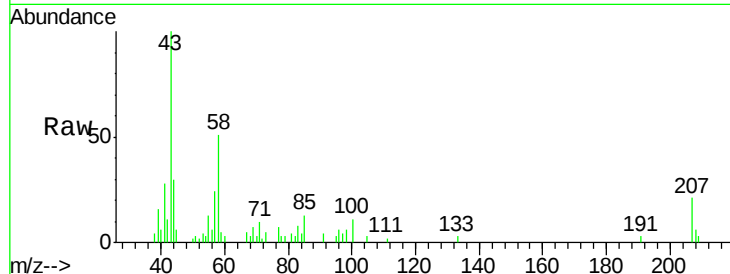
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion:	43	Resp:	8427
Ion	Ratio	Lower	Upper
43	100		
58	54.4	26.0	66.0
57	15.9	0.0	37.7

Manual Integrations
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#55

Dibromochloromethane

Concen: 0.264 ug/l

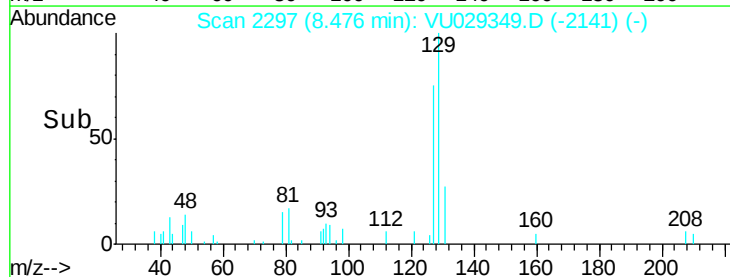
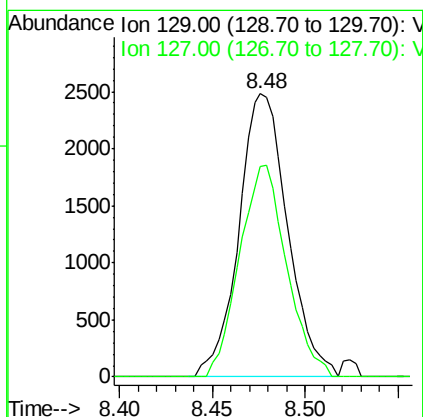
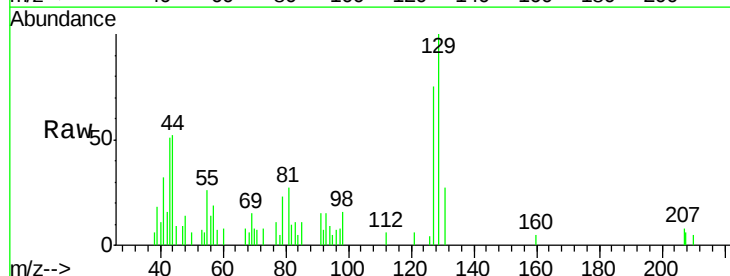
RT: 8.48 min Scan# 2297

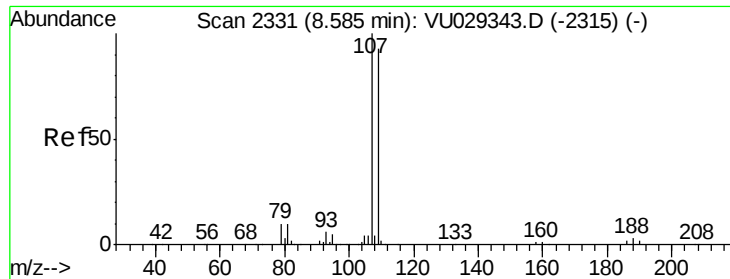
Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	129	Resp:	4535
Ion	Ratio	Lower	Upper
129	100		
127	72.3	60.5	90.7





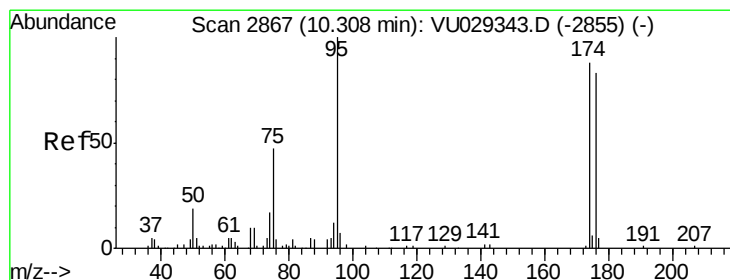
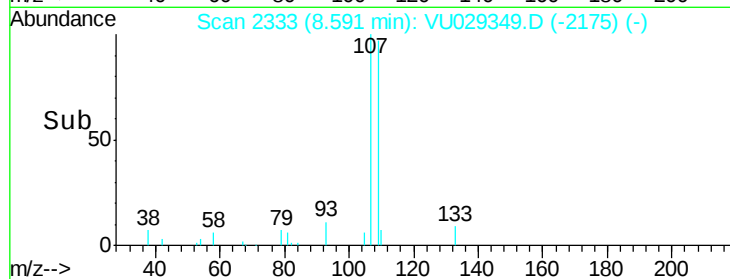
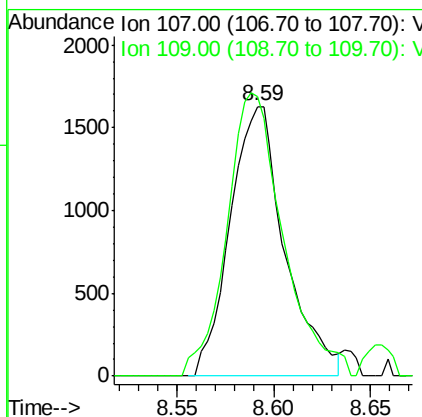
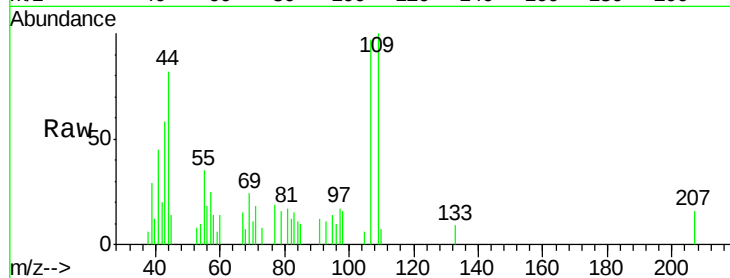
#56
 1,2-Dibromoethane
 Concen: 0.259 ug/l
 RT: 8.59 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3209		
109	107.9	0.0	189.6	

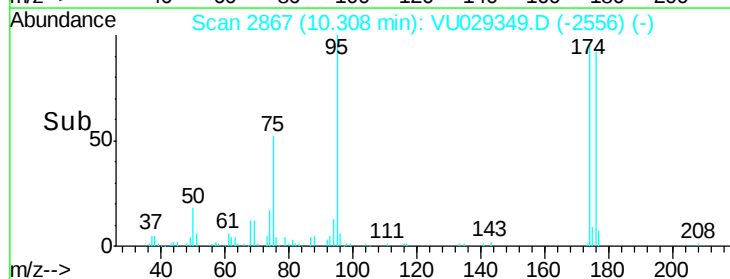
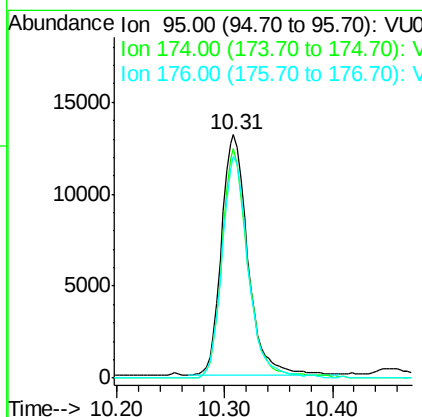
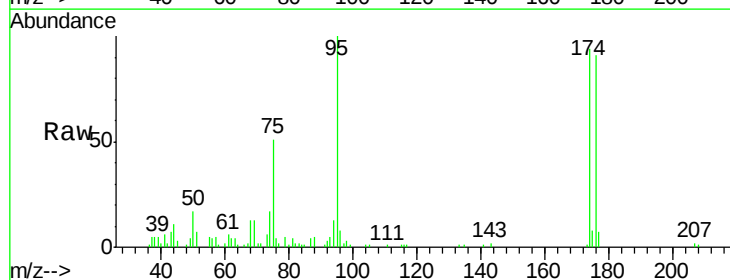
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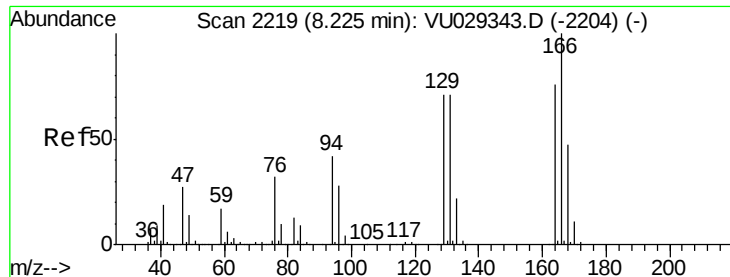
sam
 2/8/2019 2:26:39 PM



#57
 4-Bromofluorobenzene
 Concen: 0.259 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	22431		
174	91.6	64.2	96.2	
176	90.8	62.3	93.5	





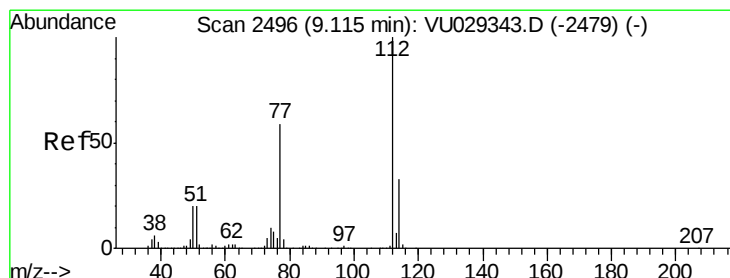
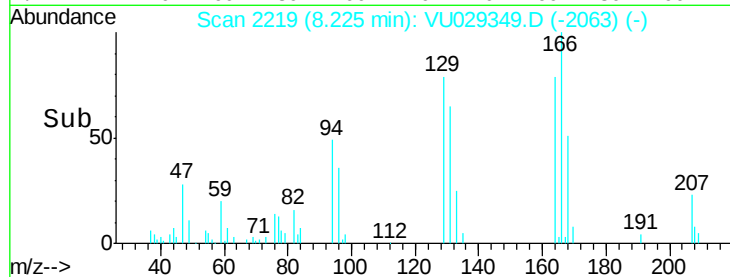
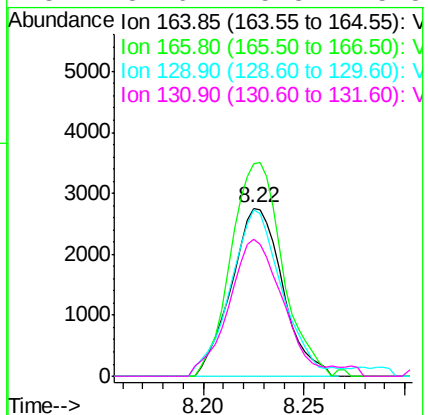
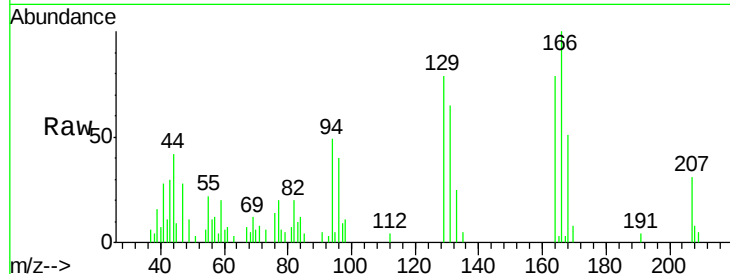
#58
 Tetrachloroethene
 Concen: 0.278 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion:	164	Resp:	4887
Ion	Ratio	Lower	Upper
164	100		
166	125.9	106.6	159.8
129	99.1	79.9	119.9
131	81.6	75.8	113.8

