

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020519\
 Data File : VU029351.D
 Acq On : 05 Feb 2019 17:22
 Operator : JC/SP
 Sample : VU0205WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0205WBS01

Manual Integrations
 APPROVED

sam
 2/8/2019 2:27:03 PM

Quant Time: Feb 08 11:27:03 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	50101	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19874	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20953	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.21	85	37651	2.014	ug/l	99
3) Chloromethane	1.33	50	33944	1.987	ug/l	98
4) Vinyl Chloride	1.40	62	39989	1.996	ug/l	96
5) Bromomethane	1.63	94	26135	2.346	ug/l	96
6) Chloroethane	1.70	64	23121	1.976	ug/l	98
7) Trichlorofluoromethane	1.88	101	58554	2.093	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	31943	2.163	ug/l	89
9) 1,1-Dichloroethene	2.28	96	30928	2.140	ug/l	78
10) Iodomethane	2.41	142	31938	1.732	ug/l #	77
11) Allyl Chloride	2.59	41	48791	2.013	ug/l	96
12) Acrylonitrile	2.94	53	12991	4.010	ug/l	96
13) Acetone	2.32	43	28806	9.227	ug/l #	89
14) Carbon Disulfide	2.48	76	105507	2.068	ug/l	99
15) Methylene Chloride	2.70	84	34834	1.988	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	34374	2.127	ug/l #	79
17) 1,1-Dichloroethane	3.44	63	50152	1.958	ug/l	97
18) 2-Butanone	4.28	43	33558	9.617	ug/l	97
19) Cyclohexane	4.99	56	46223m	1.946	ug/l	
20) Methylcyclohexane	6.41	83	50674	2.032	ug/l	87
21) 2,2-Dichloropropane	4.22	77	47777	2.015	ug/l	92
22) cis-1,2-Dichloroethene	4.22	96	31573	2.074	ug/l	80
23) Diethyl Ether	2.10	59	23893	2.059	ug/l	89
24) tert-Butyl Alcohol	2.84	59	25067	20.783	ug/l #	93
25) Methyl tert-Butyl Ether	3.00	73	86663	2.130	ug/l #	87
26) Bromochloromethane	4.55	128	14178	2.108	ug/l	73
27) Chloroform	4.67	83	51682	2.075	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	47750	2.068	ug/l	95
29) 1,1-Dichloropropene	5.13	75	40861	2.039	ug/l	93
30) Carbon Tetrachloride	5.13	117	43431	2.078	ug/l	98
31) Isopropyl Ether	3.58	45	76766	1.986	ug/l	92
32) Ethyl-t-butyl ether	4.07	59	79723	2.059	ug/l	88
33) Tert-Amyl methyl ether	5.58	73	73822	2.108	ug/l	100
34) Propionitrile	4.34	54	9909	10.804	ug/l #	78
35) Benzene	5.39	78	113226	2.043	ug/l	98
36) 1,2-Dichloroethane	5.40	62	34318	2.047	ug/l #	88
37) Trichloroethene	6.18	130	33820	2.126	ug/l	87
38) 1,2-Dichloropropane	6.43	63	29167	2.023	ug/l	98
39) Methacrylonitrile	4.56	41	8741	1.861	ug/l #	88
40) Methyl acrylate	4.43	55	13217	1.864	ug/l #	87
41) Tetrahydrofuran	4.66	42	9979	4.218	ug/l #	87
42) 1-Chlorobutane	5.06	56	52135	1.942	ug/l	89

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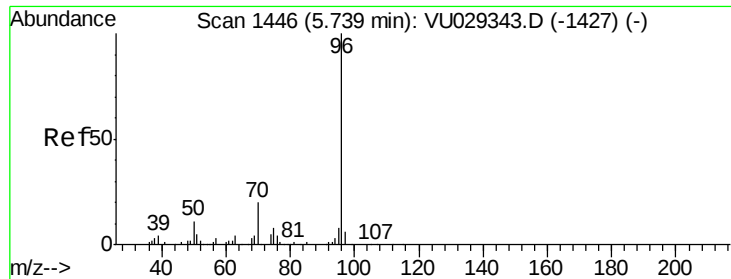
Manual Integrations
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Quant Time: Feb 08 11:27:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15825	2.060	ug/l	90
44) Bromodichloromethane	6.76	83	40082	2.047	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	90156	10.010	ug/l #	91
46) t-1,4-Dichloro-2-butene	10.52	75	16804m	3.830	ug/l	
47) Methyl methacrylate	6.63	69	28050	4.149	ug/l #	78
48) Ethyl methacrylate	8.02	69	29993	2.068	ug/l	83
49) Toluene	7.63	92	71791	2.024	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	38118	1.986	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	46384	2.035	ug/l	89
52) 1,1,2-Trichloroethane	8.07	97	21586	2.122	ug/l	95
53) 1,3-Dichloropropane	8.24	76	36528	2.044	ug/l	100
54) 2-Hexanone	8.37	43	60665	9.609	ug/l	85
55) Dibromochloromethane	8.48	129	30674	2.122	ug/l	99
56) 1,2-Dibromoethane	8.58	107	21833	2.092	ug/l	97
58) Tetrachloroethene	8.22	164	31623	2.137	ug/l	93
59) Chlorobenzene	9.12	112	81750	2.046	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	30610	2.073	ug/l	94
61) Pentachloroethane	11.10	117	23634	2.066	ug/l	89
62) Hexachloroethane	12.14	117	25616	2.051	ug/l	100
63) Ethyl Benzene	9.25	91	144667	2.085	ug/l	97
64) m/p-Xylenes	9.37	106	110378	4.094	ug/l	89
65) o-Xylene	9.78	106	53664	2.028	ug/l	89
66) Styrene	9.79	104	90784	2.058	ug/l	94
67) Bromoform	9.96	173	18675	2.076	ug/l	99
69) Isopropylbenzene	10.16	105	146134	2.067	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	26697	2.048	ug/l	95
71) 1,2,3-Trichloropropane	10.49	75	19845m	2.217	ug/l	
72) Bromobenzene	10.45	156	35800	2.089	ug/l	86
73) n-propylbenzene	10.58	120	40772	2.070	ug/l	78
74) 2-Chlorotoluene	10.66	126	35684	2.128	ug/l	76
75) 1,3,5-Trimethylbenzene	10.77	105	122678	2.012	ug/l	95
76) 4-Chlorotoluene	10.77	126	34261	1.968	ug/l	86
77) tert-Butylbenzene	11.10	119	124640	2.068	ug/l	92
78) 1,2,4-Trimethylbenzene	11.15	105	126415	2.048	ug/l	95
79) sec-Butylbenzene	11.32	105	161693	2.051	ug/l	96
80) Nitrobenzene	12.87	77	3333	5.738	ug/l #	98
81) p-Isopropyltoluene	11.47	119	134529	2.013	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	70272	2.090	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	68991	2.060	ug/l	97
84) n-Butylbenzene	11.89	91	121255	1.977	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	66240	2.083	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4762	1.957	ug/l #	60
87) 1,2,4-Trichlorobenzene	13.50	180	45419	2.034	ug/l	99
88) Hexachlorobutadiene	13.69	225	27588	2.133	ug/l	98
89) Naphthalene	13.74	128	81083	2.141	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	42634	2.089	ug/l	97

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

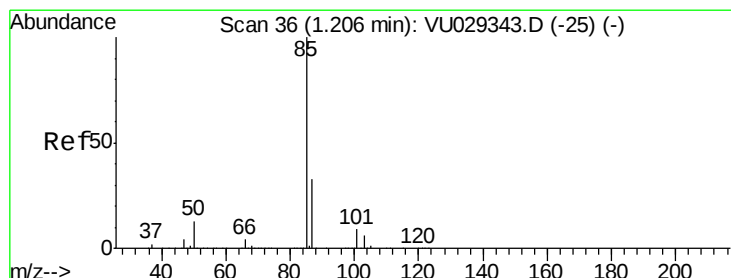
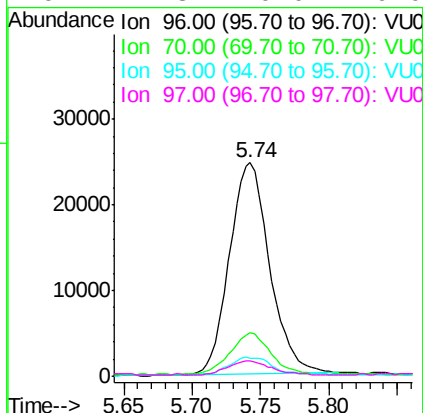
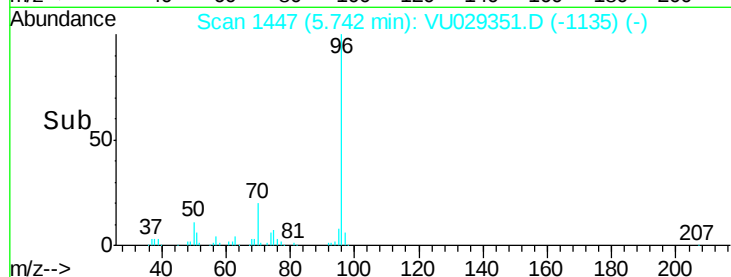
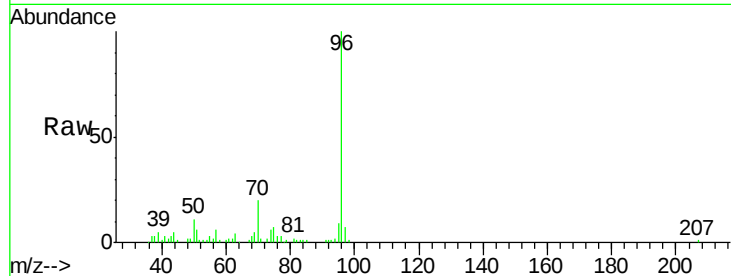
ClientSampleId :

VU0205WBS01

Tot Ion:	96	Resp:	50101
Ion Ratio	Lower	Upper	
96	100		
70	19.9	16.2	24.2
95	8.8	7.4	11.2
97	7.3	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 2.014 ug/l

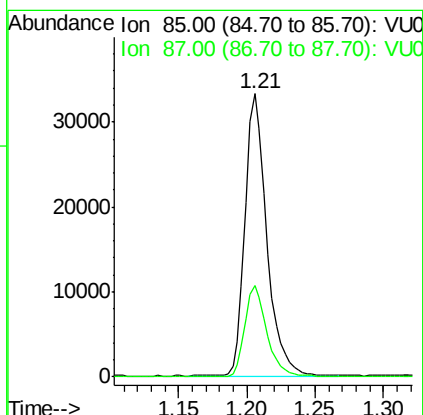
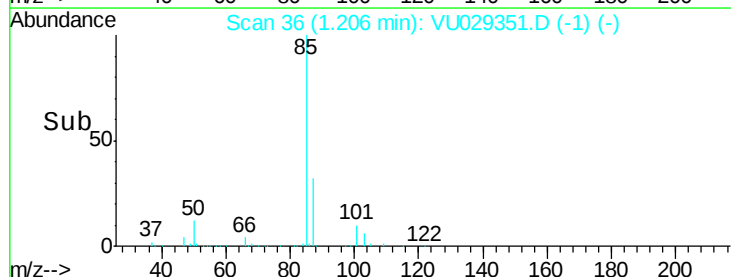
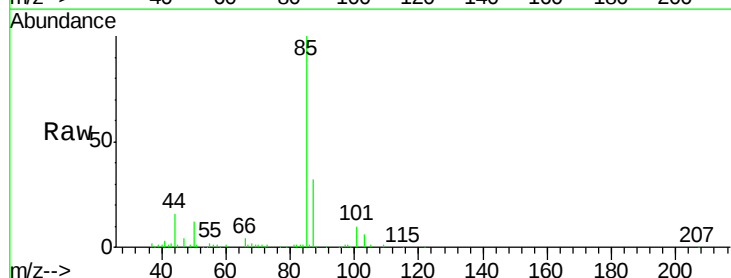
RT: 1.21 min Scan# 36

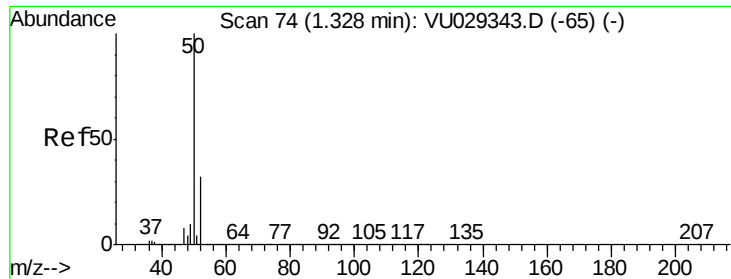
Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	85	Resp:	37651
Ion Ratio	Lower	Upper	
85	100		
87	32.1	15.9	47.6





#3

Chloromethane

Concen: 1.987 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 50 Resp: 33944

Ion Ratio Lower Upper

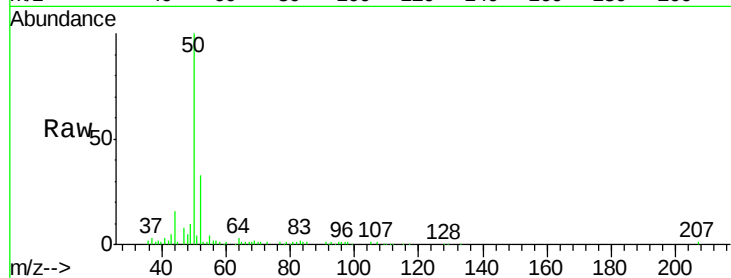
50 100

52 33.1 27.3 40.9

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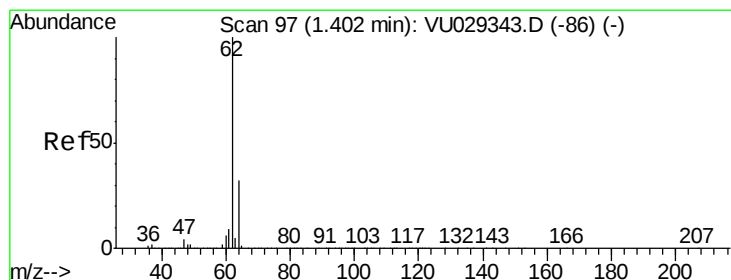
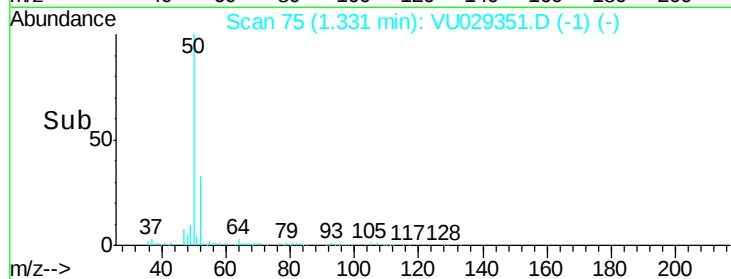
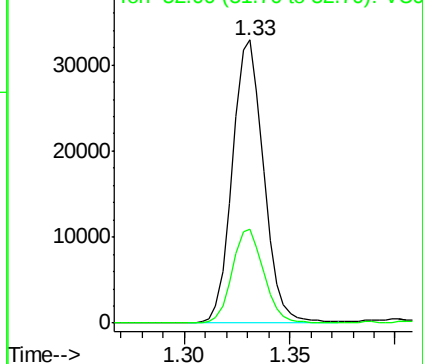
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.996 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029351.D

