

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020619\
 Data File : VU029359.D
 Acq On : 06 Feb 2019 12:44
 Operator : JC/SP
 Sample : MDL05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
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sam
 2/8/2019 2:27:31 PM

Quant Time: Feb 08 12:32:01 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	50794	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19314	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20140	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	4488	0.237	ug/l	96
3) Chloromethane	1.33	50	4792	0.277	ug/l	88
4) Vinyl Chloride	1.40	62	4602	0.227	ug/l #	87
5) Bromomethane	1.63	94	3619	0.320	ug/l	93
6) Chloroethane	1.70	64	3225	0.272	ug/l	91
7) Trichlorofluoromethane	1.88	101	7364	0.260	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	4167	0.278	ug/l	90
9) 1,1-Dichloroethene	2.28	96	3590	0.245	ug/l	81
10) Iodomethane	2.41	142	3137	0.439	ug/l #	81
11) Allyl Chloride	2.59	41	6212	0.253	ug/l	91
12) Acrylonitrile	2.93	53	1899	0.578	ug/l	91
13) Acetone	2.32	43	4843	1.530	ug/l	95
14) Carbon Disulfide	2.48	76	13702	0.265	ug/l #	95
15) Methylene Chloride	2.70	84	5690	0.320	ug/l #	77
16) trans-1,2-Dichloroethene	2.98	96	4594	0.280	ug/l #	72
17) 1,1-Dichloroethane	3.44	63	8267	0.318	ug/l #	91
18) 2-Butanone	4.29	43	3185	0.900	ug/l	92
19) Cyclohexane	4.98	56	6381m	0.265	ug/l	
20) Methylcyclohexane	6.41	83	6081	0.240	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	7397	0.308	ug/l #	81
22) cis-1,2-Dichloroethene	4.23	96	4397	0.285	ug/l	68
23) Diethyl Ether	2.11	59	3088	0.262	ug/l	89
24) tert-Butyl Alcohol	2.84	59	4876	3.988	ug/l #	80
25) Methyl tert-Butyl Ether	3.00	73	10247	0.248	ug/l #	79
26) Bromochloromethane	4.55	128	1733	0.254	ug/l	69
27) Chloroform	4.68	83	6007	0.238	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	6355	0.272	ug/l	90
29) 1,1-Dichloropropene	5.13	75	4870	0.240	ug/l #	86
30) Carbon Tetrachloride	5.13	117	5255	0.248	ug/l	92
31) Isopropyl Ether	3.58	45	8802	0.225	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	8752	0.223	ug/l #	85
33) Tert-Amyl methyl ether	5.59	73	9324	0.263	ug/l #	93
35) Benzene	5.38	78	13300	0.237	ug/l	98
36) 1,2-Dichloroethane	5.41	62	3664	0.216	ug/l #	89
37) Trichloroethene	6.18	130	3785	0.235	ug/l #	78
38) 1,2-Dichloropropane	6.43	63	3392	0.232	ug/l	92
41) Tetrahydrofuran	4.66	42	1261m	0.526	ug/l	
42) 1-Chlorobutane	5.06	56	5997	0.220	ug/l	85
43) Dibromomethane	6.56	93	1811	0.232	ug/l	96
44) Bromodichloromethane	6.76	83	4474	0.225	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	9791	1.072	ug/l #	83

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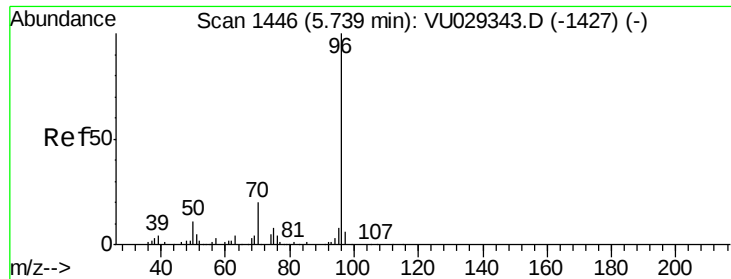
Manual Integrations
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Quant Time: Feb 08 12:32:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.53	75	1155m	0.260	ug/l	
47) Methyl methacrylate	6.64	69	2306	0.336	ug/l #	83
48) Ethyl methacrylate	8.03	69	2887	0.196	ug/l	89
49) Toluene	7.63	92	8260	0.230	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	4286	0.220	ug/l #	88
51) cis-1,3-Dichloropropene	7.27	75	5119	0.221	ug/l	90
52) 1,1,2-Trichloroethane	8.07	97	2198	0.213	ug/l	93
53) 1,3-Dichloropropane	8.24	76	4005	0.221	ug/l	93
54) 2-Hexanone	8.37	43	6443	1.007	ug/l	83
55) Dibromochloromethane	8.48	129	3633	0.248	ug/l	98
56) 1,2-Dibromoethane	8.59	107	2623	0.248	ug/l	96
58) Tetrachloroethene	8.22	164	3869	0.258	ug/l	92
59) Chlorobenzene	9.12	112	10299	0.254	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	3908	0.261	ug/l	99
61) Pentachloroethane	11.10	117	2916	0.251	ug/l	100
62) Hexachloroethane	12.14	117	2670	0.211	ug/l	100
63) Ethyl Benzene	9.25	91	17440	0.248	ug/l	96
64) m/p-Xylenes	9.38	106	12810	0.469	ug/l	87
65) o-Xylene	9.78	106	6399	0.238	ug/l	83
66) Styrene	9.79	104	10740	0.240	ug/l	90
67) Bromoform	9.96	173	2147	0.235	ug/l #	96
69) Isopropylbenzene	10.17	105	17293	0.241	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	3285	0.249	ug/l #	93
71) 1,2,3-Trichloropropane	10.49	75	2469m	0.272	ug/l	
72) Bromobenzene	10.46	156	4289	0.247	ug/l	94
73) n-propylbenzene	10.59	120	4687	0.235	ug/l	81
74) 2-Chlorotoluene	10.66	126	4091	0.241	ug/l	79
75) 1,3,5-Trimethylbenzene	10.77	105	14610	0.236	ug/l	99
76) 4-Chlorotoluene	10.77	126	4697	0.266	ug/l	57
77) tert-Butylbenzene	11.10	119	14560	0.238	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	14764	0.236	ug/l	92
79) sec-Butylbenzene	11.32	105	19288	0.241	ug/l	98
81) p-Isopropyltoluene	11.48	119	15381	0.227	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	8252	0.242	ug/l	95
83) 1,4-Dichlorobenzene	11.51	146	8114	0.239	ug/l	98
84) n-Butylbenzene	11.89	91	14815	0.238	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	7499	0.233	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	533	0.216	ug/l	87
87) 1,2,4-Trichlorobenzene	13.51	180	4933	0.218	ug/l	95
88) Hexachlorobutadiene	13.69	225	3358	0.256	ug/l	96
89) Naphthalene	13.75	128	6716	0.175	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	4509	0.218	ug/l	92

(#) = 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: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

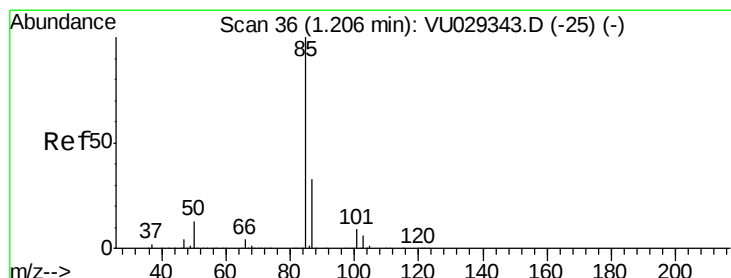
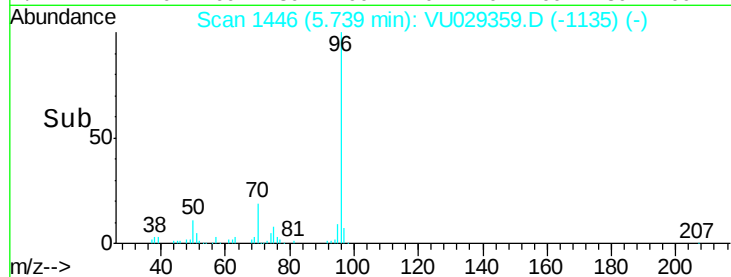
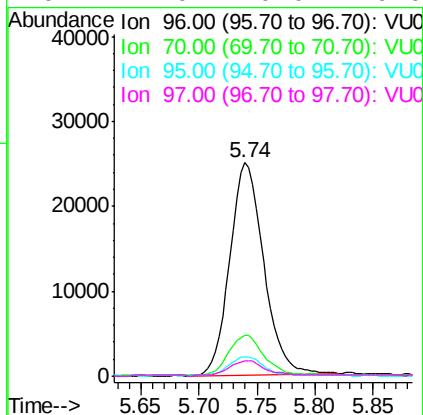
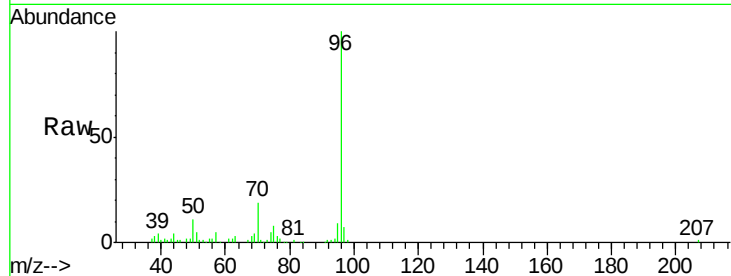
ClientSampleId :

MDL05

Tot Ion:	96	Resp:	50794
Ion	Ratio	Lower	Upper
96	100		
70	18.4	16.2	24.2
95	9.4	7.4	11.2
97	7.0	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.237 ug/l

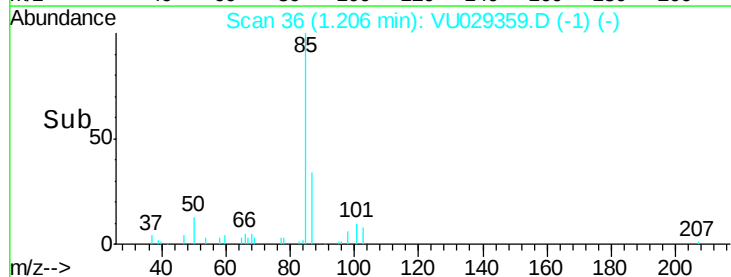
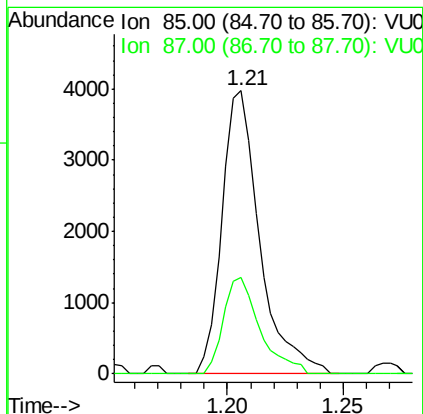
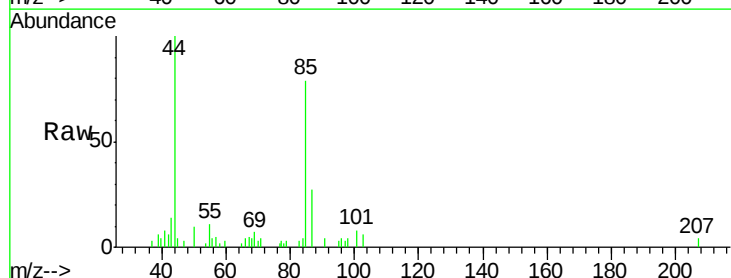
RT: 1.21 min Scan# 36

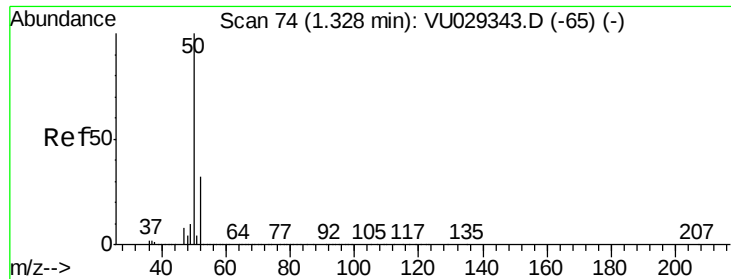
Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion:	85	Resp:	4488
Ion	Ratio	Lower	Upper
85	100		
87	33.9	15.9	47.6





#3

Chloromethane

Concen: 0.277 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 50 Resp: 4792

Ion Ratio Lower Upper

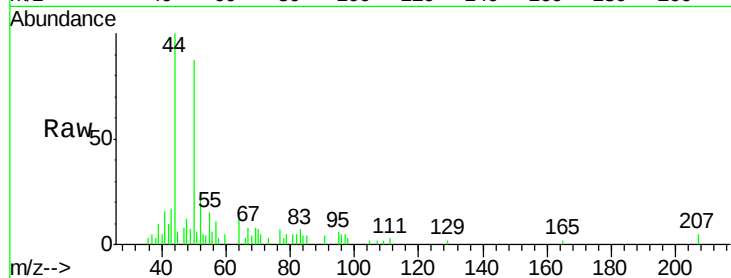
50 100

52 27.4 27.3 40.9

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

Ion 52.00 (51.70 to 52.70): VU0

5000

4000

3000

2000

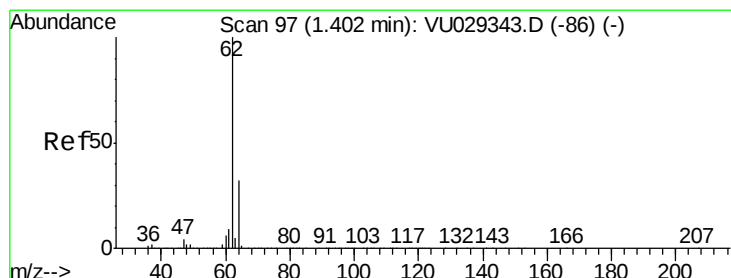
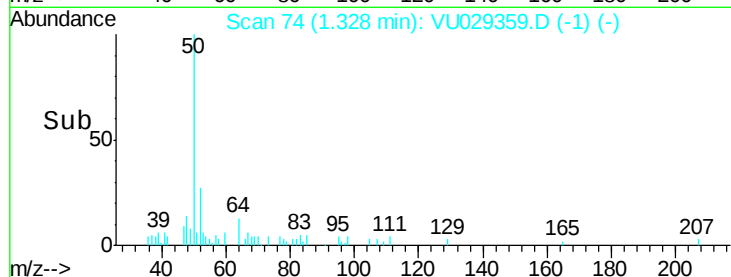
1000

0

1.30

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.227 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029359.D

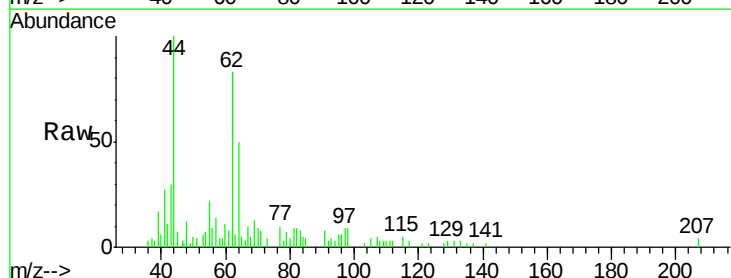
Acq: 06 Feb 2019 12:44

Tgt Ion: 62 Resp: 4602

Ion Ratio Lower Upper

62 100

64 38.6 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

5000

4000

3000

2000

1000

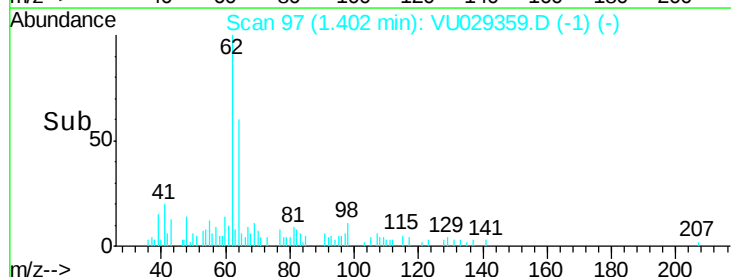
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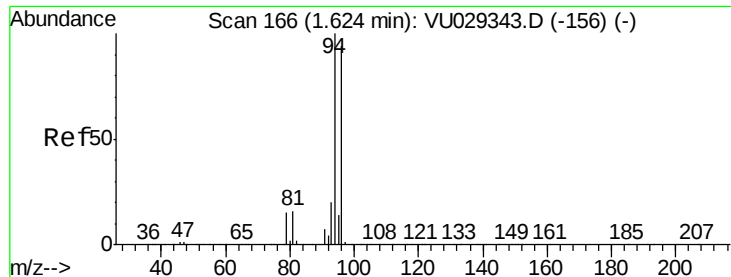
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 94 Resp: 3619

Ion Ratio Lower Upper

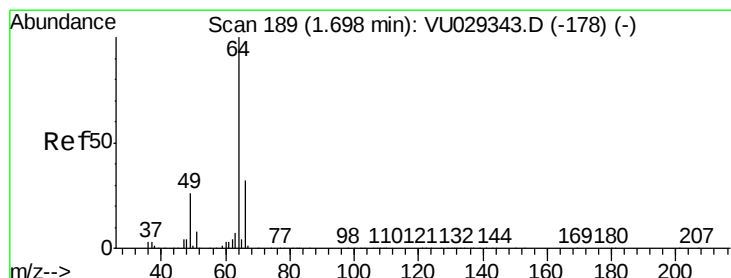
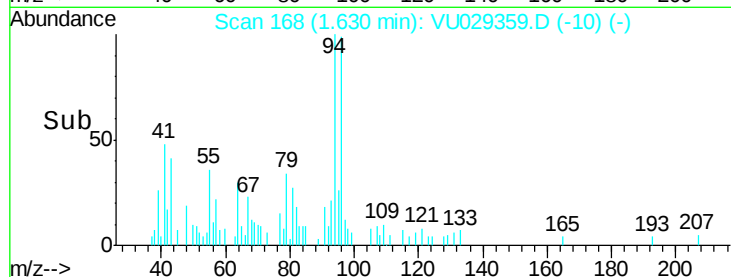
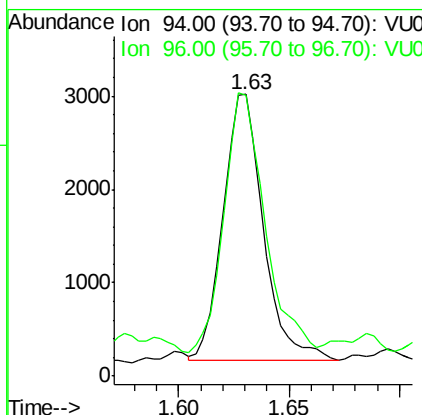
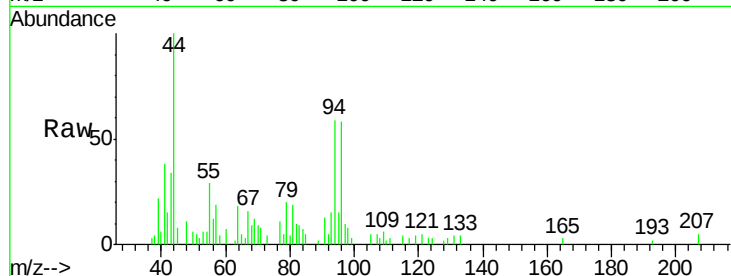
94 100

96 96.4 71.7 107.5

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#6

Chloroethane

Concen: 0.272 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029359.D

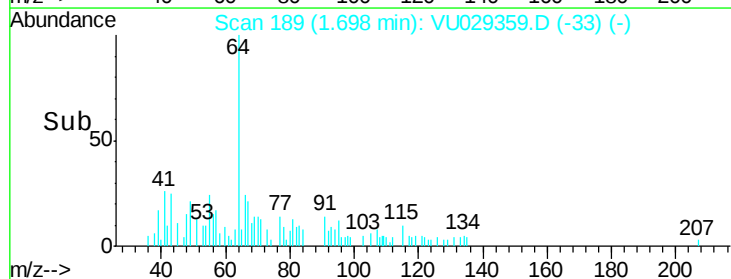
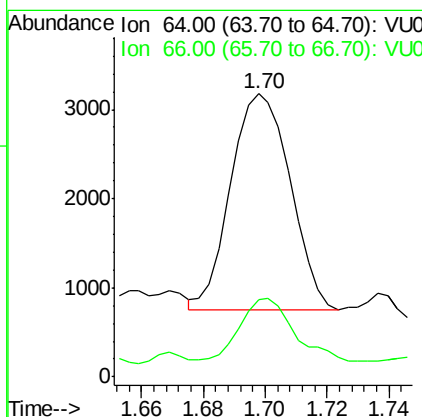
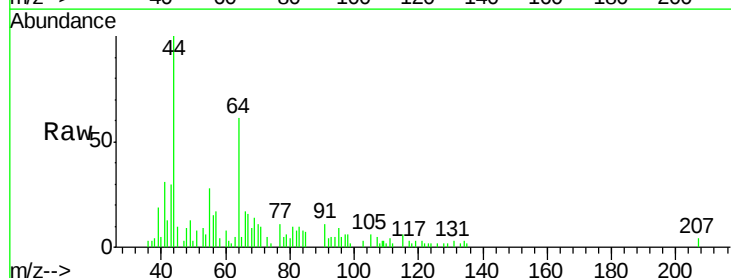
Acq: 06 Feb 2019 12:44

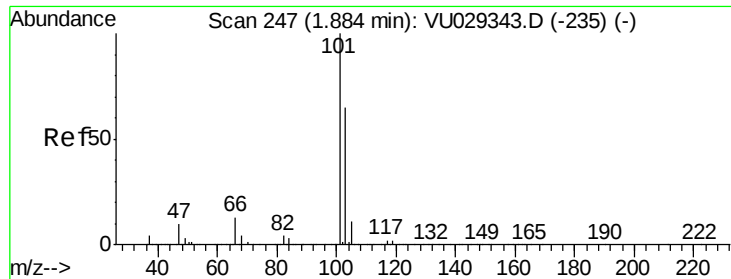
Tgt Ion: 64 Resp: 3225

Ion Ratio Lower Upper

64 100

66 27.8 26.3 39.5





#7

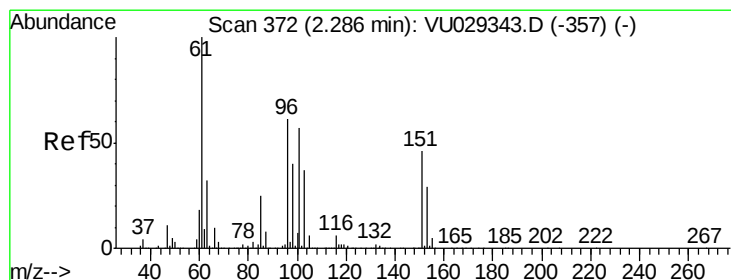
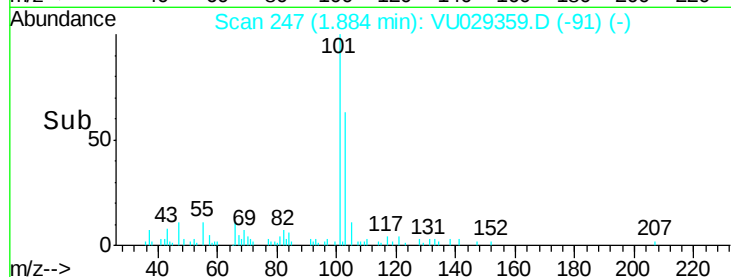
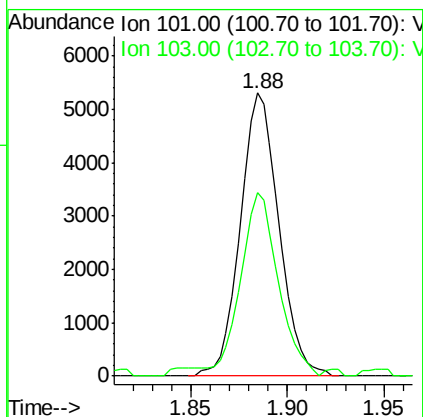
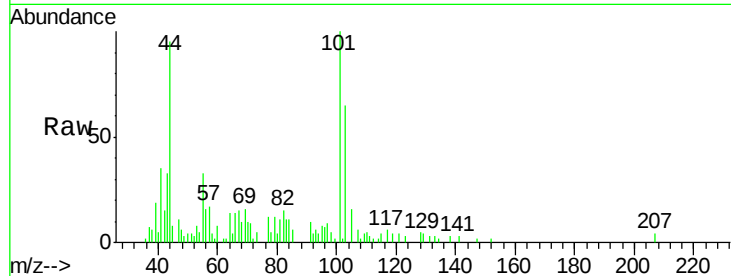
Trichlorofluoromethane
Concen: 0.260 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	53.9	80.9

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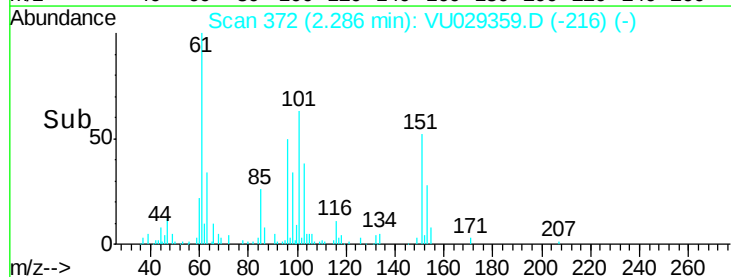
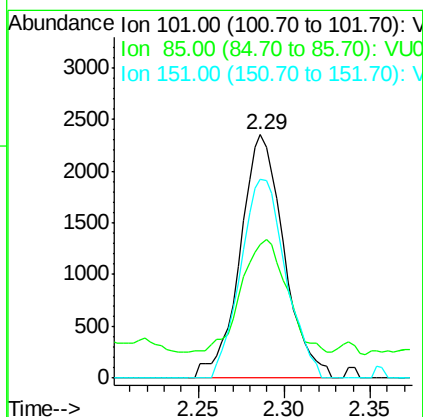
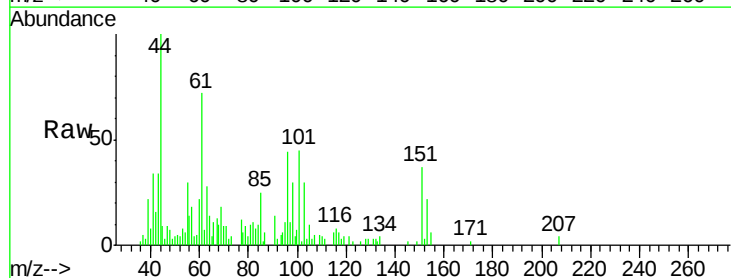
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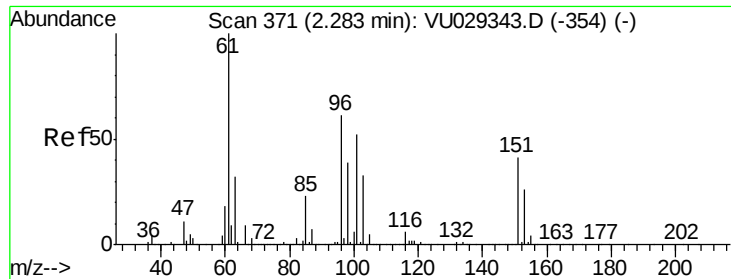


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.278 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.7	40.3	60.5
151	83.8	58.1	87.1





#9

1,1-Dichloroethene

Concen: 0.245 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

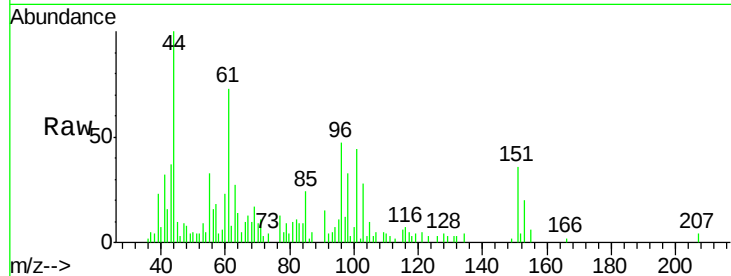
ClientSampleId :

MDL05

Tot Ion:	96	Resp:	3590
Ion	Ratio	Lower	Upper
96	100		
61	174.6	0.0	641.4
98	61.7	0.0	122.6

Manual Integrations
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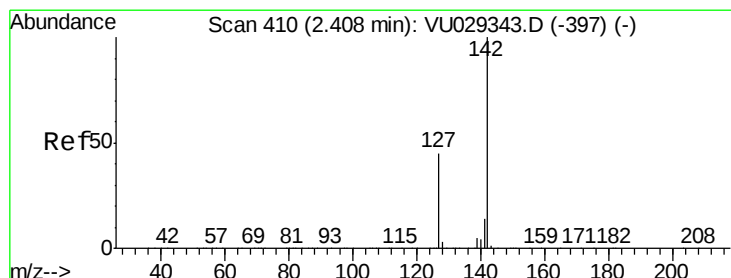
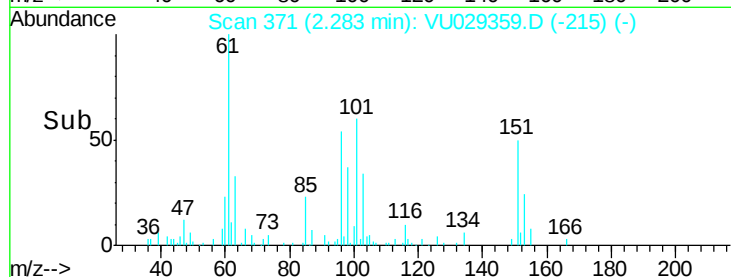


Abundance Ion 96.00 (95.70 to 96.70): VU029343.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU029343.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU029343.D (-354) (-)