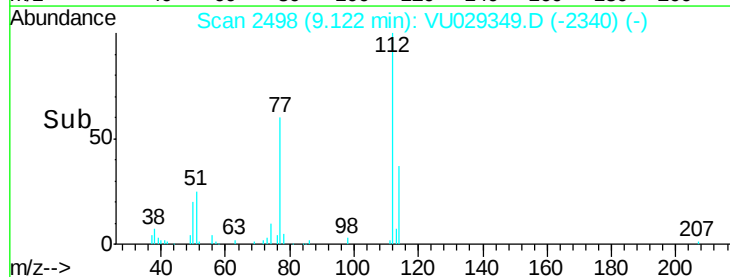
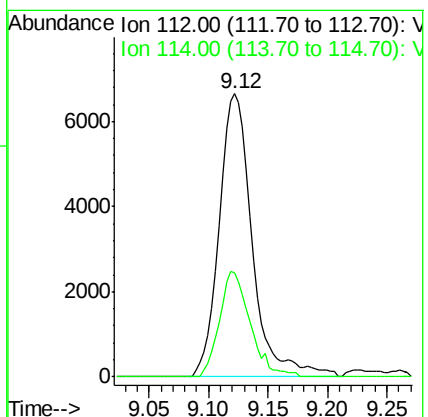
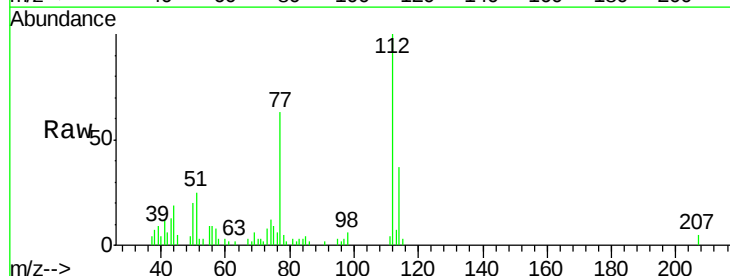
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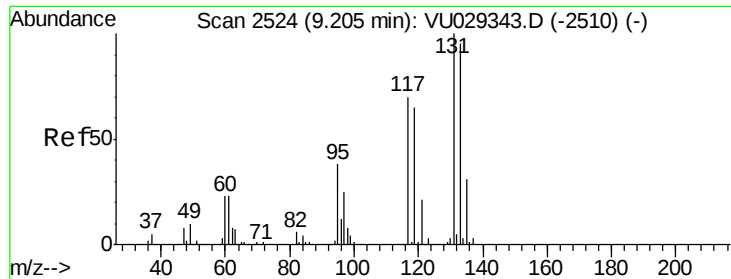
sam
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#59
 Chlorobenzene
 Concen: 0.270 ug/l
 RT: 9.12 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion:	112	Resp:	12831
Ion	Ratio	Lower	Upper
112	100		
114	36.8	26.2	39.4





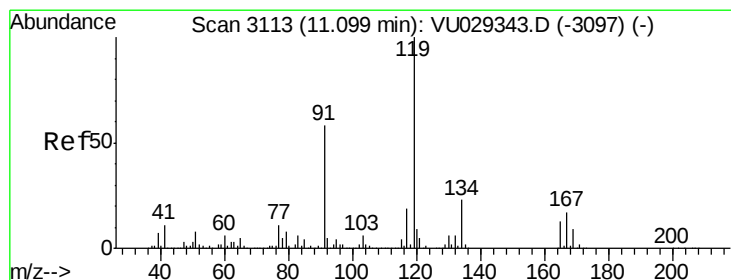
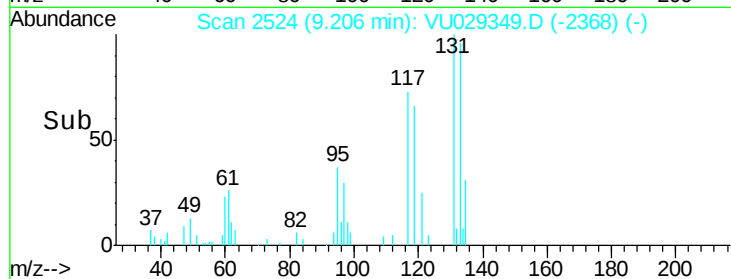
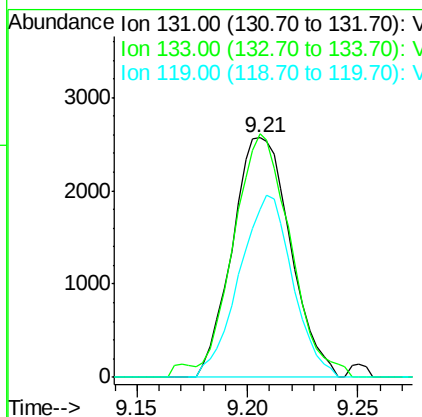
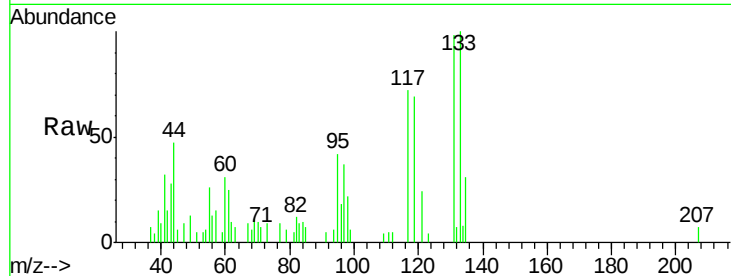
#60
 1,1,1,2-Tetrachloroethane
 Concen: 0.268 ug/l
 RT: 9.21 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.9	77.3	115.9
119	69.8	48.9	73.3

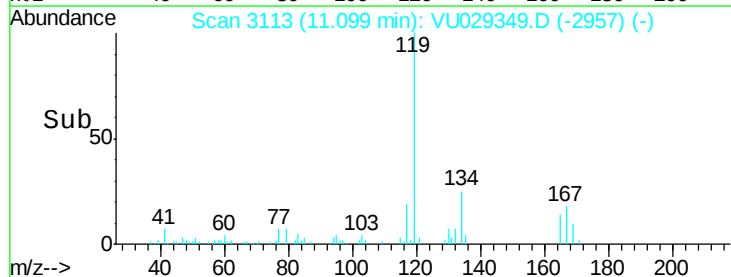
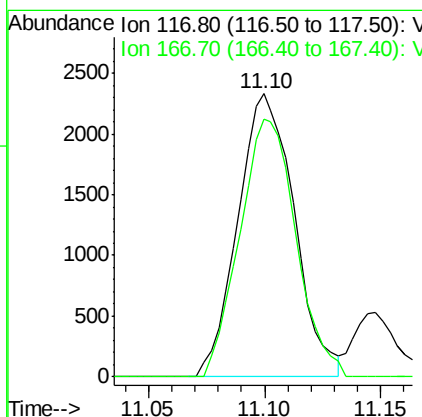
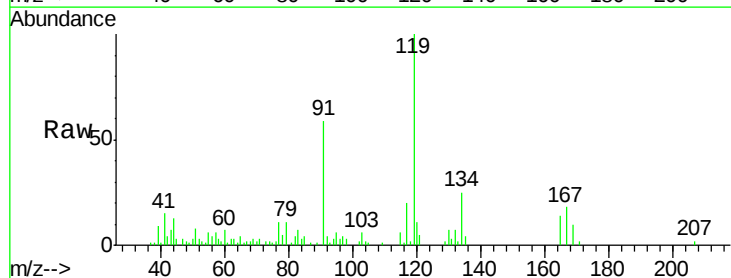
Manual Integrations
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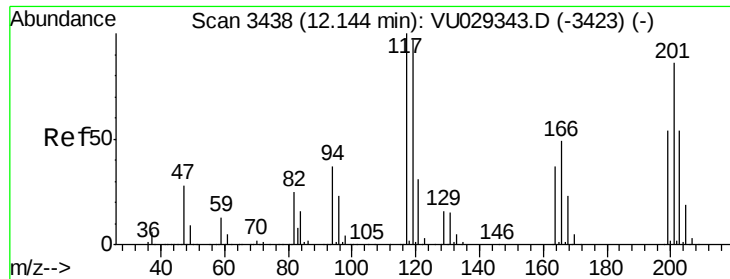
sam
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#61
 Pentachloroethane
 Concen: 0.290 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029349.D
 Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
167	90.6	65.9	98.9





#62

Hexachloroethane

Concen: 0.249 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion:117 Resp: 3702

Ion Ratio Lower Upper

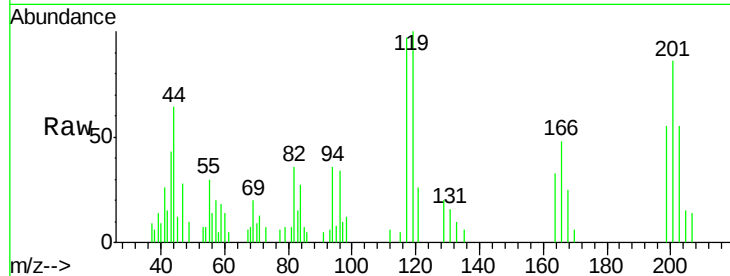
117 100

201 85.4 68.2 102.2

Manual Integrations
APPROVED

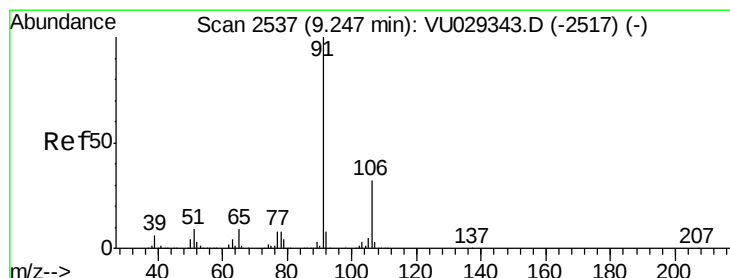
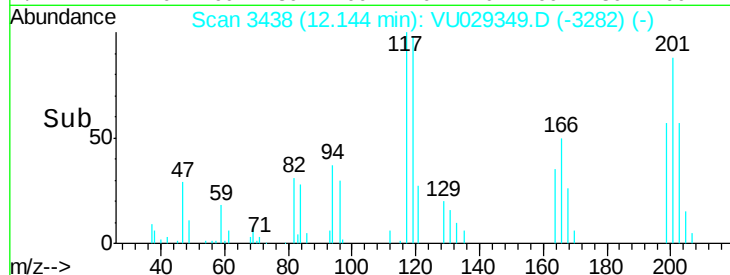
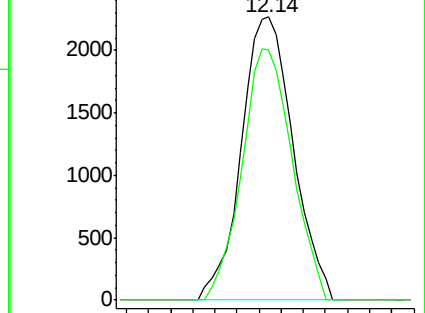
sam

2/8/2019 2:26:39 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.268 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029349.D