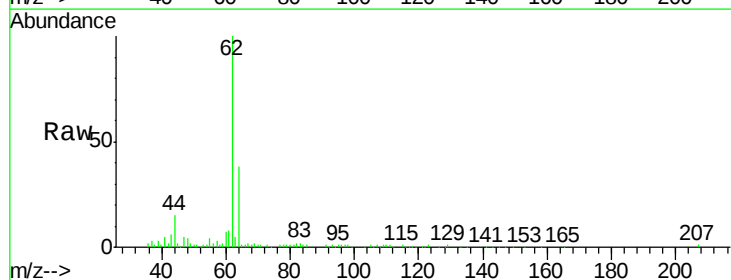
Acq: 05 Feb 2019 17:22

Tgt Ion: 62 Resp: 39989

Ion Ratio Lower Upper

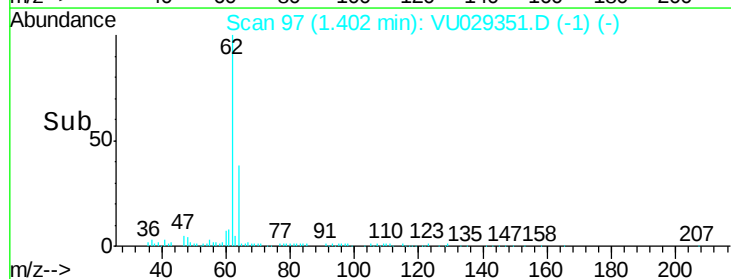
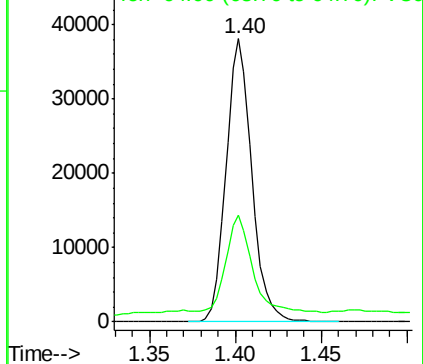
62 100

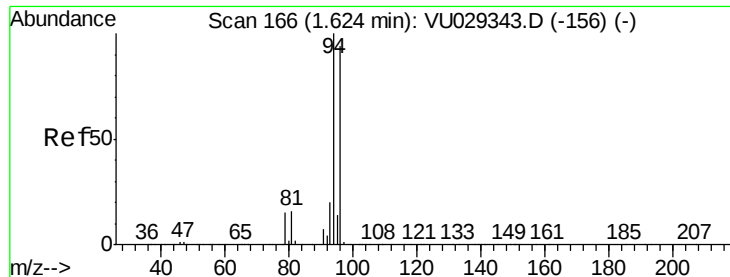
64 33.8 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 2.346 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 94 Resp: 26135

Ion Ratio Lower Upper

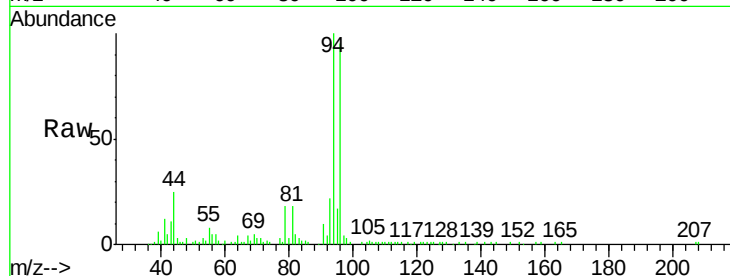
94 100

96 93.4 71.7 107.5

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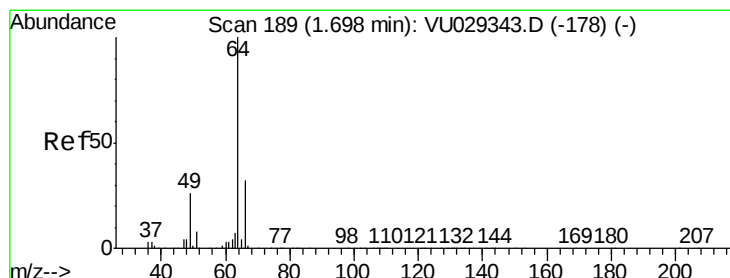
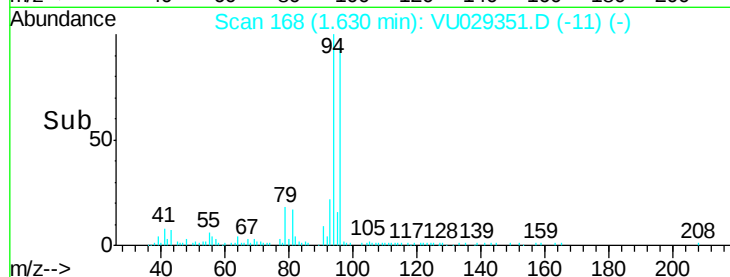
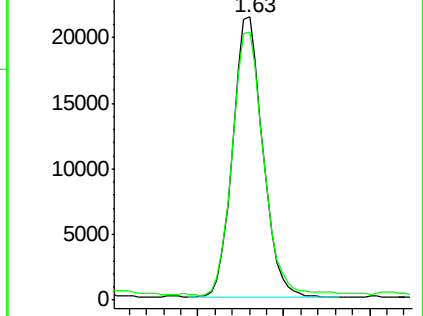
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.976 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029351.D

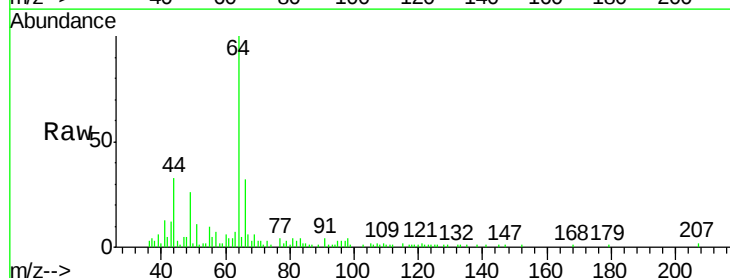
Acq: 05 Feb 2019 17:22

Tgt Ion: 64 Resp: 23121

Ion Ratio Lower Upper

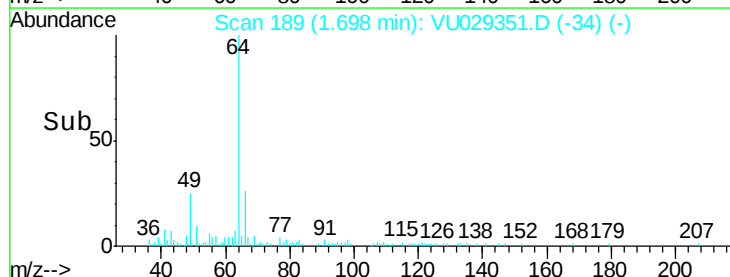
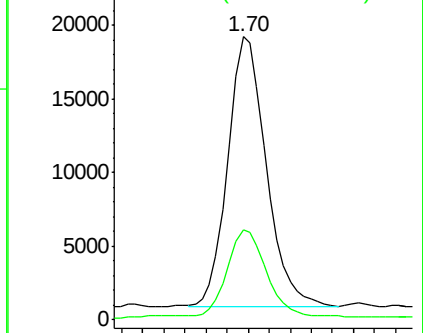
64 100

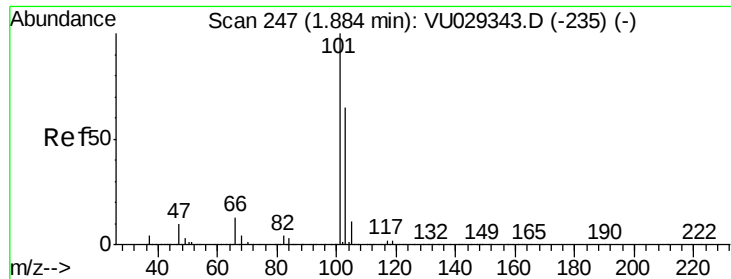
66 31.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

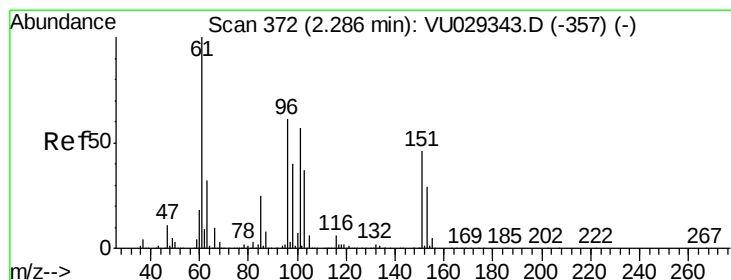
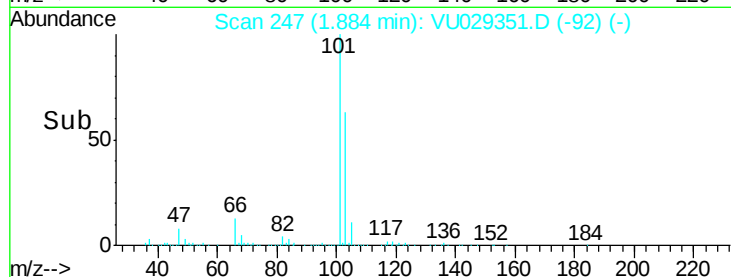
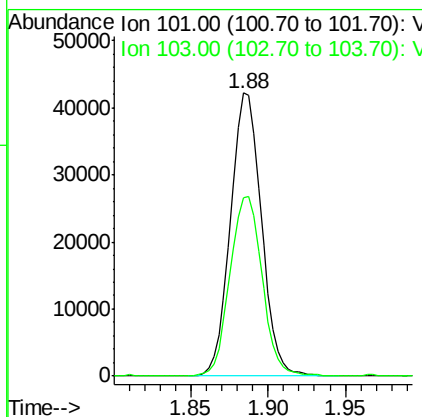
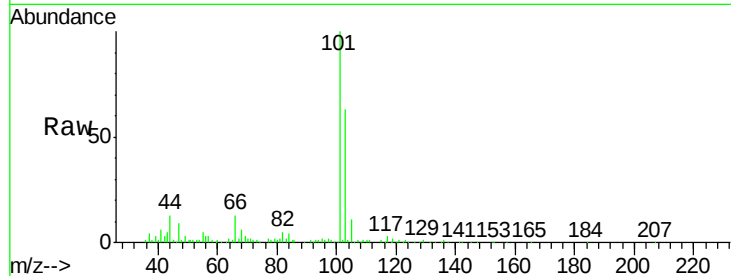
Trichlorofluoromethane
Concen: 2.093 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	53.9	80.9

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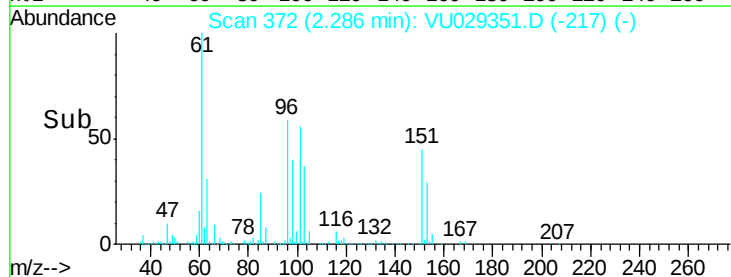
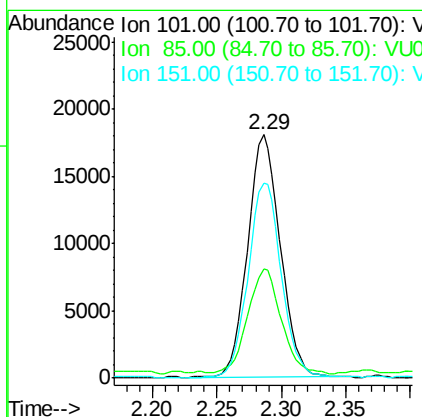
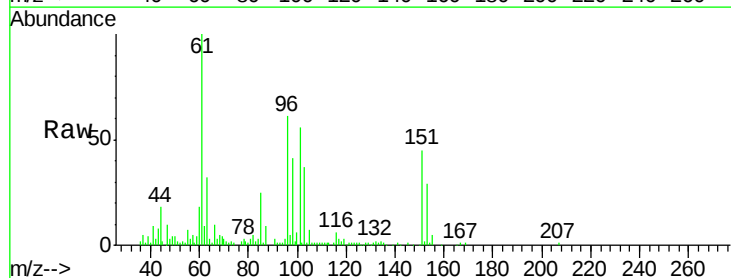
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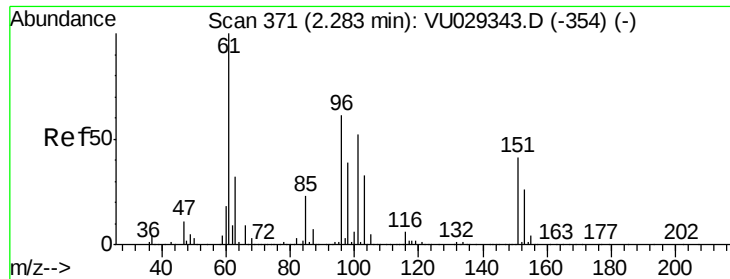


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.163 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.1	40.3	60.5
151	81.5	58.1	87.1