Time-->



#10

Iodomethane

Concen: 0.439 ug/l

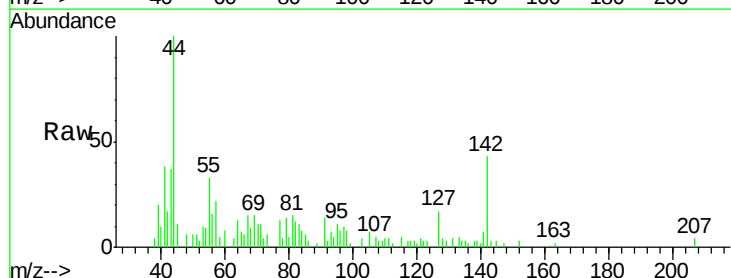
RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

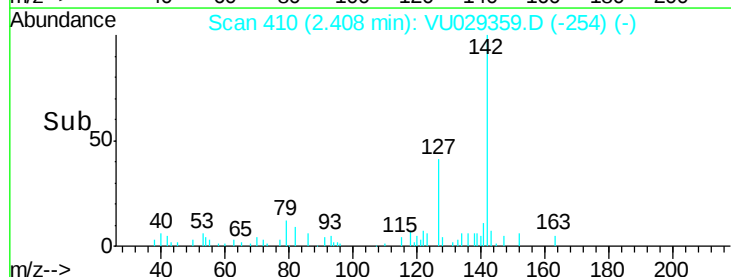
Tgt Ion:	142	Resp:	3137
Ion	Ratio	Lower	Upper
142	100		
127	45.0	47.6	71.4#

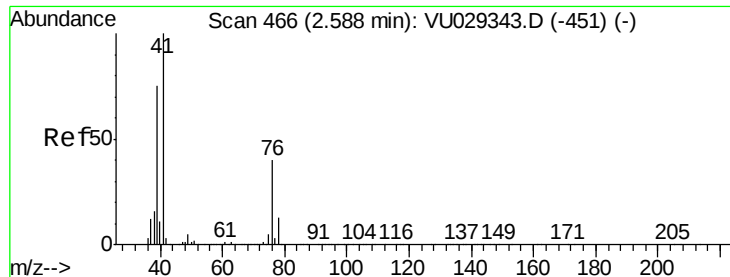


Abundance Ion 142.00 (141.70 to 142.70): VU029343.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU029343.D (-397) (-)

Time-->





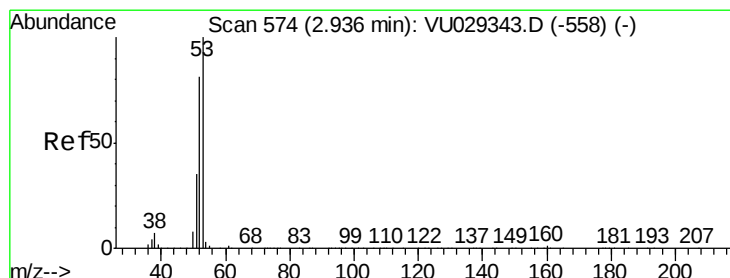
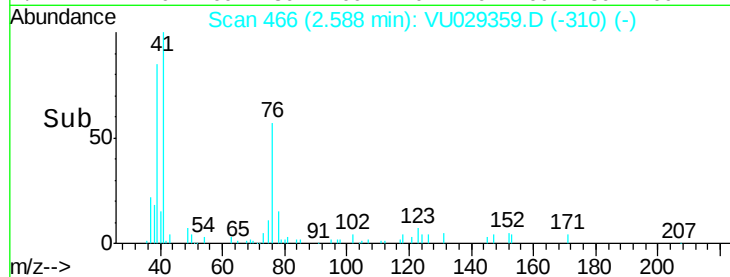
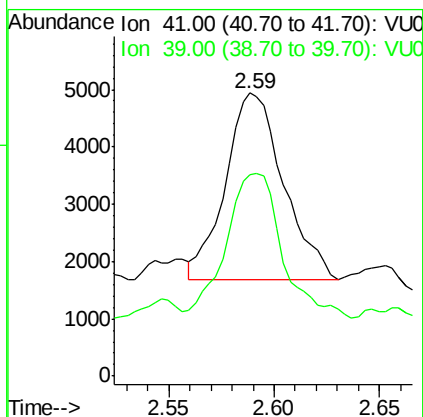
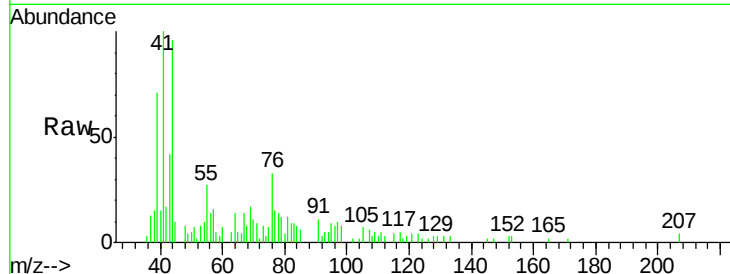
#11
Allvl Chloride
Concen: 0.253 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion: 41 Resp: 6212
Ion Ratio Lower Upper
41 100
39 75.7 67.2 100.8

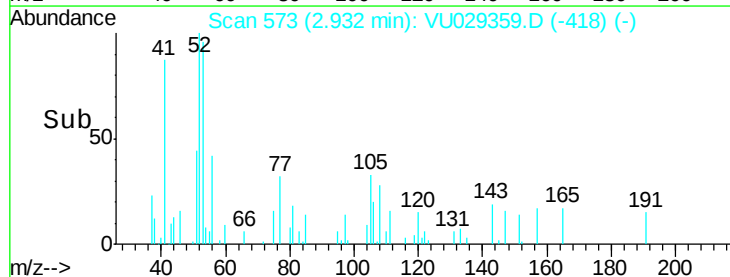
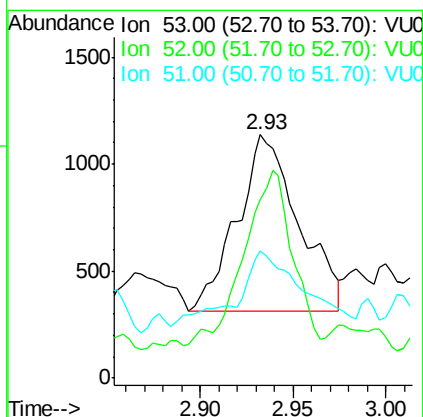
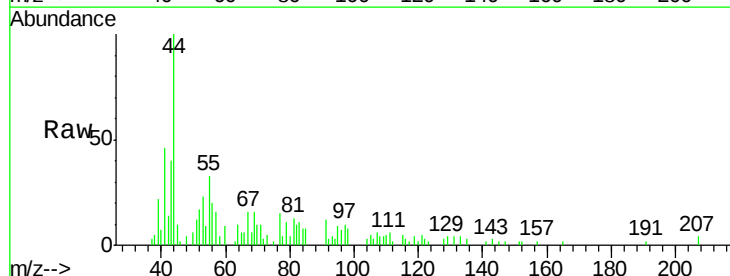
Manual Integrations
APPROVED

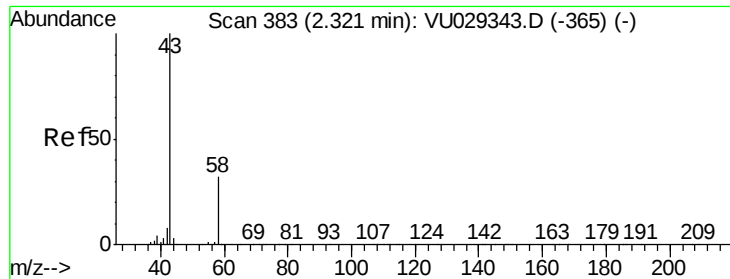
sam
2/8/2019 2:27:31 PM



#12
Acrylonitrile
Concen: 0.578 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion: 53 Resp: 1899
Ion Ratio Lower Upper
53 100
52 78.0 67.6 101.4
51 46.1 31.0 46.4





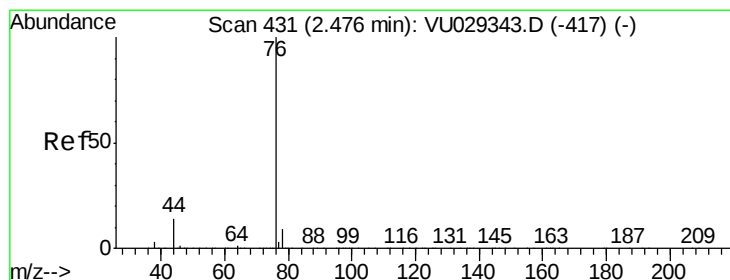
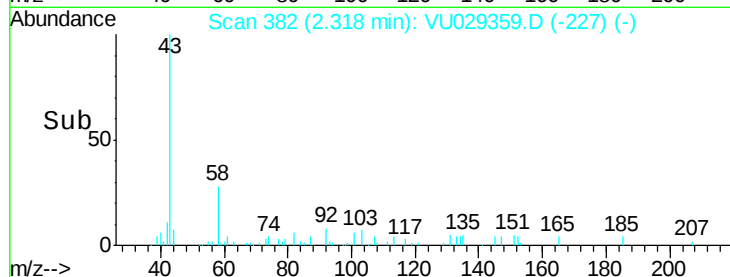
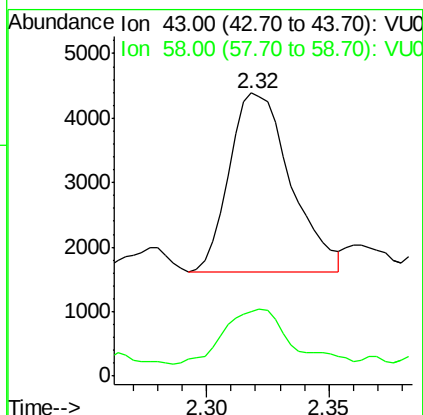
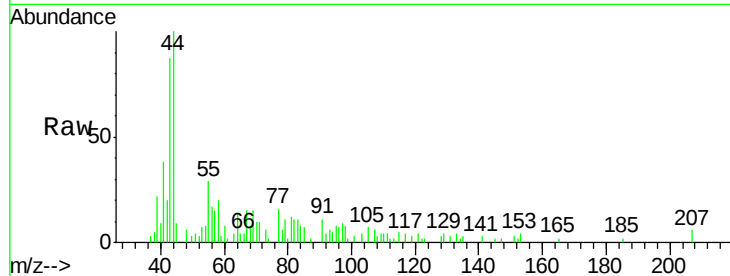
#13
Acetone
Concen: 1.530 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 4843
Ion Ratio Lower Upper
43 100
58 26.6 19.2 28.8

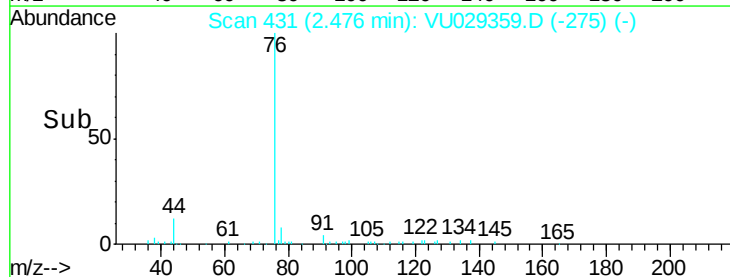
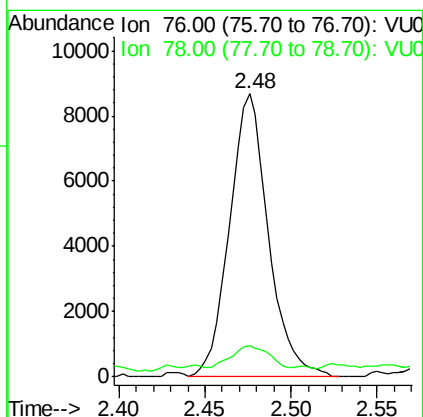
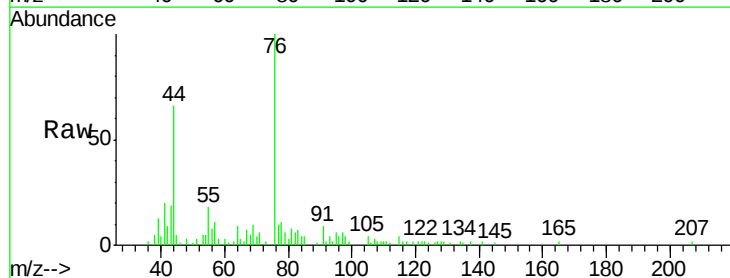
Manual Integrations
APPROVED

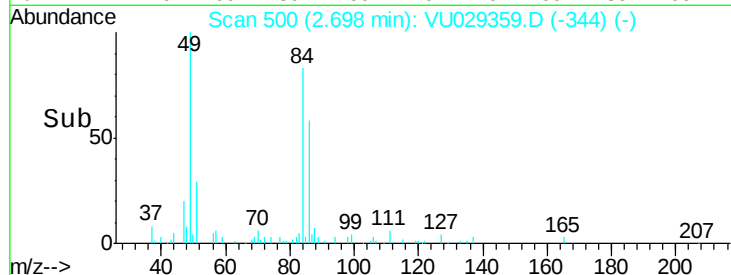
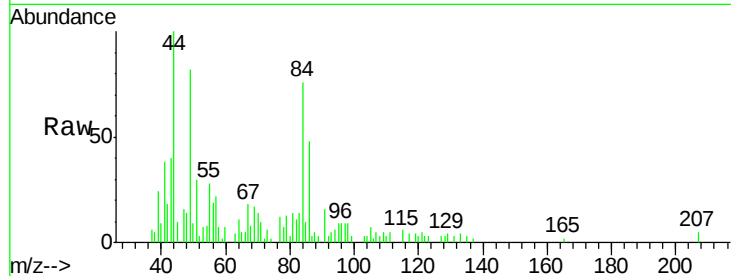
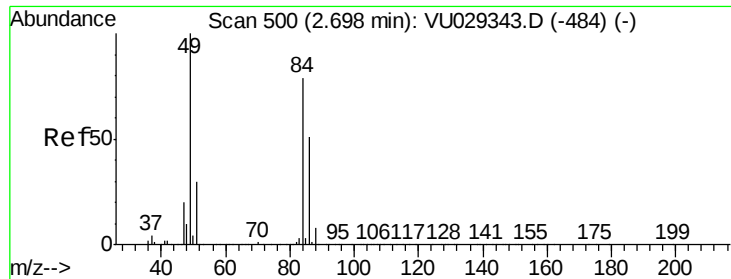
sam
2/8/2019 2:27:31 PM



#14
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion: 76 Resp: 13702
Ion Ratio Lower Upper
76 100
78 6.9 7.1 10.7#





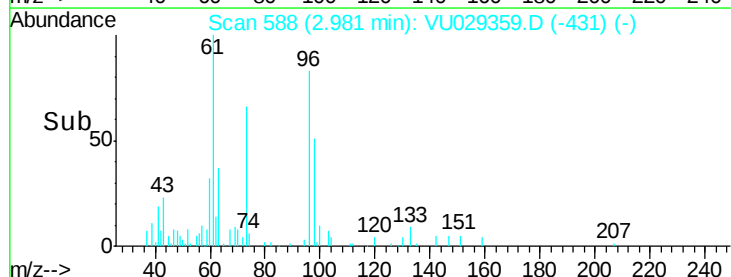
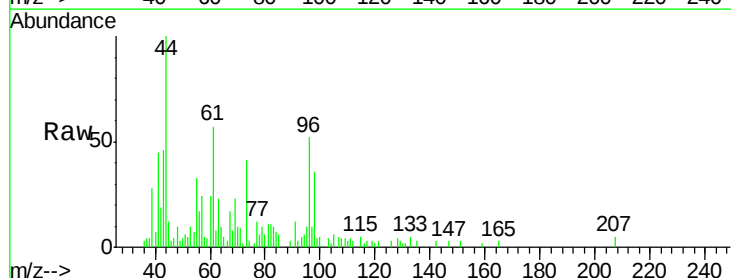
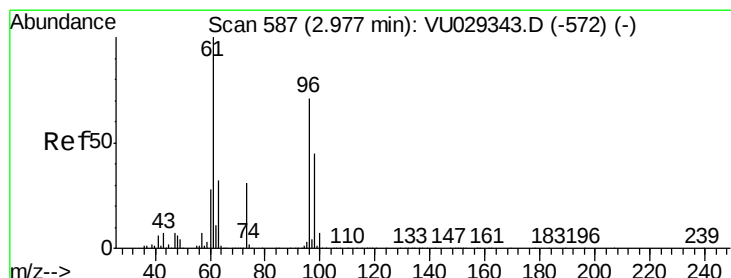
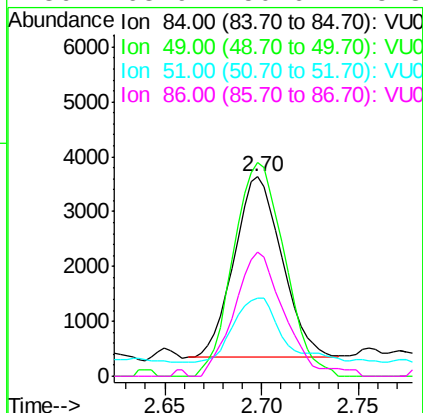
#15
Methvlene Chloride
Concen: 0.320 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tot Ion	Ratio	Lower	Upper
84	100		
49	118.2	127.0	190.6#
51	34.9	0.0	93.4
86	68.9	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
MDL05

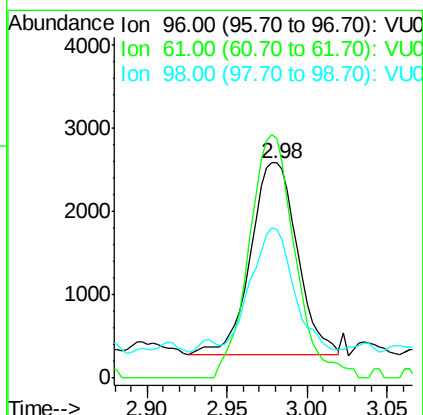
Manual Integrations
APPROVED

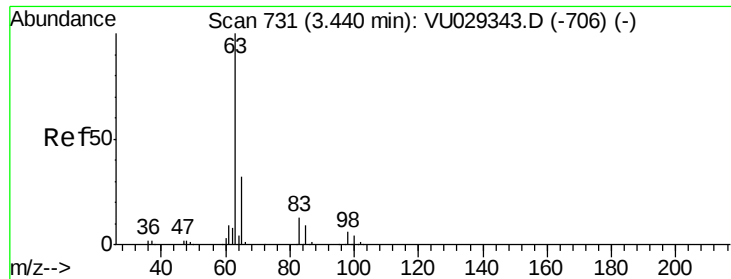
sam
2/8/2019 2:27:31 PM



#16
trans-1,2-Dichloroethene
Concen: 0.280 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.0	140.6	210.8#
98	64.6	49.3	73.9





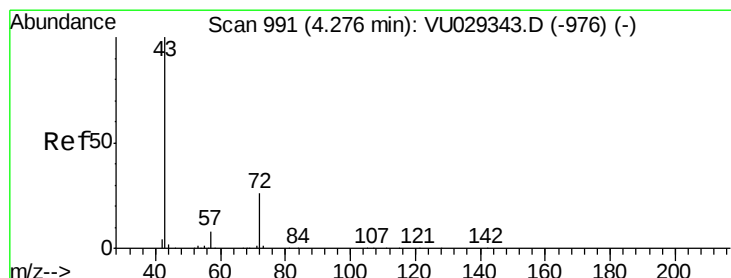
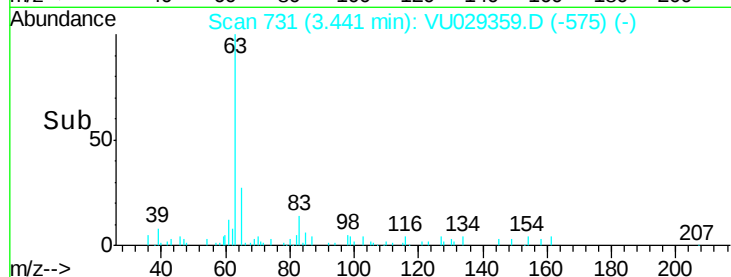
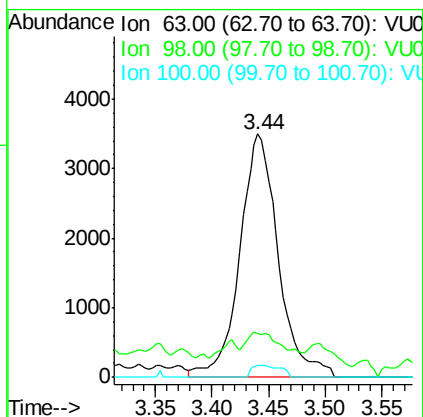
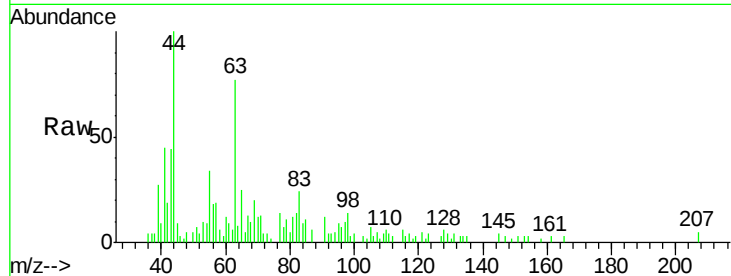
#17
 1,1-Dichloroethane
 Concen: 0.318 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	9.8	2.9	8.8#	
100	4.7	1.7	5.1	

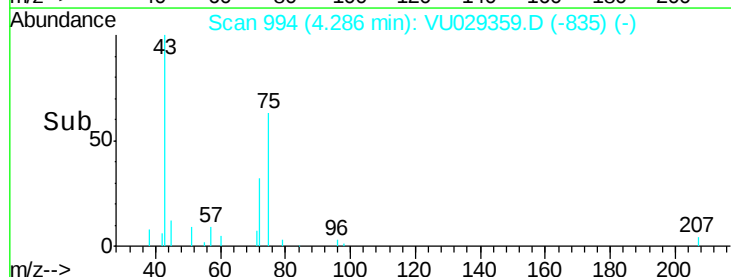
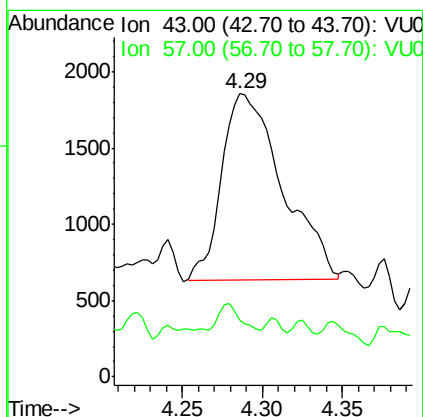
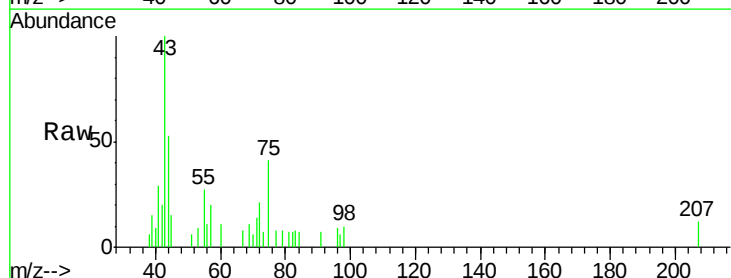
Manual Integrations
 APPROVED

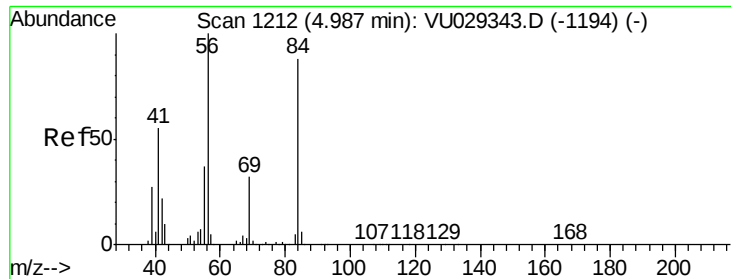
sam
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#18
 2-Butanone
 Concen: 0.900 ug/l
 RT: 4.29 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	5.2	0.0	15.8	





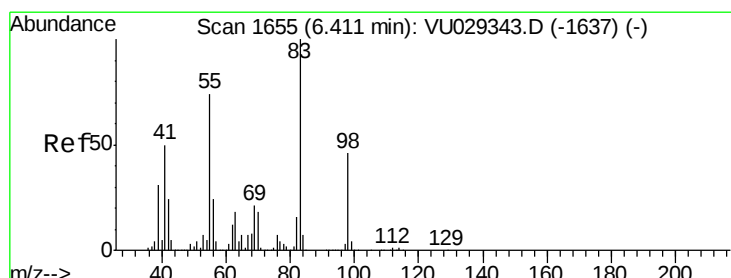
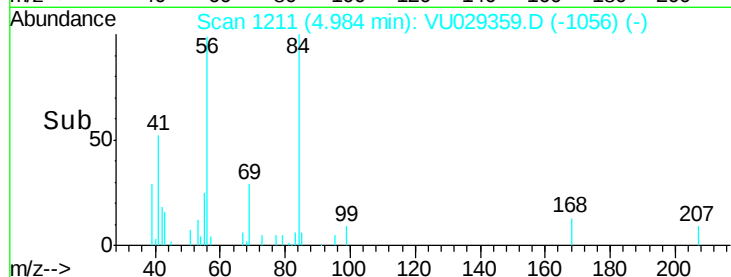
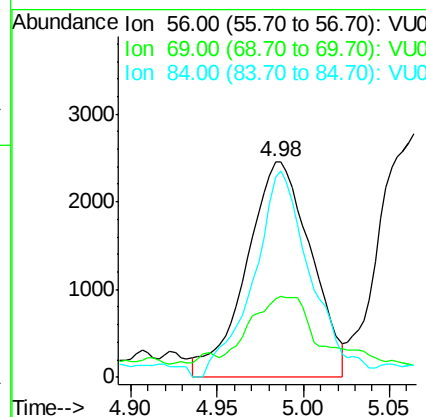
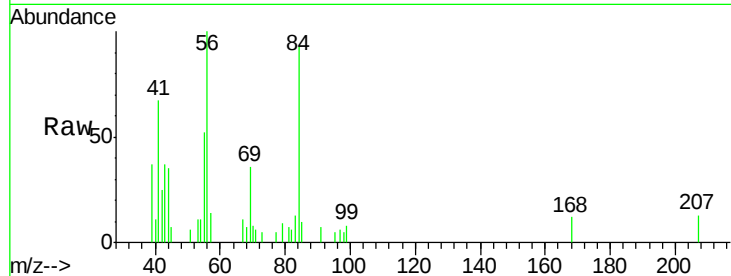
#19
Cyclohexane
Concen: 0.265 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	26.8	40.2
84	80.4	71.5	107.3

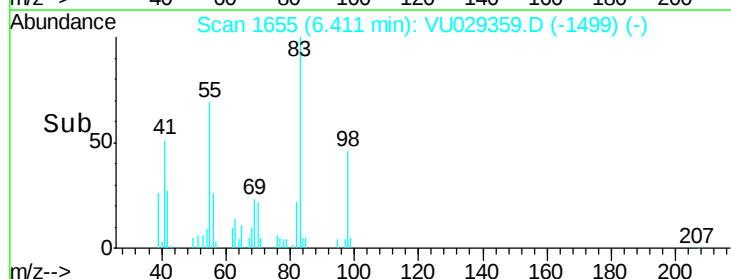
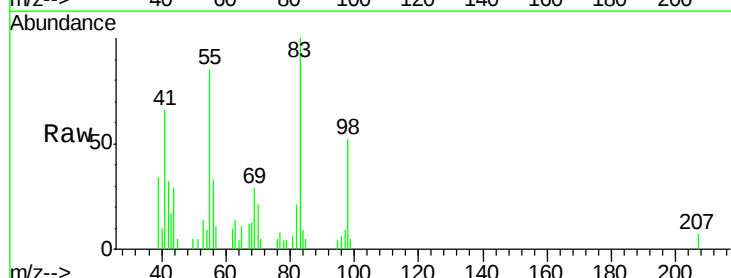
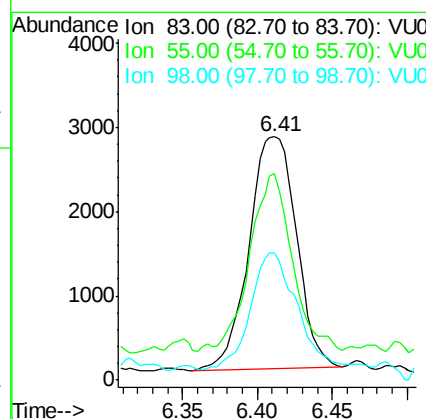
Manual Integrations
APPROVED

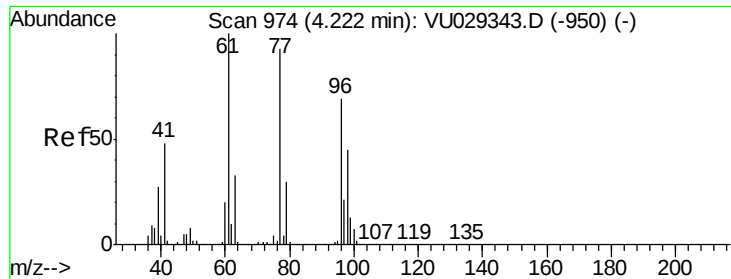
sam
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#20
Methylcyclohexane
Concen: 0.240 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.5	72.4	108.6#
98	45.4	36.6	54.8





#21

2,2-Dichloropropane

Concen: 0.308 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 77 Resp: 7397