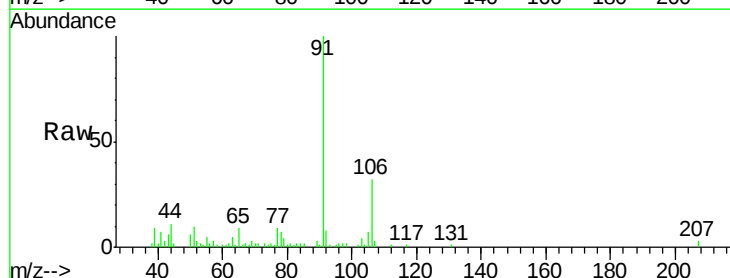
Acq: 05 Feb 2019 16:27

Tgt Ion: 91 Resp: 22103

Ion Ratio Lower Upper

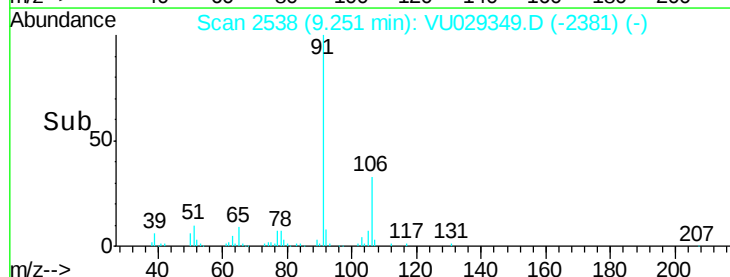
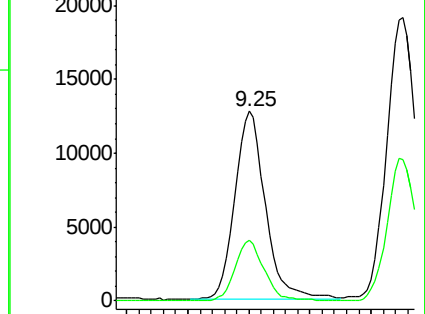
91 100

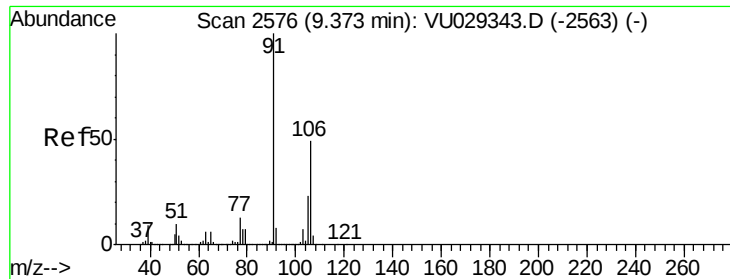
106 32.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.528 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:106 Resp: 16942

Ion Ratio Lower Upper

106 100

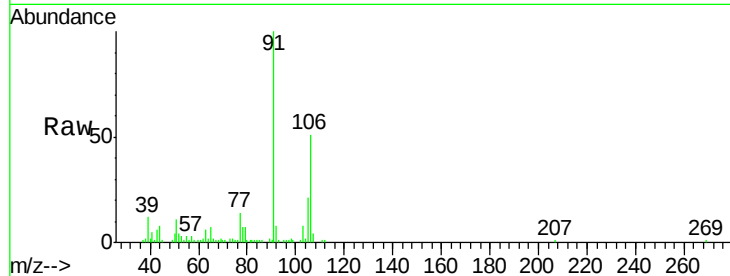
91 199.1 174.6 261.8

Manual Integrations

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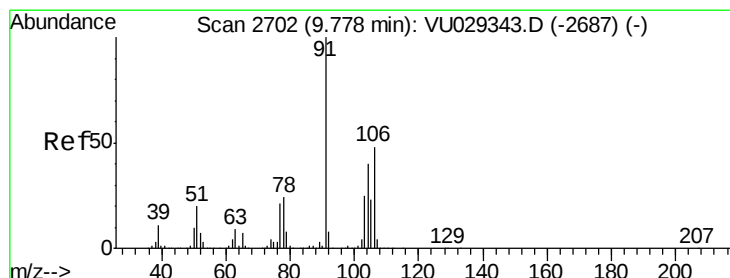
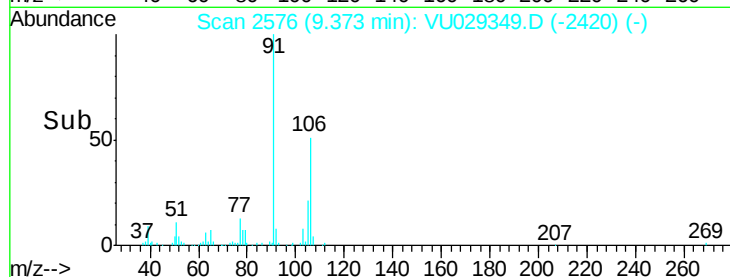
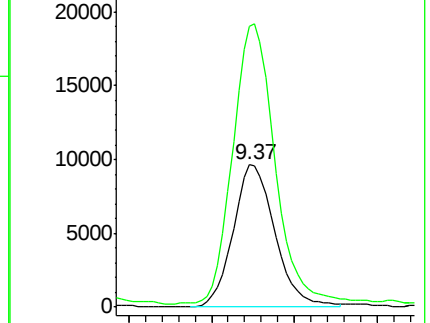
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#65

o-Xylene

Concen: 0.271 ug/l

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029349.D

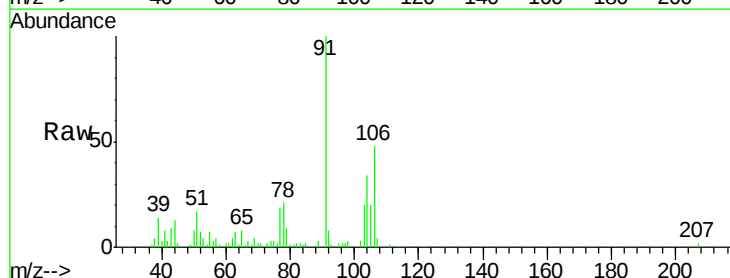
Acq: 05 Feb 2019 16:27

Tgt Ion:106 Resp: 8519

Ion Ratio Lower Upper

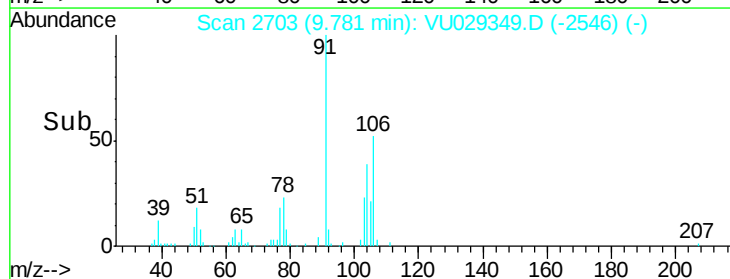
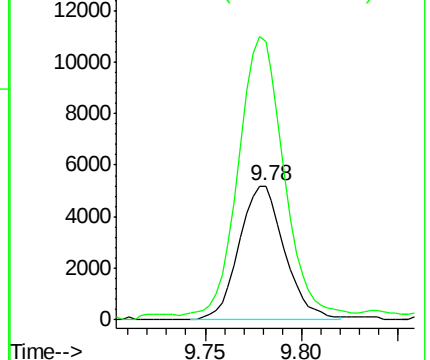
106 100

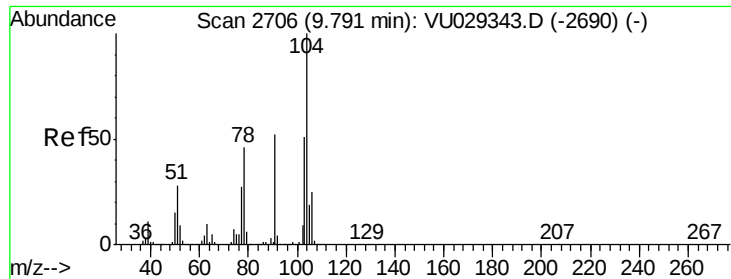
91 204.2 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





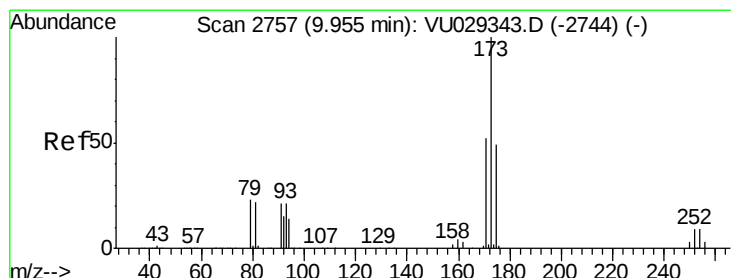
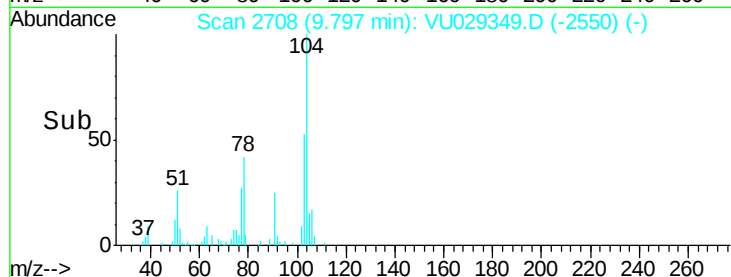
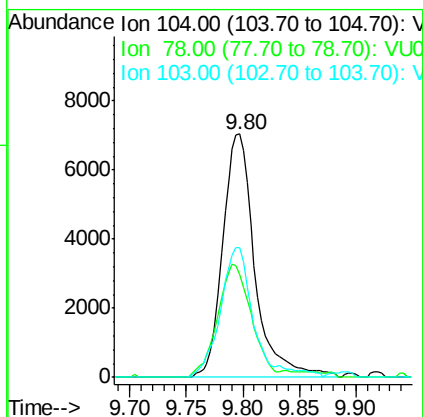
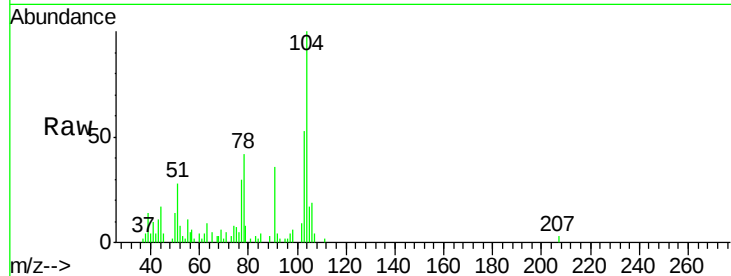
#66
Stvrene
Concen: 0.265 ug/l
RT: 9.80 min Scan# 2708
Delta R.T. 0.01 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	46.5	69.7
103	55.2	44.7	67.1

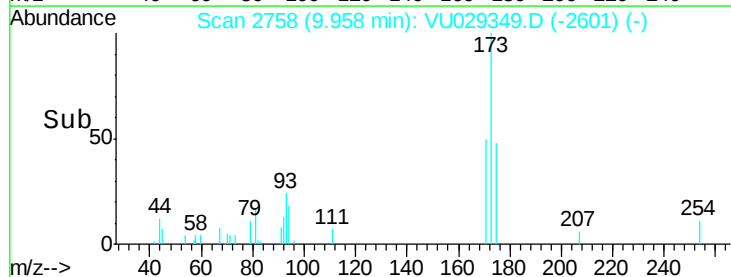
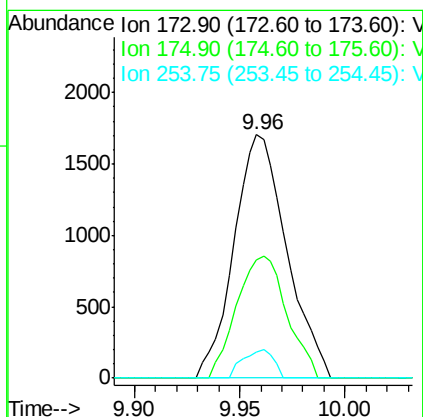
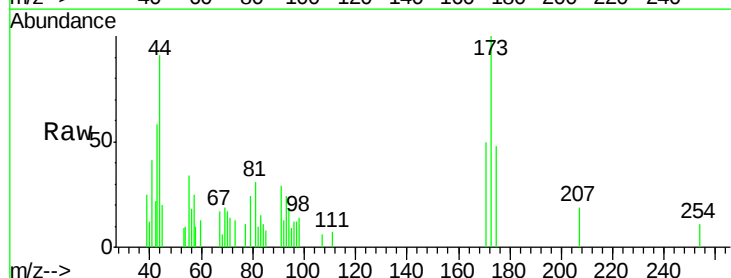
Manual Integrations
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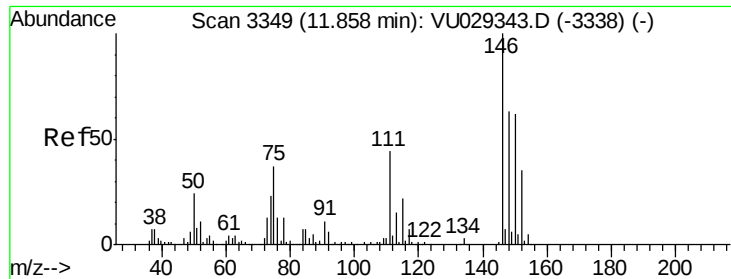
sam
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#67
Bromoform
Concen: 0.276 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.5	38.9	58.3
254	6.9	7.4	11.2#