#9

1,1-Dichloroethene

Concen: 2.140 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

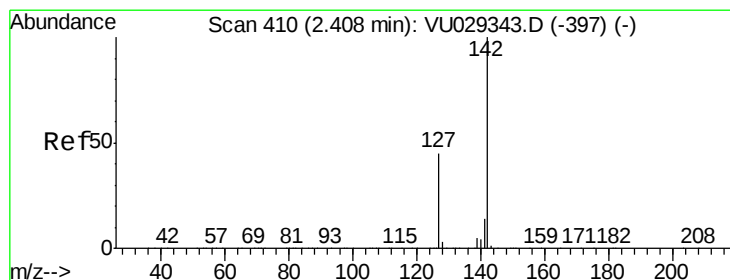
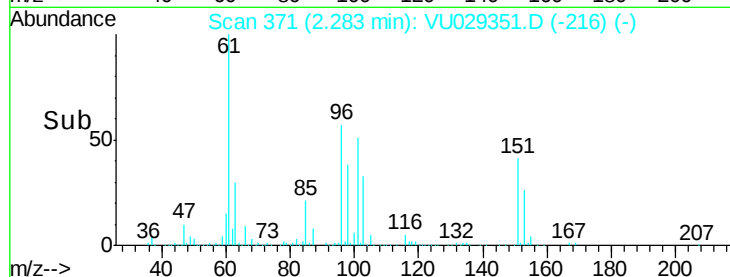
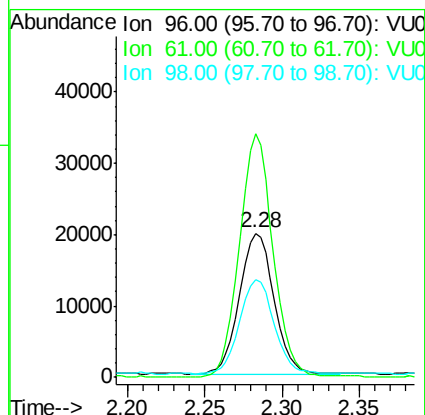
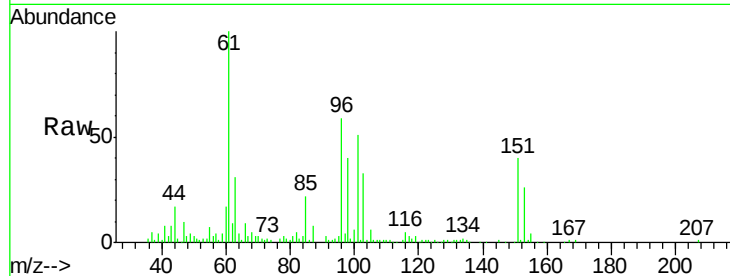
ClientSampleId :

VU0205WBS01

Tot Ion:	96	Resp:	30928
Ion	Ratio	Lower	Upper
96	100		
61	172.4	0.0	641.4
98	66.4	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 1.732 ug/l

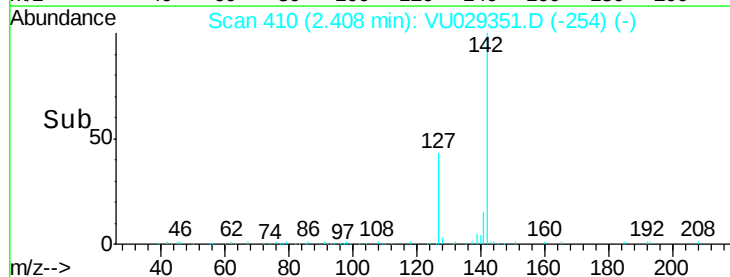
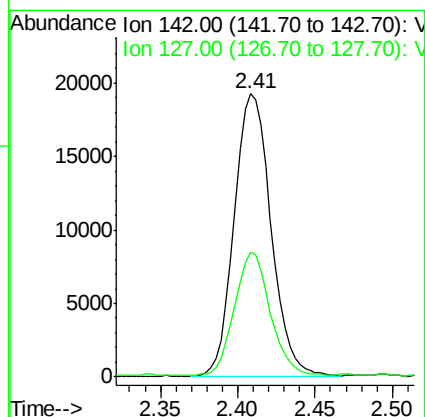
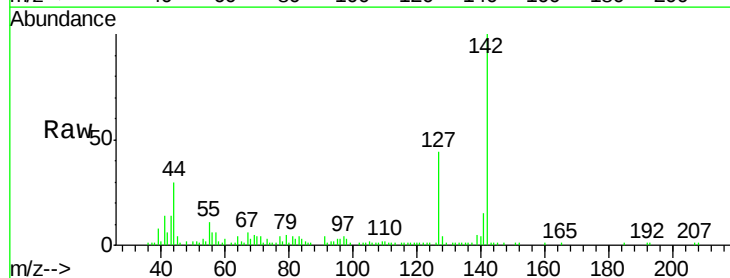
RT: 2.41 min Scan# 410

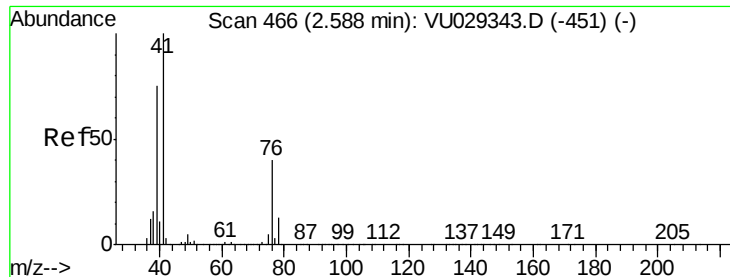
Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	142	Resp:	31938
Ion	Ratio	Lower	Upper
142	100		
127	41.9	47.6	71.4#





#11

Allvl Chloride

Concen: 2.013 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 41 Resp: 48791

Ion Ratio Lower Upper

41 100

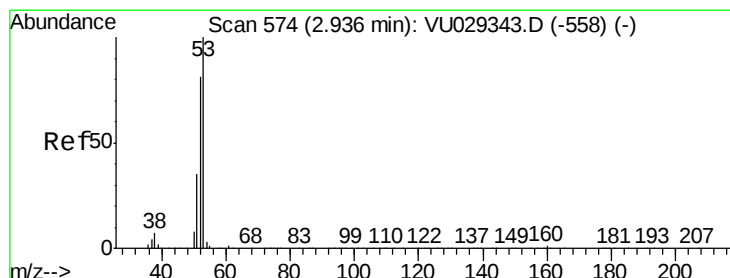
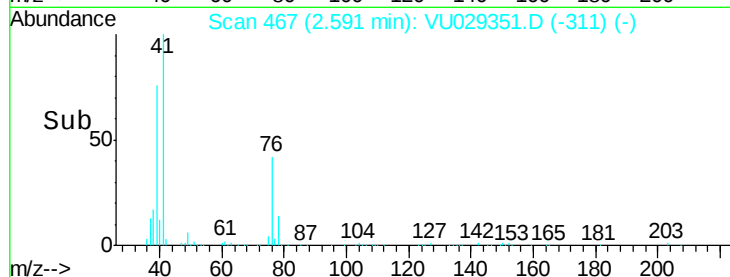
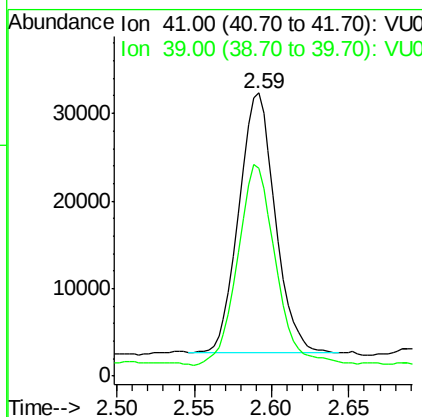
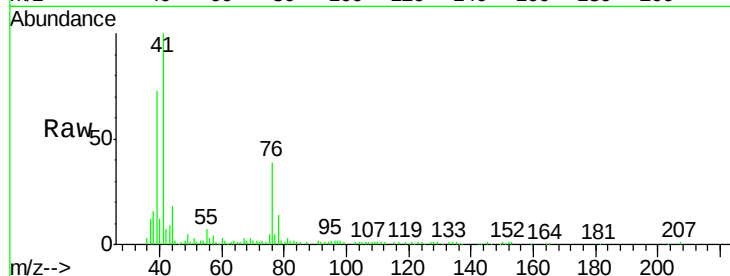
39 80.5 67.2 100.8

Manual Integrations

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#12

Acrylonitrile

Concen: 4.010 ug/l

RT: 2.94 min Scan# 574

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

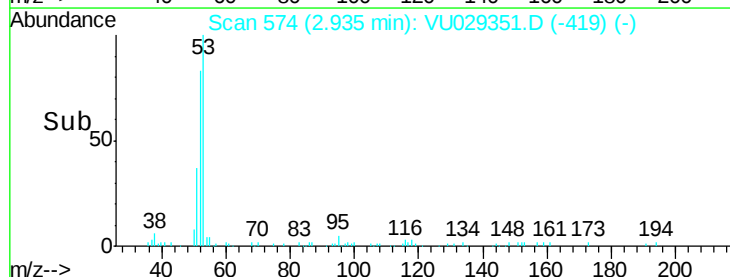
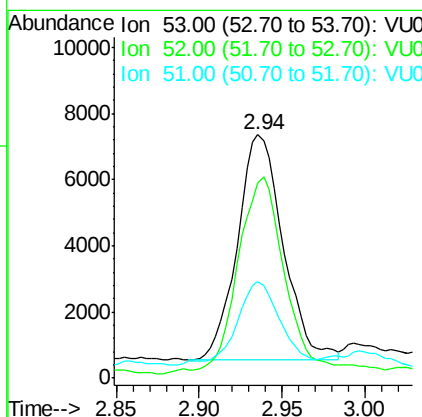
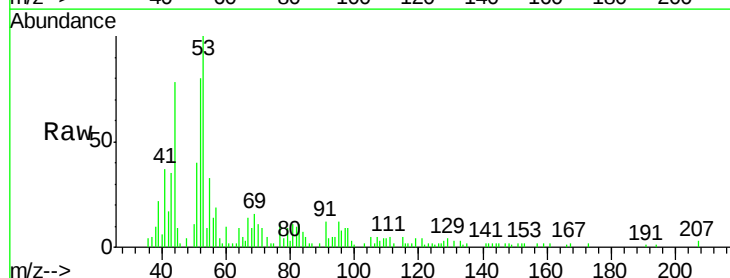
Tgt Ion: 53 Resp: 12991

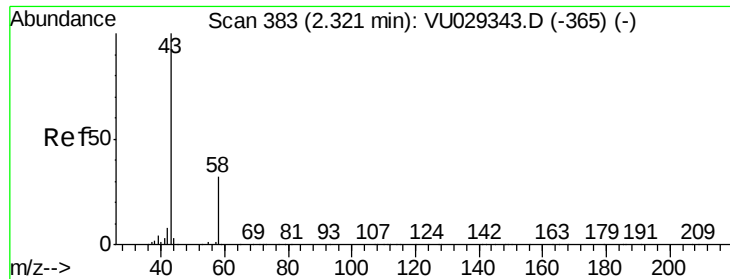
Ion Ratio Lower Upper

53 100

52 86.2 67.6 101.4

51 32.6 31.0 46.4





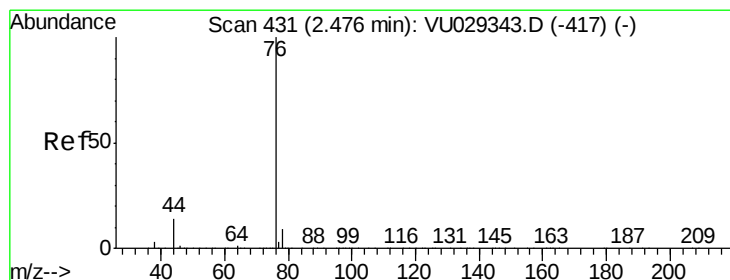
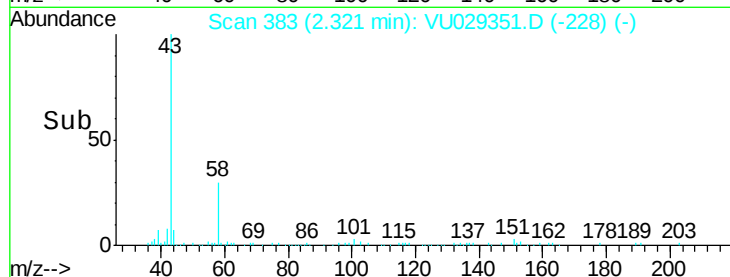
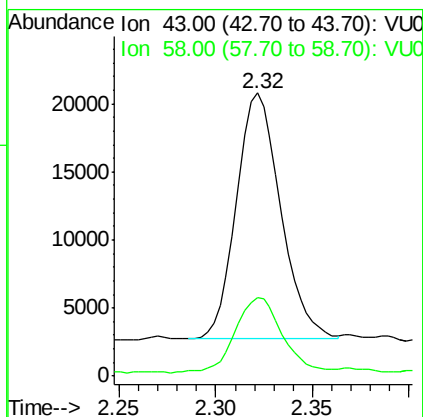
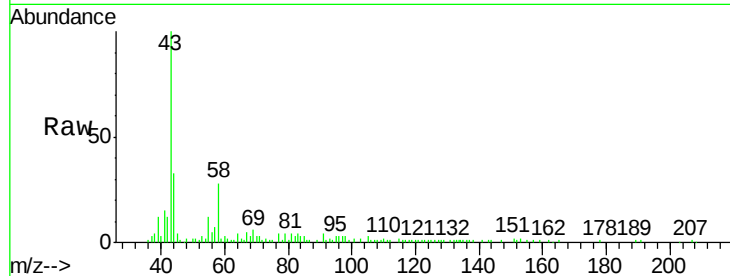
#13
Acetone
Concen: 9.227 ug/l
RT: 2.32 min Scan# 383
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion: 43 Resp: 28806
Ion Ratio Lower Upper
43 100
58 29.7 19.2 28.8#