Ion Ratio Lower Upper

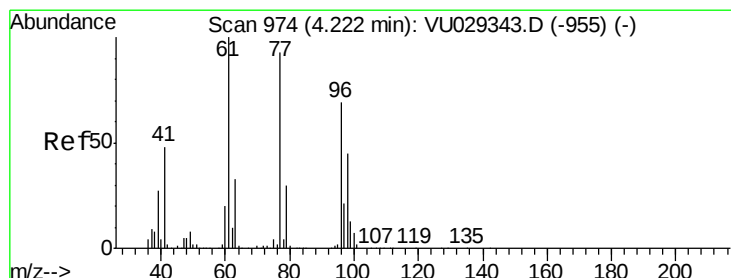
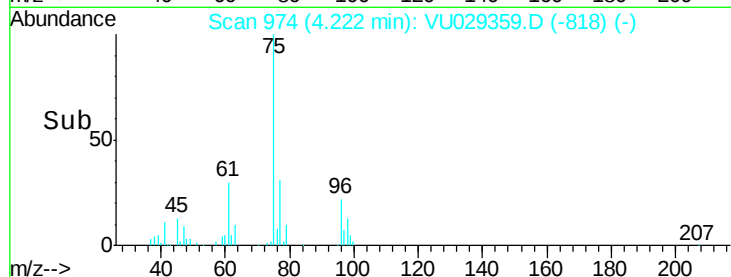
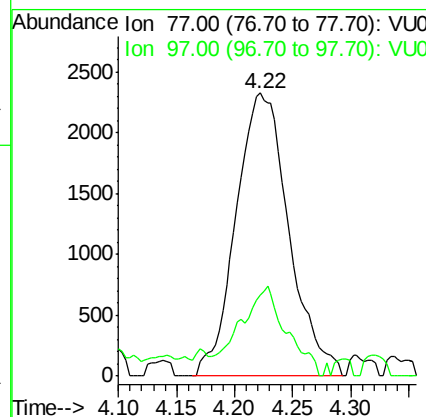
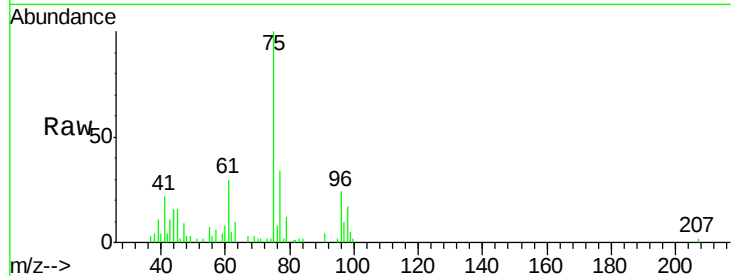
77 100

97 28.2 15.6 23.4#

Manual Integrations
APPROVED

sam

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#22

cis-1,2-Dichloroethene

Concen: 0.285 ug/l

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

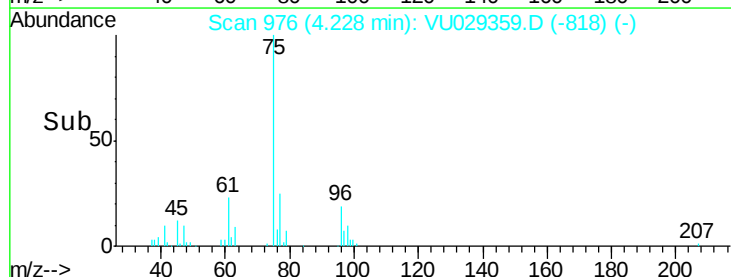
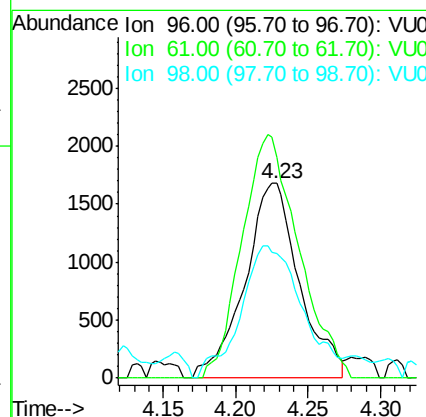
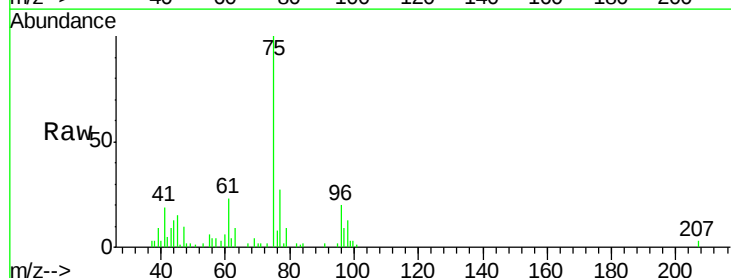
Tgt Ion: 96 Resp: 4397

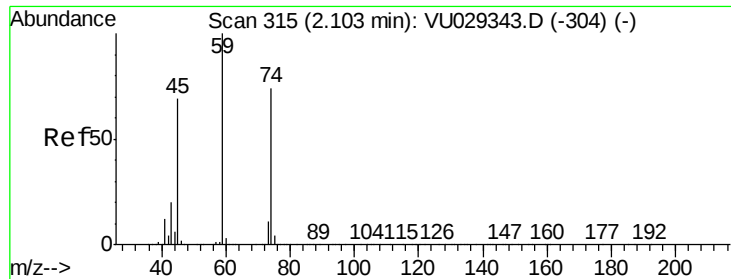
Ion Ratio Lower Upper

96 100

61 130.0 0.0 460.0

98 76.6 32.6 97.7





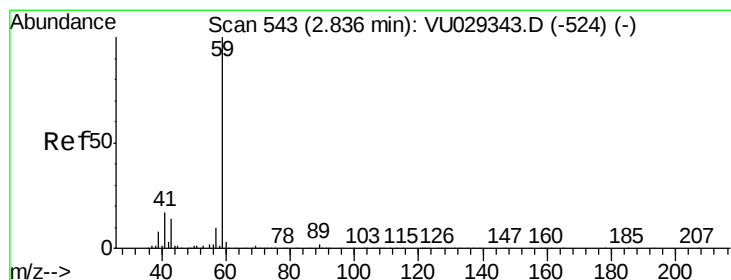
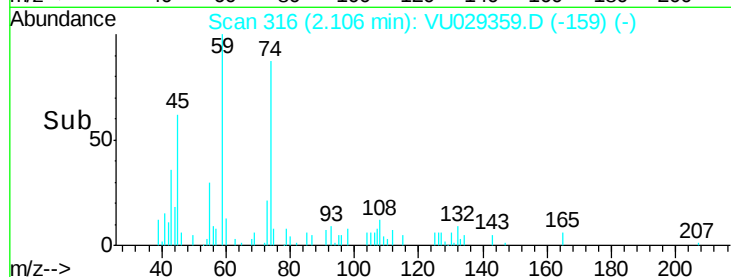
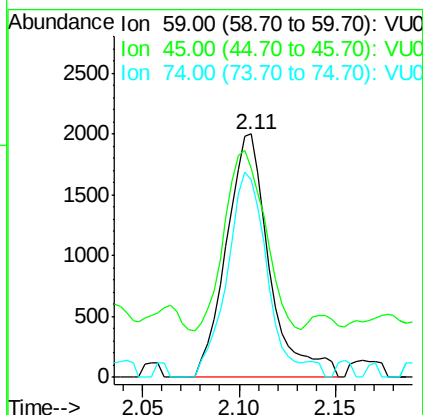
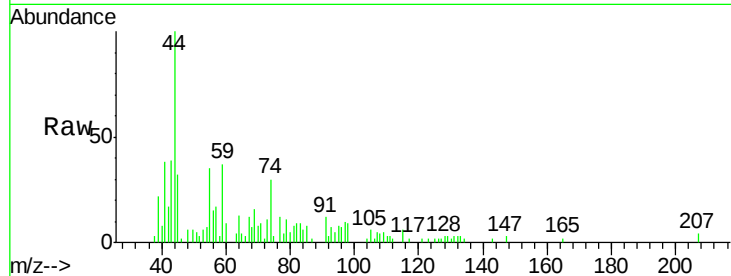
#23
Diethyl Ether
Concen: 0.262 ug/l
RT: 2.11 min Scan# 316
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.0	64.2	96.4
74	77.1	55.3	82.9

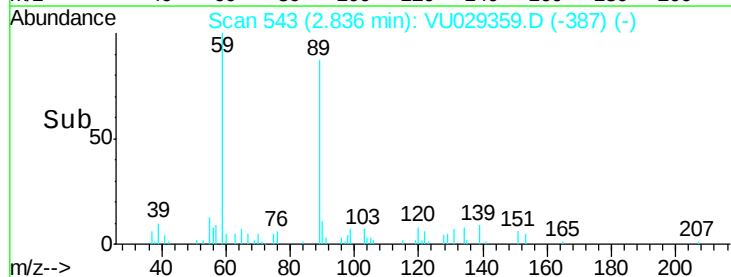
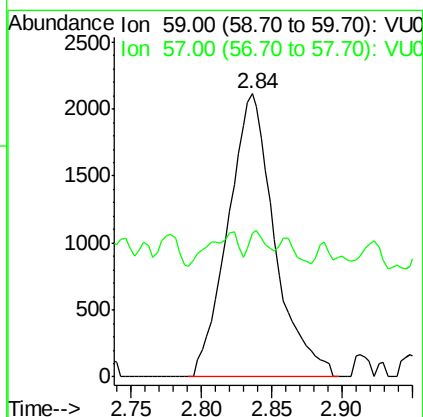
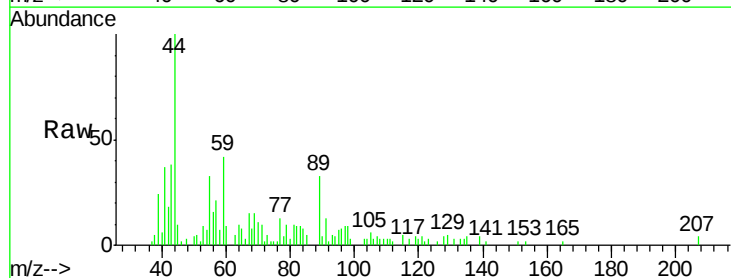
Manual Integrations
APPROVED

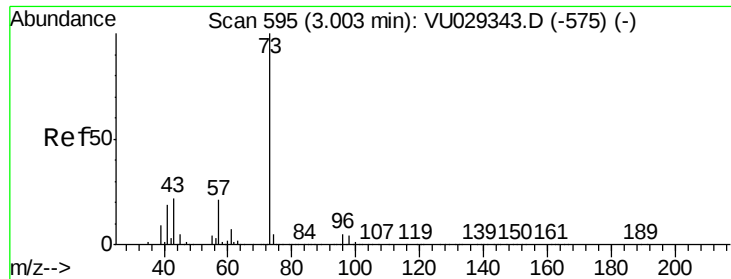
sam
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#24
tert-Butyl Alcohol
Concen: 3.988 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.4	8.8	13.2#





#25

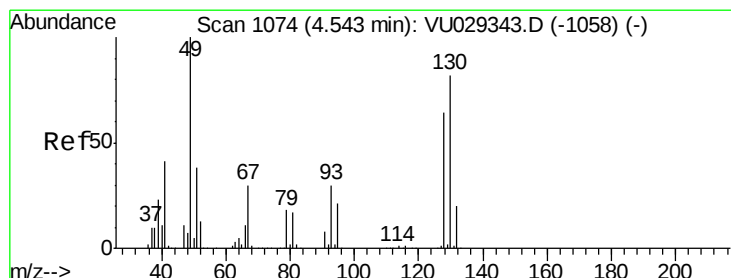
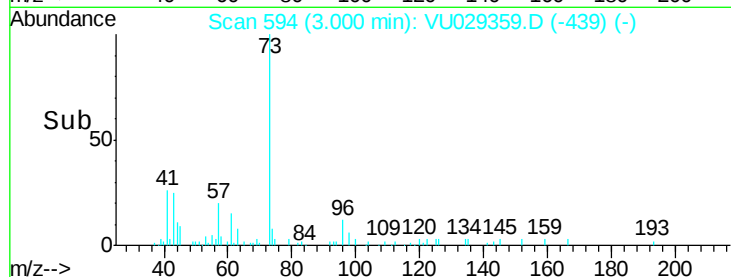
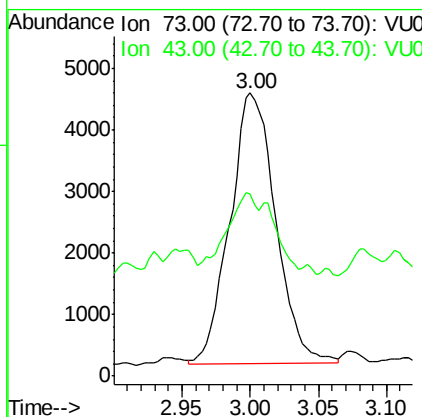
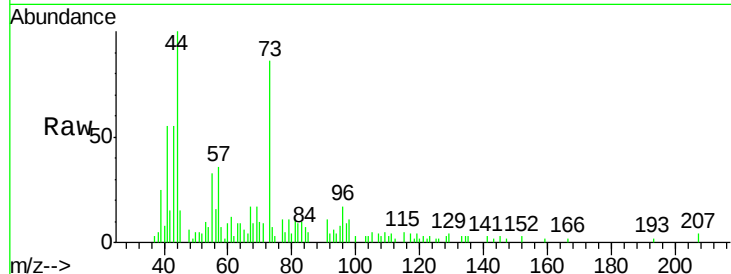
Methyl tert-Butyl Ether
Concen: 0.248 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion: 73 Resp: 10247
Ion Ratio Lower Upper
73 100
43 16.9 22.1 33.1#

Manual Integrations
APPROVED

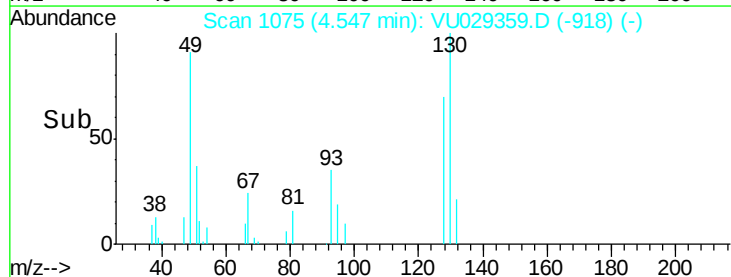
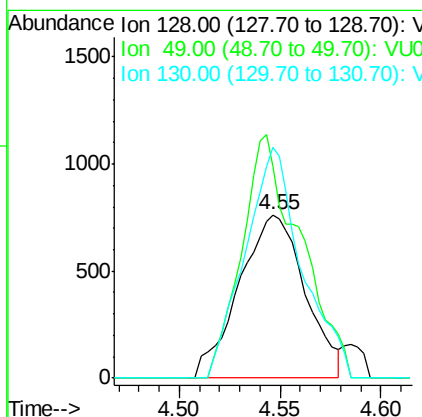
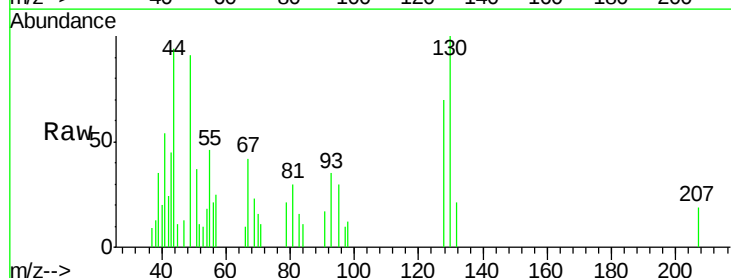
sam
2/8/2019 2:27:31 PM

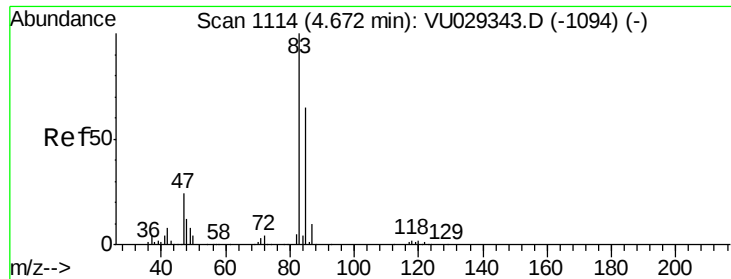


#26

Bromochloromethane
Concen: 0.254 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion: 128 Resp: 1733
Ion Ratio Lower Upper
128 100
49 132.5 0.0 401.6
130 122.4 108.0 162.0





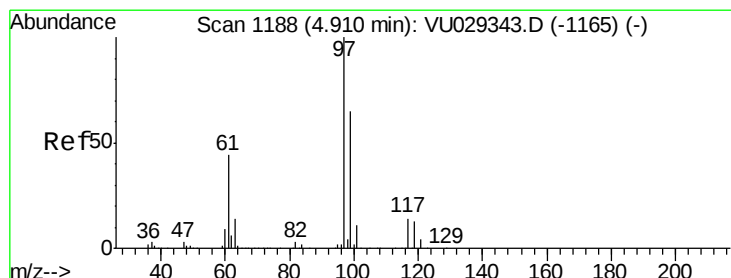
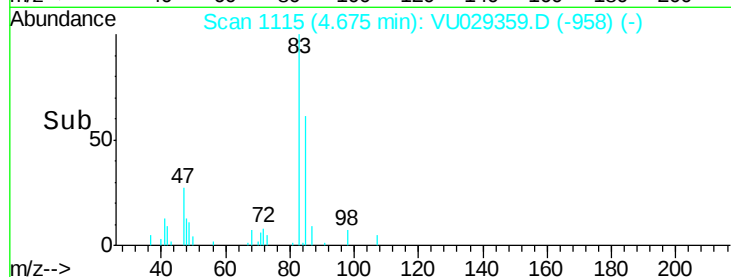
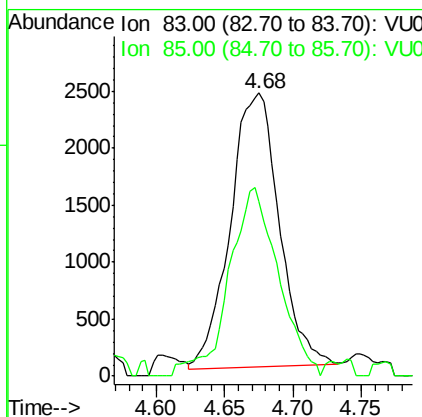
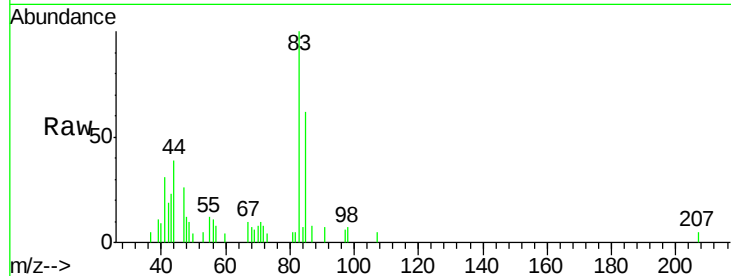
#27
Chloroform
Concen: 0.238 ug/l
RT: 4.68 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion	83	Resp	6007
Ion Ratio	100	Lower	Upper
85	60.2	0.0	126.6

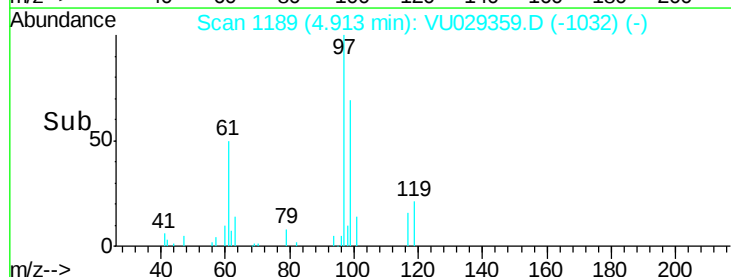
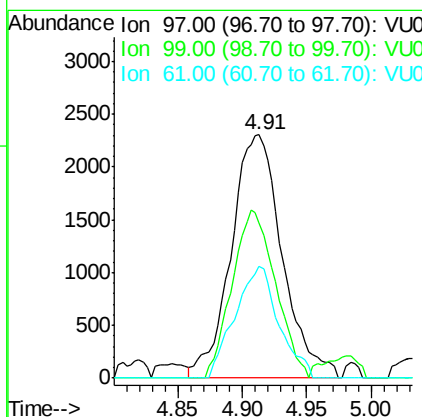
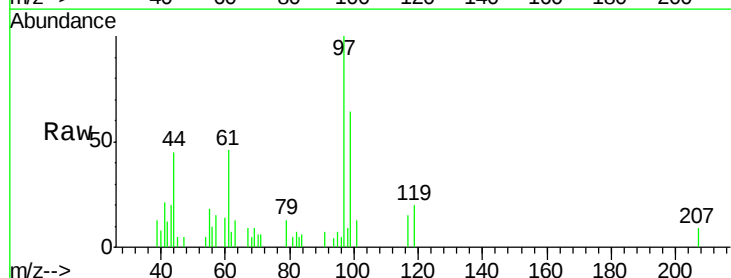
Manual Integrations
APPROVED

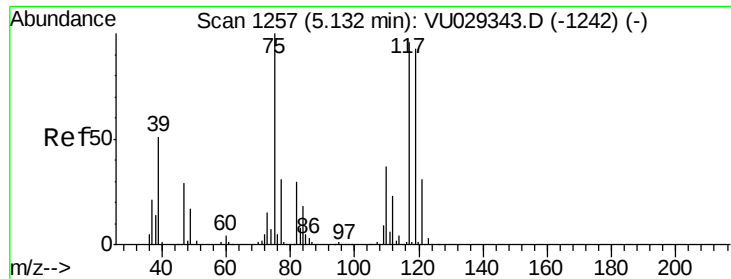
sam
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#28
1,1,1-Trichloroethane
Concen: 0.272 ug/l
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	97	Resp	6355
Ion Ratio	100	Lower	Upper
99	58.6	32.4	97.2
61	39.3	24.4	73.2





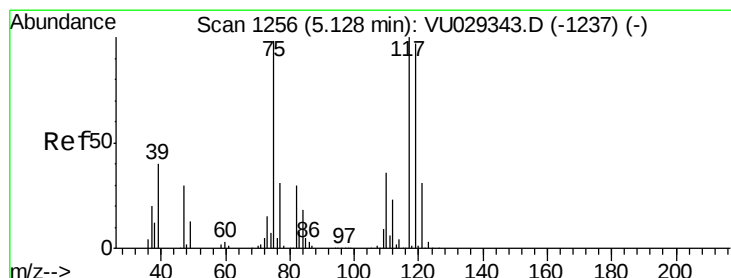
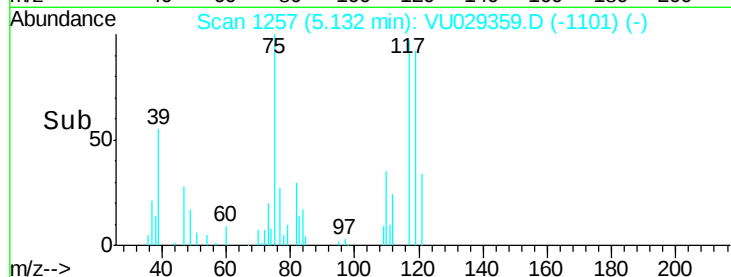
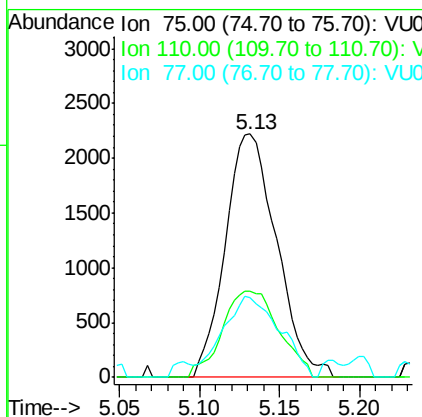
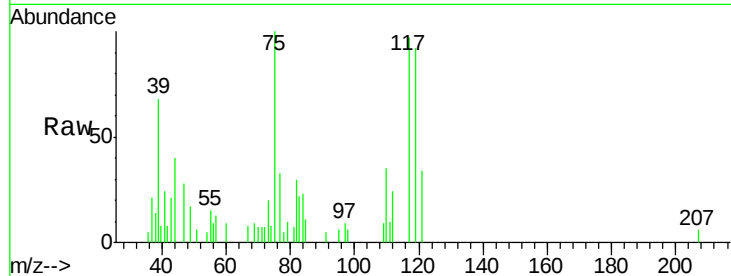
#29
 1,1-Dichloropropene
 Concen: 0.240 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.1	15.4	46.2
77	36.9	24.1	36.1#

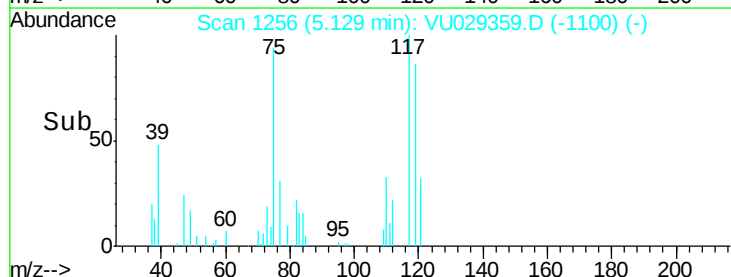
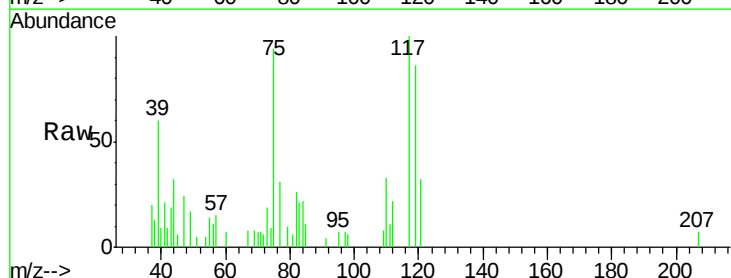
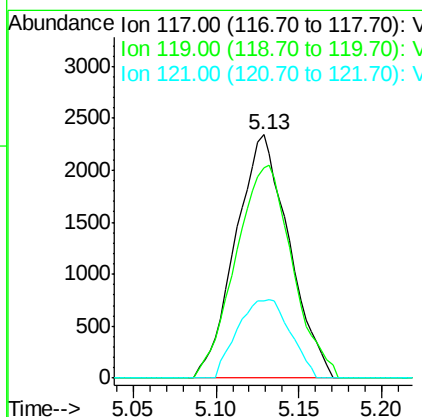
Manual Integrations
 APPROVED

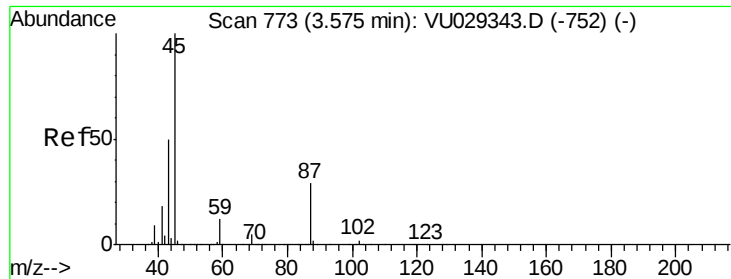
sam
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#30
 Carbon Tetrachloride
 Concen: 0.248 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.8	115.2
121	32.0	24.4	36.6





#31

Isopropyl Ether

Concen: 0.225 ug/l

RT: 3.58 min Scan# 774

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 45 Resp: 8802

Ion Ratio Lower Upper

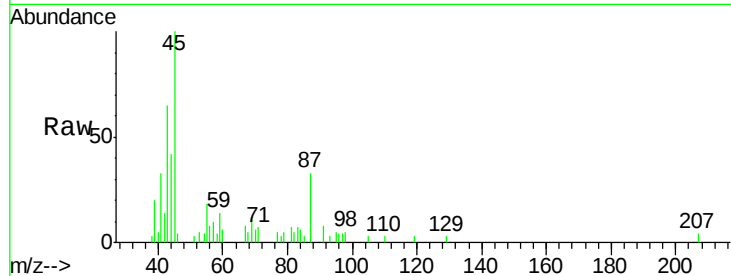
45 100

43 50.4 28.4 85.3

Manual Integrations
APPROVED

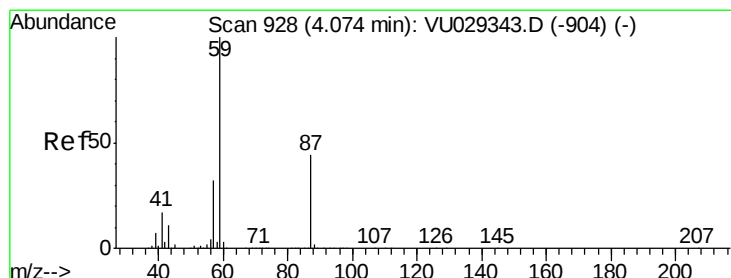
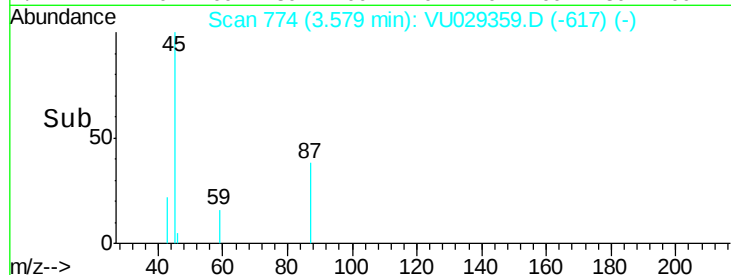
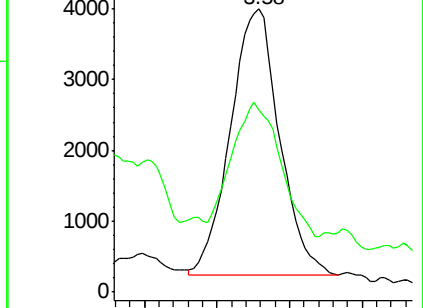
sam