#68

1,2-Dichlorobenzene-d4

Concen: 0.276 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion:152 Resp: 23393

Ion Ratio Lower Upper

152 100

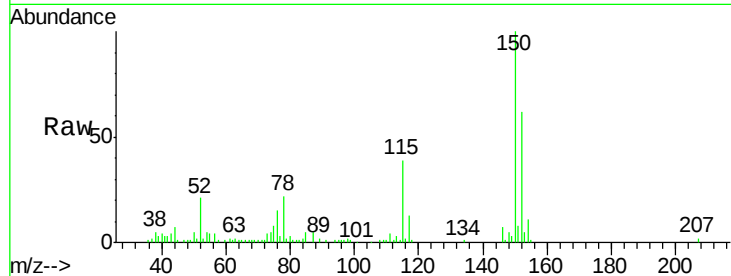
115 63.8 0.0 133.4

150 160.2 0.0 670.8

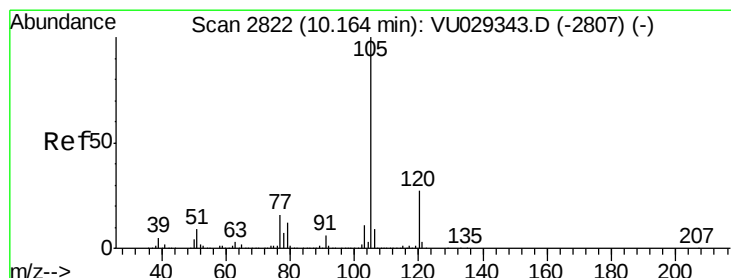
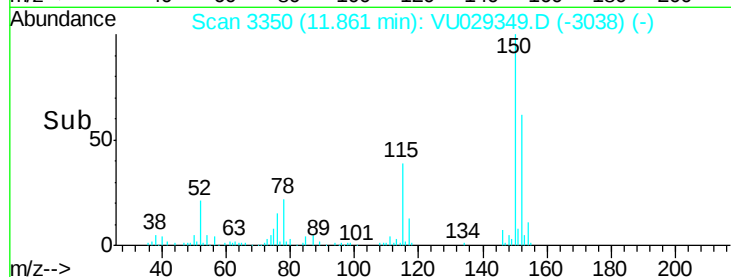
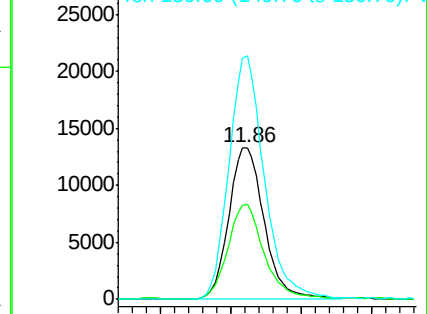
Manual Integrations
APPROVED

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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: 0.274 ug/l

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU029349.D

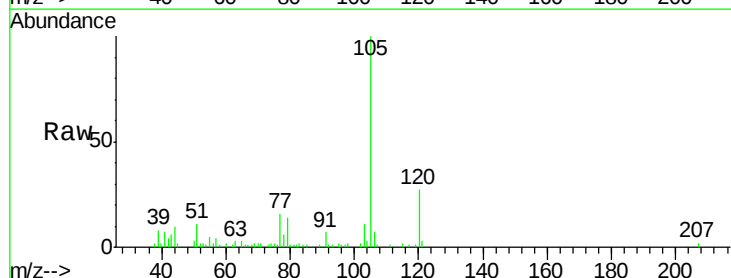
Acq: 05 Feb 2019 16:27

Tgt Ion:105 Resp: 23009

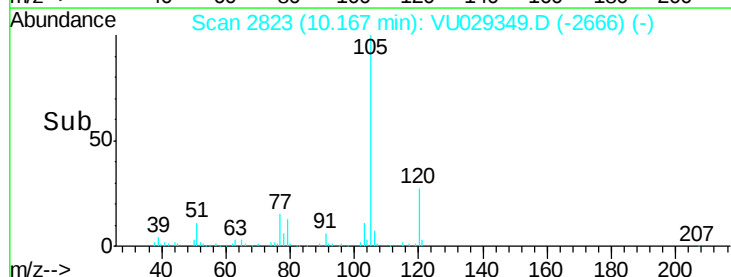
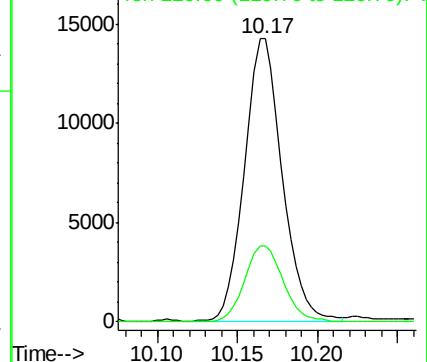
Ion Ratio Lower Upper

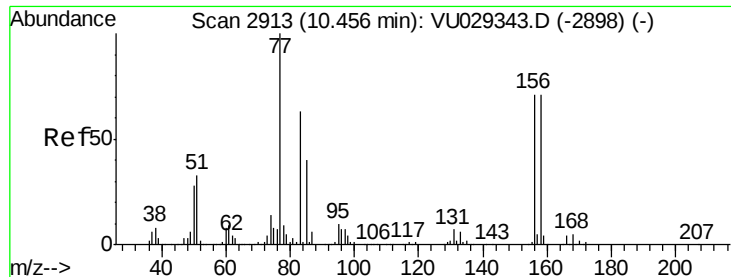
105 100

120 27.3 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#70

1,1,2,2-Tetrachloroethane

Concen: 0.289 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 83 Resp: 4480

Ion Ratio Lower Upper

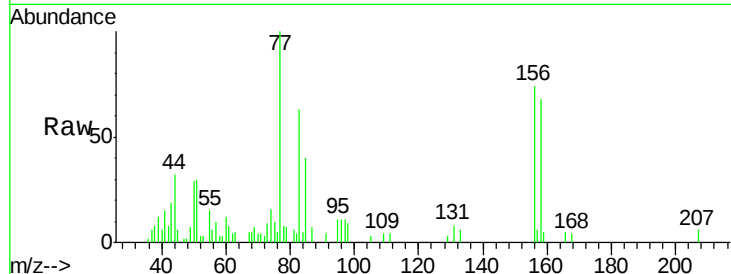
83 100

131 11.3 8.1 12.1

85 56.8 50.3 75.5

Manual Integrations
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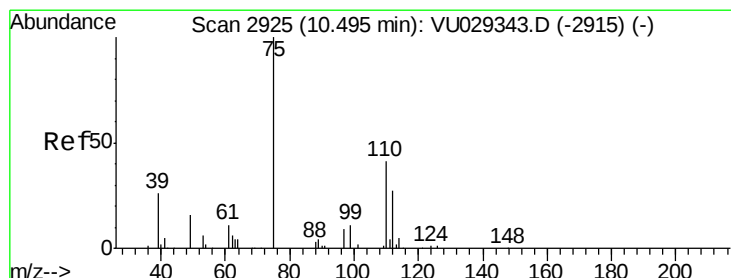
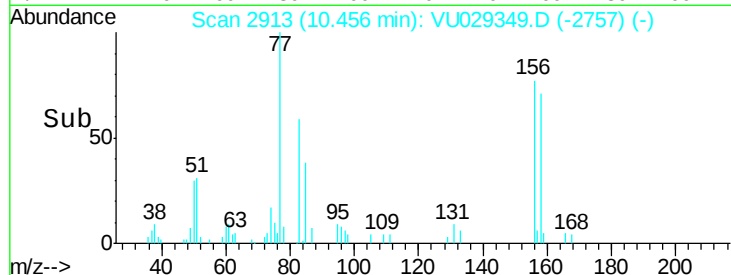
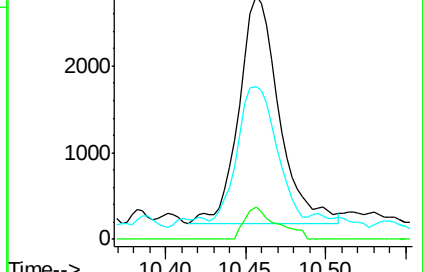
sam
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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#71

1,2,3-Trichloropropane

Concen: 0.321 ug/l m

RT: 10.50 min Scan# 2926

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion: 75 Resp: 3423

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 40.7 0.0 63.6

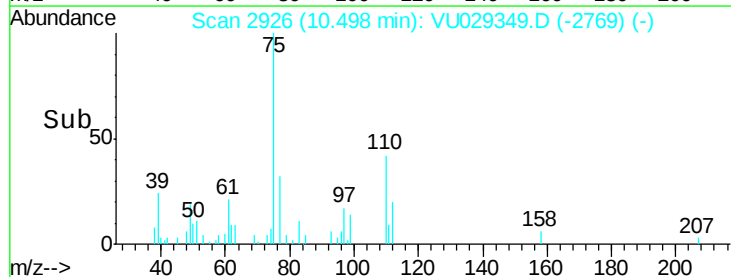
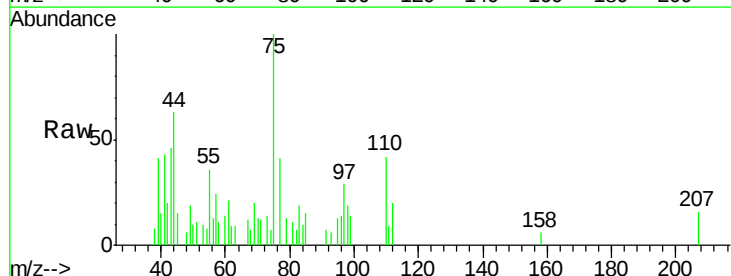
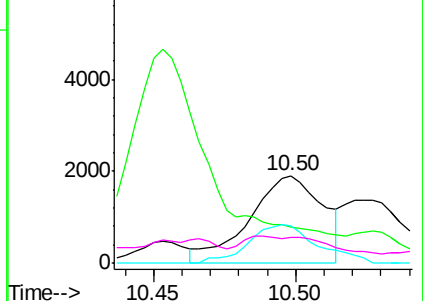
97 21.6 0.0 31.4

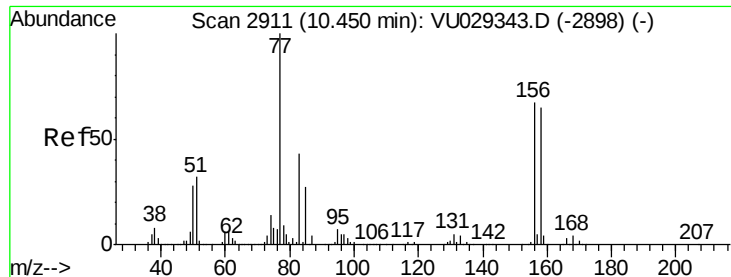
Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): VU0