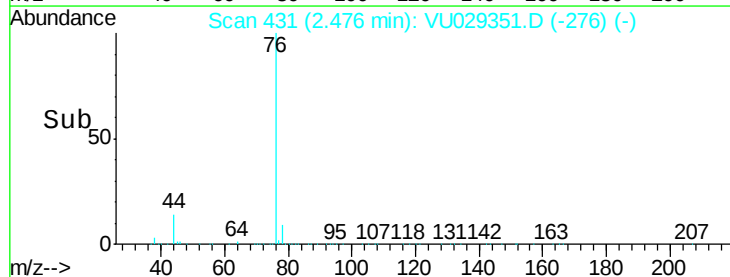
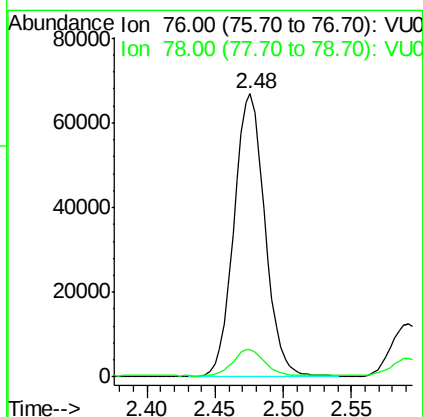
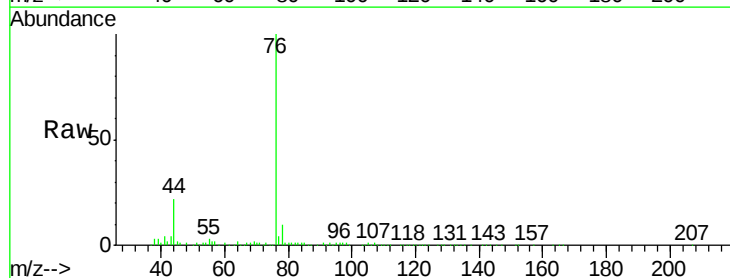
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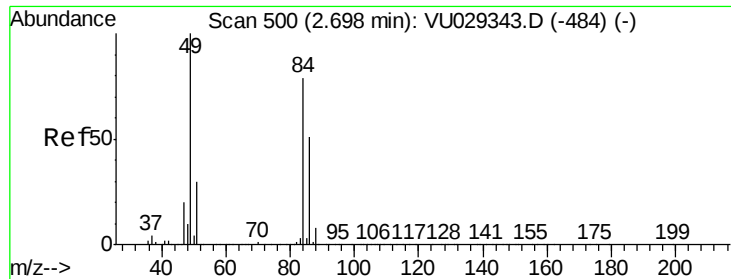
sam
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#14
Carbon Disulfide
Concen: 2.068 ug/l
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion: 76 Resp: 105507
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7





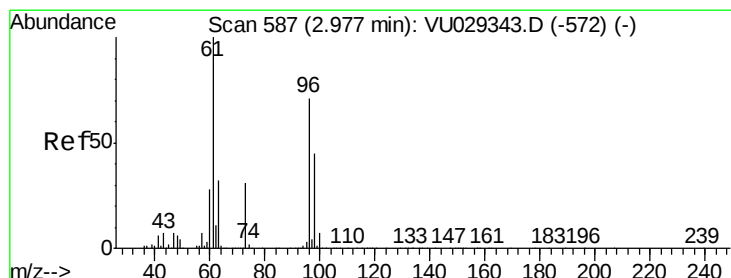
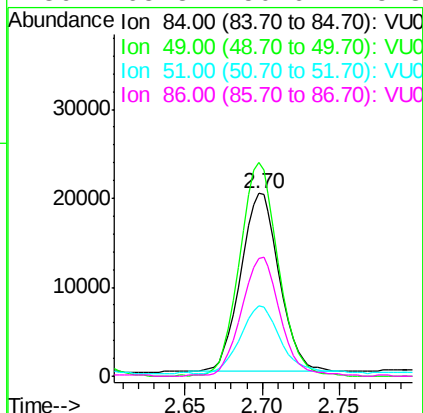
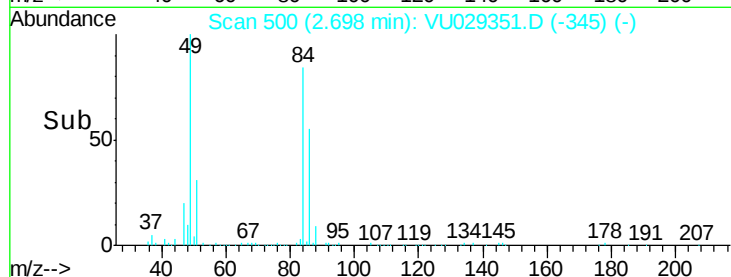
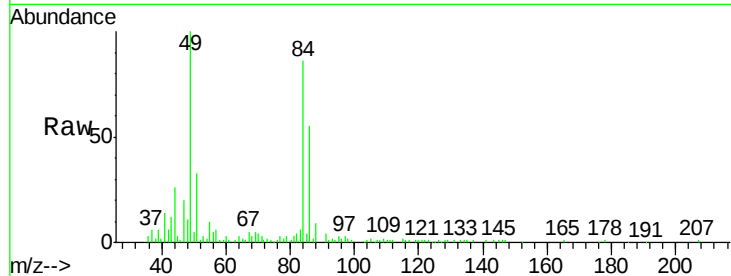
#15
Methvlene Chloride
Concen: 1.988 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
84	100		
49	119.9	127.0	190.6#
51	37.5	0.0	93.4
86	65.8	50.6	75.8

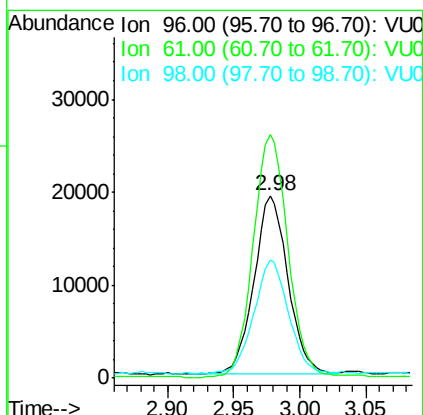
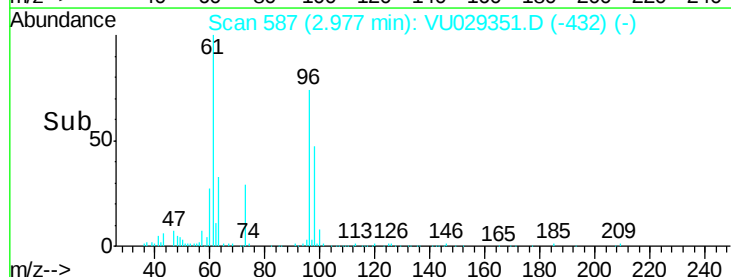
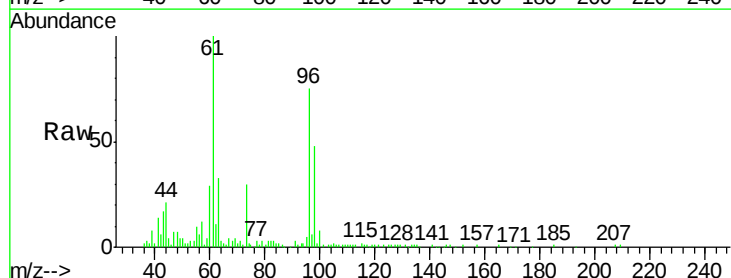
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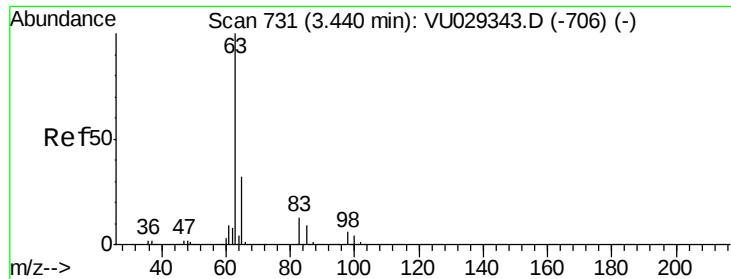
sam
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#16
trans-1,2-Dichloroethene
Concen: 2.127 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.2	140.6	210.8#
98	62.8	49.3	73.9





#17

1,1-Dichloroethane

Concen: 1.958 ug/l

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

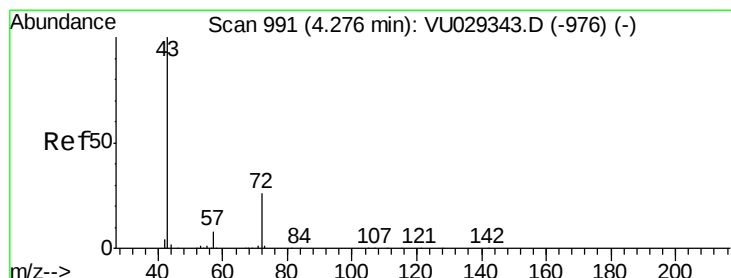
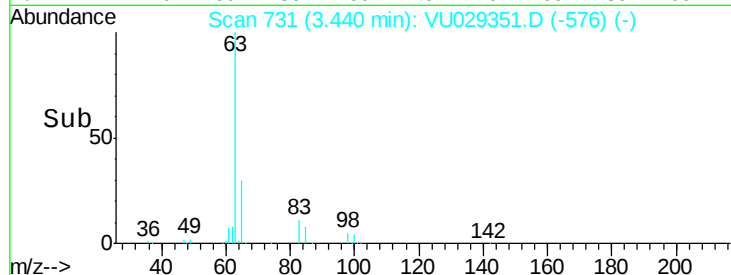
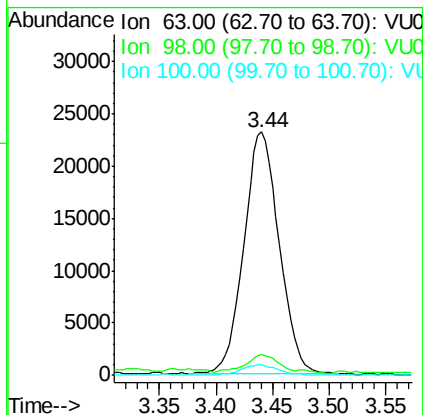
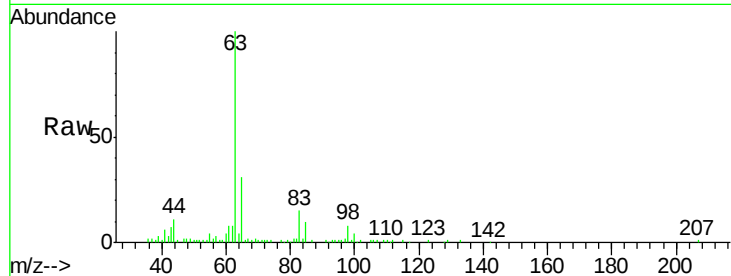
ClientSampleId :

VU0205WBS01

Tot Ion:	63	Resp:	50152
Ion Ratio	Lower	Upper	
63	100		
98	6.9	2.9	8.8
100	4.2	1.7	5.1

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#18

2-Butanone

Concen: 9.617 ug/l

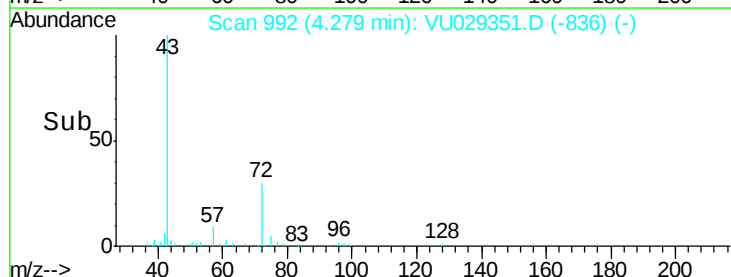
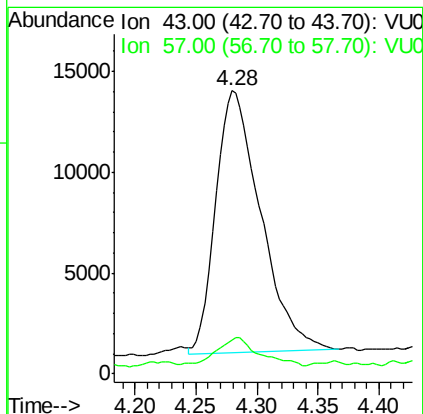
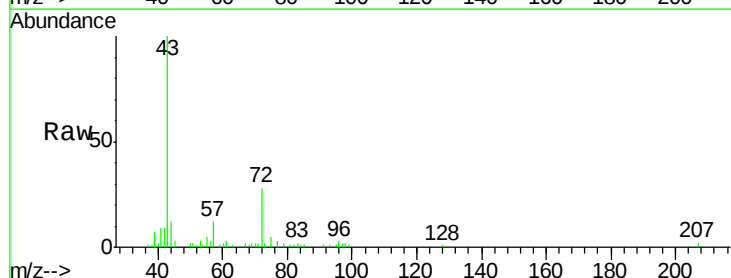
RT: 4.28 min Scan# 992

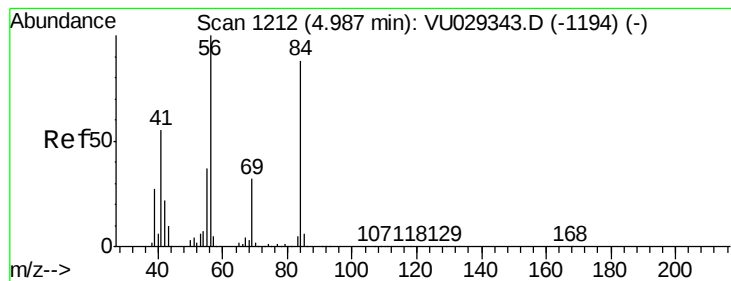
Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	43	Resp:	33558
Ion Ratio	Lower	Upper	
43	100		
57	9.1	0.0	15.8