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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: 0.223 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029359.D

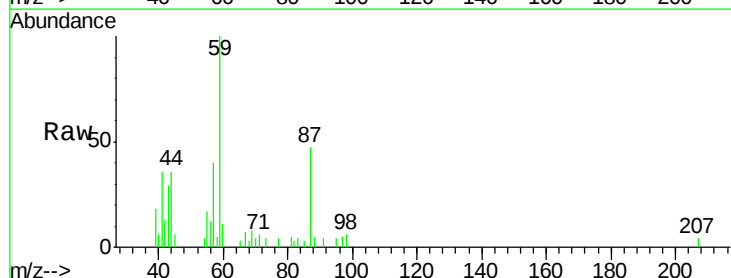
Acq: 06 Feb 2019 12:44

Tgt Ion: 59 Resp: 8752

Ion Ratio Lower Upper

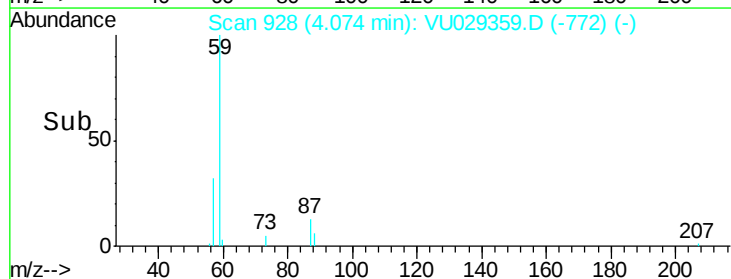
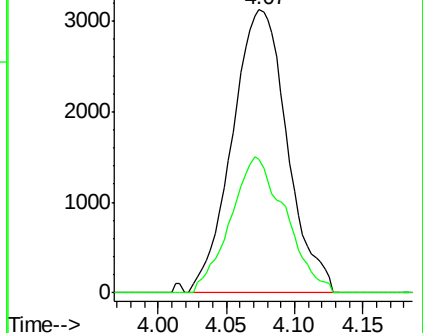
59 100

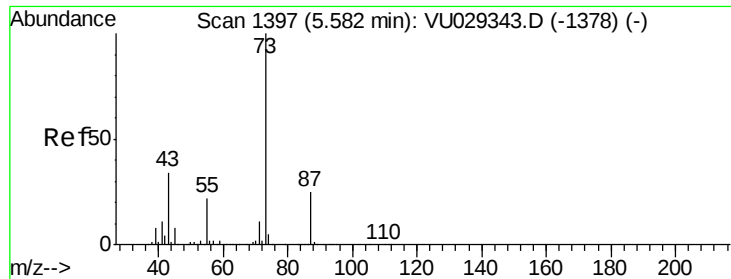
87 48.2 31.1 46.7#



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

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





#33

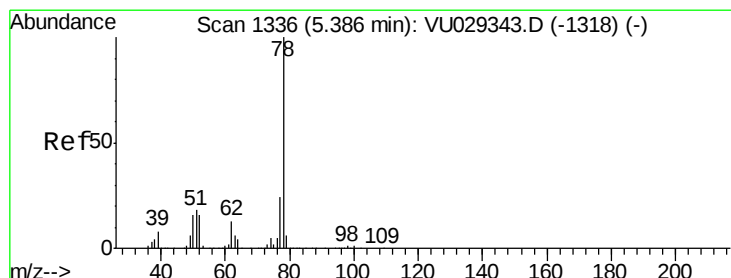
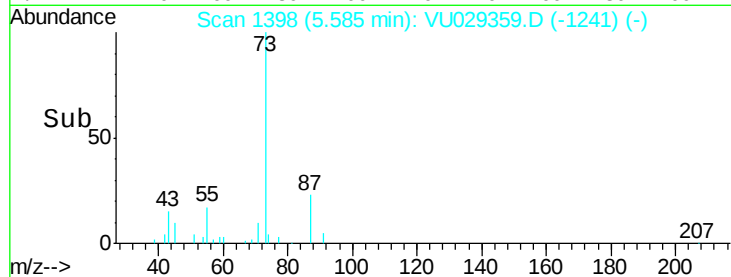
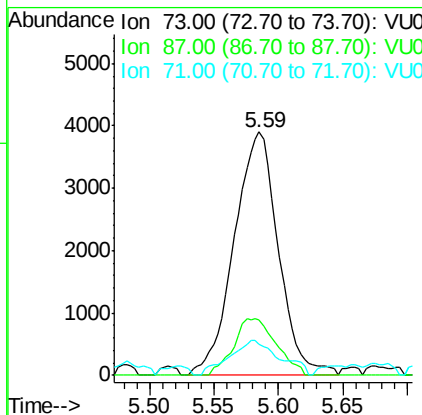
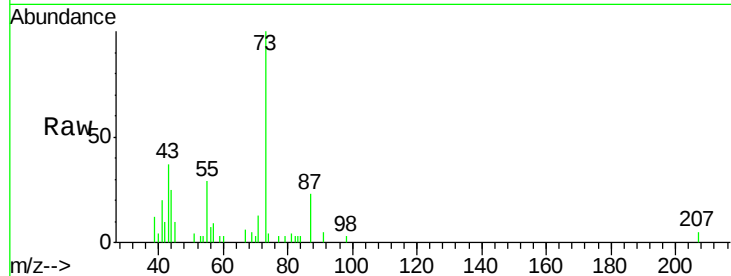
Tert-Butyl methyl ether
 Concen: 0.263 ug/l
 RT: 5.59 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.3	19.4	29.0
71	16.2	9.0	13.4

Manual Integrations
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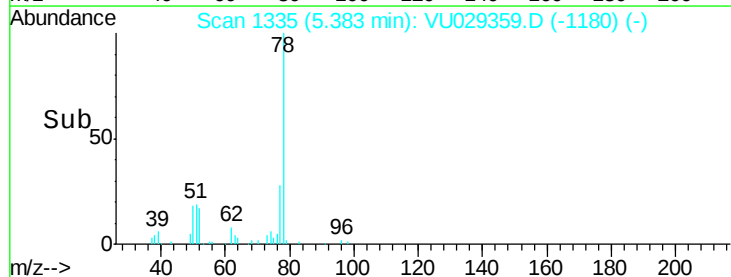
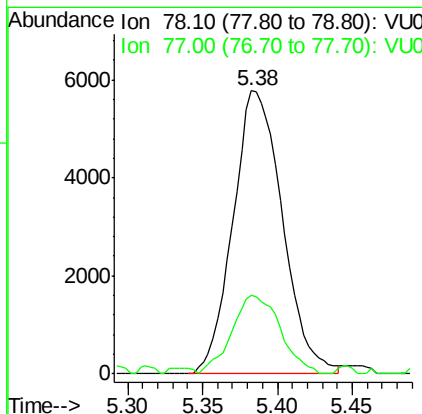
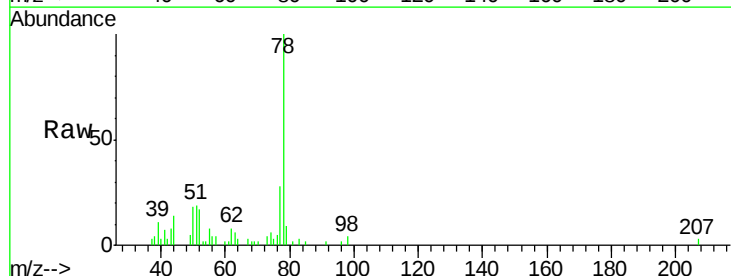
sam
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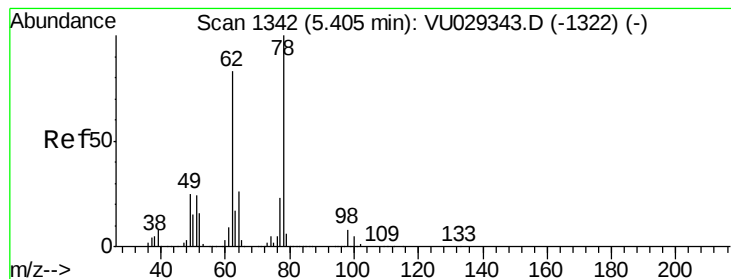


#35

Benzene
 Concen: 0.237 ug/l
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.8	29.8





#36

1,2-Dichloroethane

Concen: 0.216 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 3664

Ion Ratio Lower Upper

62 100

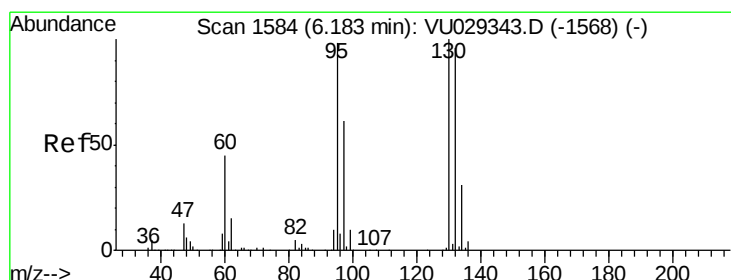
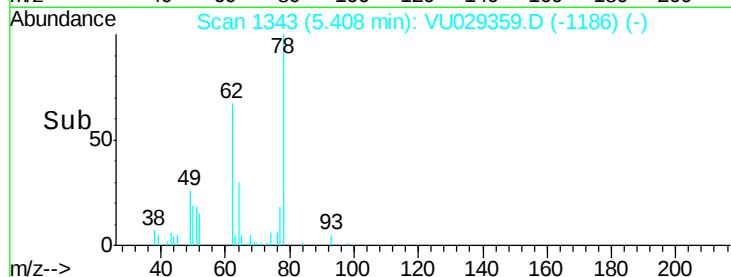
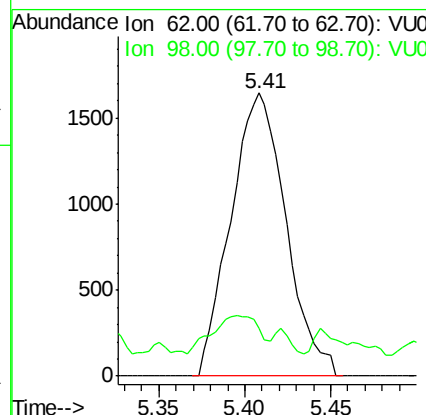
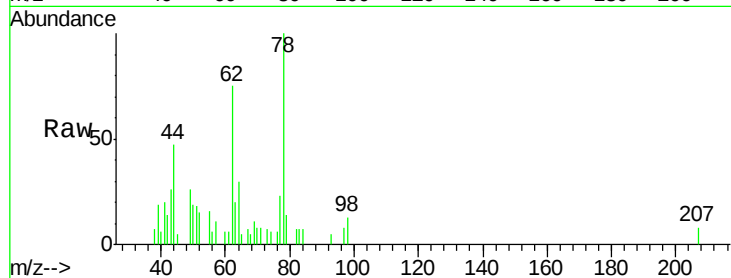
98 2.3 4.9 7.3#

Manual Integrations

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#37

Trichloroethene

Concen: 0.235 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029359.D

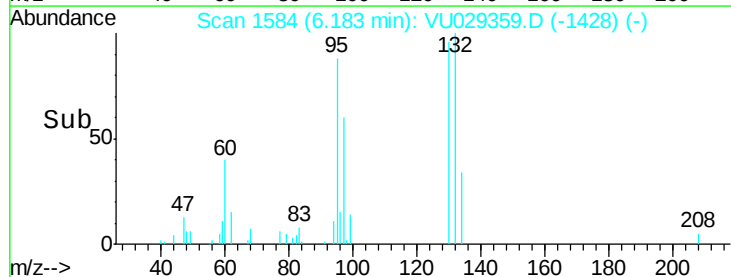
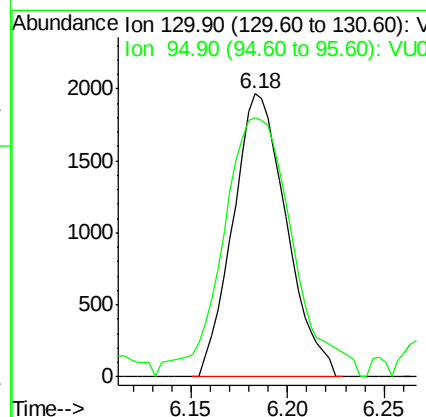
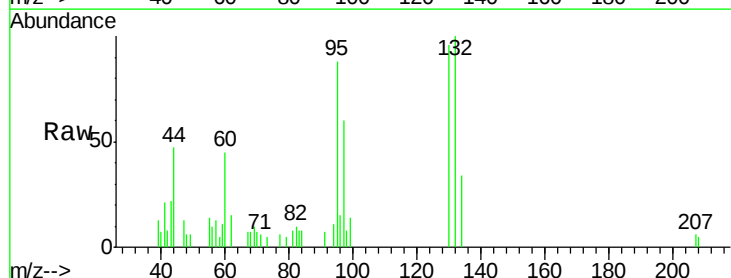
Acq: 06 Feb 2019 12:44

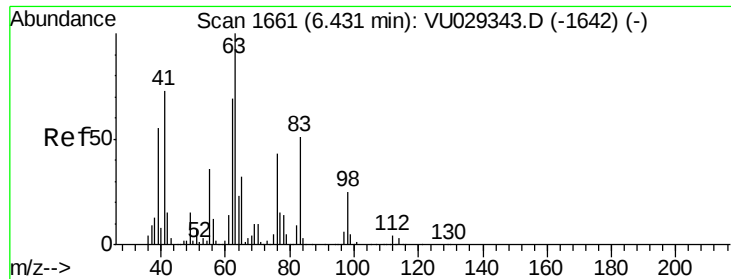
Tgt Ion:130 Resp: 3785

Ion Ratio Lower Upper

130 100

95 83.5 85.4 128.0#





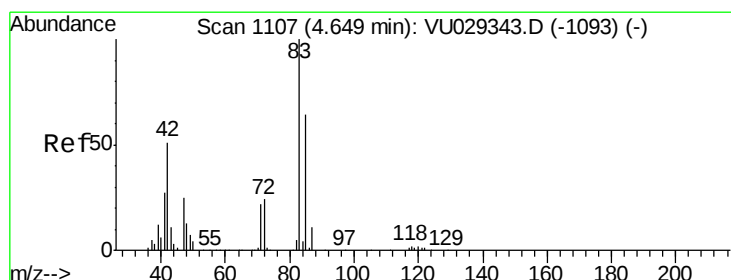
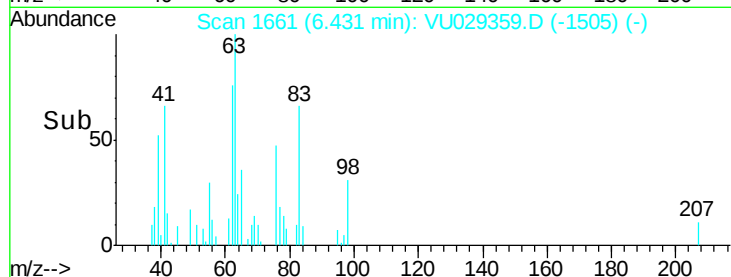
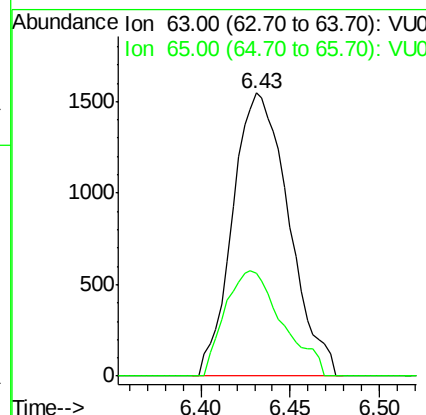
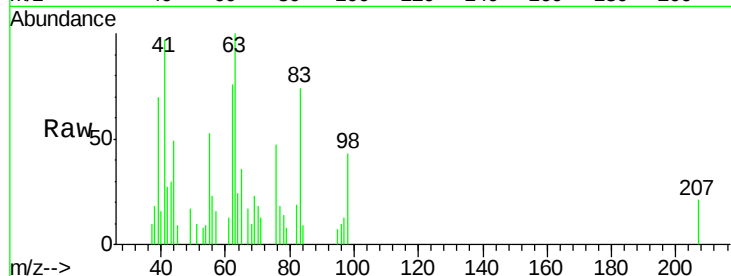
#38
 1,2-Dichloropropane
 Concen: 0.232 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	36.2	25.5	38.3

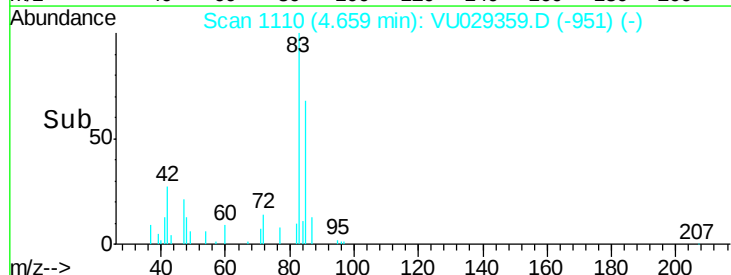
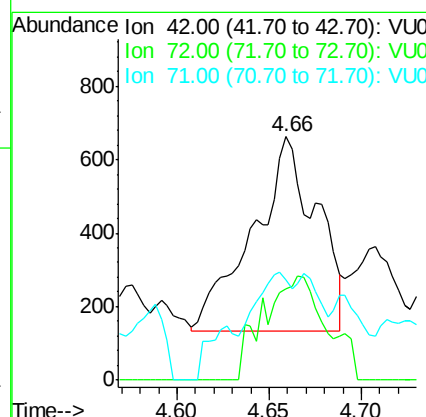
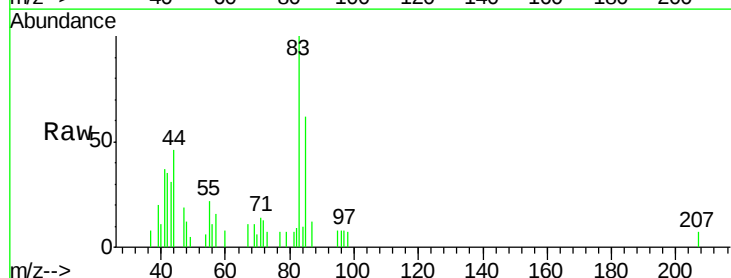
Manual Integrations
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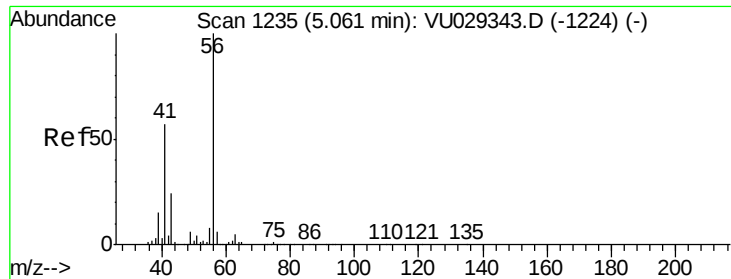
sam
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#41
 Tetrahydrofuran
 Concen: 0.526 ug/l m
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
42	100		
72	47.9	33.1	49.7
71	16.3	30.2	45.2#





#42

1-Chlorobutane

Concen: 0.220 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion: 56 Resp: 5997

Ion Ratio Lower Upper

56 100

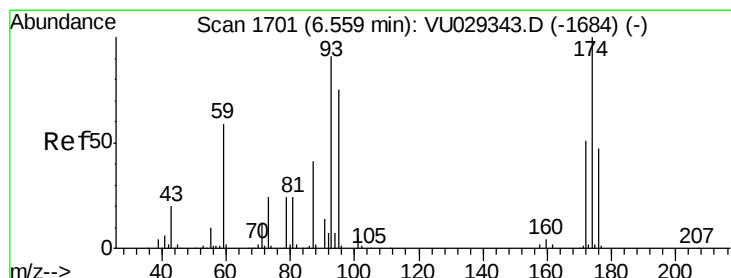
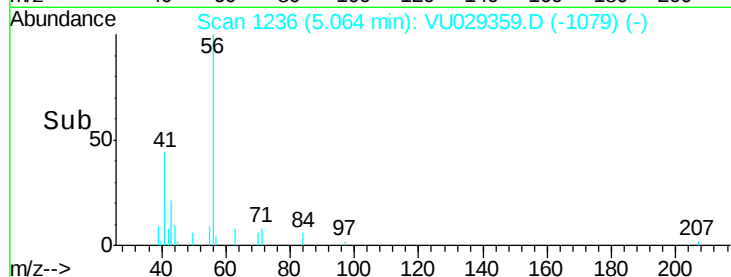
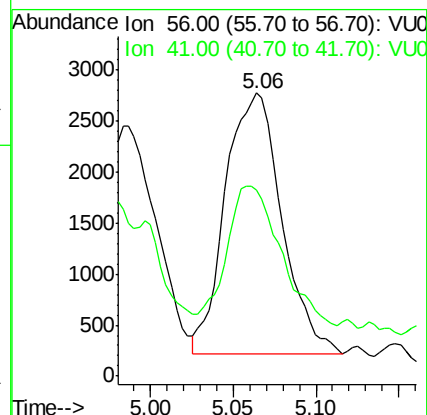
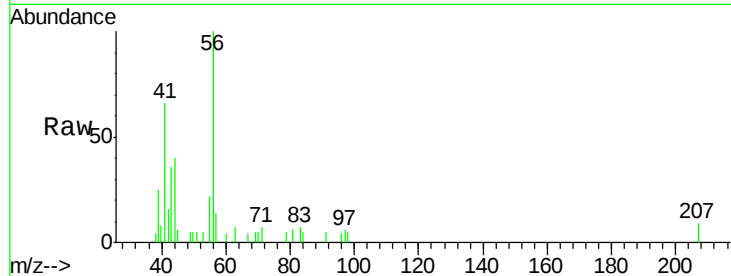
41 51.0 31.3 93.8

Manual Integrations

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sam

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#43

Dibromomethane

Concen: 0.232 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

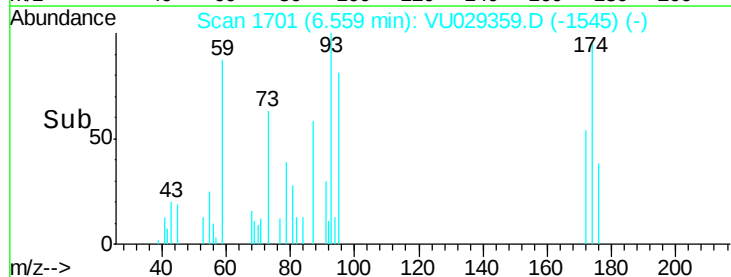
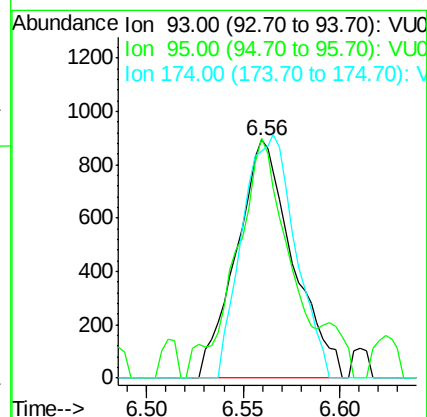
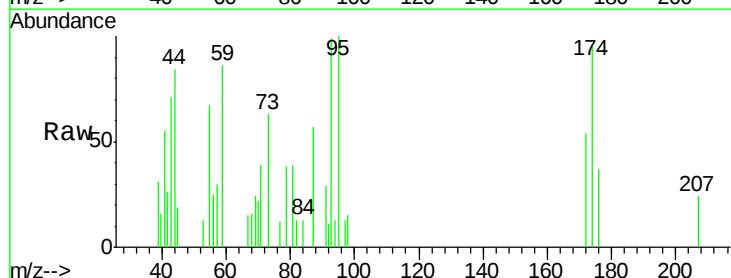
Tgt Ion: 93 Resp: 1811

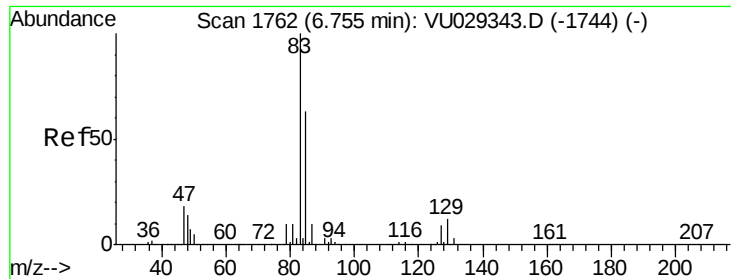
Ion Ratio Lower Upper

93 100

95 92.7 68.2 102.2

174 95.9 77.6 116.4





#44

Bromodichloromethane

Concen: 0.225 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

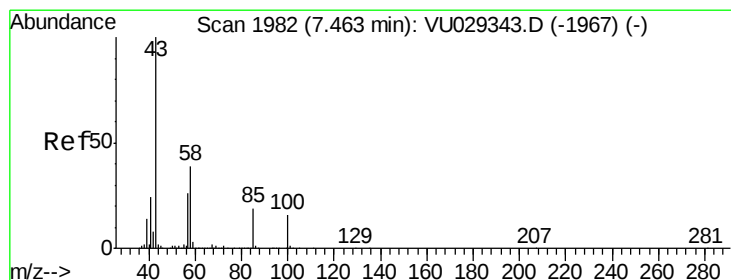
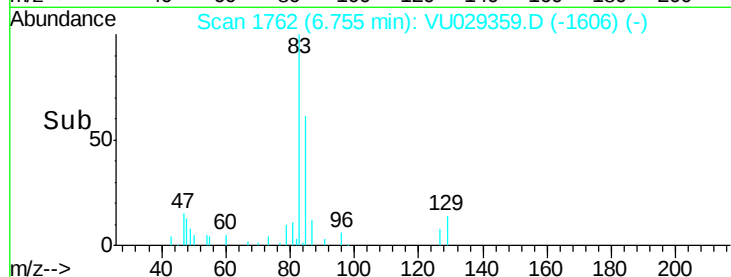
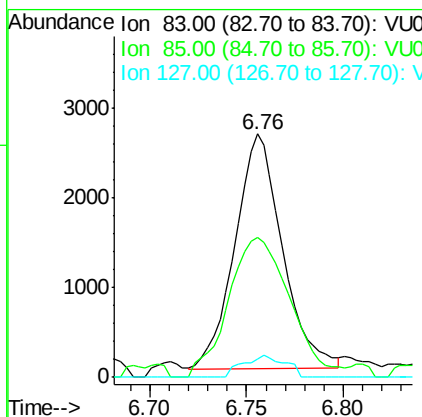
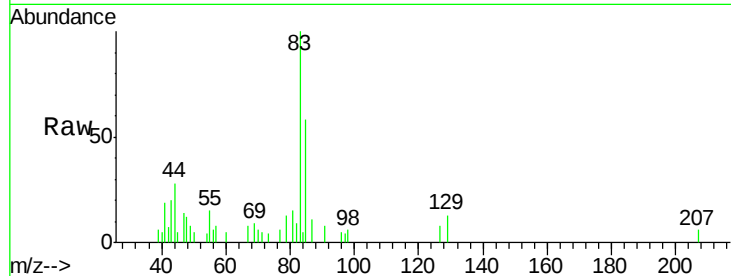
ClientSampleId :

MDL05

Tot Ion:	83	Resp:	4474
Ion	Ratio	Lower	Upper
83	100		
85	59.9	49.2	73.8
127	8.0	7.0	10.6

Manual Integrations
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#45

4-Methyl-2-Pentanone

Concen: 1.072 ug/l

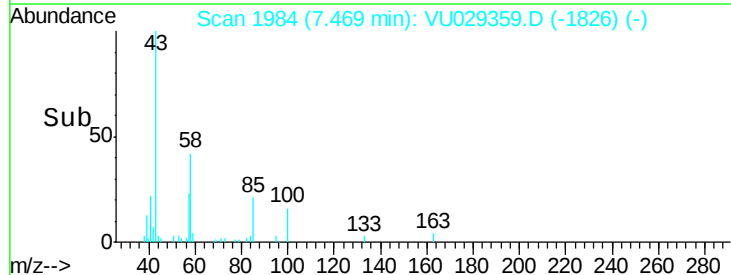
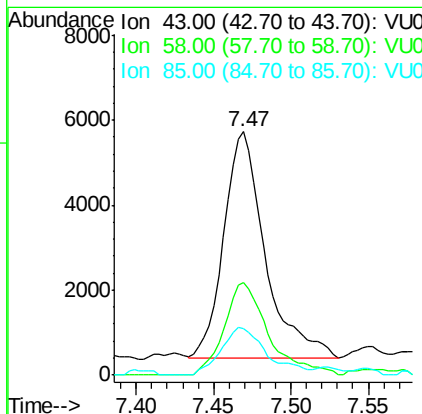
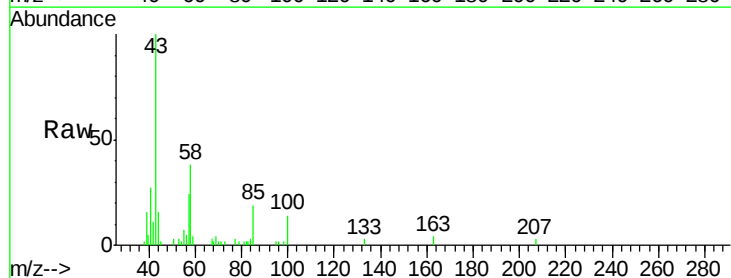
RT: 7.47 min Scan# 1984