Ion 97.00 (96.70 to 97.70): VU0





#72

Bromobenzene

Concen: 0.276 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

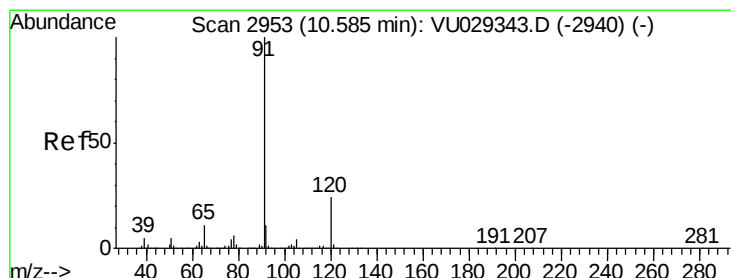
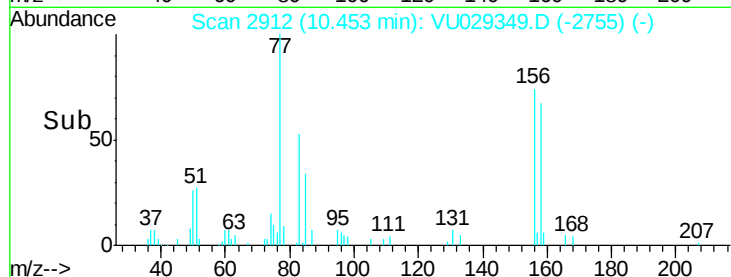
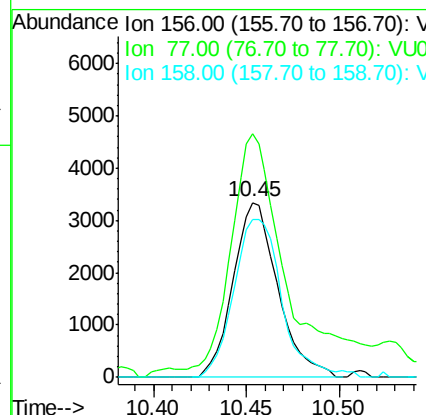
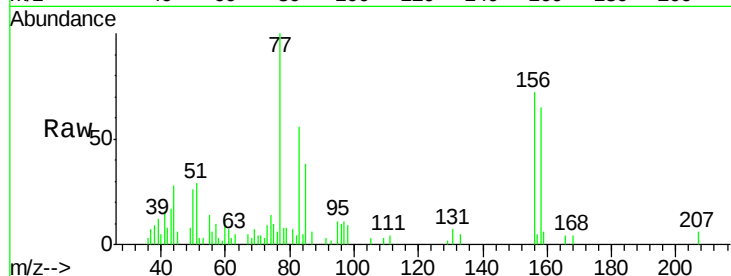
ClientSampled :

MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	161.4	0.0	343.8		
158	97.2	0.0	195.0		

Manual Integrations
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#73

n-propylbenzene

Concen: 0.259 ug/l

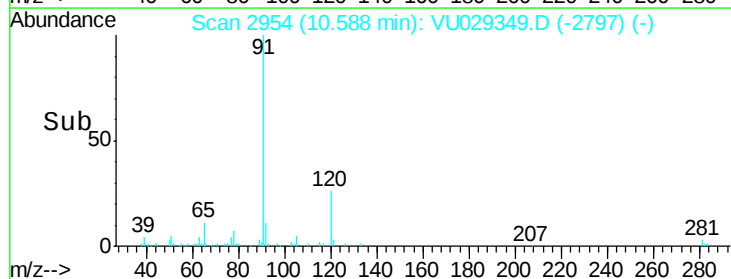
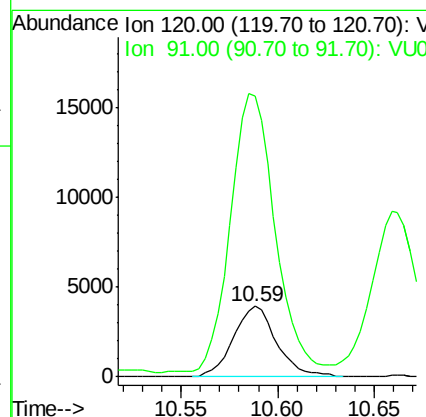
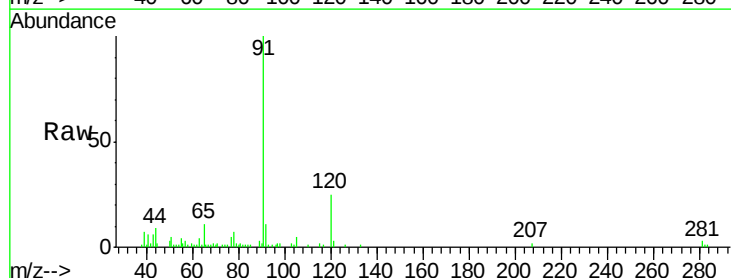
RT: 10.59 min Scan# 2954

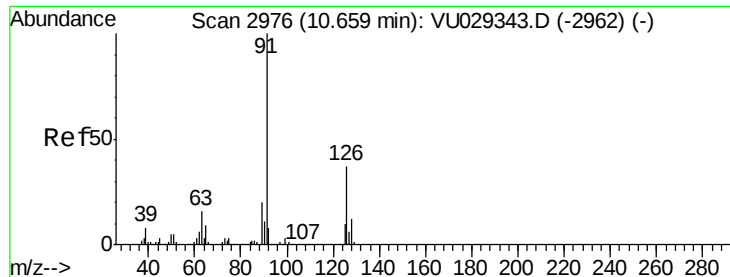
Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
120	100				
91	407.7	370.0	555.0		





#74

2-Chlorotoluene

Concen: 0.277 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:126 Resp: 5532

Ion Ratio Lower Upper

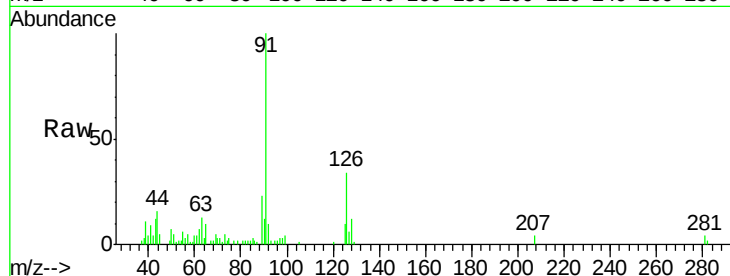
126 100

91 278.7 0.0 643.0

Manual Integrations
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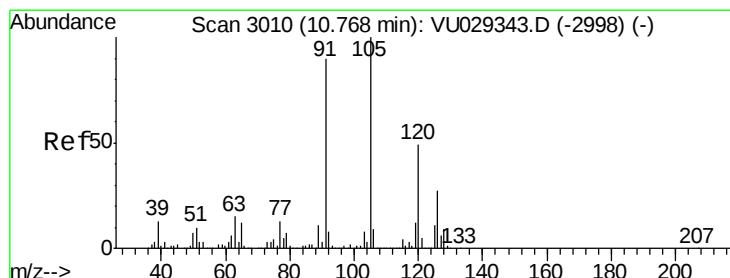
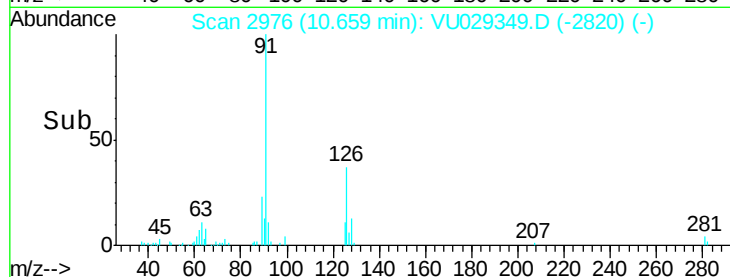
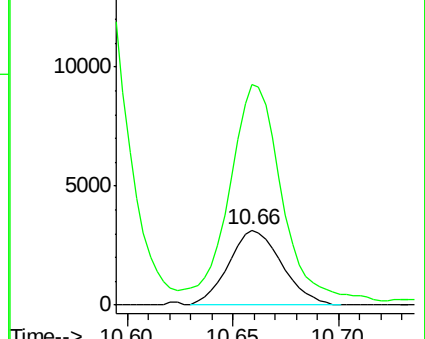
sam

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029349.D

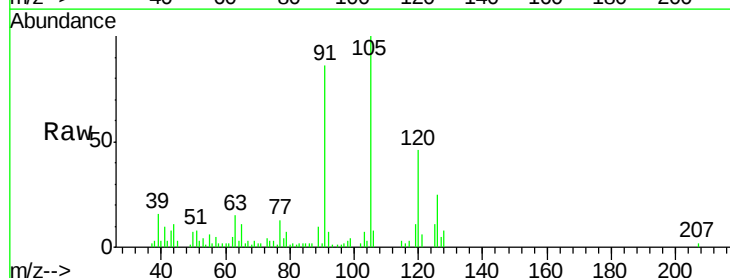
Acq: 05 Feb 2019 16:27

Tgt Ion:105 Resp: 18796

Ion Ratio Lower Upper

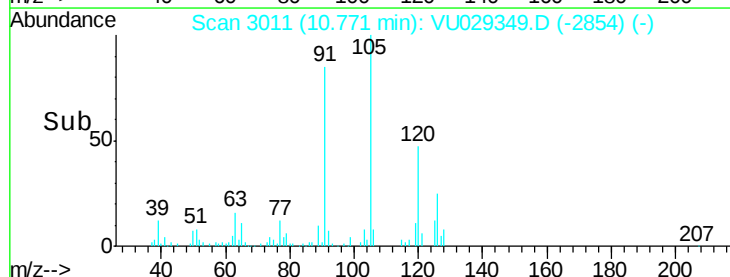
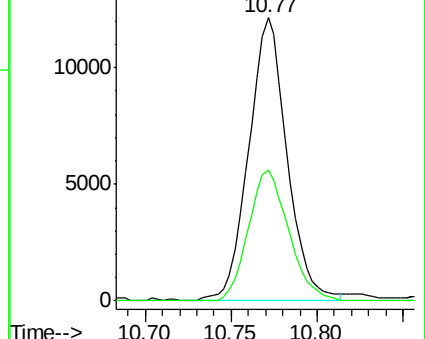
105 100

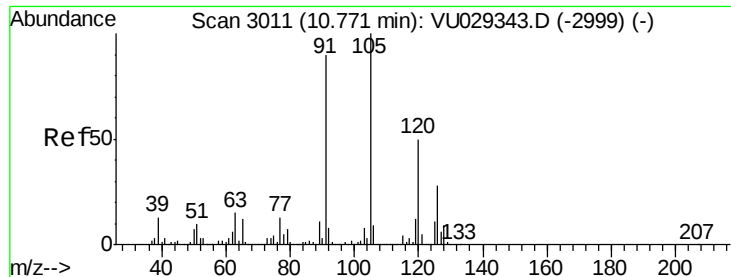
120 48.3 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

4-Chlorotoluene

Concen: 0.261 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:126 Resp: 5403