#19

Cyclohexane

Concen: 1.946 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

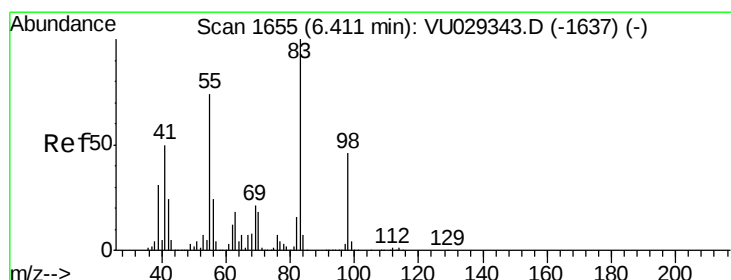
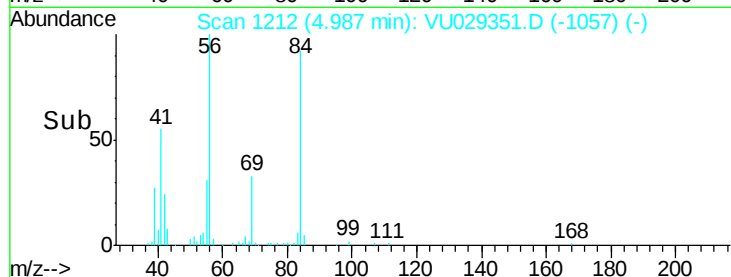
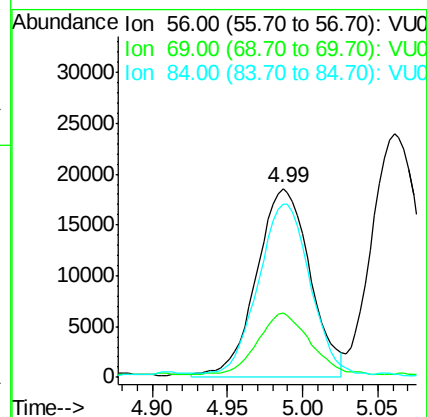
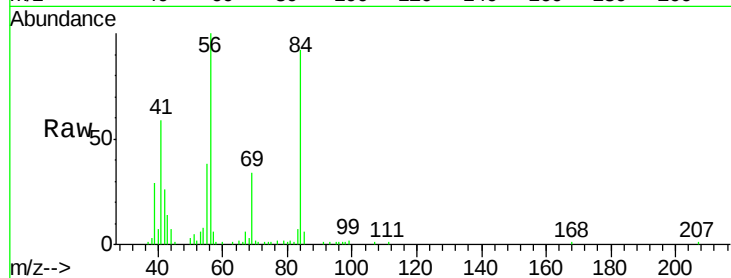
ClientSampleId :

VU0205WBS01

Tot Ion:	56	Resp:	46223
Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.8	40.2
84	84.9	71.5	107.3

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#20

Methylcyclohexane

Concen: 2.032 ug/l

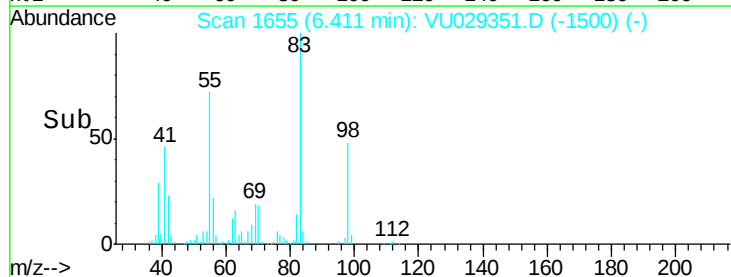
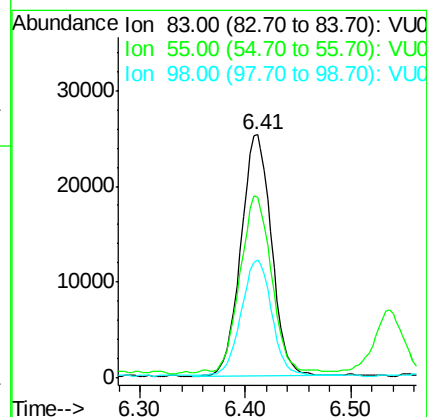
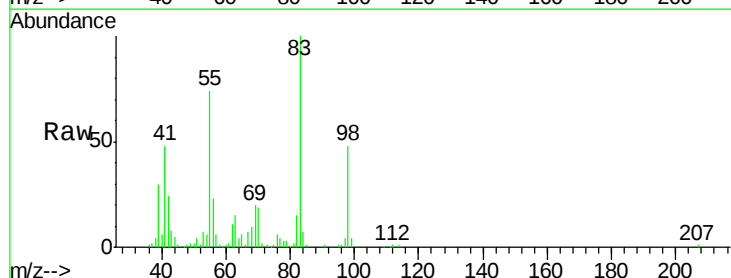
RT: 6.41 min Scan# 1655

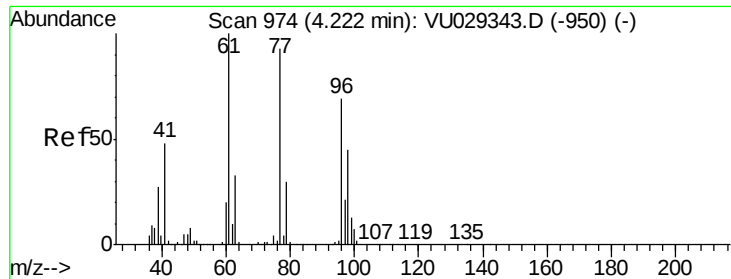
Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	83	Resp:	50674
Ion	Ratio	Lower	Upper
83	100		
55	72.5	72.4	108.6
98	47.4	36.6	54.8





#21

2,2-Dichloropropane

Concen: 2.015 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 77 Resp: 47777

Ion Ratio Lower Upper

77 100

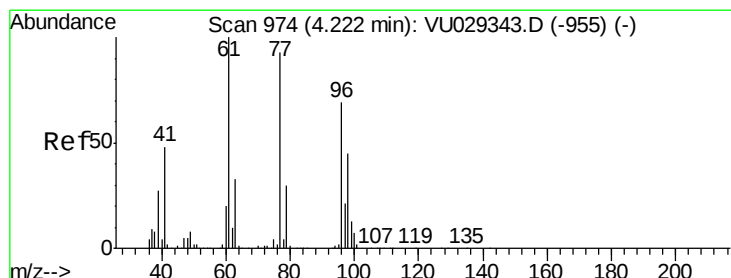
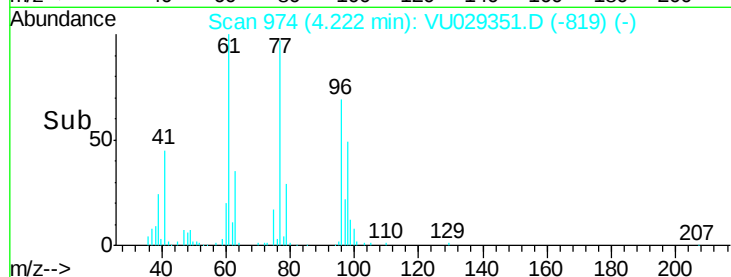
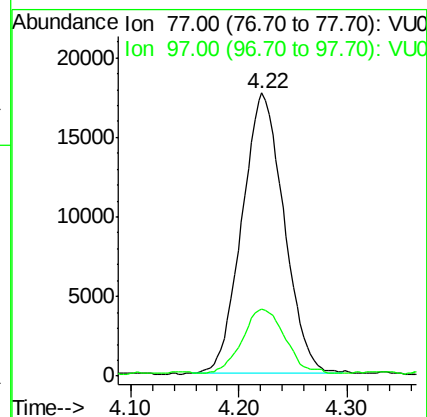
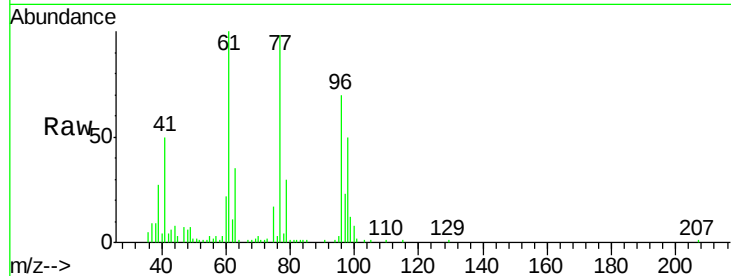
97 23.0 15.6 23.4

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 2.074 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

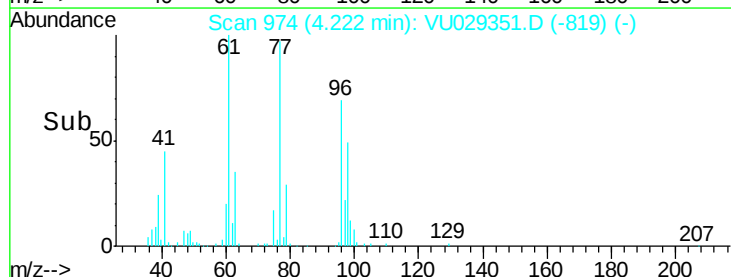
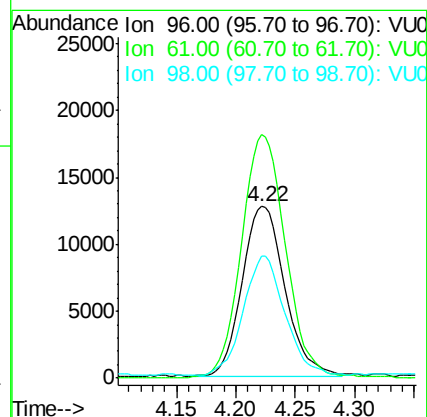
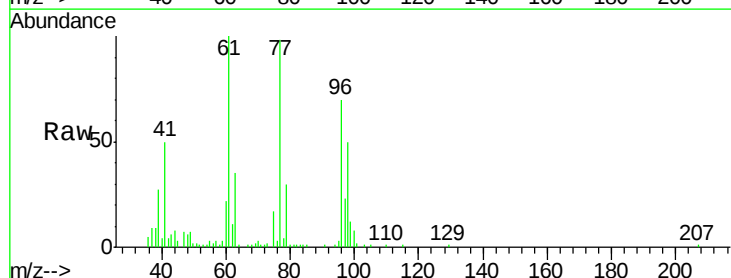
Tgt Ion: 96 Resp: 31573

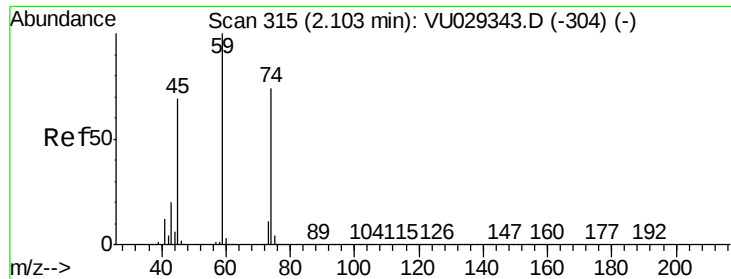
Ion Ratio Lower Upper

96 100

61 147.6 0.0 460.0

98 68.5 32.6 97.7





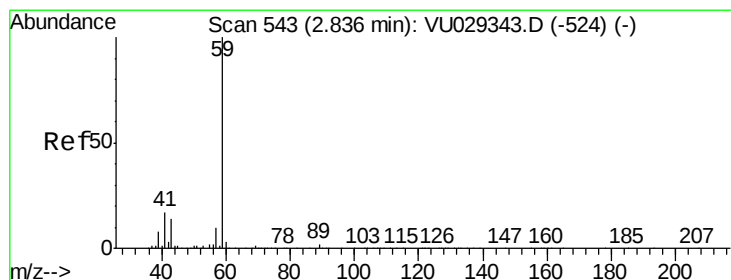
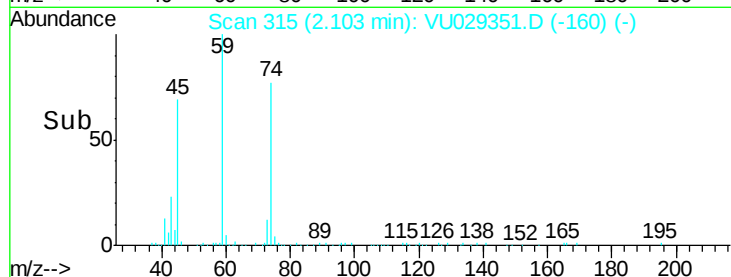
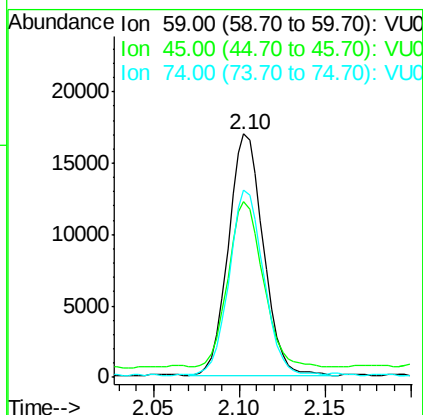
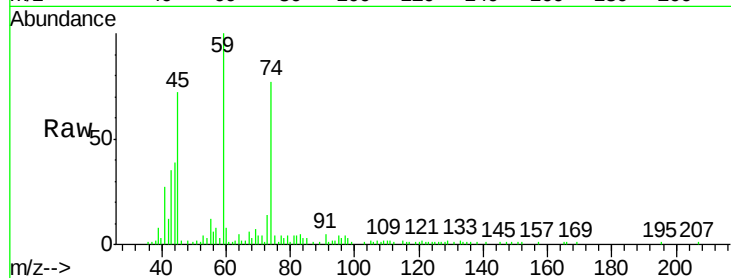
#23
Diethyl Ether
Concen: 2.059 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
45	69.1	64.2	96.4
74	76.1	55.3	82.9