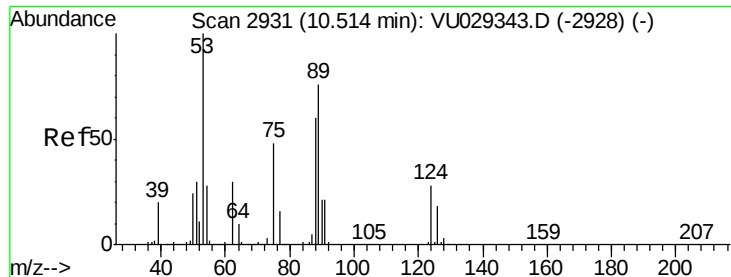
Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion:	43	Resp:	9791
Ion	Ratio	Lower	Upper
43	100		
58	44.1	17.6	52.8
85	23.7	12.3	18.5#





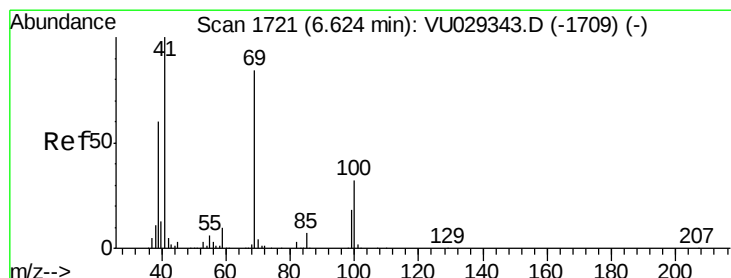
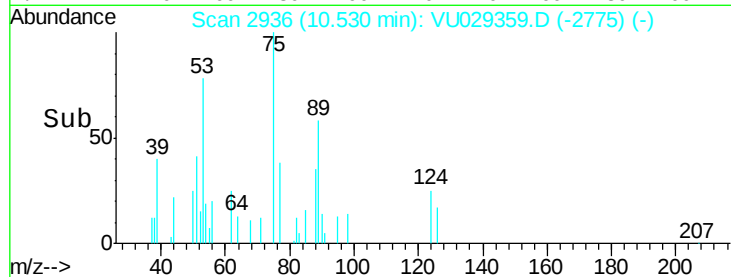
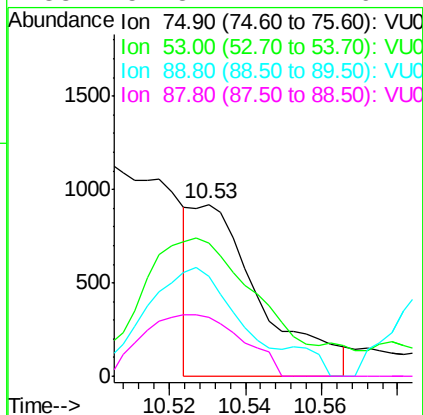
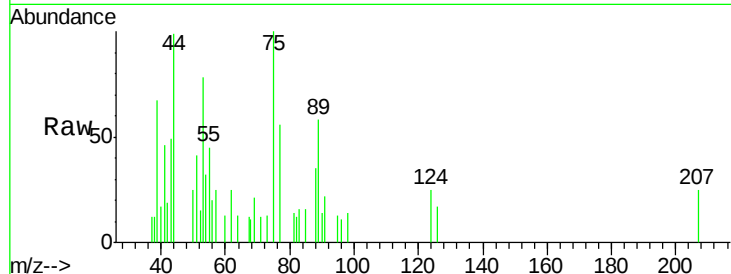
#46
t-1,4-Dichloro-2-butene
Concen: 0.260 ug/l m
RT: 10.53 min Scan# 2936
Delta R.T. 0.02 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
53	150.5	78.2	117.4#
89	91.8	44.2	66.4#
88	51.8	41.4	62.2

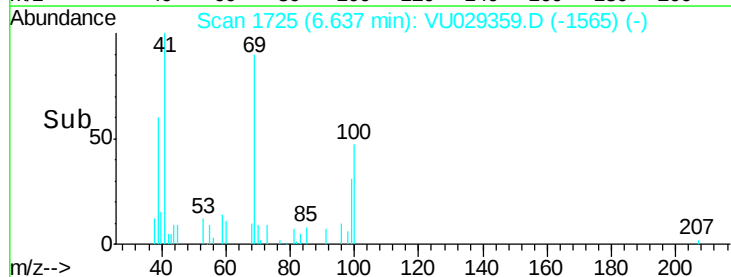
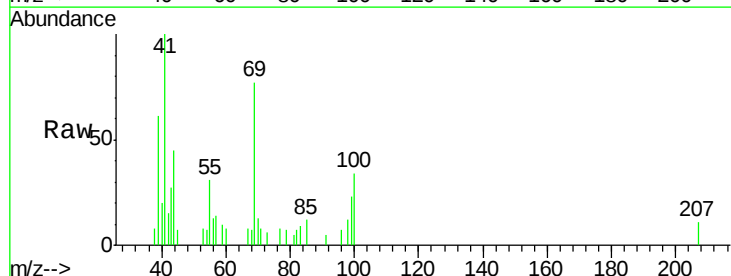
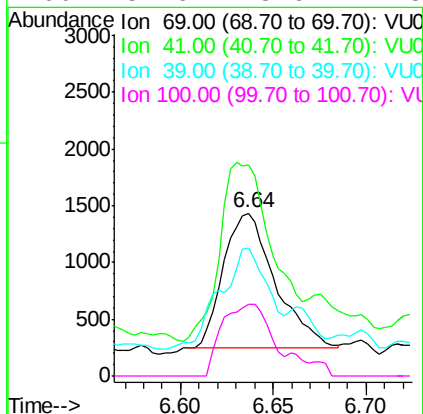
Manual Integrations
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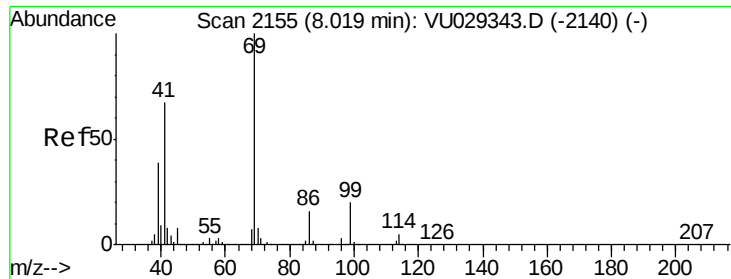
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#47
Methyl methacrylate
Concen: 0.336 ug/l
RT: 6.64 min Scan# 1725
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	134.3	0.0	296.2
39	71.0	71.2	106.8#
100	57.6	28.6	42.8#





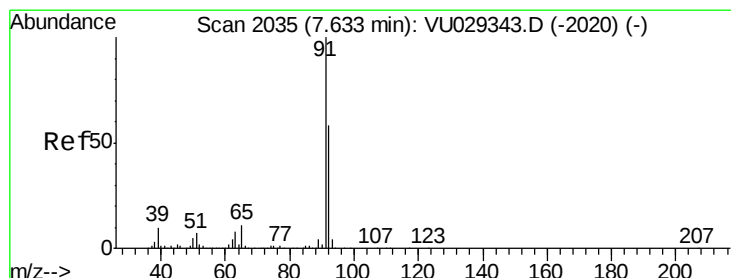
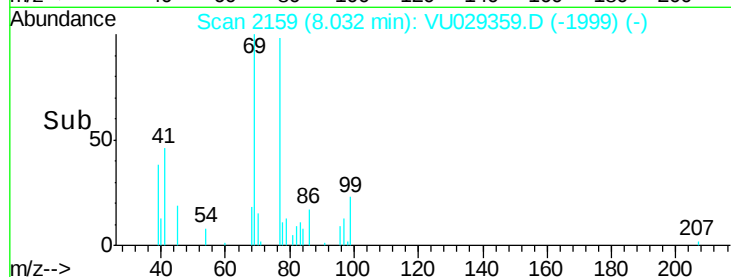
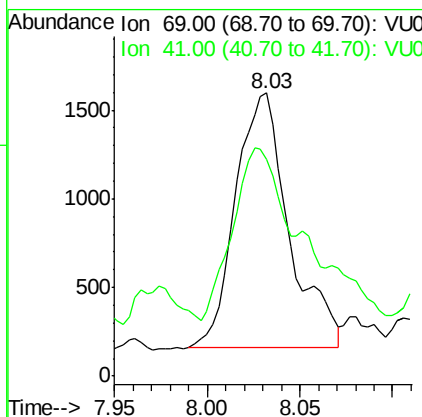
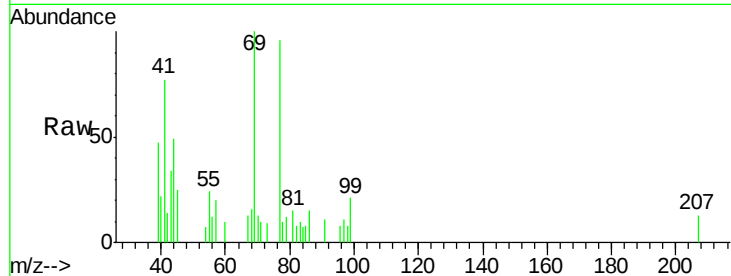
#48
Ethyl methacrylate
Concen: 0.196 ug/l
RT: 8.03 min Scan# 2159
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
69	100		
41	89.1	39.9	119.7

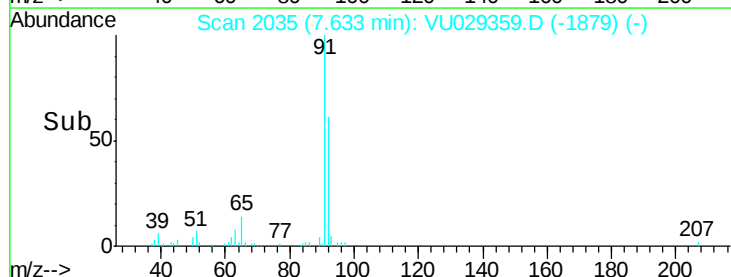
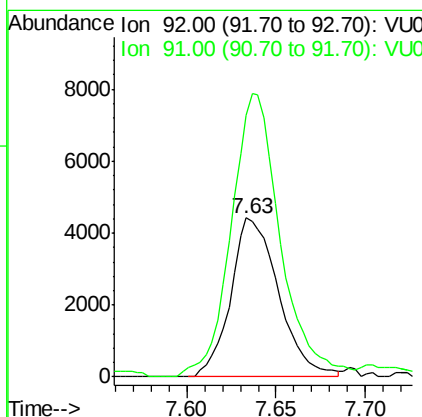
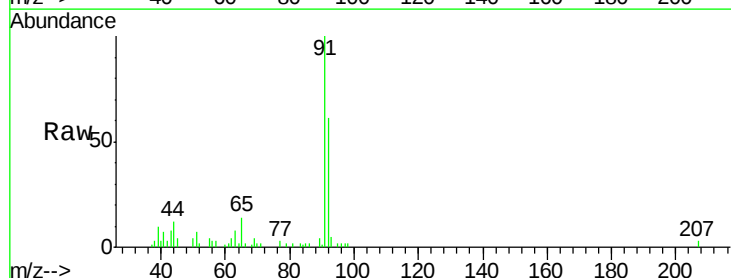
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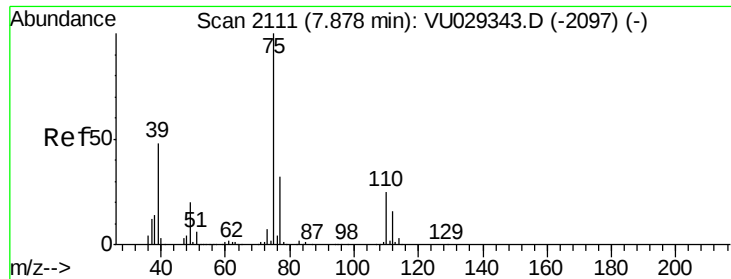
sam
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#49
Toluene
Concen: 0.230 ug/l
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	182.9	140.7	211.1





#50

t-1,3-Dichloropropene

Concen: 0.220 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 4286

Ion Ratio Lower Upper

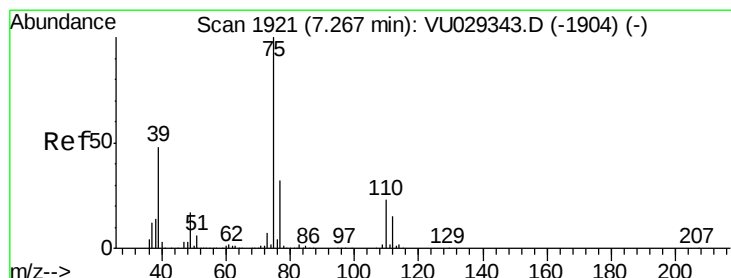
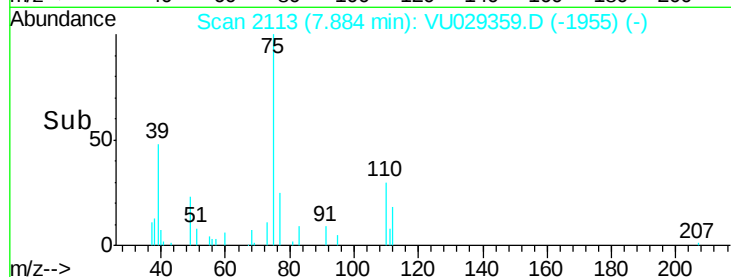
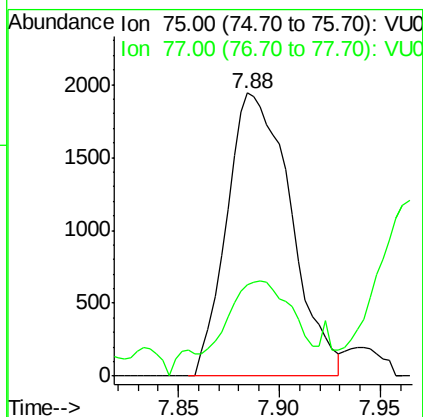
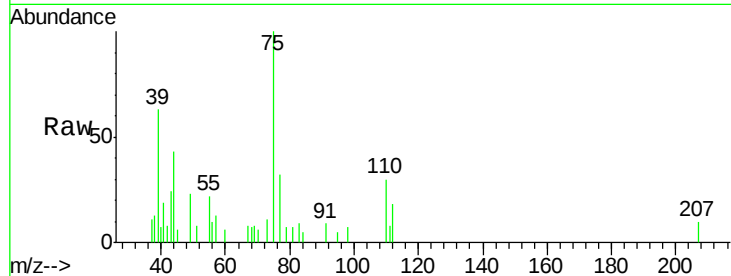
75 100

77 23.0 23.6 35.4#

Manual Integrations
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#51

cis-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

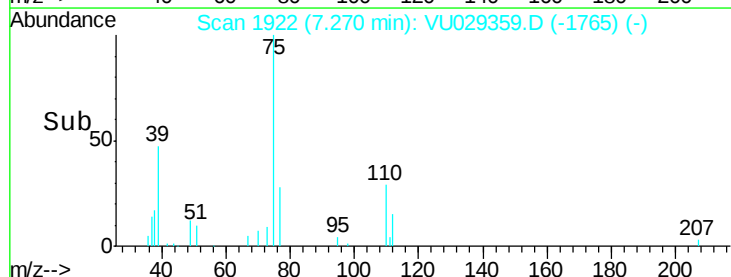
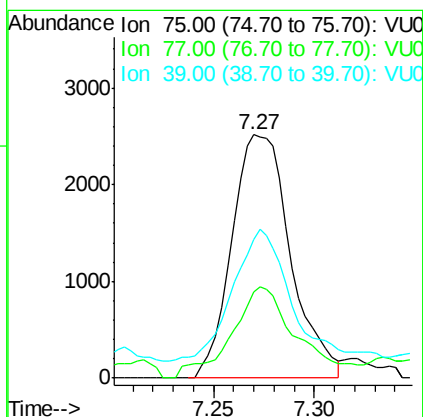
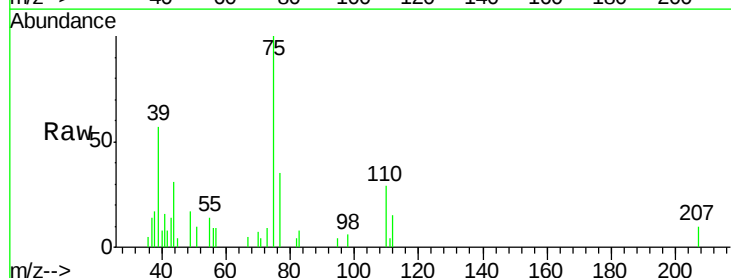
Tgt Ion: 75 Resp: 5119

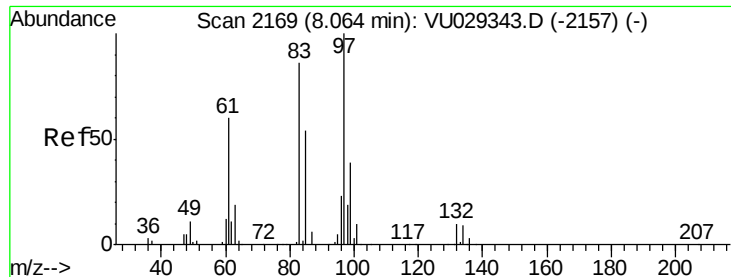
Ion Ratio Lower Upper

75 100

77 29.5 24.9 37.3

39 48.7 47.2 70.8





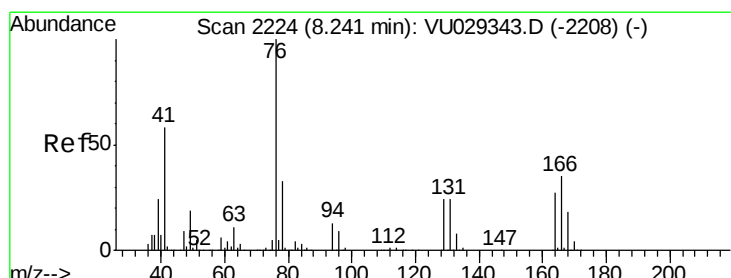
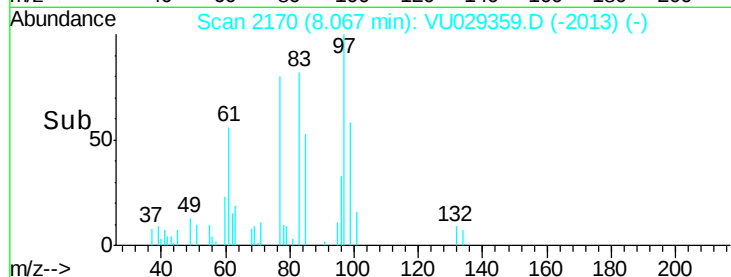
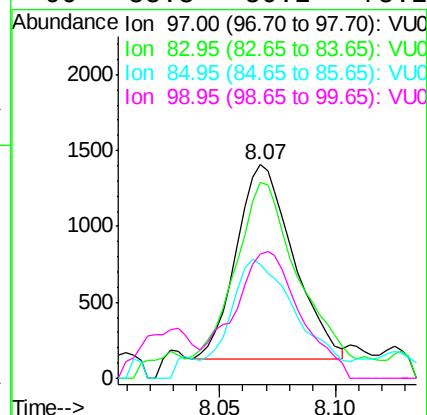
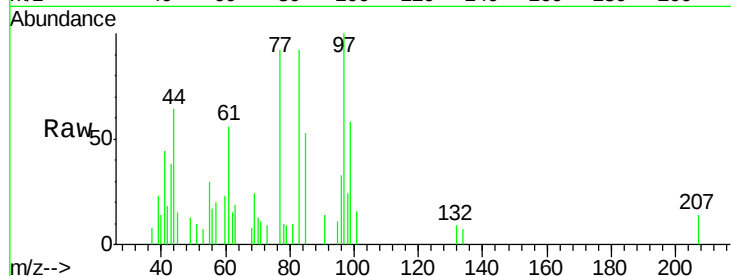
#52
 1,1,2-Trichloroethane
 Concen: 0.213 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion:	97	Resp:	2198
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.9	104.9
85	49.3	45.8	68.6
99	55.8	50.2	75.2

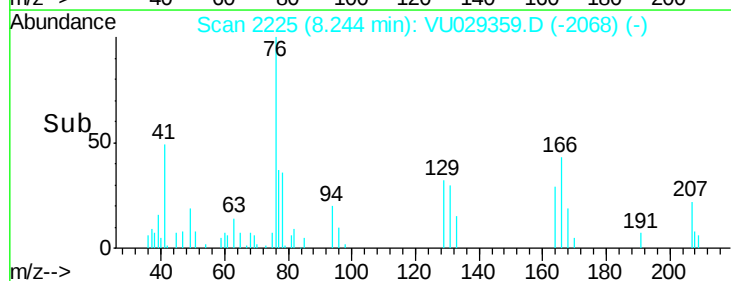
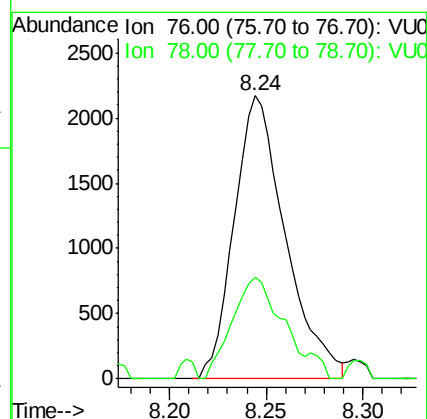
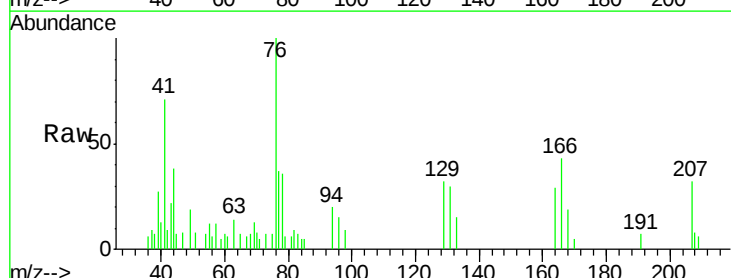
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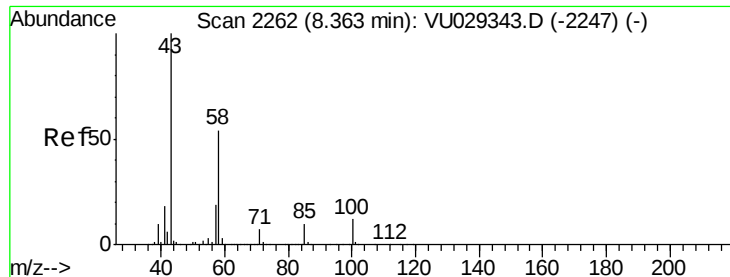
sam
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#53
 1,3-Dichloropropane
 Concen: 0.221 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion:	76	Resp:	4005
Ion	Ratio	Lower	Upper
76	100		
78	36.9	26.3	39.5





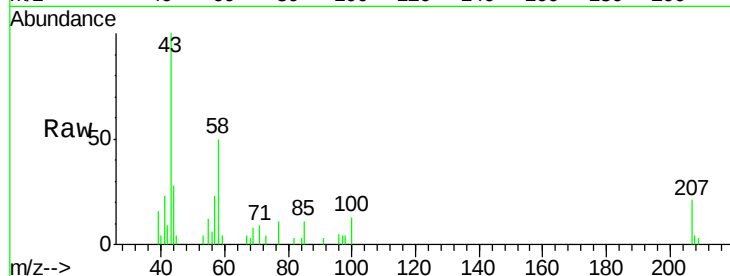
#54
2-Hexanone
Concen: 1.007 ug/l
RT: 8.37 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

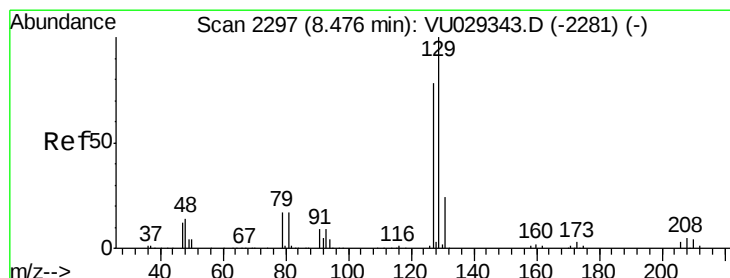
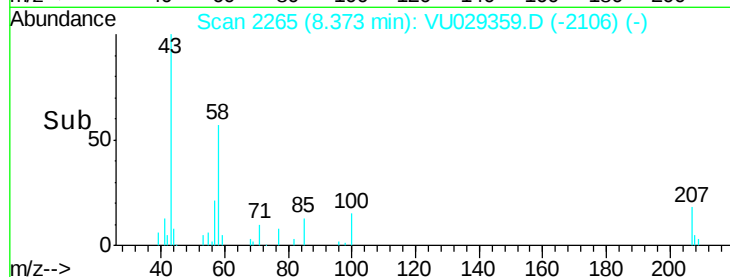
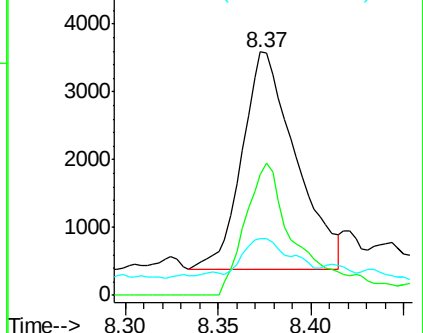
Tot Ion	Ratio	Lower	Upper
43	100		
58	60.7	26.0	66.0
57	15.9	0.0	37.7

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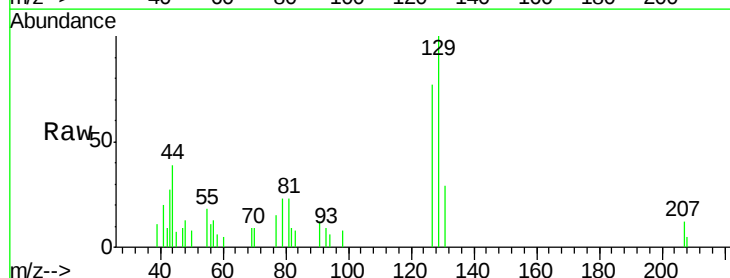


Abundance Ion 43.00 (42.70 to 43.70): VU029343.D (-2247) (-)
Ion 58.00 (57.70 to 58.70): VU029343.D (-2247) (-)
Ion 57.00 (56.70 to 57.70): VU029343.D (-2247) (-)

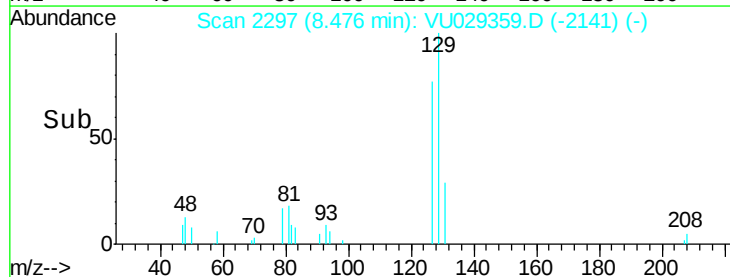
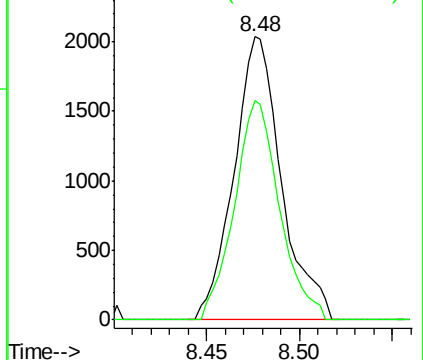


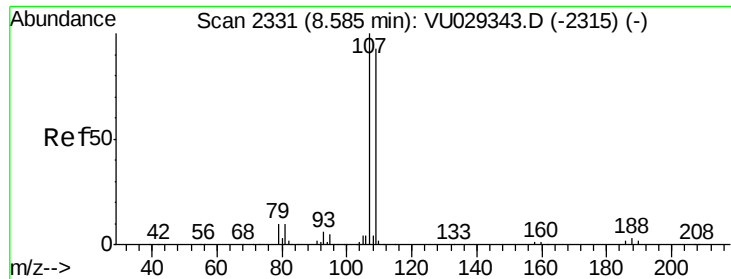
#55
Dibromochloromethane
Concen: 0.248 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.5	60.5	90.7



Abundance Ion 129.00 (128.70 to 129.70): VU029343.D (-2281) (-)
Ion 127.00 (126.70 to 127.70): VU029343.D (-2281) (-)