Ion Ratio Lower Upper

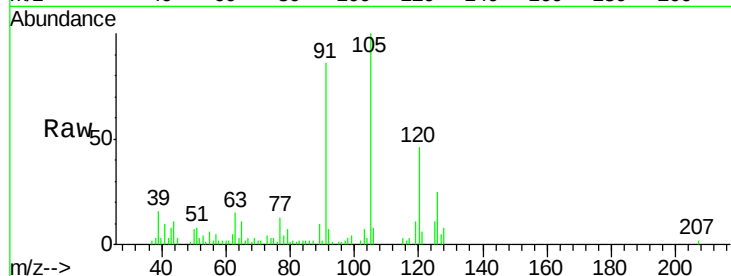
126 100

91 330.2 0.0 727.4

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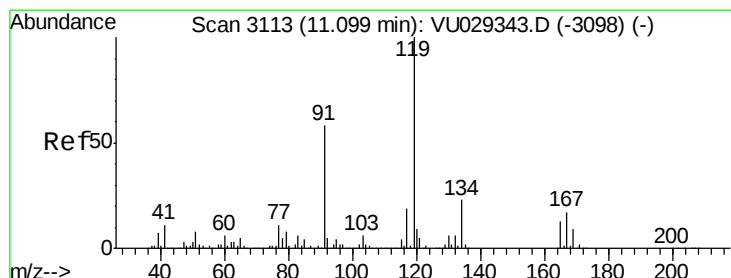
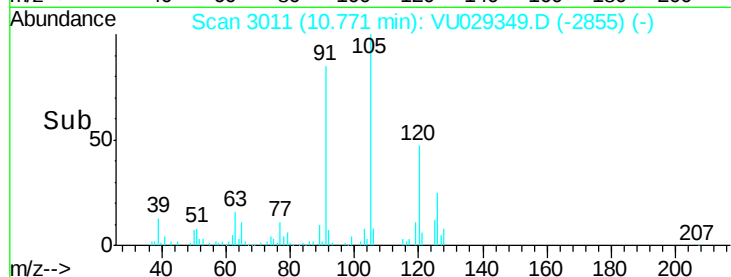
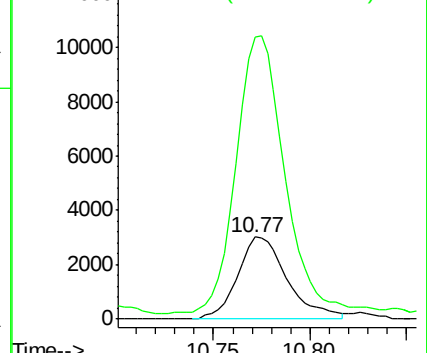
sam

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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#77

tert-Butylbenzene

Concen: 0.264 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

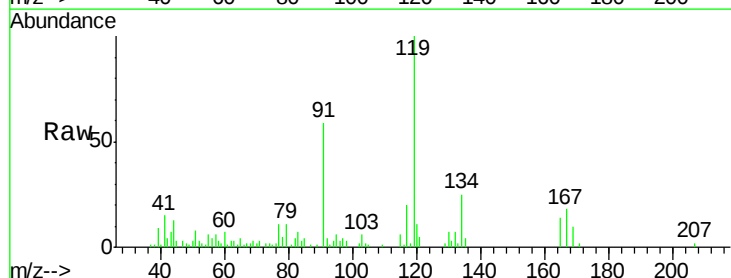
Tgt Ion:119 Resp: 18919

Ion Ratio Lower Upper

119 100

91 59.1 32.2 96.6

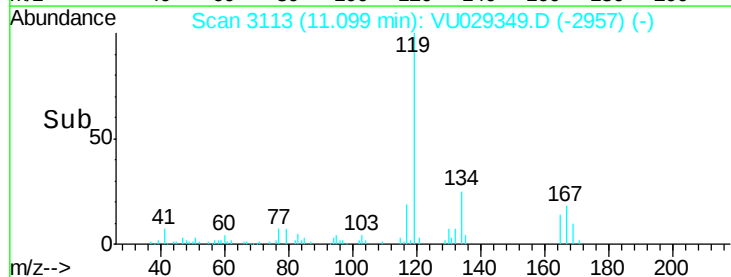
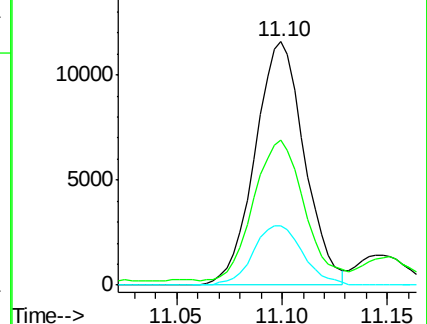
134 24.5 17.6 26.4

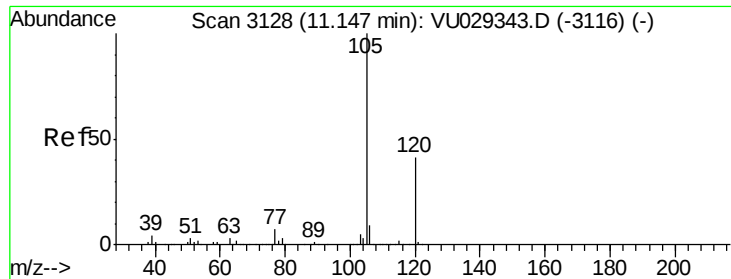


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V





#78

1,2,4-Trimethylbenzene

Concen: 0.272 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion:105 Resp: 19945

Ion Ratio Lower Upper

105 100

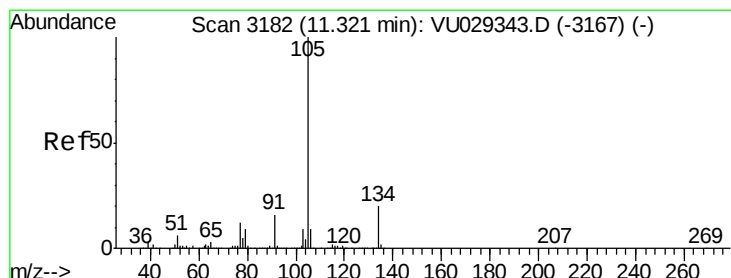
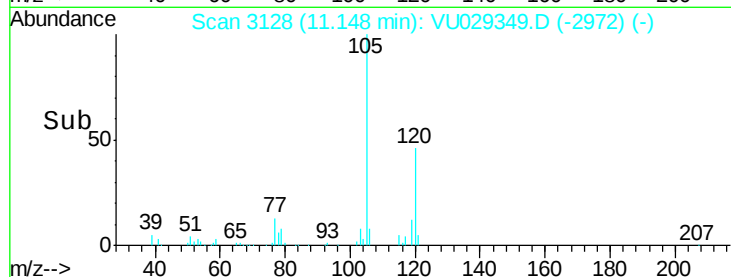
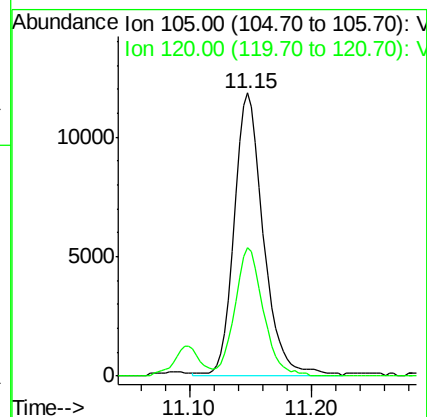
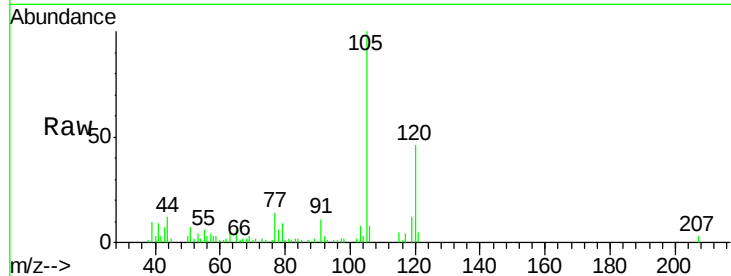
120 43.9 21.4 64.3

Manual Integrations

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#79

sec-Butylbenzene

Concen: 0.259 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029349.D

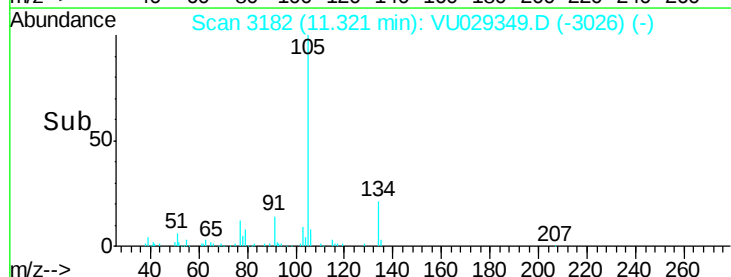
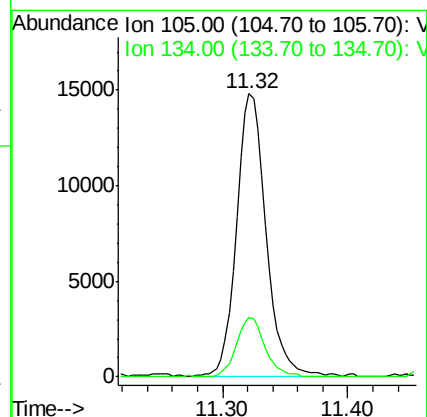
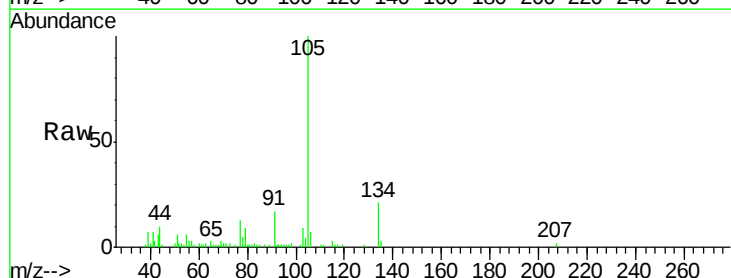
Acq: 05 Feb 2019 16:27

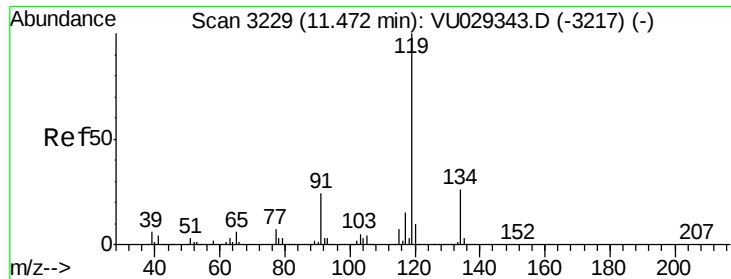
Tgt Ion:105 Resp: 24293

Ion Ratio Lower Upper

105 100

134 20.2 15.0 22.6





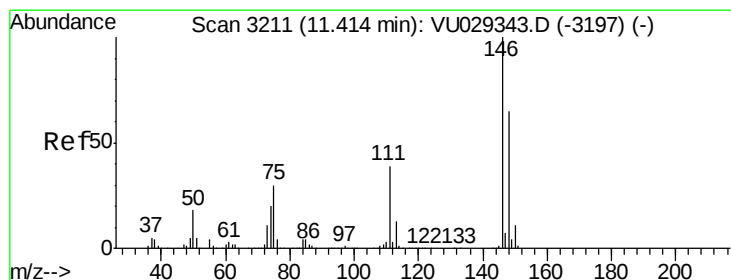
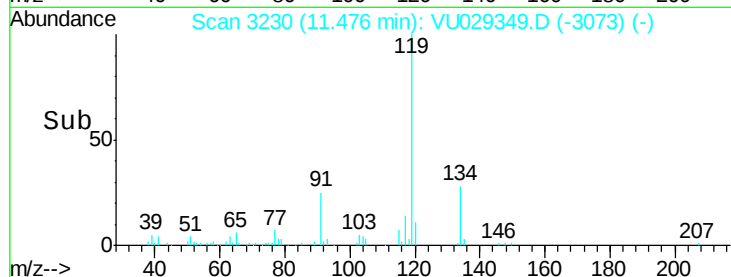
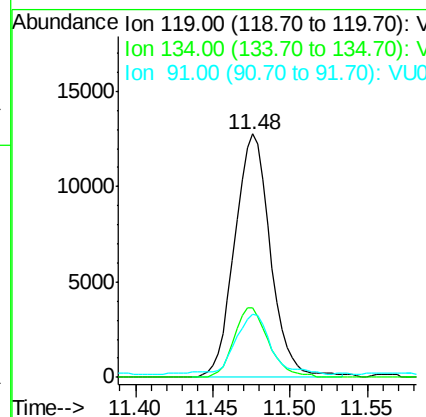
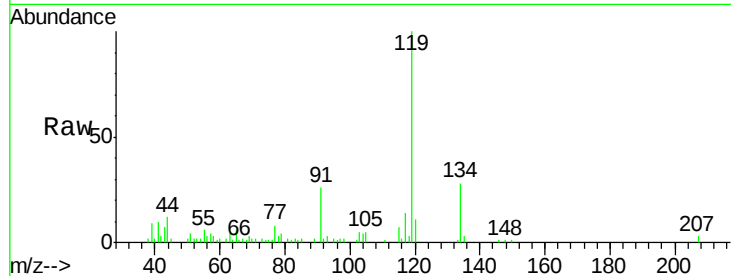
#81
p-Isopropyltoluene
Concen: 0.257 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	19.8	29.6
91	24.3	21.5	32.3