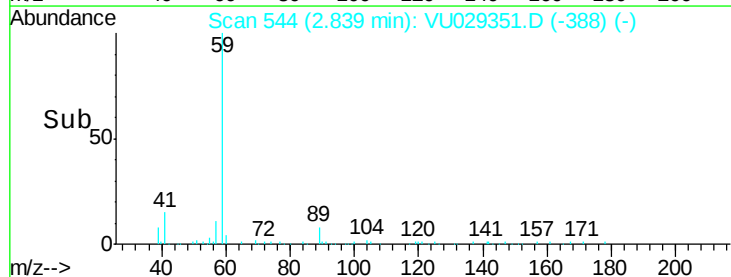
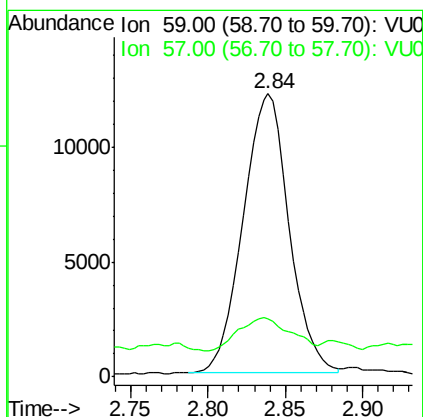
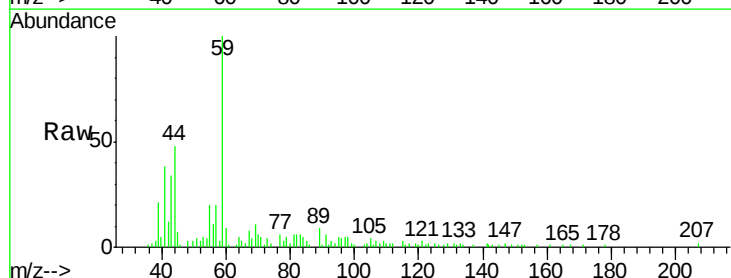
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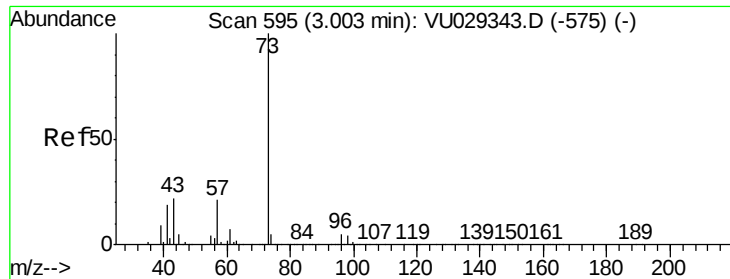
sam
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#24
tert-Butyl Alcohol
Concen: 20.783 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
59	100		
57	13.5	8.8	13.2#





#25

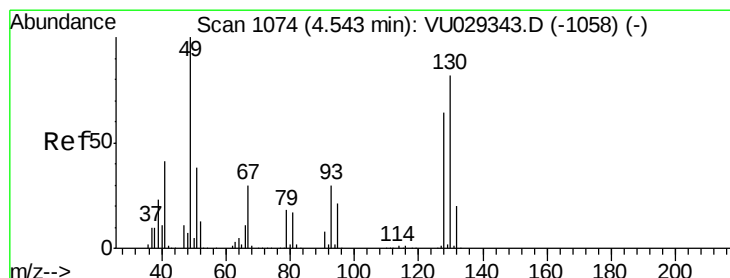
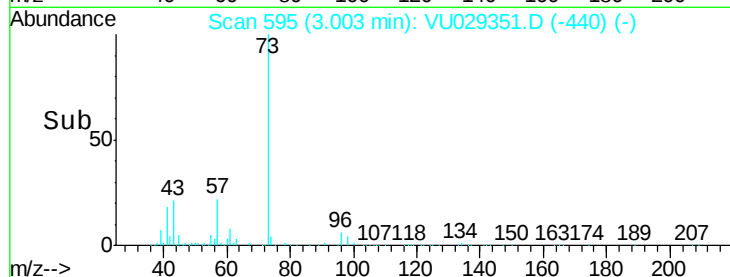
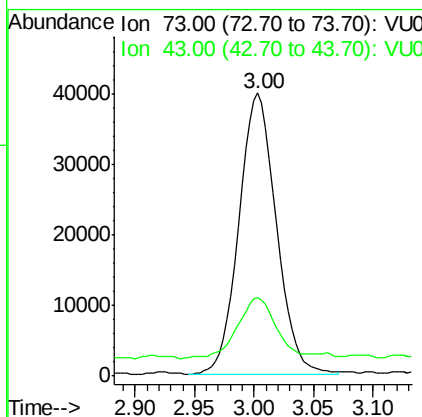
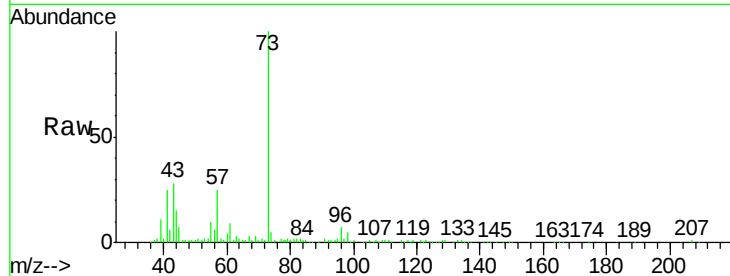
Methyl tert-Butyl Ether
 Concen: 2.130 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	73	Resp	86663
Ion Ratio	Lower	Upper	
73	100		
43	20.7	22.1	33.1#

Manual Integrations
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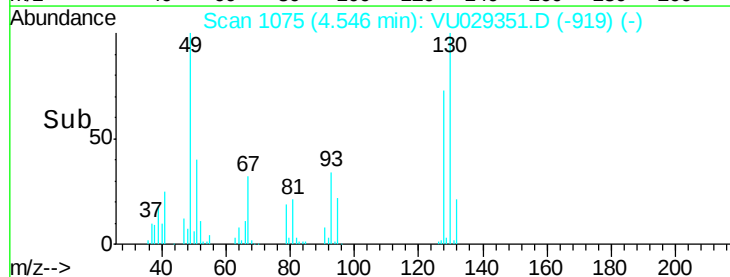
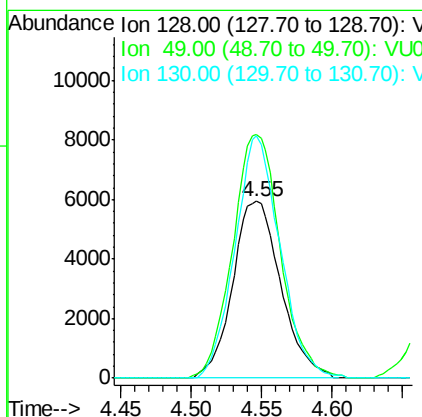
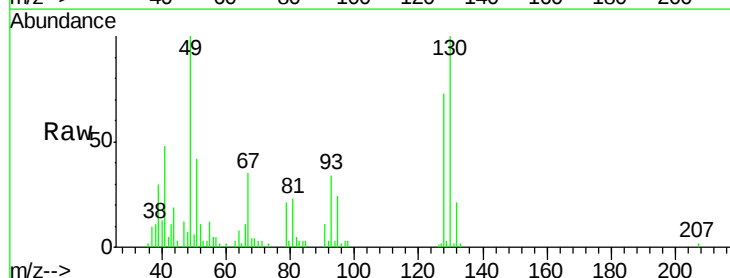
sam
 2/8/2019 2:27:03 PM

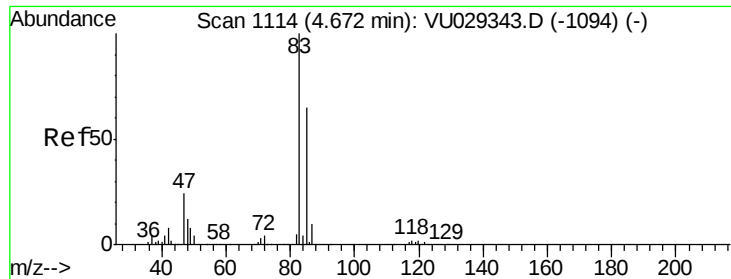


#26

Bromochloromethane
 Concen: 2.108 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	128	Resp	14178
Ion Ratio	Lower	Upper	
128	100		
49	137.2	0.0	401.6
130	128.8	108.0	162.0





#27

Chloroform

Concen: 2.075 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 83 Resp: 51682

Ion Ratio Lower Upper

83 100

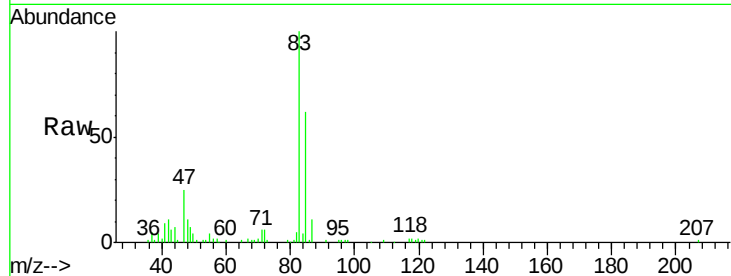
85 62.6 0.0 126.6

Manual Integrations

APPROVED

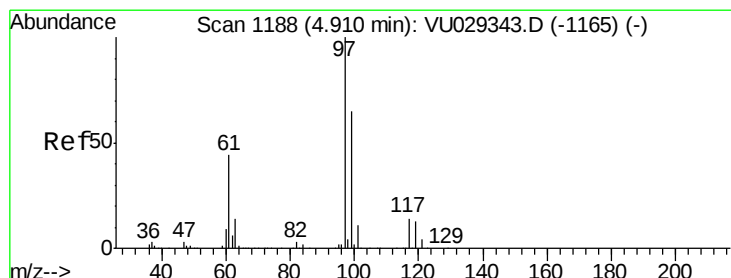
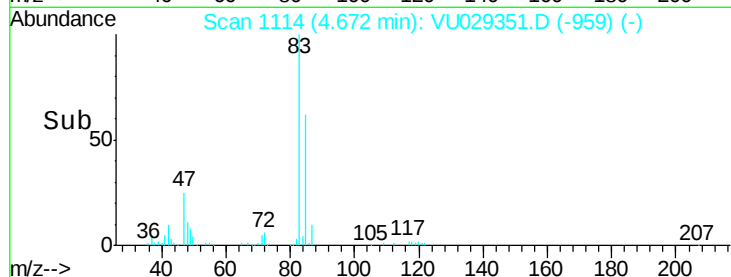
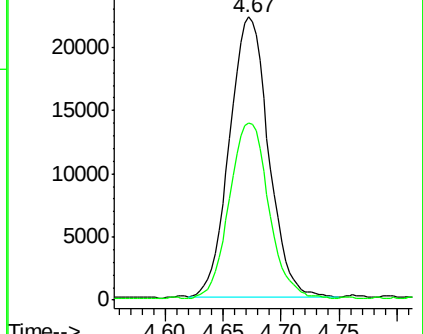
sam

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.068 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

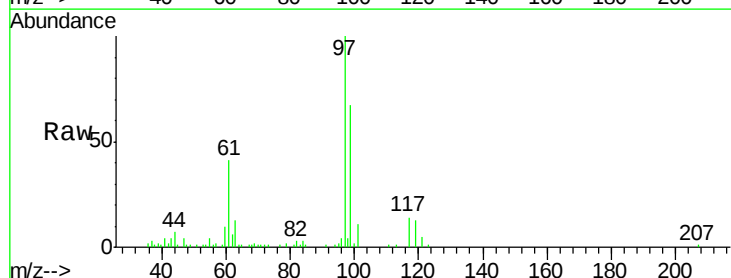
Tgt Ion: 97 Resp: 47750

Ion Ratio Lower Upper

97 100

99 65.7 32.4 97.2

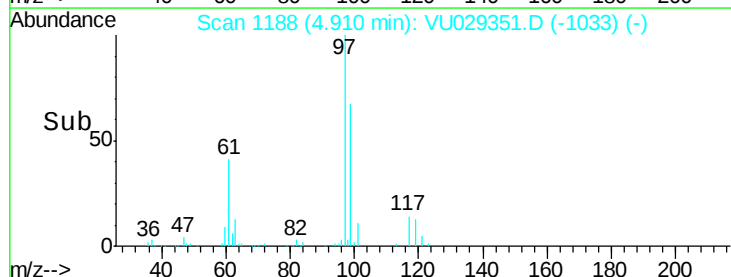
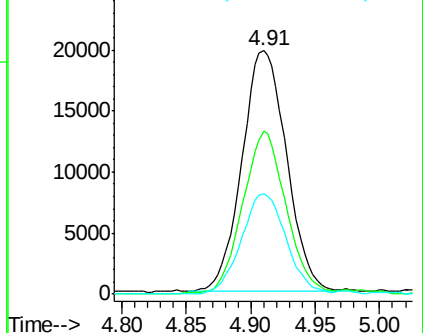
61 41.6 24.4 73.2

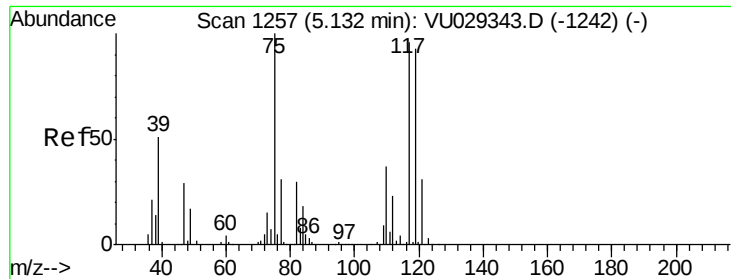


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





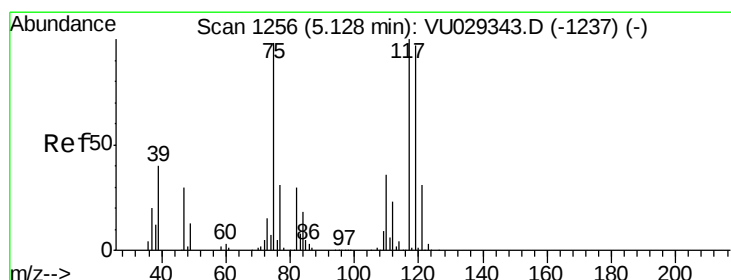
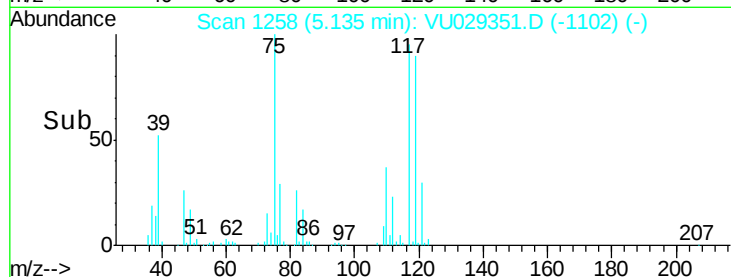
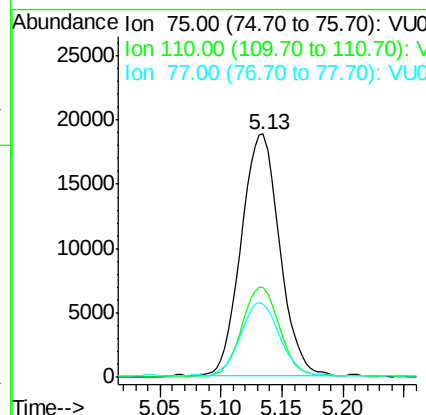
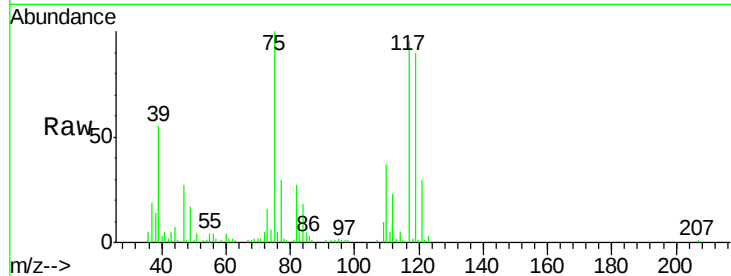
#29
 1,1-Dichloropropene
 Concen: 2.039 ug/l
 RT: 5.13 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	15.4	46.2
77	30.3	24.1	36.1