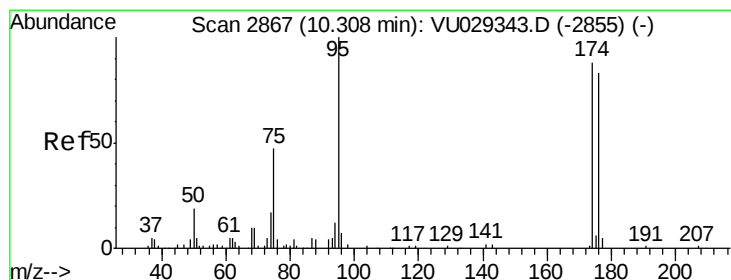
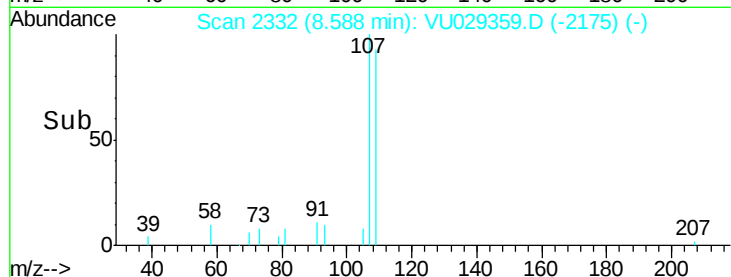
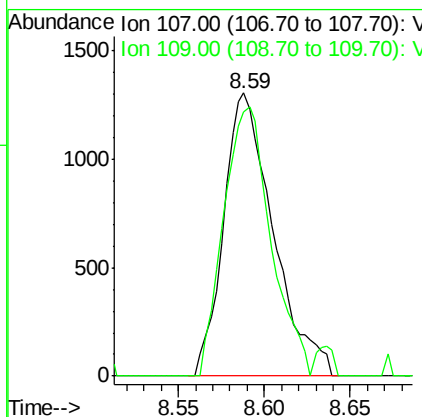
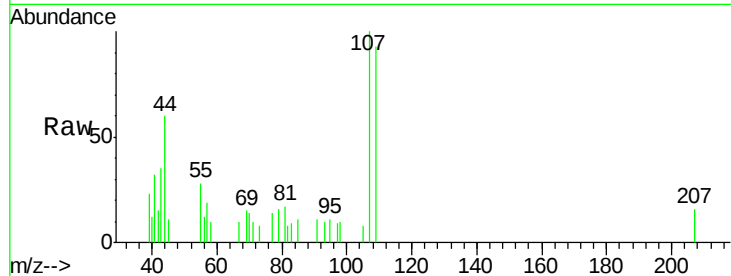
#56
 1,2-Dibromoethane
 Concen: 0.248 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion: 107 Resp: 2623
 Ion Ratio Lower Upper
 107 100
 109 90.5 0.0 189.6

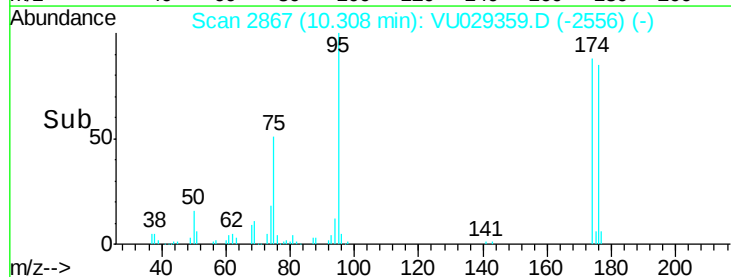
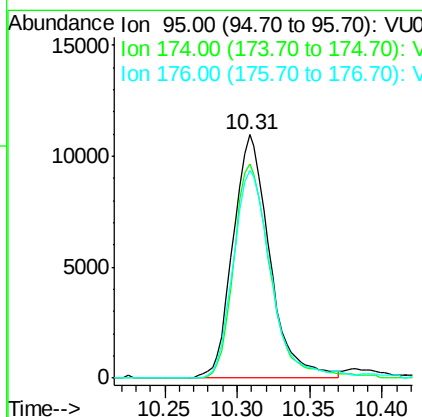
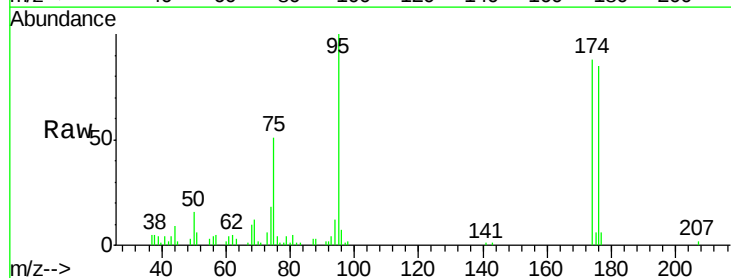
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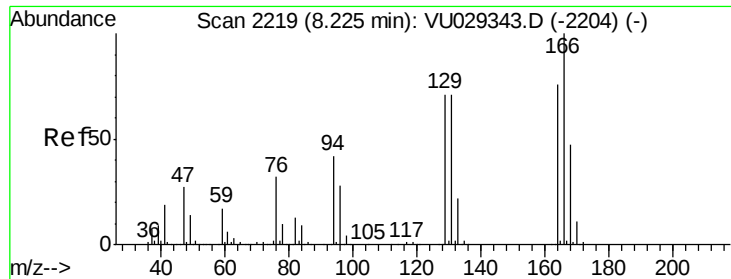
sam
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#57
 4-Bromofluorobenzene
 Concen: 0.248 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion: 95 Resp: 19314
 Ion Ratio Lower Upper
 95 100
 174 87.7 64.2 96.2
 176 86.7 62.3 93.5





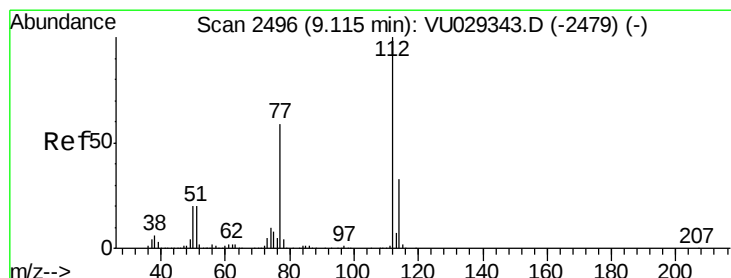
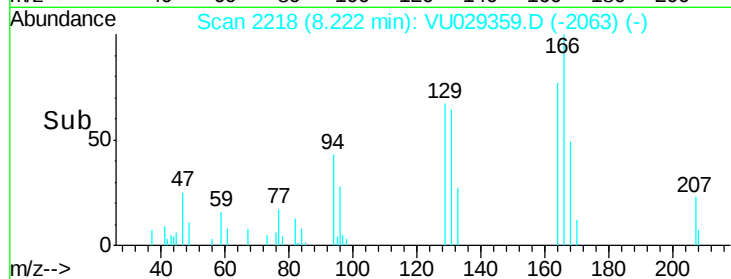
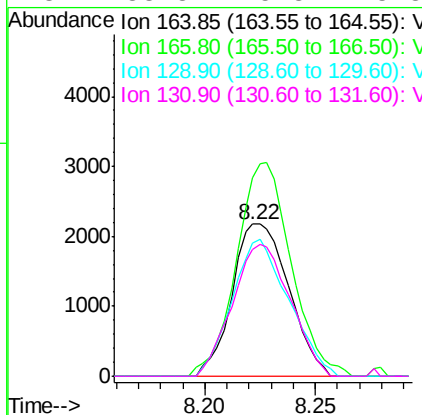
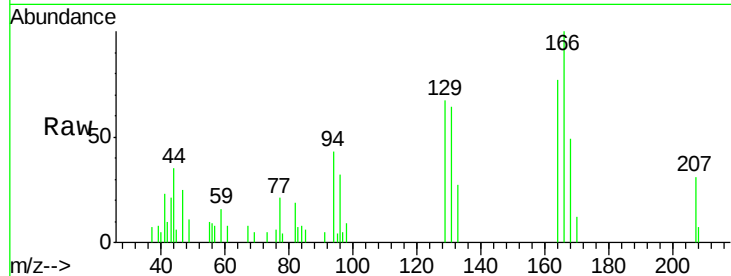
#58
 Tetrachloroethene
 Concen: 0.258 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Tot Ion	164	Resp	3869
Ion	Ratio	Lower	Upper
164	100		
166	130.6	106.6	159.8
129	87.3	79.9	119.9
131	83.8	75.8	113.8

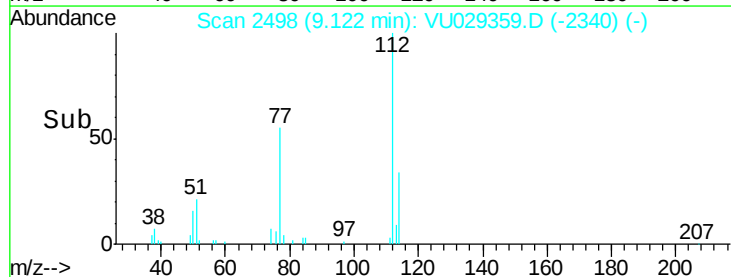
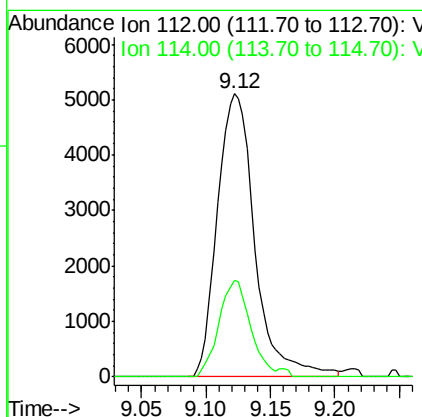
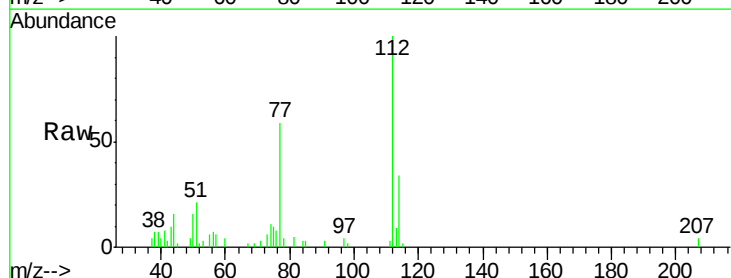
Manual Integrations
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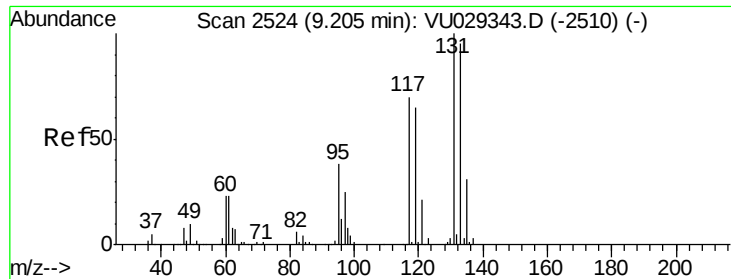
sam
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#59
 Chlorobenzene
 Concen: 0.254 ug/l
 RT: 9.12 min Scan# 2498
 Delta R.T. 0.01 min
 Lab File: VU029359.D
 Acq: 06 Feb 2019 12:44

Tgt Ion	112	Resp	10299
Ion	Ratio	Lower	Upper
112	100		
114	34.1	26.2	39.4





#60

1,1,1,2-Tetrachloroethane

Concen: 0.261 ug/l

RT: 9.21 min Scan# 2525

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

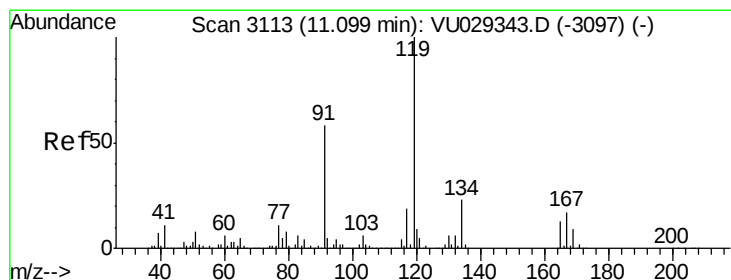
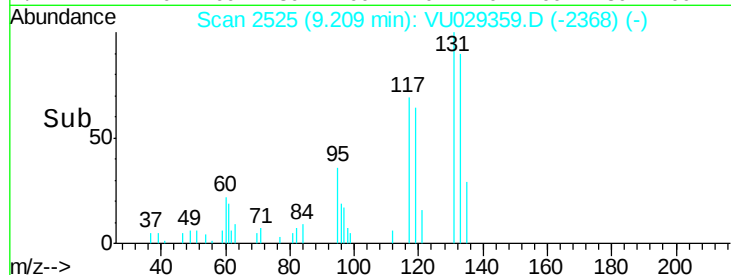
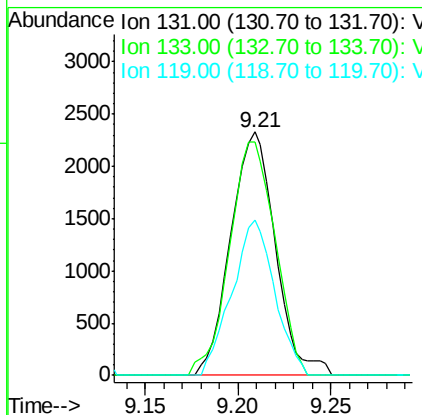
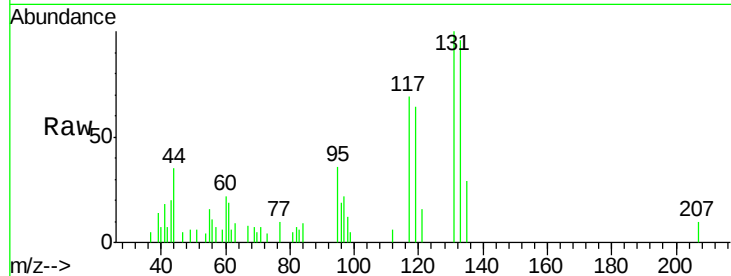
ClientSampleId :

MDL05

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	77.3	115.9
119	60.7	48.9	73.3

Manual Integrations
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#61

Pentachloroethane

Concen: 0.251 ug/l

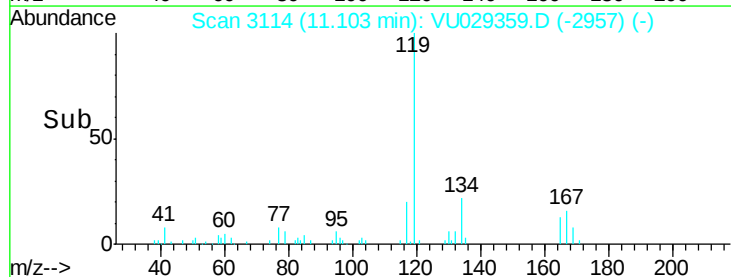
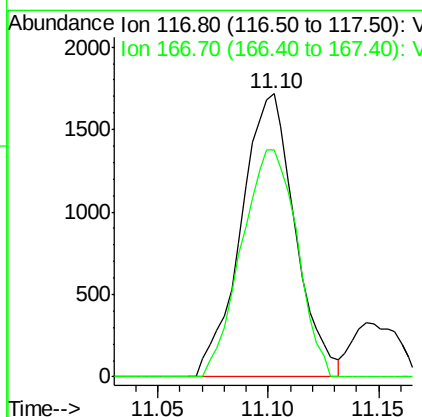
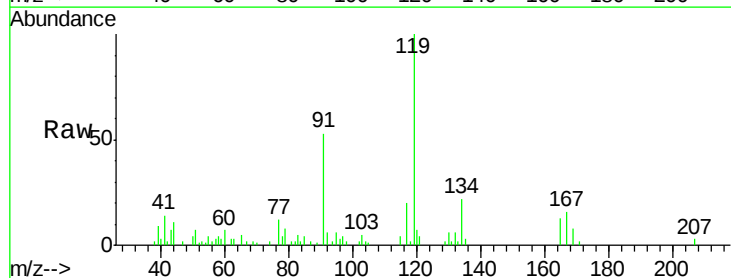
RT: 11.10 min Scan# 3114

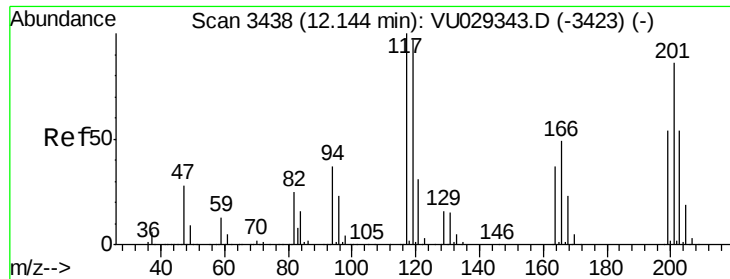
Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
167	82.2	65.9	98.9





#62

Hexachloroethane

Concen: 0.211 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion:117 Resp: 2670

Ion Ratio Lower Upper

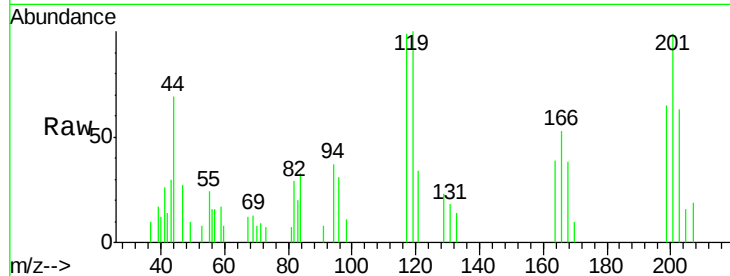
117 100

201 85.1 68.2 102.2

Manual Integrations
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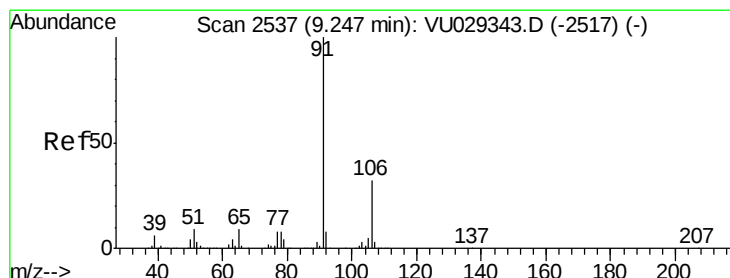
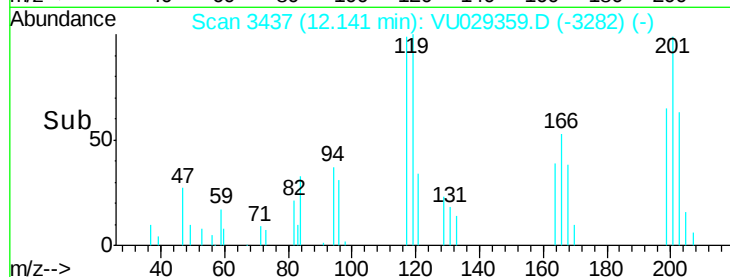
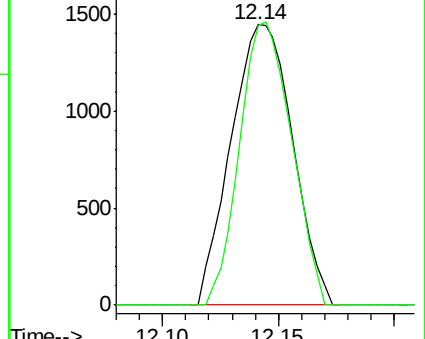
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.248 ug/l

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU029359.D

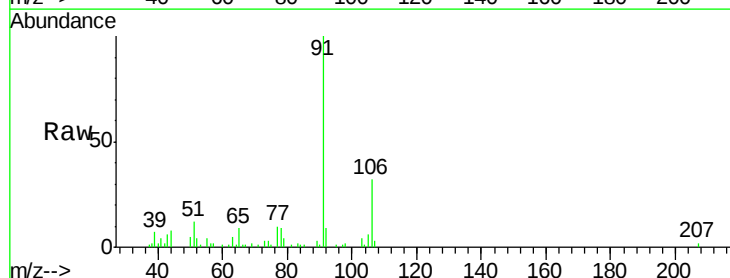
Acq: 06 Feb 2019 12:44

Tgt Ion: 91 Resp: 17440

Ion Ratio Lower Upper

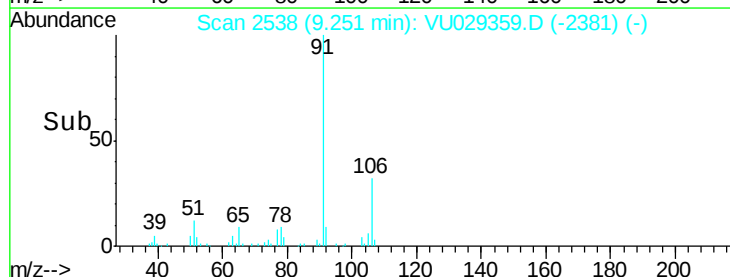
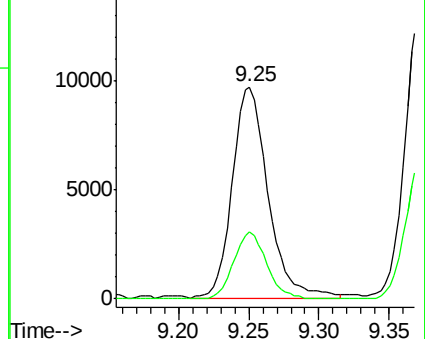
91 100

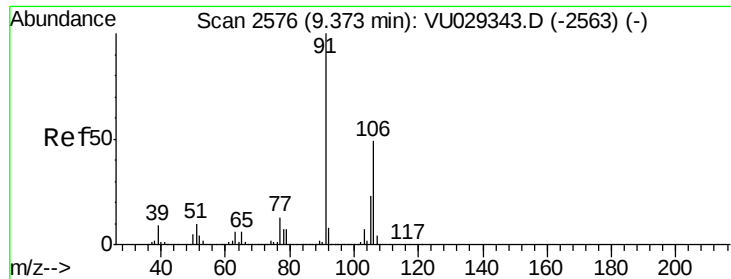
106 31.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xylenes

Concen: 0.469 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion:106 Resp: 12810

Ion Ratio Lower Upper

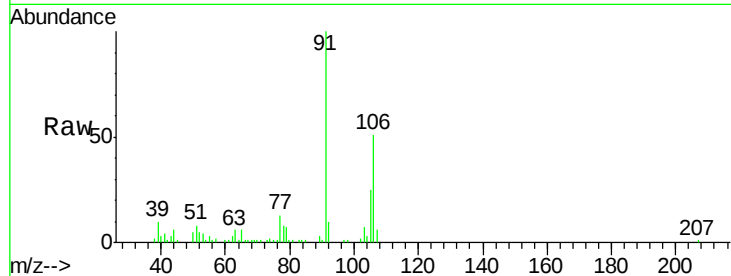
106 100

91 197.6 174.6 261.8

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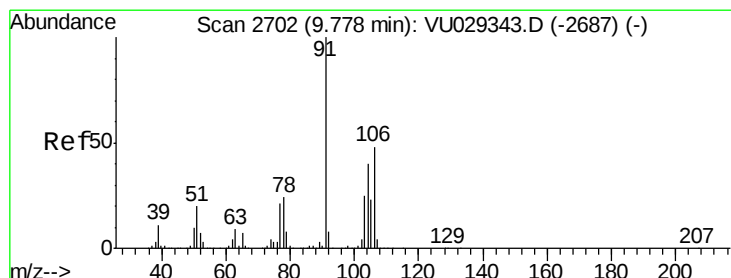
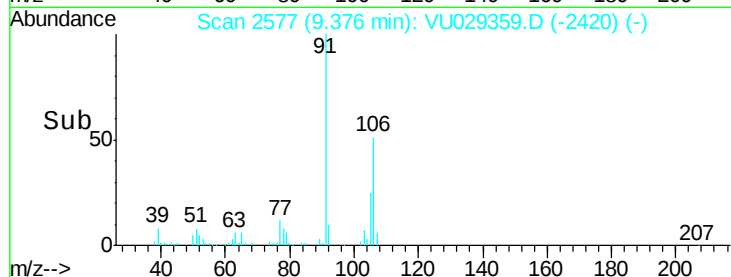
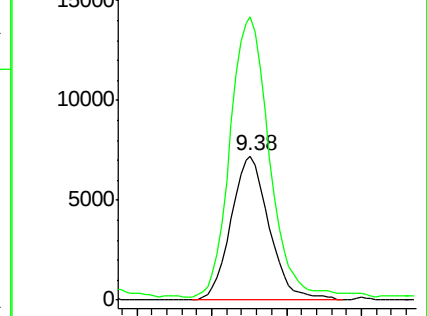
sam

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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: 0.238 ug/l

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VU029359.D

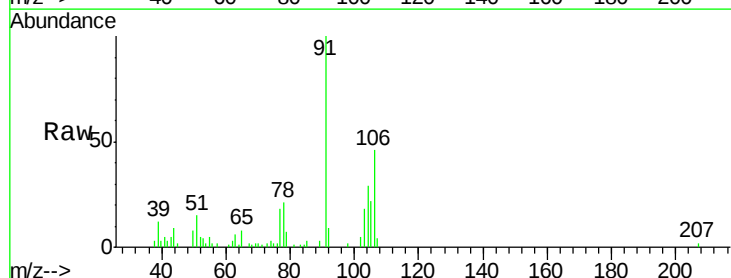
Acq: 06 Feb 2019 12:44

Tgt Ion:106 Resp: 6399

Ion Ratio Lower Upper

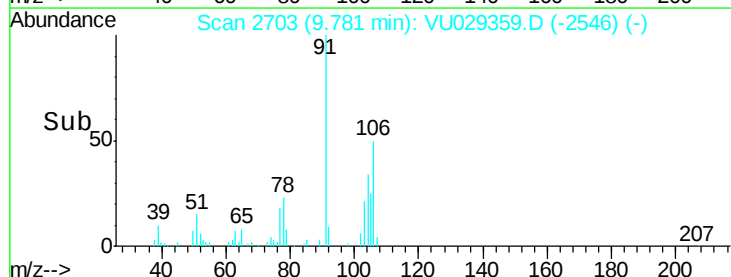
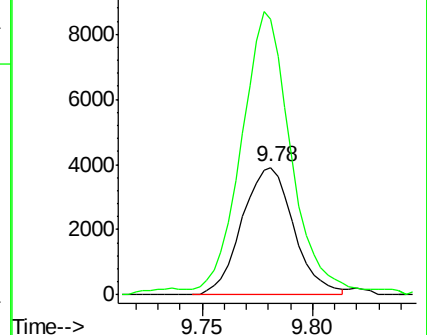
106 100

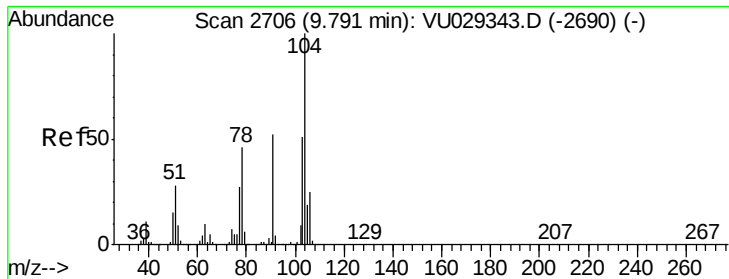
91 201.5 114.5 343.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





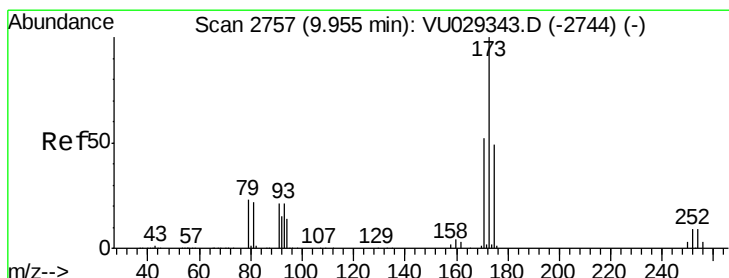
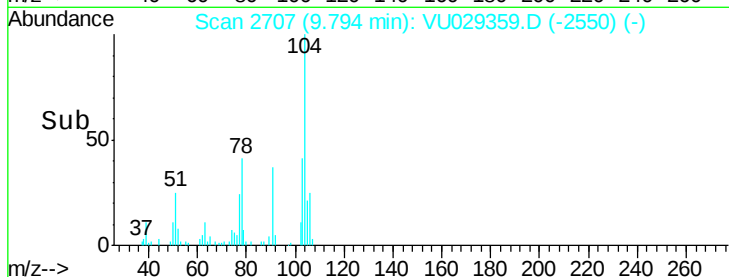
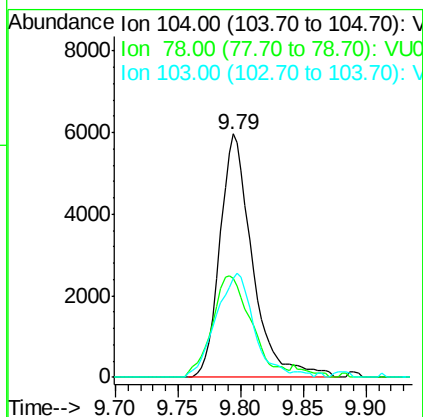
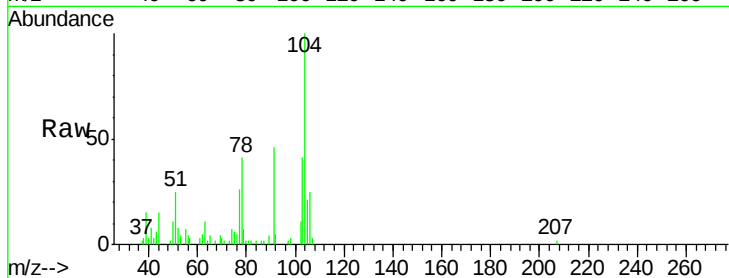
#66
Stvrene
Concen: 0.240 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	46.5	69.7
103	49.3	44.7	67.1