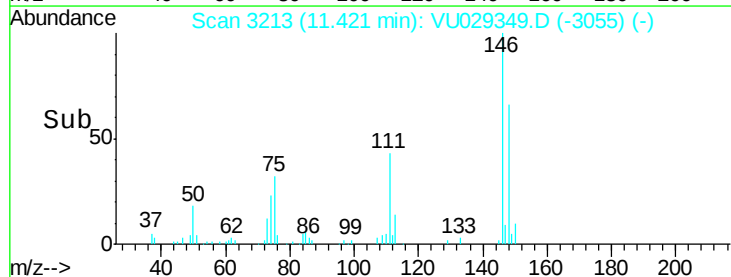
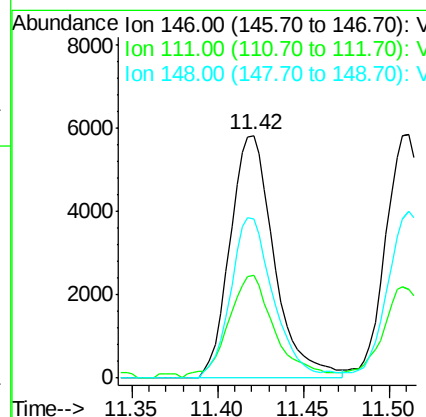
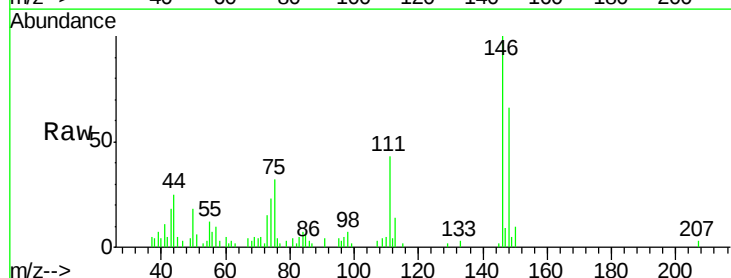
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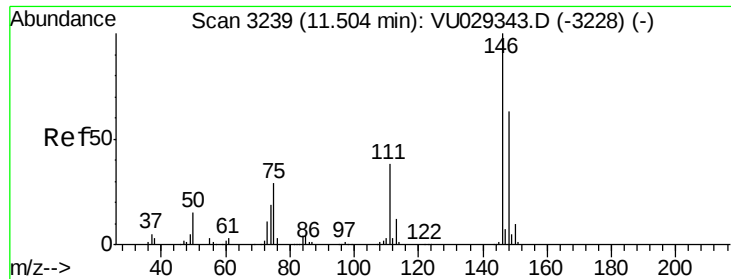
sam
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#82
1,3-Dichlorobenzene
Concen: 0.261 ug/l
RT: 11.42 min Scan# 3213
Delta R.T. 0.01 min
Lab File: VU029349.D
Acq: 05 Feb 2019 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	34.1	51.1
148	63.7	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 0.268 ug/l

RT: 11.51 min Scan# 3241

Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

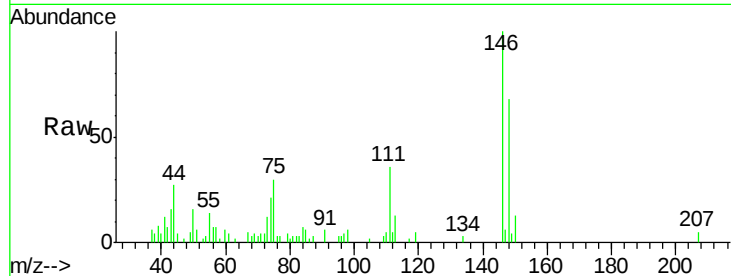
ClientSampled :

MDL01

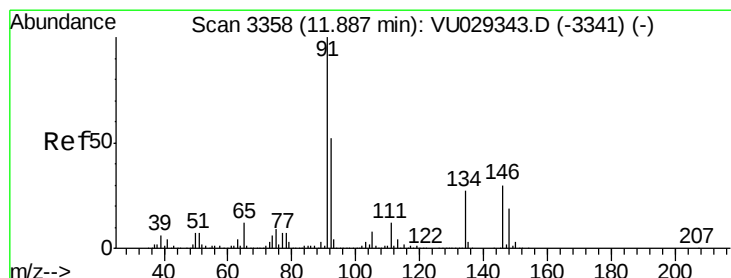
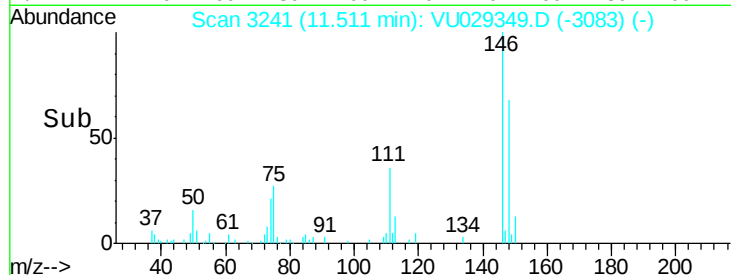
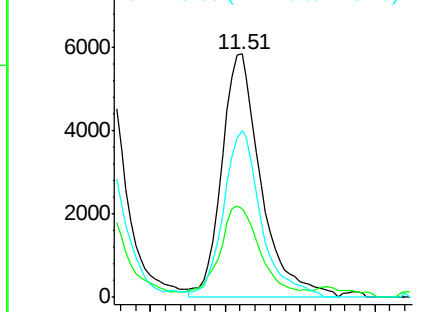
Tot Ion:	146	Resp:	10661
Ion Ratio	Lower	Upper	
146	100		
111	39.9	32.9	49.3
148	65.9	51.8	77.6

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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: 0.237 ug/l

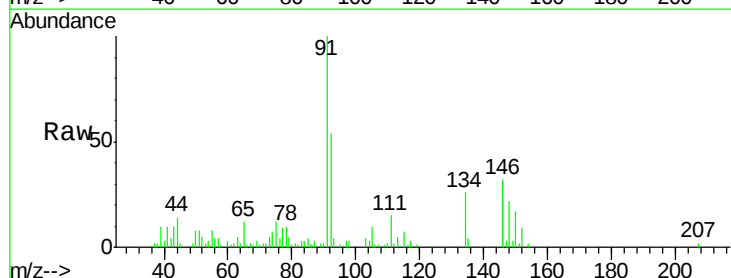
RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

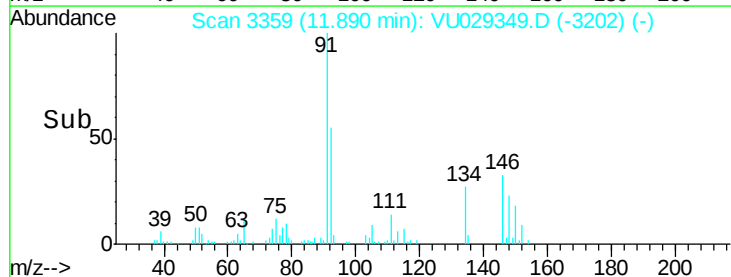
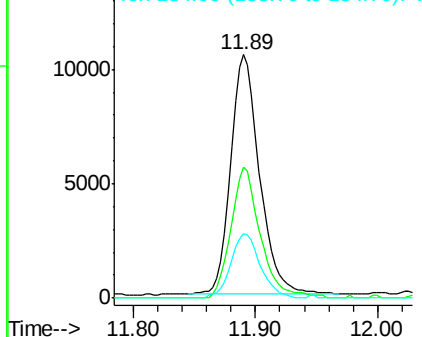
Lab File: VU029349.D

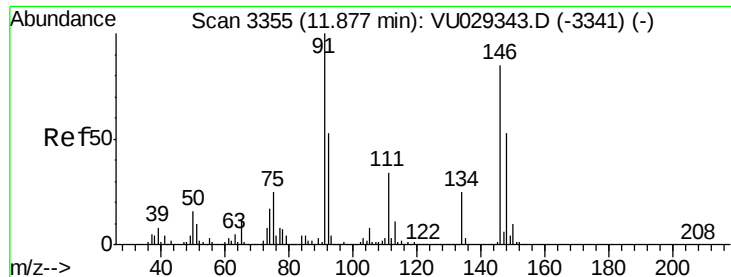
Acq: 05 Feb 2019 16:27

Tgt Ion:	91	Resp:	17257
Ion Ratio	Lower	Upper	
91	100		
92	55.8	41.0	61.6
134	27.5	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: 0.267 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

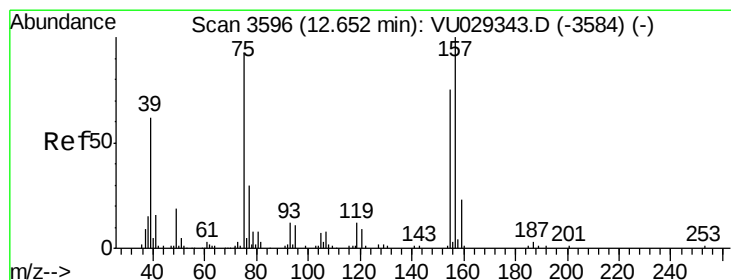
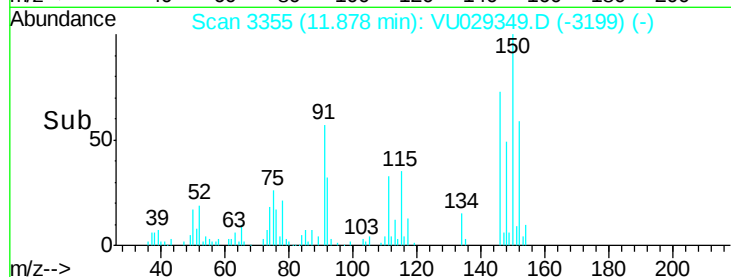
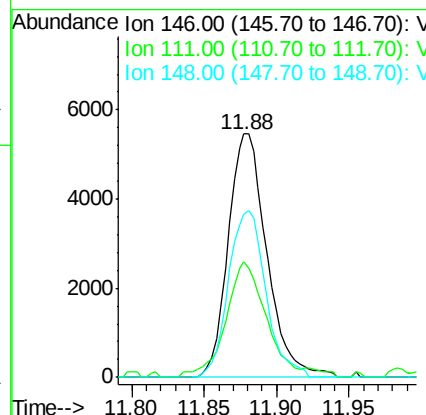
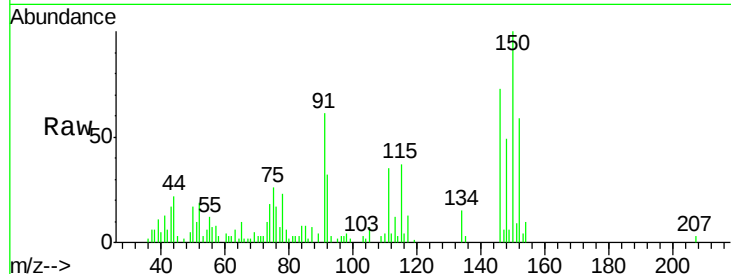
ClientSampled :