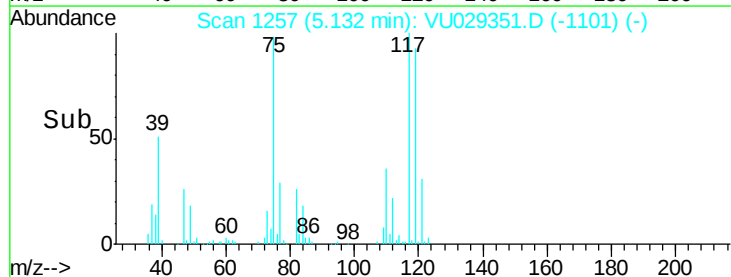
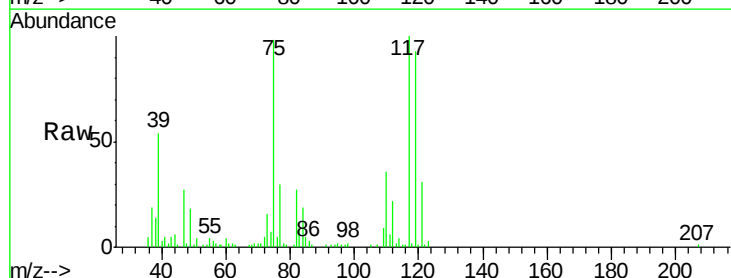
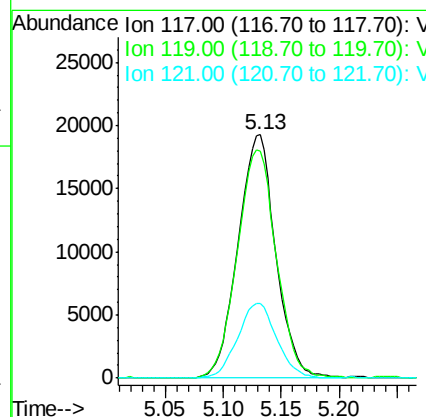
Manual Integrations
 APPROVED

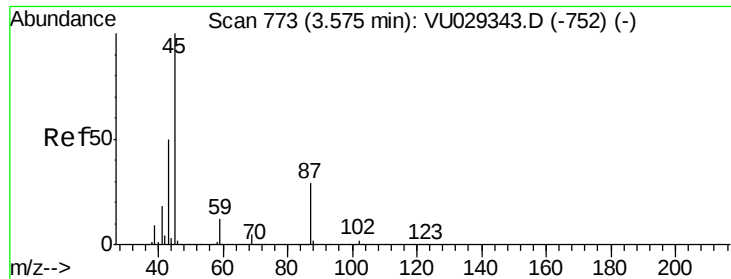
sam
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#30
 Carbon Tetrachloride
 Concen: 2.078 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.8	115.2
121	30.8	24.4	36.6





#31

Isopropyl Ether

Concen: 1.986 ug/l

RT: 3.58 min Scan# 774

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 45 Resp: 76766

Ion Ratio Lower Upper

45 100

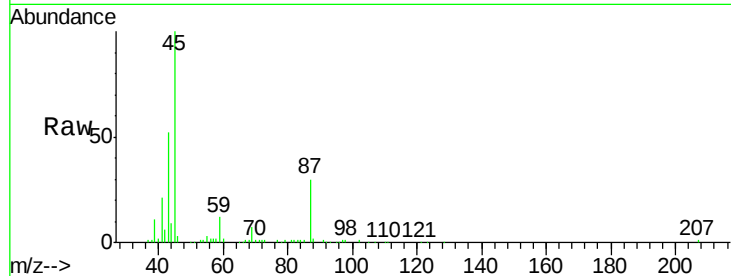
43 50.7 28.4 85.3

Manual Integrations

APPROVED

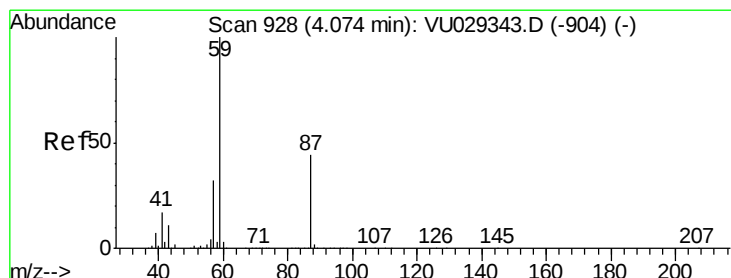
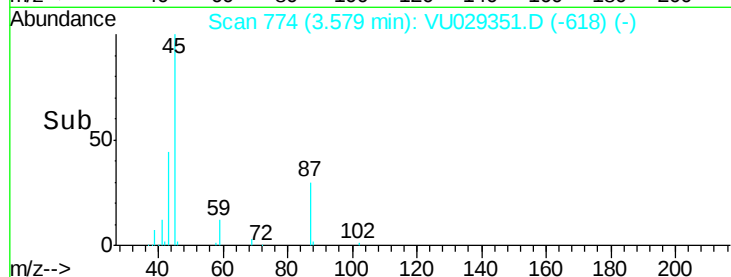
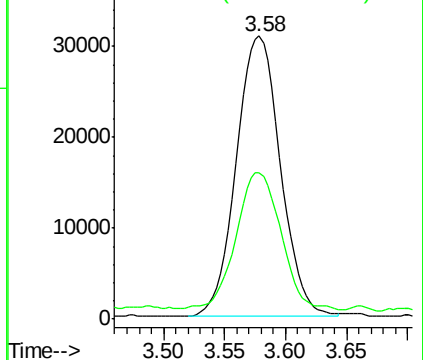
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 2.059 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU029351.D

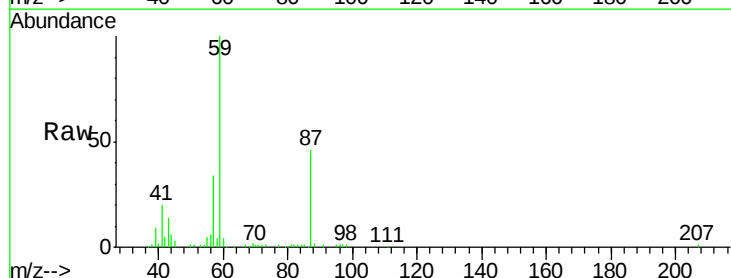
Acq: 05 Feb 2019 17:22

Tgt Ion: 59 Resp: 79723

Ion Ratio Lower Upper

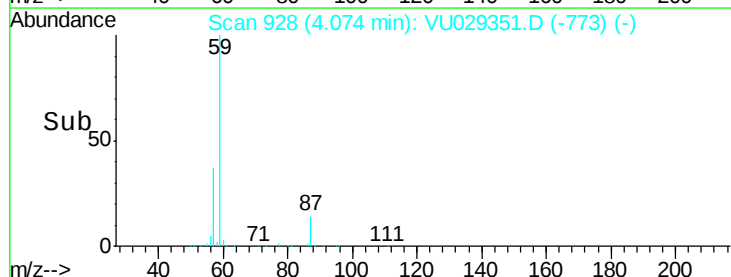
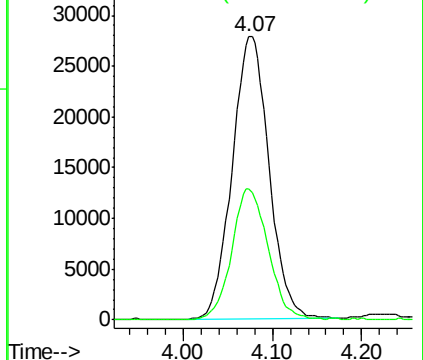
59 100

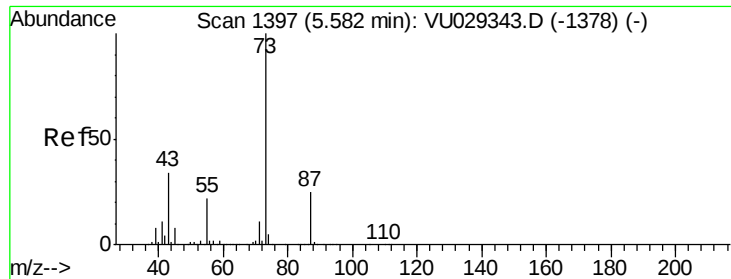
87 46.0 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





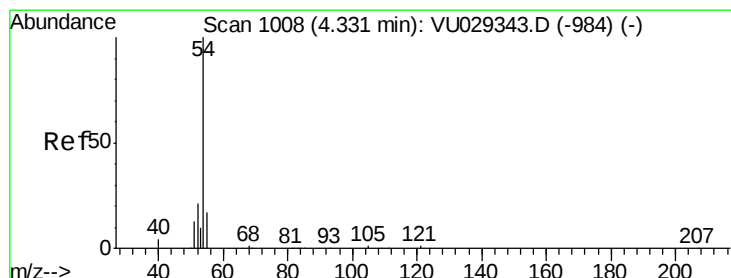
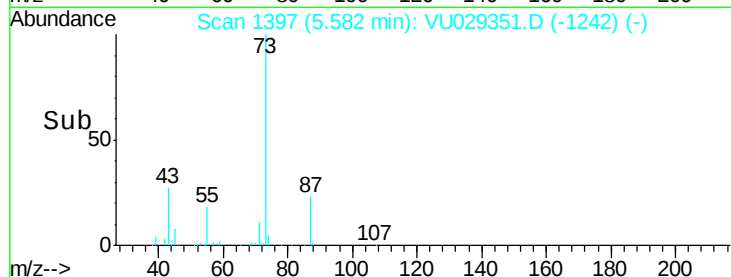
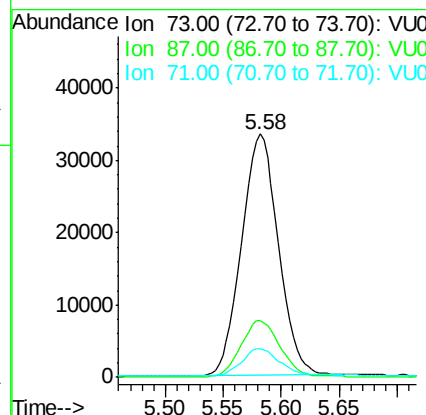
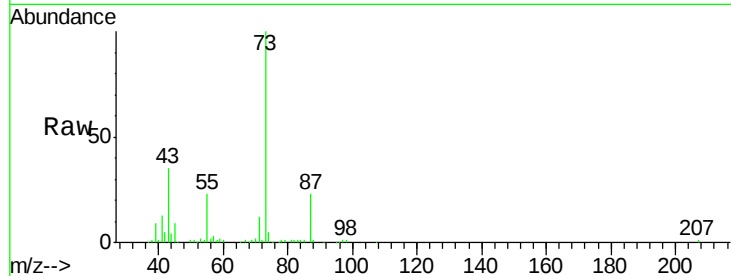
#33
Tert-Butyl methyl ether
Concen: 2.108 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.4	29.0
71	11.3	9.0	13.4

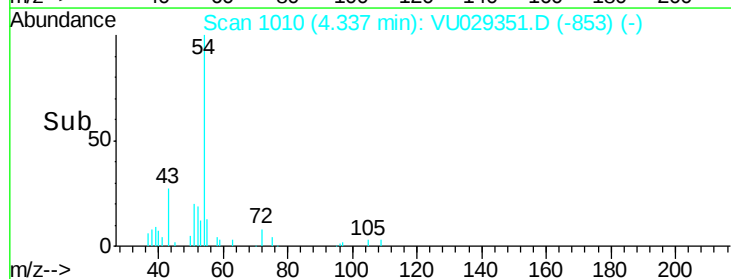
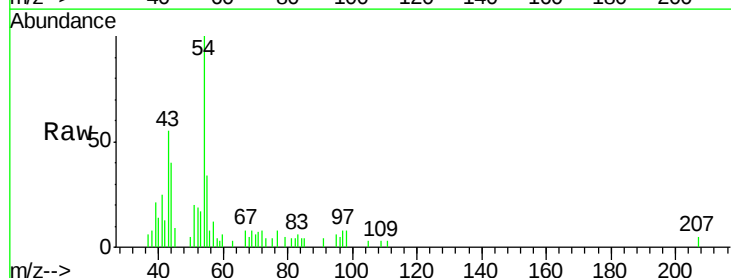
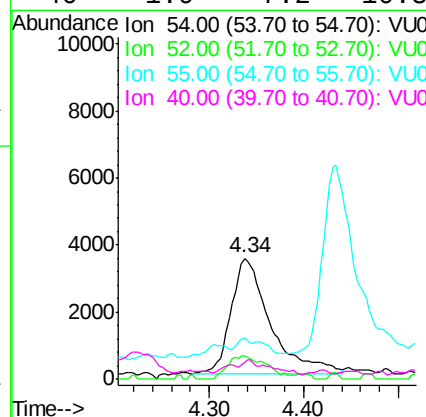
Manual Integrations
APPROVED

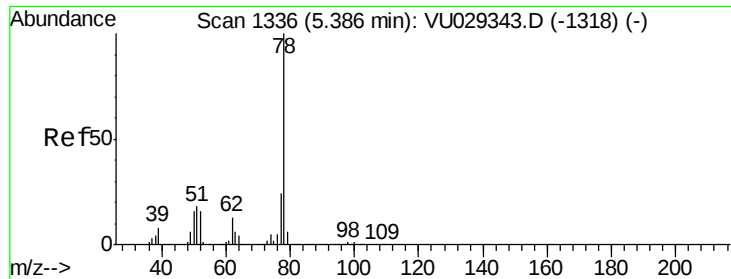
sam
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#34
Propionitrile
Concen: 10.804 ug/l
RT: 4.34 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.1	18.9	28.3
55	0.0	15.1	22.7#
40	1.9	7.2	10.8#