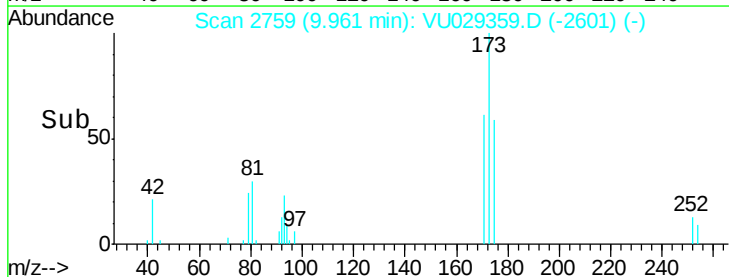
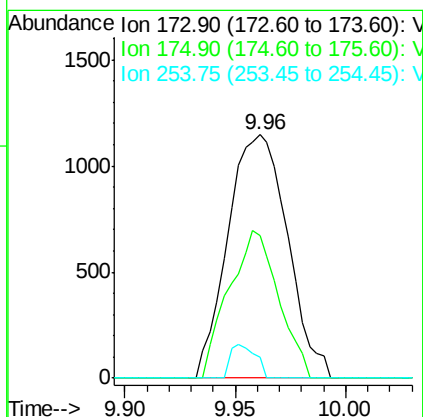
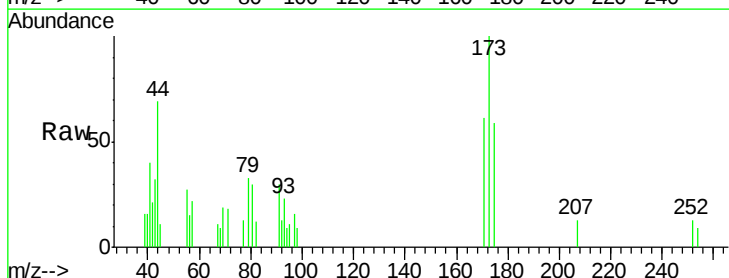
Manual Integrations
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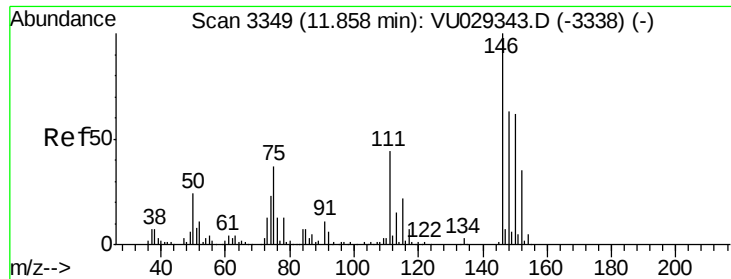
sam
2/8/2019 2:27:31 PM



#67
Bromoform
Concen: 0.235 ug/l
RT: 9.96 min Scan# 2759
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.5	38.9	58.3
254	5.9	7.4	11.2#





#68

1,2-Dichlorobenzene-d4

Concen: 0.235 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

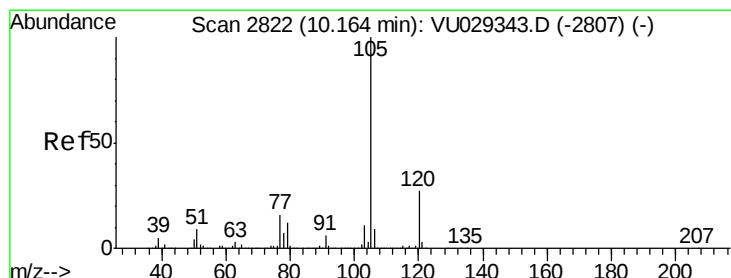
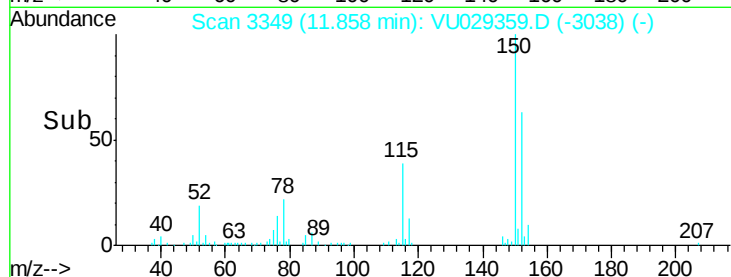
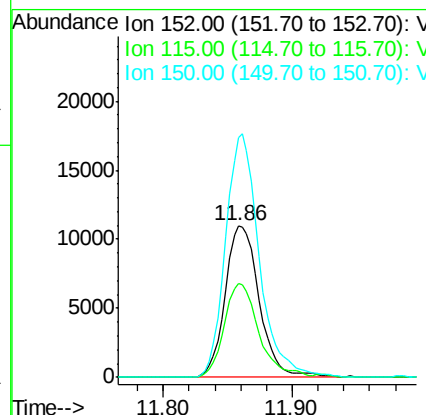
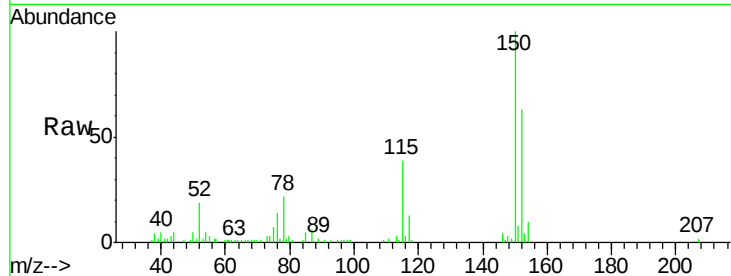
ClientSampled :

MDL05

Tot Ion:	152	Resp:	20140
Ion	Ratio	Lower	Upper
152	100		
115	62.9	0.0	133.4
150	158.7	0.0	670.8

Manual Integrations
APPROVED

sam
2/8/2019 2:27:31 PM



#69

Isopropylbenzene

Concen: 0.241 ug/l

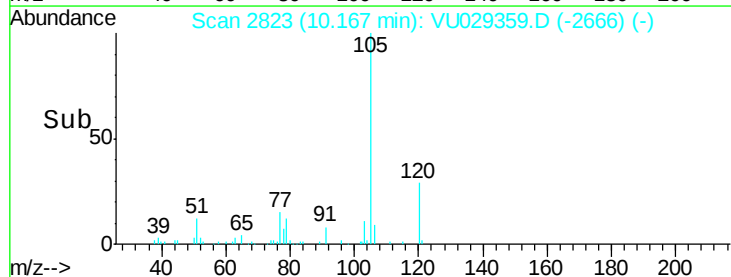
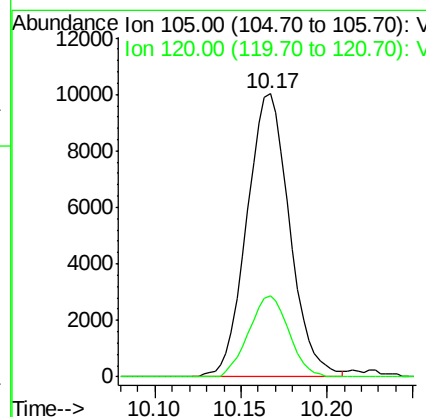
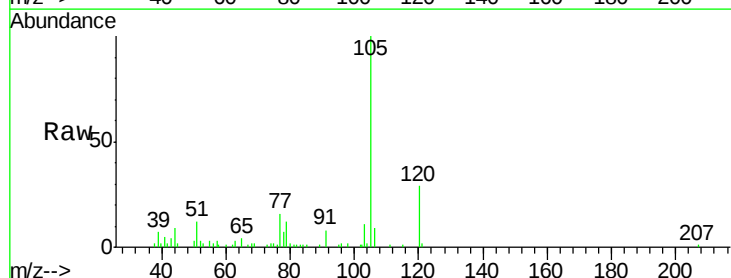
RT: 10.17 min Scan# 2823

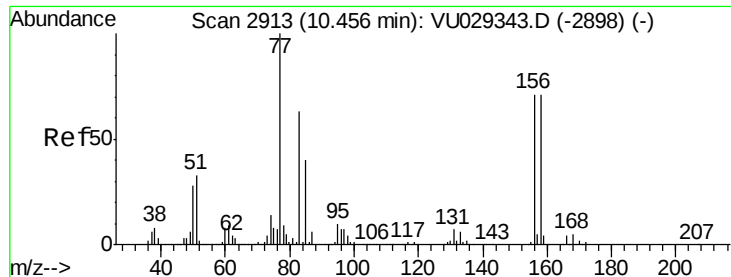
Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion:	105	Resp:	17293
Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.6	37.6





#70

1,1,2,2-Tetrachloroethane

Concen: 0.249 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

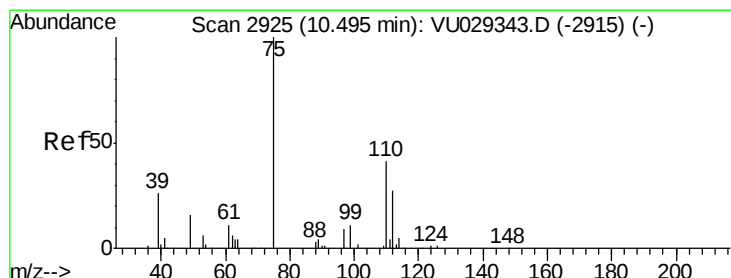
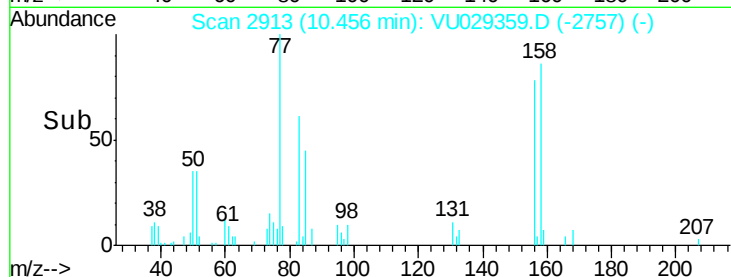
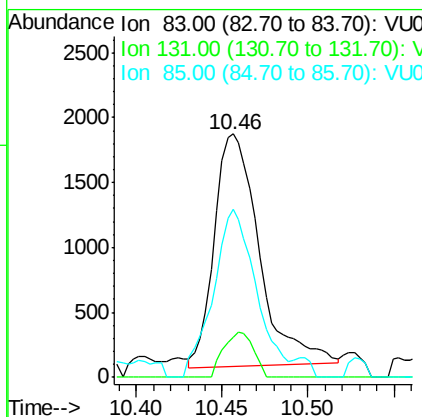
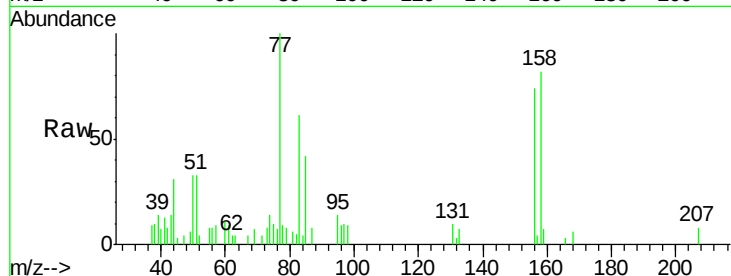
ClientSampled :

MDL05

Tot Ion	83	Resp	3285
Ion	Ratio	Lower	Upper
83	100		
131	12.8	8.1	12.1#
85	68.3	50.3	75.5

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.272 ug/l m

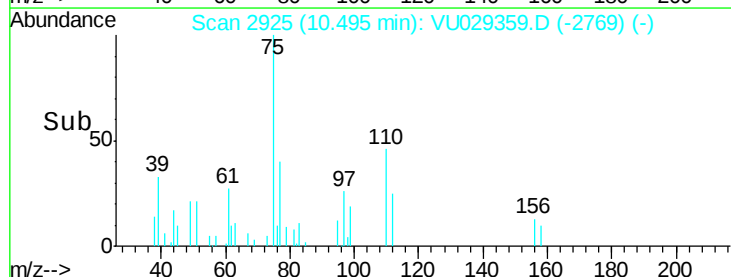
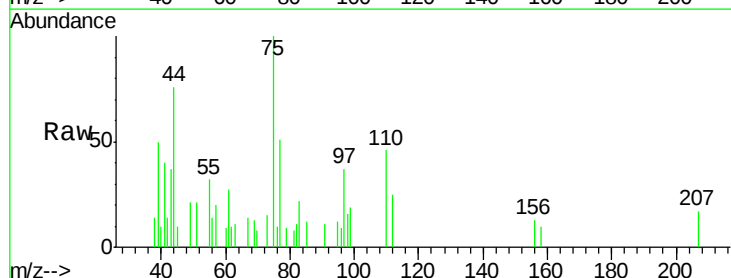
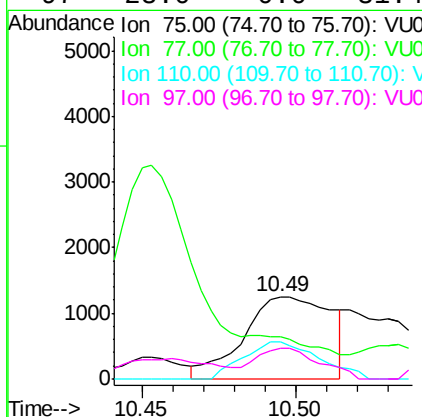
RT: 10.49 min Scan# 2925

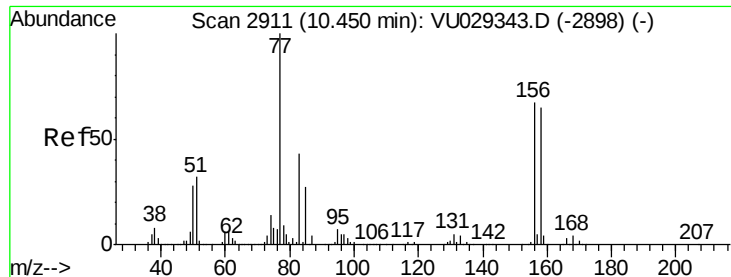
Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion	75	Resp	2469
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.2	0.0	63.6
97	28.0	0.0	31.4





#72

Bromobenzene

Concen: 0.247 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion:156 Resp: 4289

Ion Ratio Lower Upper

156 100

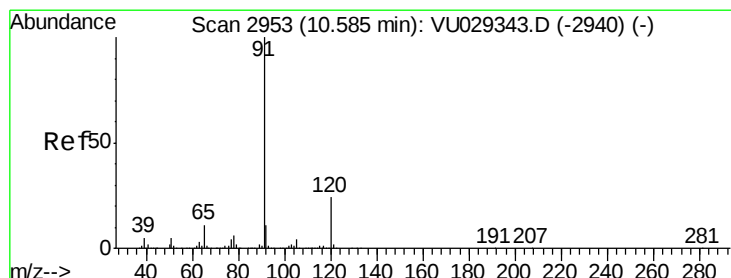
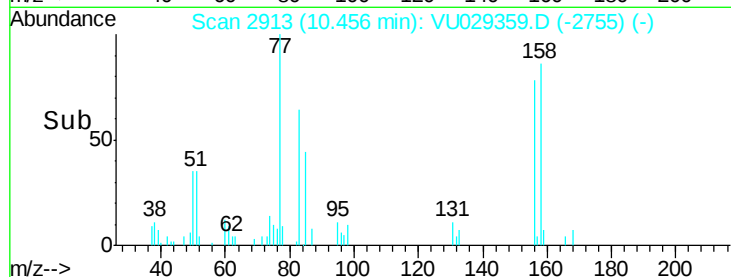
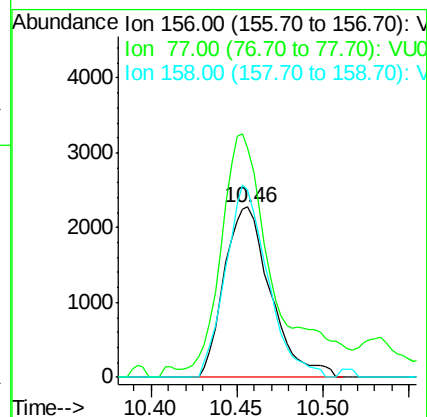
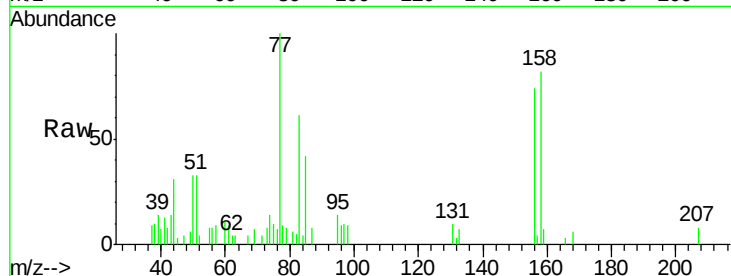
77 164.0 0.0 343.8

158 102.9 0.0 195.0

Manual Integrations
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#73

n-propylbenzene

Concen: 0.235 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU029359.D

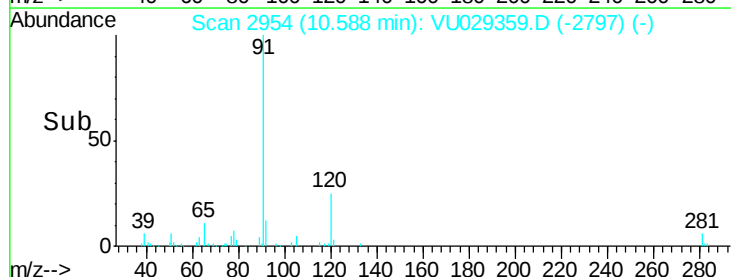
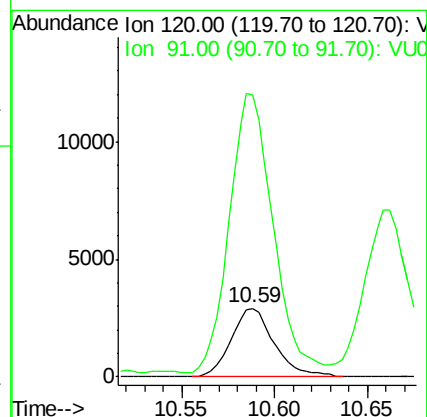
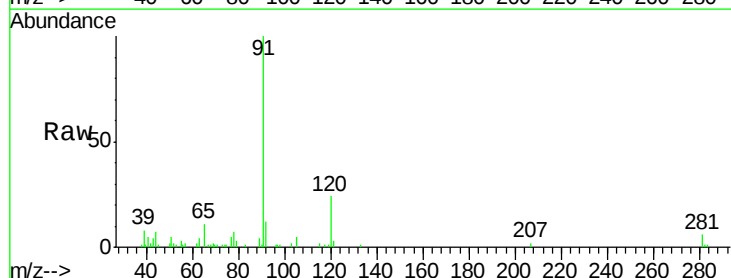
Acq: 06 Feb 2019 12:44

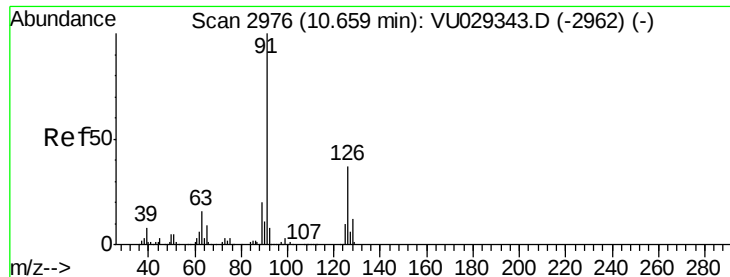
Tgt Ion:120 Resp: 4687

Ion Ratio Lower Upper

120 100

91 411.6 370.0 555.0





#74

2-Chlorotoluene

Concen: 0.241 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion:126 Resp: 4091

Ion Ratio Lower Upper

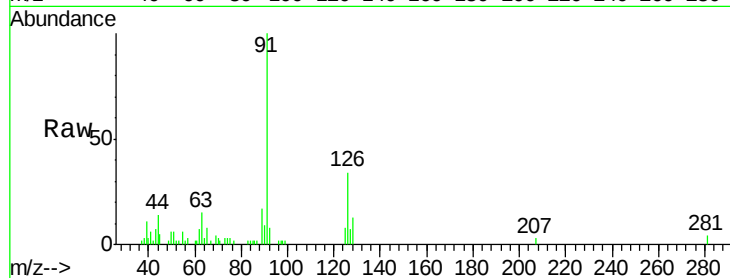
126 100

91 277.7 0.0 643.0

Manual Integrations
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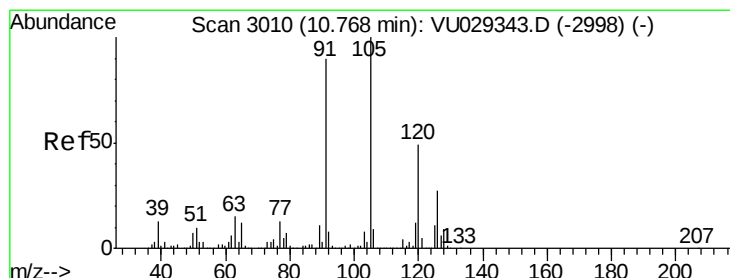
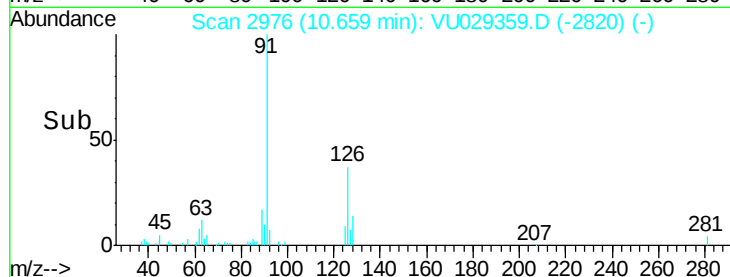
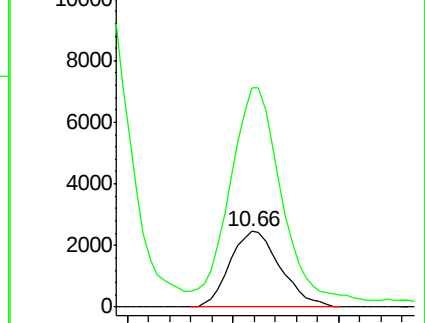
sam

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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: 0.236 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029359.D

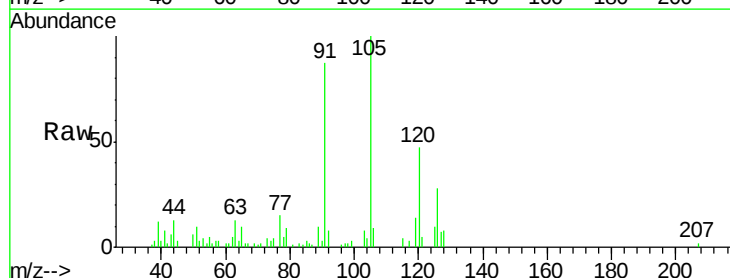
Acq: 06 Feb 2019 12:44

Tgt Ion:105 Resp: 14610

Ion Ratio Lower Upper

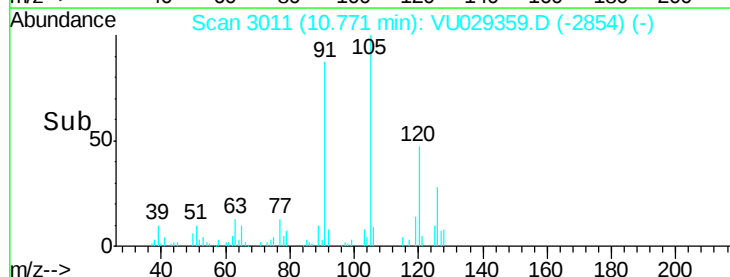
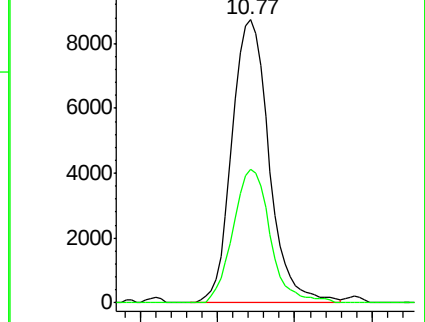
105 100

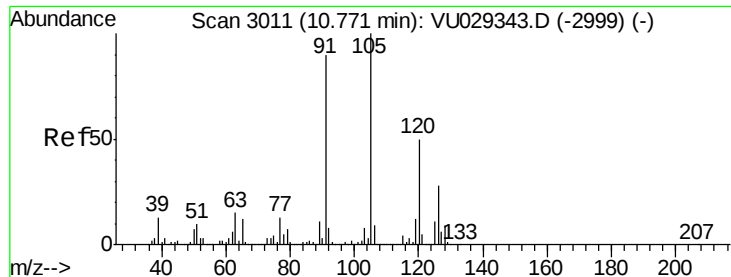
120 47.1 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





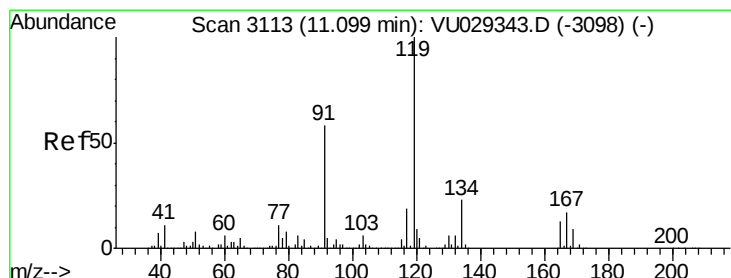
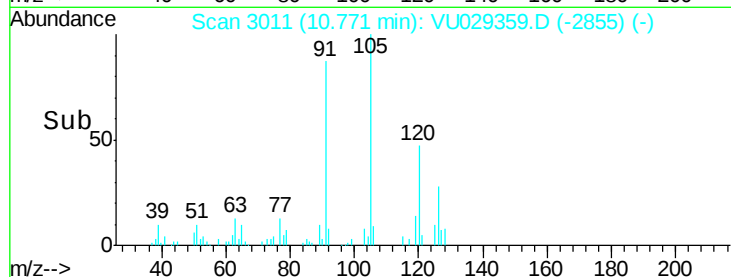
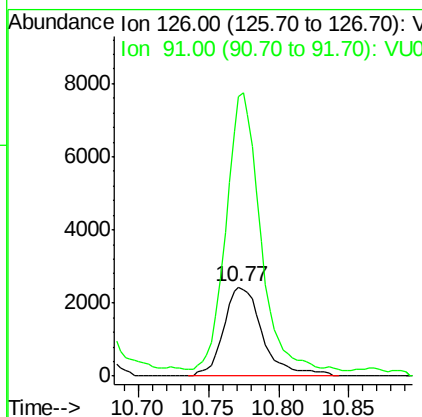
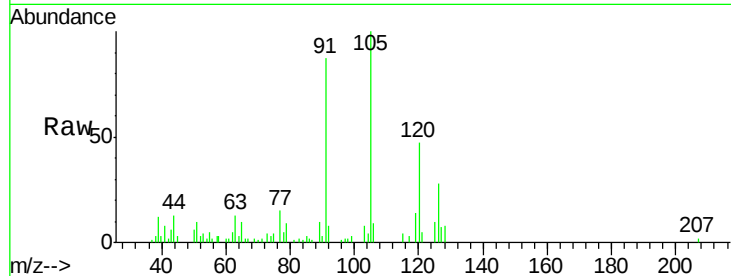
#76
4-Chlorotoluene
Concen: 0.266 ug/l
RT: 10.77 min Scan# 3011
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tot Ion:126 Resp: 4697
Ion Ratio Lower Upper
126 100
91 268.6 0.0 727.4

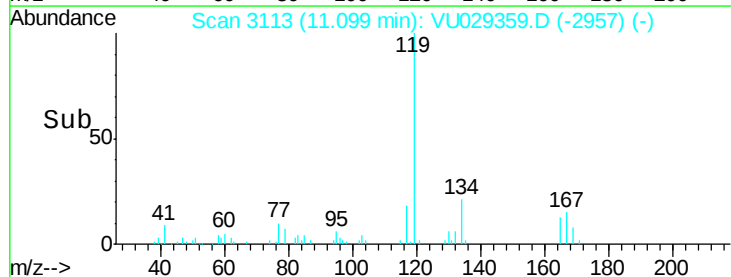
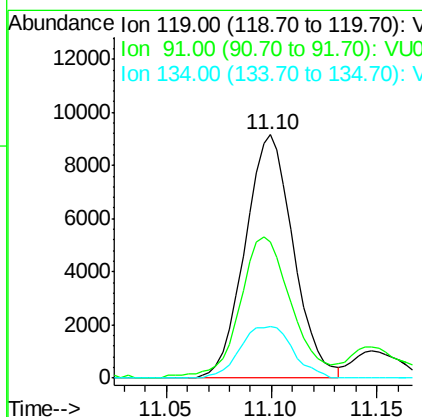
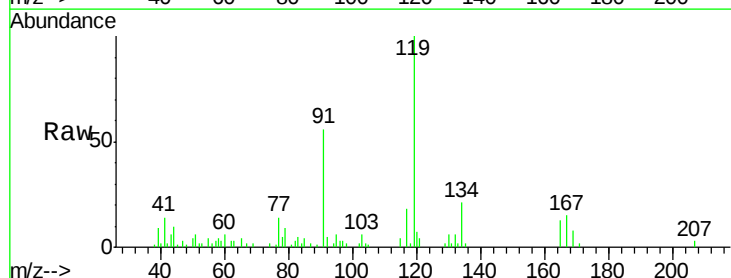
Manual Integrations
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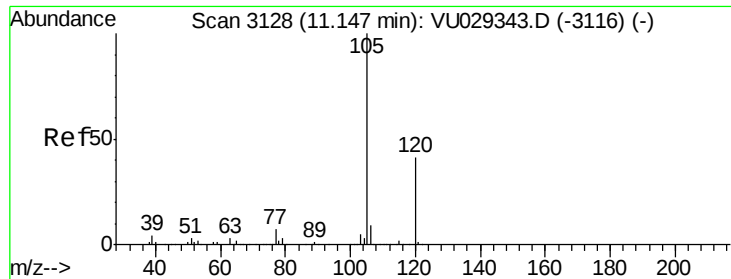
sam
2/8/2019 2:27:31 PM



#77
tert-Butylbenzene
Concen: 0.238 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion:119 Resp: 14560
Ion Ratio Lower Upper
119 100
91 61.9 32.2 96.6
134 23.2 17.6 26.4





#78

1,2,4-Trimethylbenzene

Concen: 0.236 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tot Ion:105 Resp: 14764