MDL01

Tot Ion:	146	Resp:	10105
Ion Ratio	Lower	Upper	
146	100		
111	51.1	21.9	65.8
148	66.0	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.251 ug/l

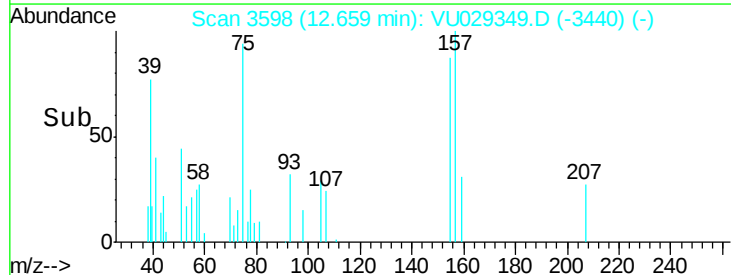
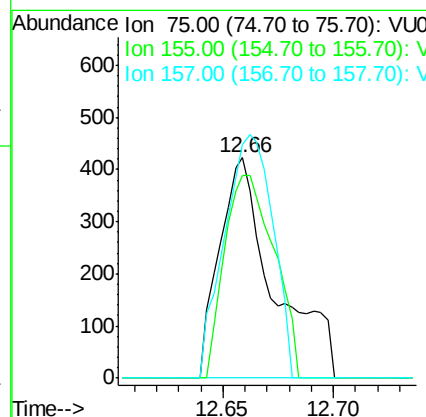
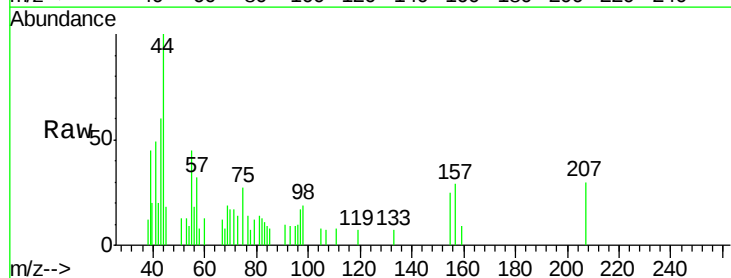
RT: 12.66 min Scan# 3598

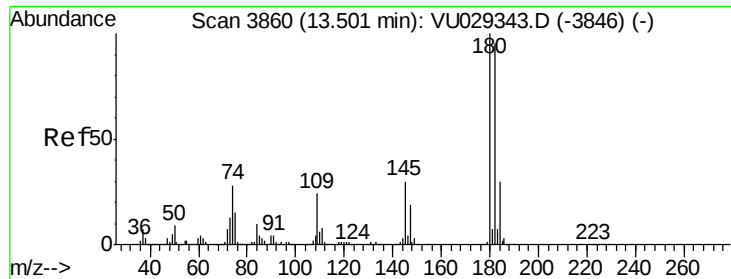
Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	75	Resp:	726
Ion Ratio	Lower	Upper	
75	100		
155	83.9	53.8	80.8#
157	98.3	69.2	103.8





#87

1,2,4-Trichlorobenzene

Concen: 0.235 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

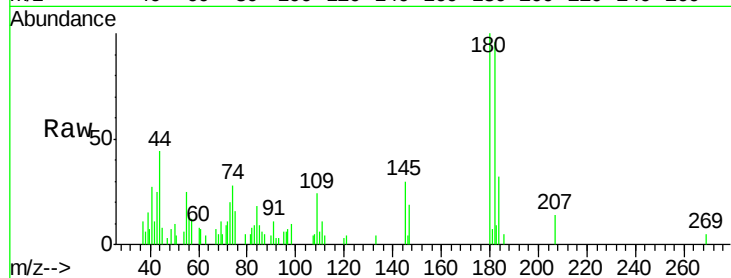
ClientSampleId :

MDL01

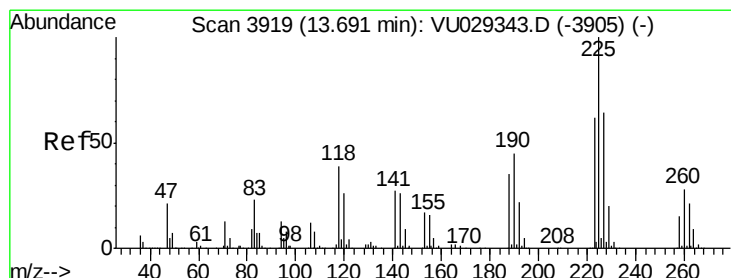
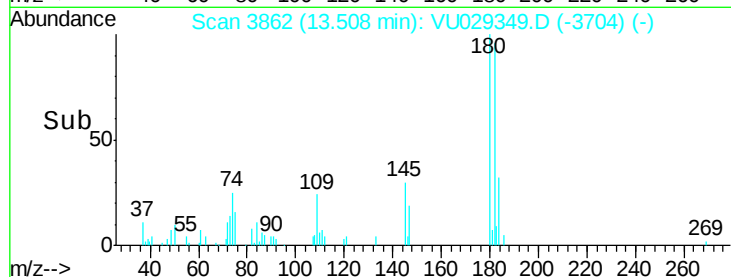
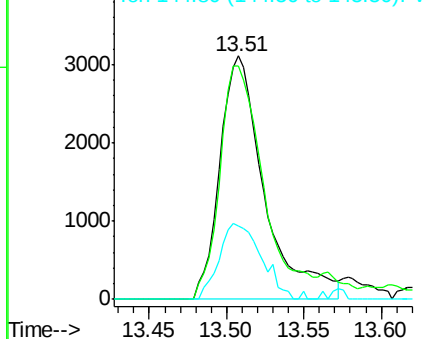
Tot Ion:	180	Resp:	6233
Ion Ratio	Lower	Upper	
180	100		
182	93.6	76.6	114.8
145	29.2	24.6	36.8

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



#88

Hexachlorobutadiene

Concen: 0.278 ug/l

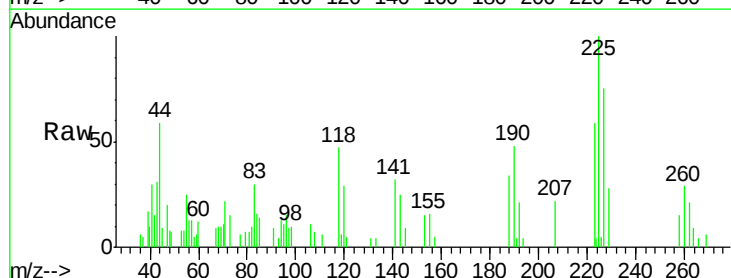
RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

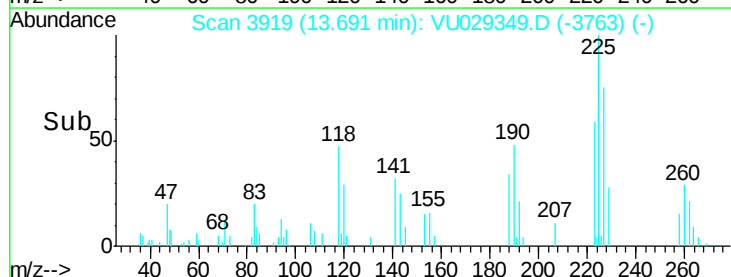
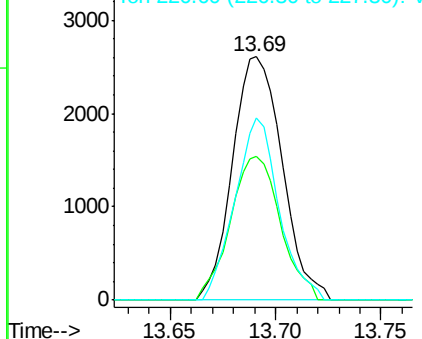
Lab File: VU029349.D

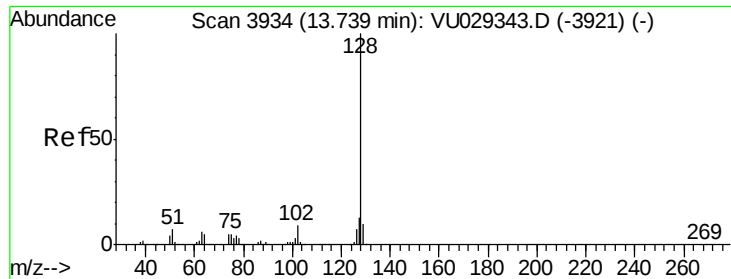
Acq: 05 Feb 2019 16:27

Tgt Ion:	225	Resp:	4275
Ion Ratio	Lower	Upper	
225	100		
223	59.5	49.5	74.3
227	66.3	50.4	75.6



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





#89

Naphthalene

Concen: 0.234 ug/l

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Instrument :

MSVOA_U

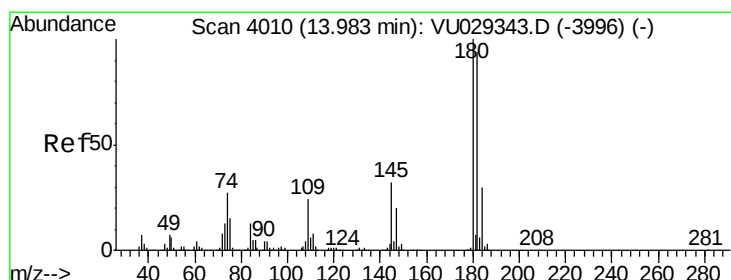
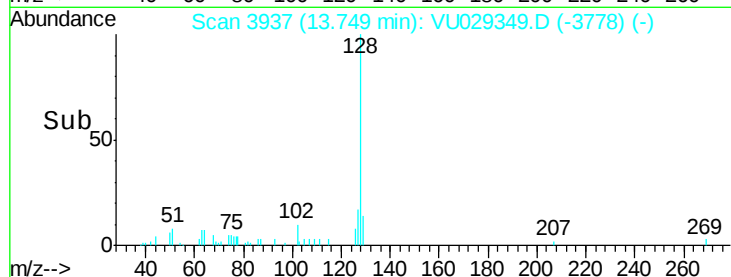
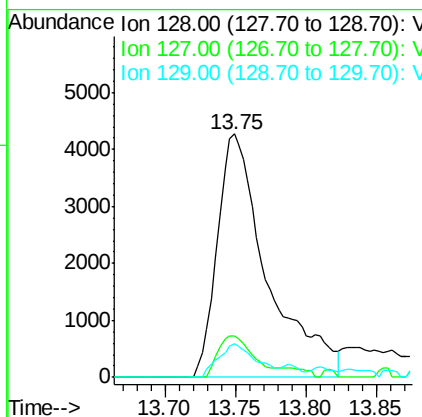
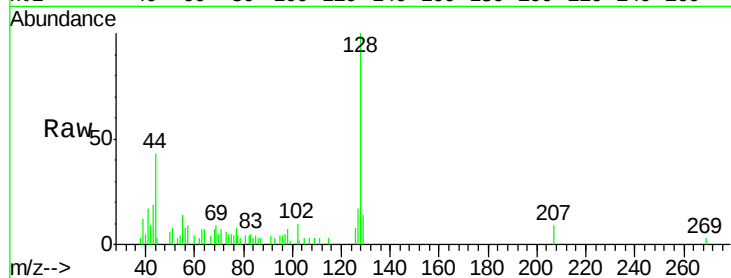
ClientSampleId :

MDL01

Tot Ion:	128	Resp:	10532
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.7	16.1
129	10.5	8.2	12.4

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#90

1,2,3-Trichlorobenzene

Concen: 0.258 ug/l

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU029349.D

Acq: 05 Feb 2019 16:27

Tgt Ion:	180	Resp:	6254
Ion Ratio	Lower	Upper	
180	100		
182	87.9	78.0	117.0
145	29.6	26.6	39.8