Ion Ratio Lower Upper

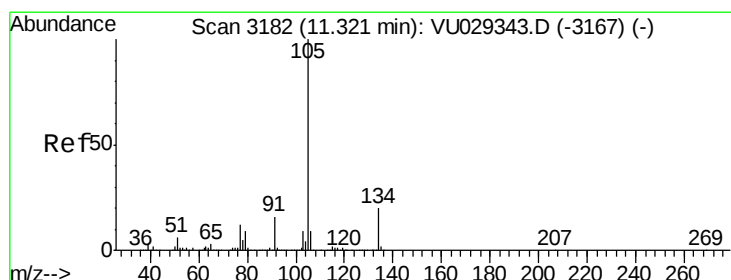
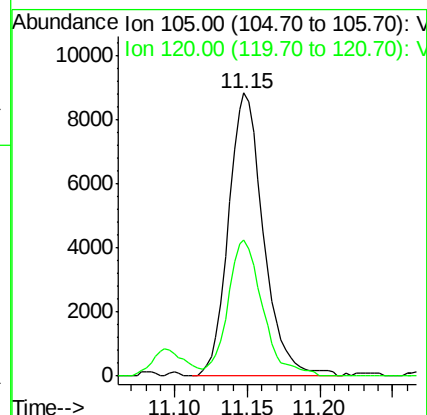
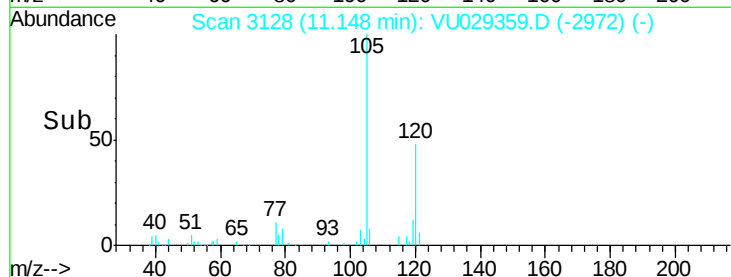
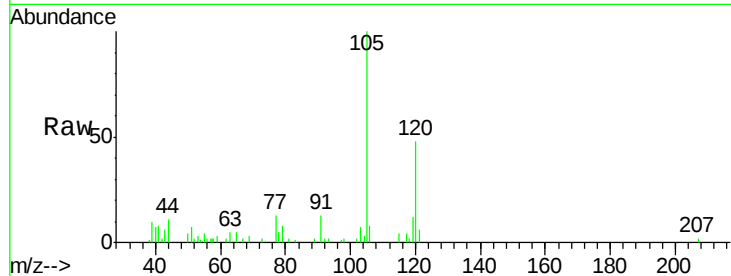
105 100

120 47.7 21.4 64.3

Manual Integrations
APPROVED

sam

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#79

sec-Butylbenzene

Concen: 0.241 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029359.D

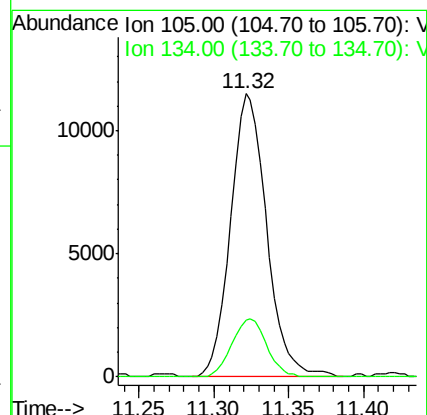
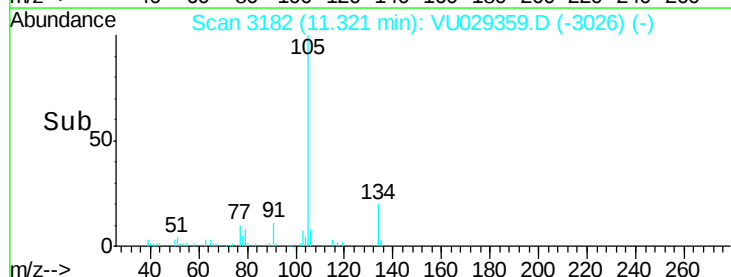
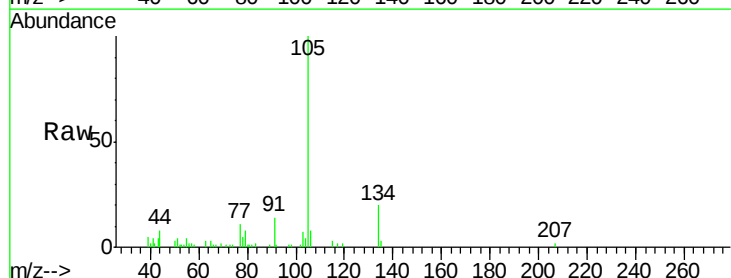
Acq: 06 Feb 2019 12:44

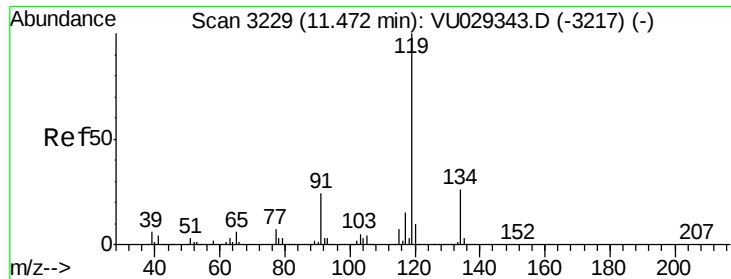
Tgt Ion:105 Resp: 19288

Ion Ratio Lower Upper

105 100

134 19.7 15.0 22.6





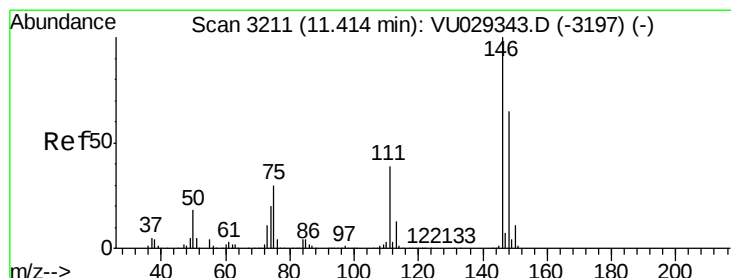
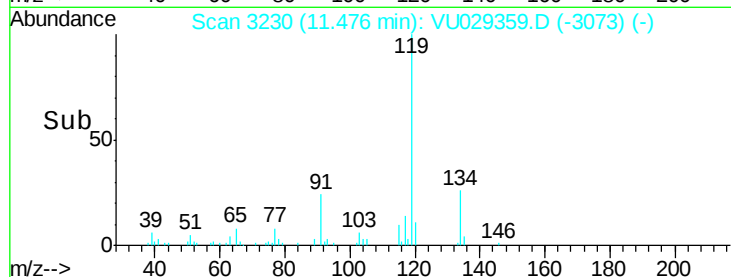
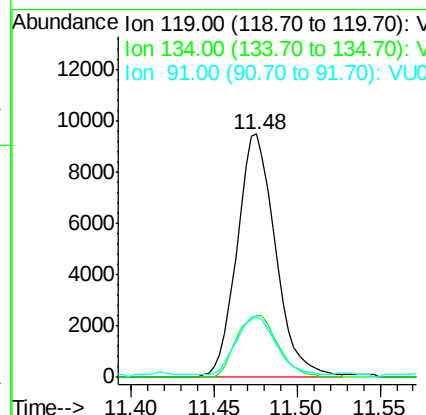
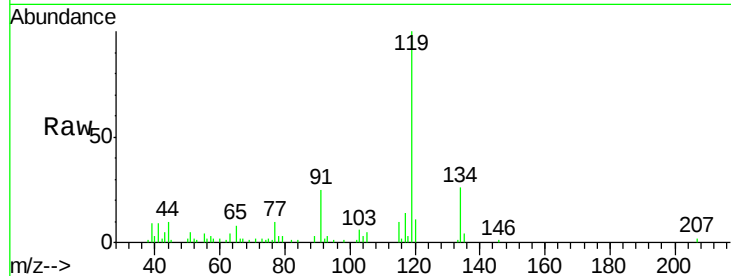
#81
p-Isopropyltoluene
Concen: 0.227 ug/l
RT: 11.48 min Scan# 3230
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	19.8	29.6
91	25.0	21.5	32.3

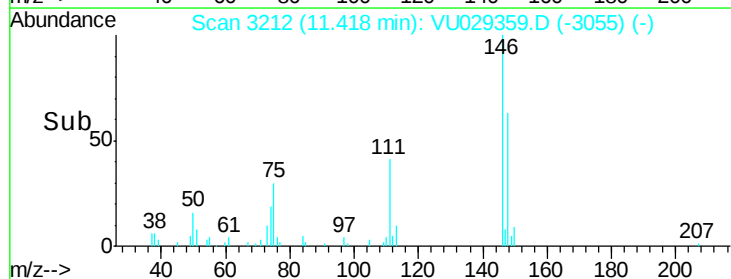
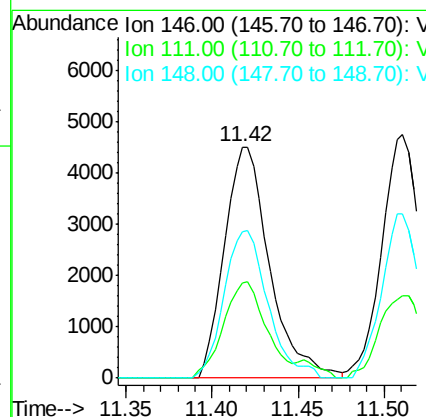
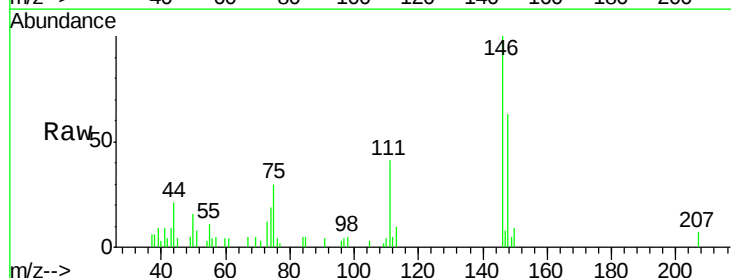
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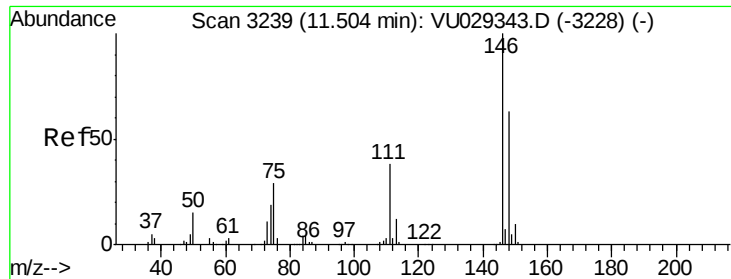
sam
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#82
1,3-Dichlorobenzene
Concen: 0.242 ug/l
RT: 11.42 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	34.1	51.1
148	61.7	52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 0.239 ug/l

RT: 11.51 min Scan# 3241

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

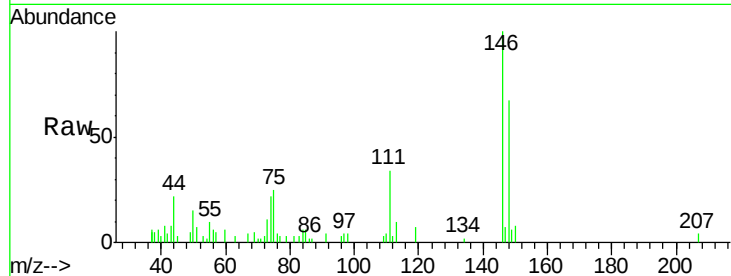
ClientSampled :

MDL05

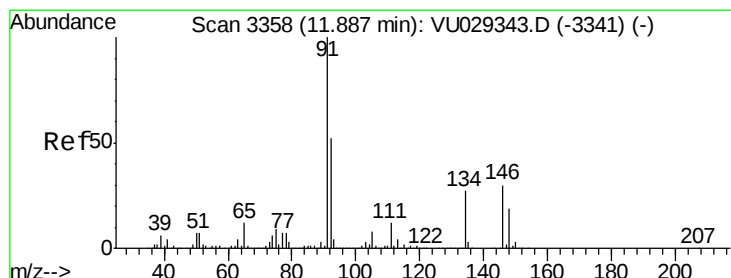
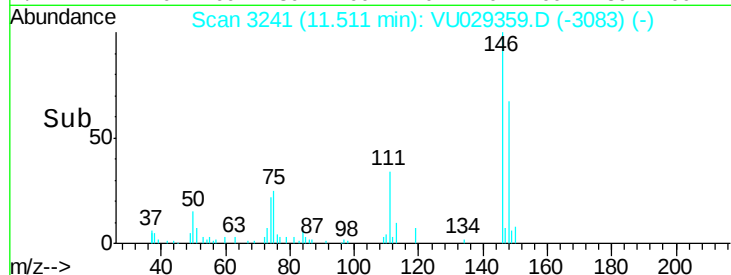
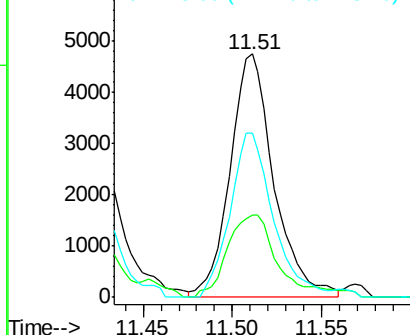
Tot Ion:	146	Resp:	8114
Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.9	49.3
148	66.6	51.8	77.6

Manual Integrations
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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: 0.238 ug/l

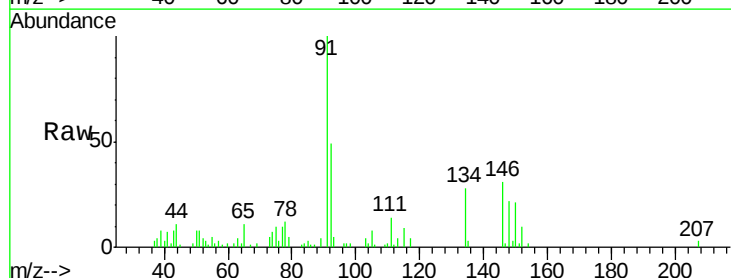
RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

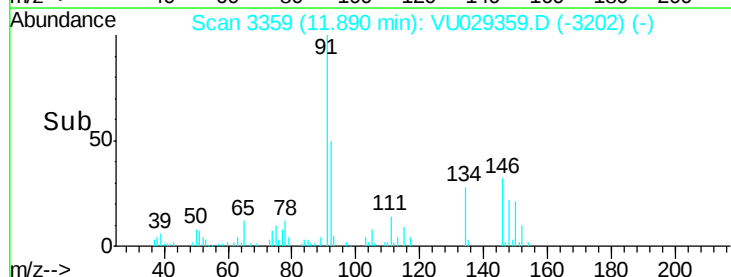
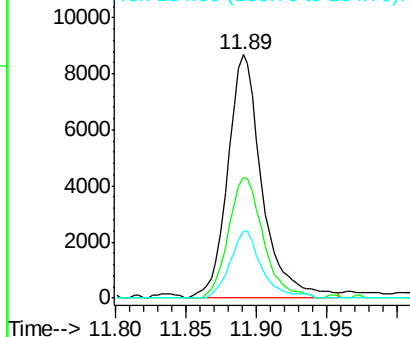
Lab File: VU029359.D

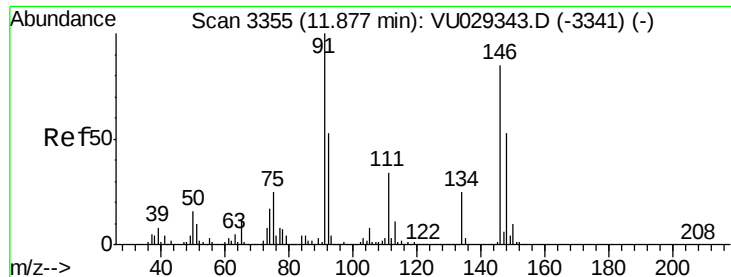
Acq: 06 Feb 2019 12:44

Tgt Ion:	91	Resp:	14815
Ion	Ratio	Lower	Upper
91	100		
92	49.9	41.0	61.6
134	25.5	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: 0.233 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

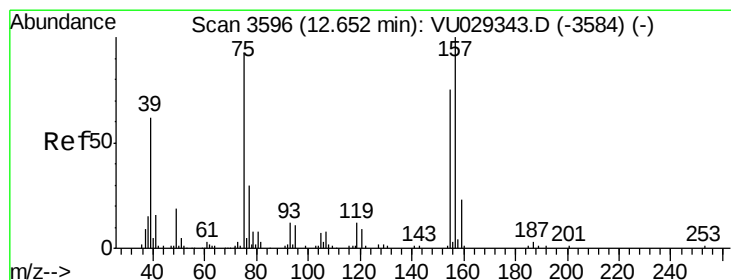
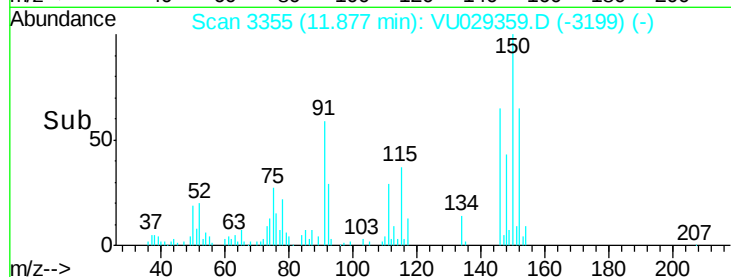
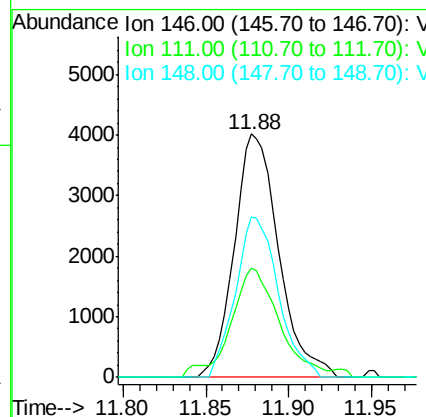
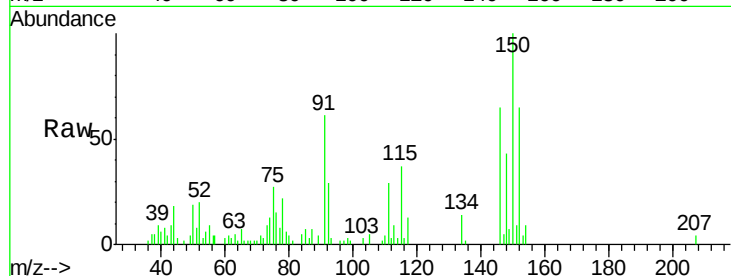
ClientSampled :

MDL05

Tot Ion:	146	Resp:	7499
Ion	Ratio	Lower	Upper
146	100		
111	48.8	21.9	65.8
148	63.4	31.8	95.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

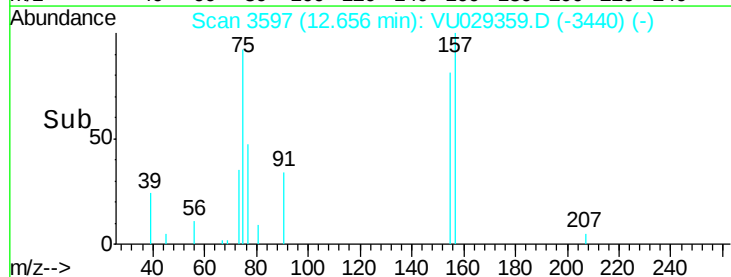
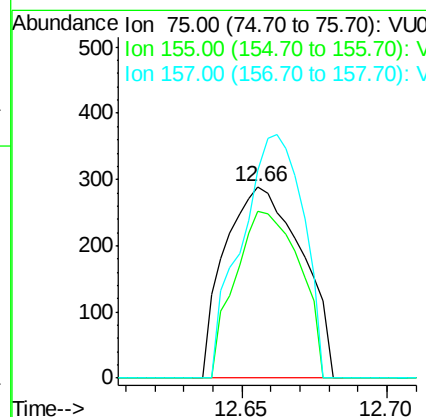
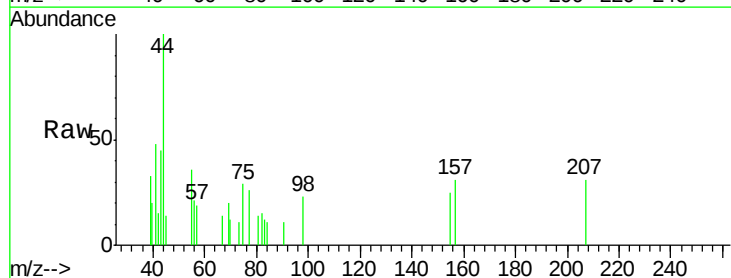
RT: 12.66 min Scan# 3597

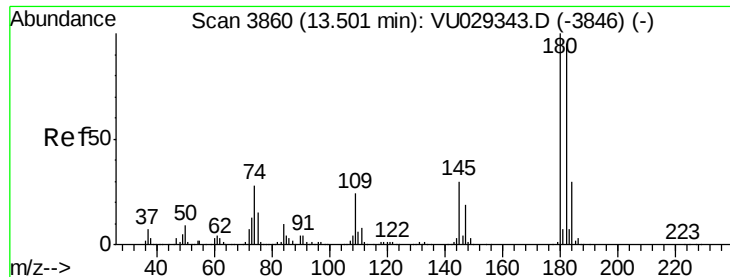
Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Tgt Ion:	75	Resp:	533
Ion	Ratio	Lower	Upper
75	100		
155	73.4	53.8	80.8
157	102.1	69.2	103.8





#87

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tot Ion:180 Resp: 4933

Ion Ratio Lower Upper

180 100

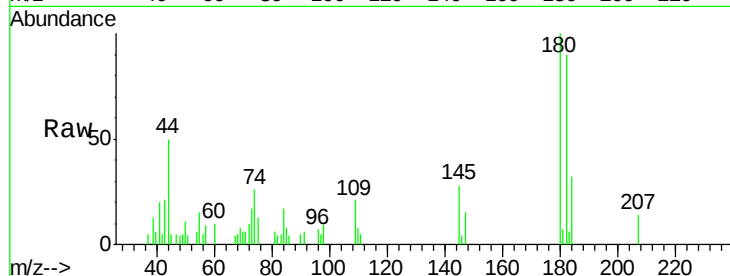
182 100.2 76.6 114.8

145 26.6 24.6 36.8

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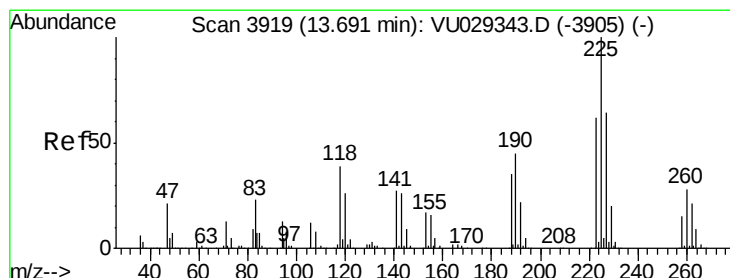
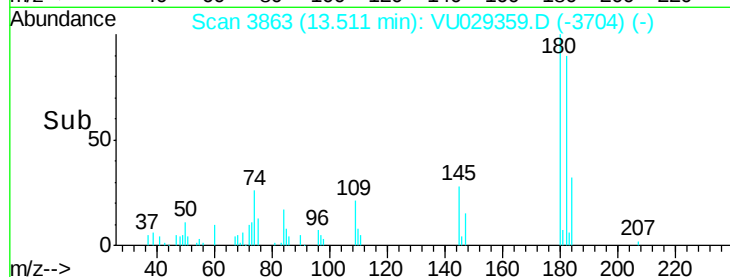
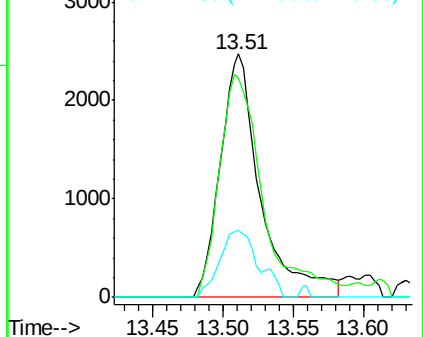
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 0.256 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029359.D

Acq: 06 Feb 2019 12:44

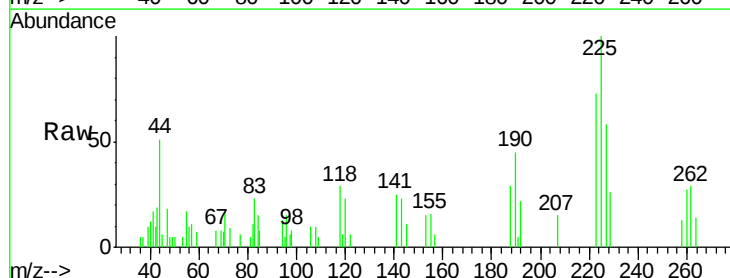
Tgt Ion:225 Resp: 3358

Ion Ratio Lower Upper

225 100

223 67.2 49.5 74.3

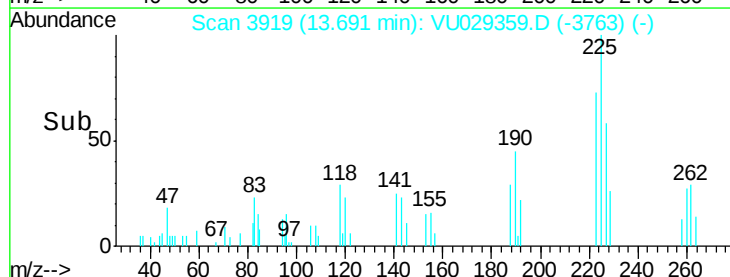
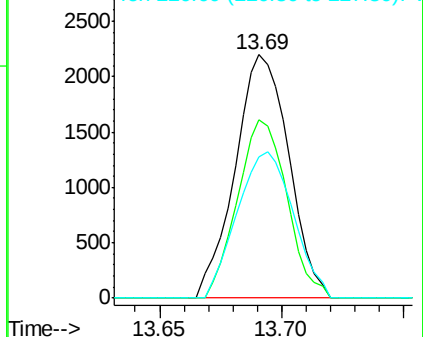
227 62.8 50.4 75.6

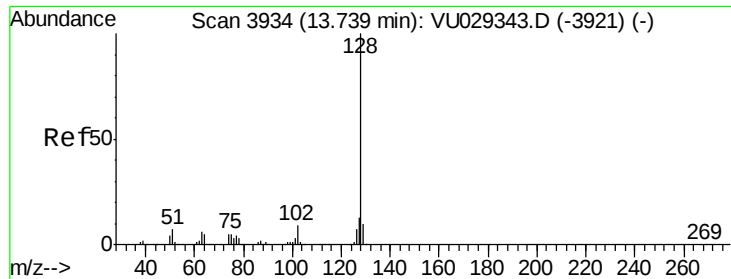


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





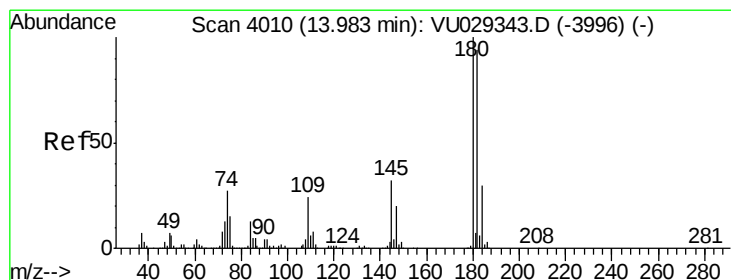
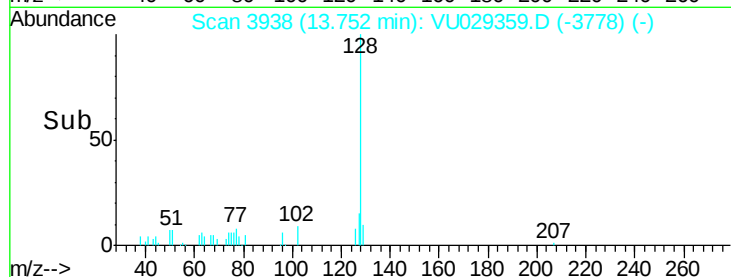
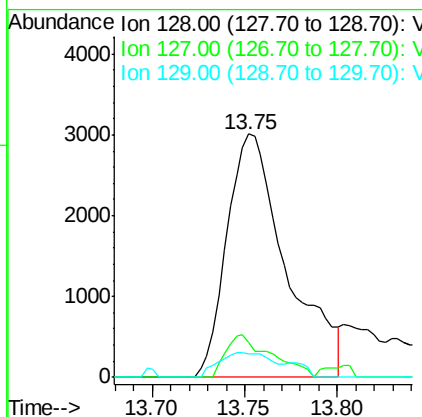
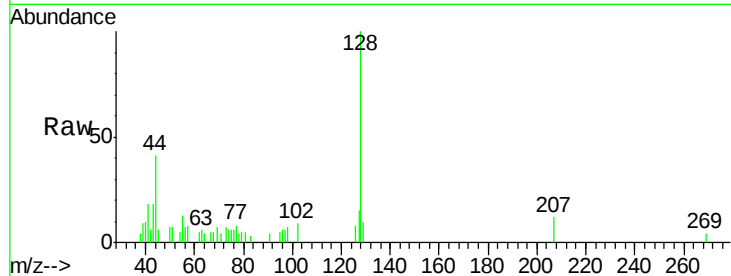
#89
Naphthalene
Concen: 0.175 ug/l
RT: 13.75 min Scan# 3938
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	9.2	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 0.218 ug/l
RT: 13.99 min Scan# 4012
Delta R.T. 0.01 min
Lab File: VU029359.D
Acq: 06 Feb 2019 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.2	78.0	117.0
145	28.8	26.6	39.8