#35

Benzene

Concen: 2.043 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 78 Resp: 113226

Ion Ratio Lower Upper

78 100

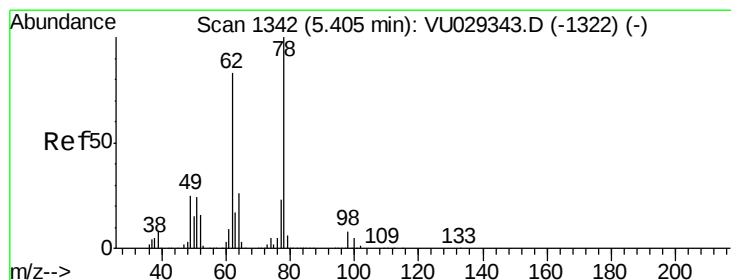
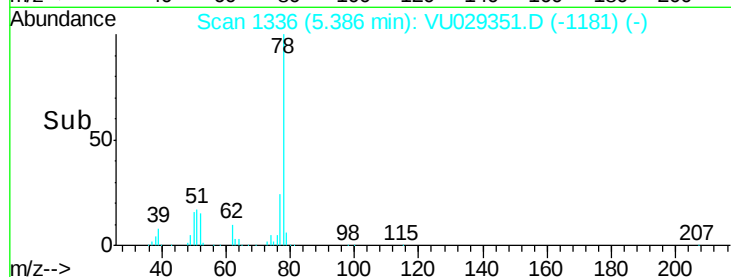
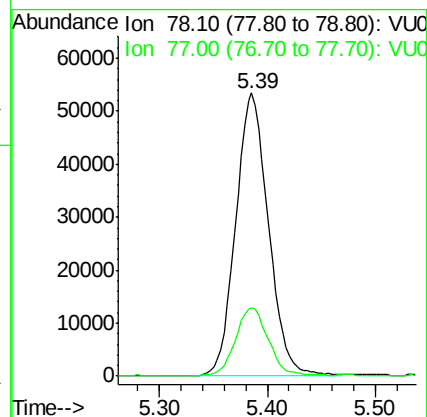
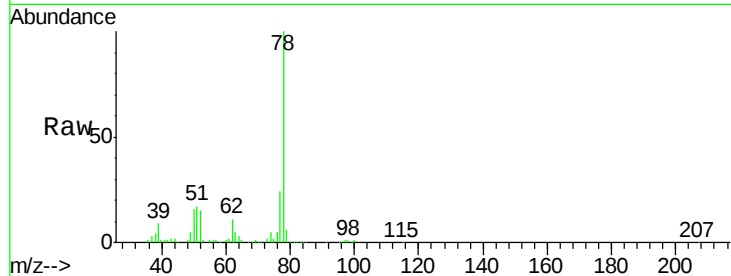
77 23.9 19.8 29.8

Manual Integrations

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sam

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#36

1,2-Dichloroethane

Concen: 2.047 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VU029351.D

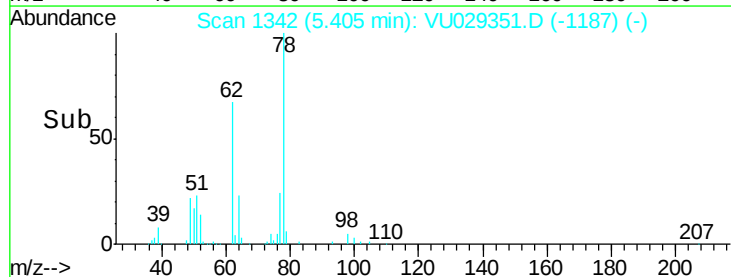
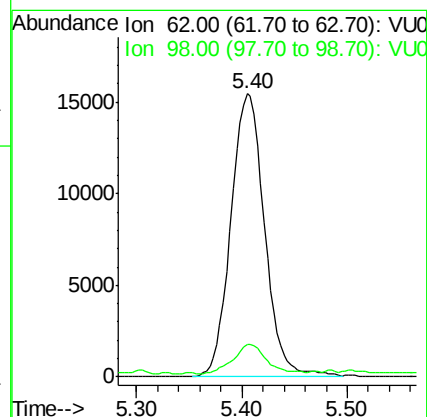
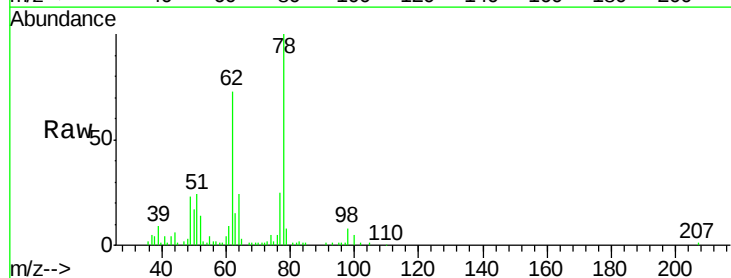
Acq: 05 Feb 2019 17:22

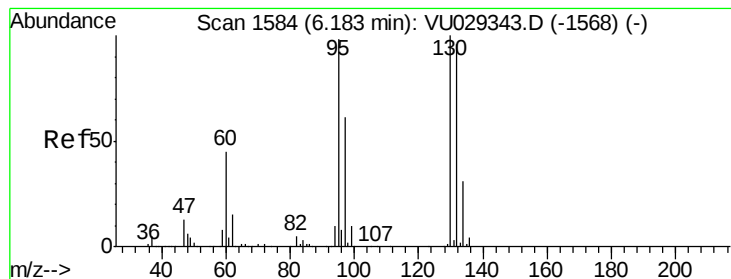
Tgt Ion: 62 Resp: 34318

Ion Ratio Lower Upper

62 100

98 10.2 4.9 7.3#





#37

Trichloroethene

Concen: 2.126 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:130 Resp: 33820

Ion Ratio Lower Upper

130 100

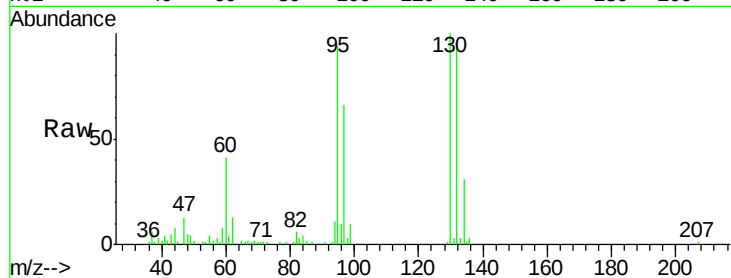
95 93.5 85.4 128.0

Manual Integrations

APPROVED

sam

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

Ion 94.90 (94.60 to 95.60): VU029351.D (-1429) (-)

6.18

15000

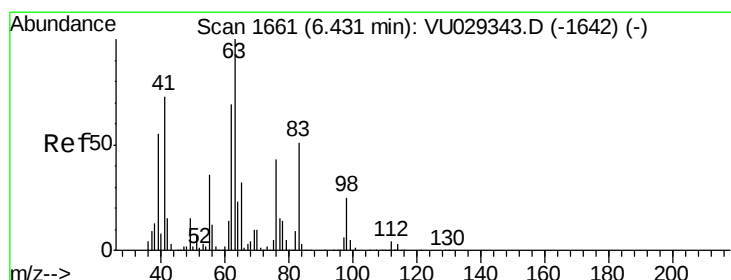
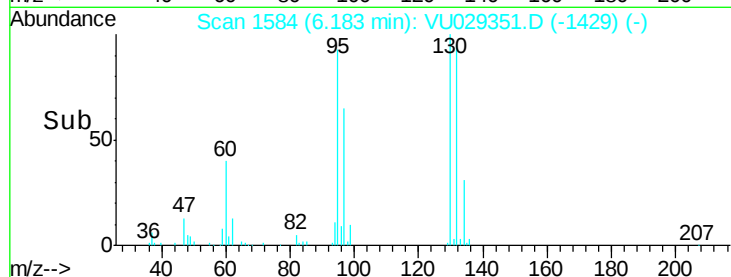
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 2.023 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029351.D

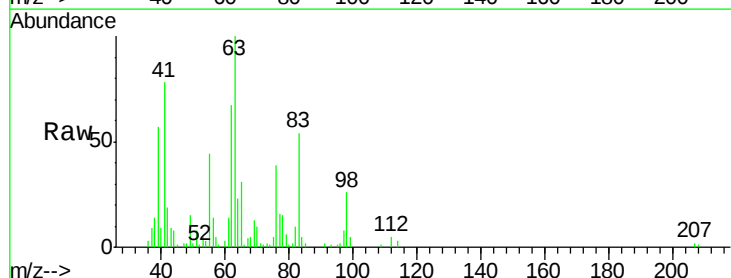
Acq: 05 Feb 2019 17:22

Tgt Ion: 63 Resp: 29167

Ion Ratio Lower Upper

63 100

65 30.7 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029351.D (-1506) (-)

6.43

15000

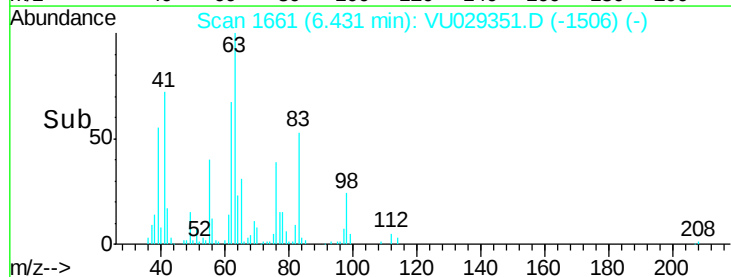
10000

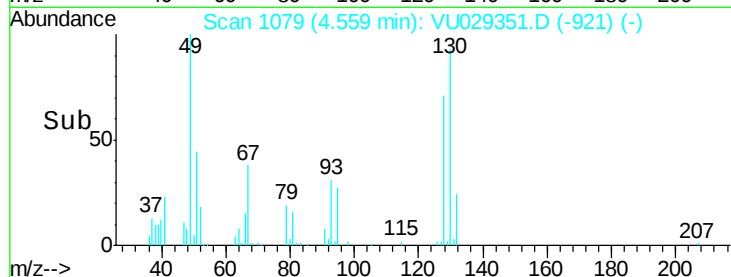
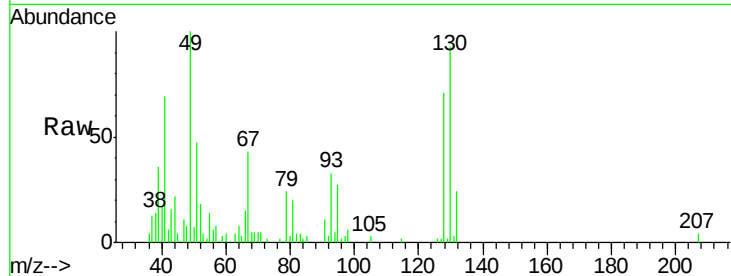
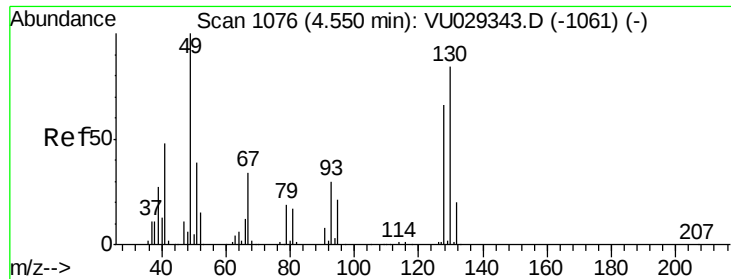
5000

0

6.35 6.40 6.45 6.50

Time-->





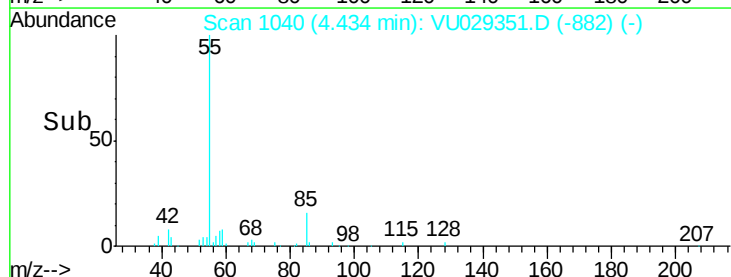
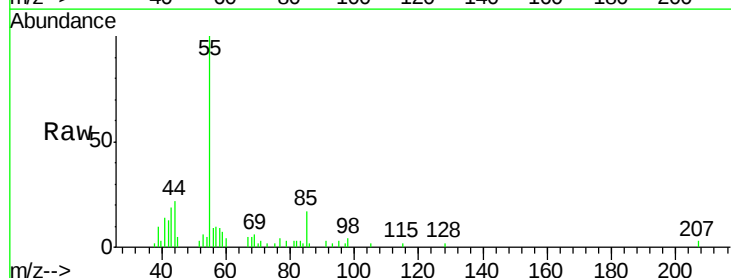
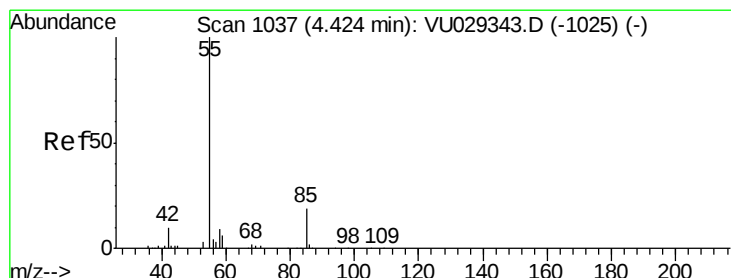
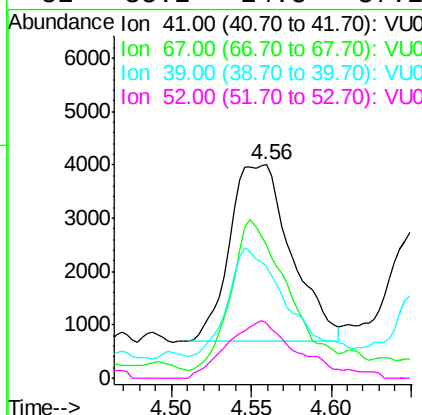
#39
Methacrylonitrile
Concen: 1.861 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tot Ion	Ratio	Lower	Upper
41	100		
67	78.3	50.1	75.1#
39	58.4	47.9	71.9
52	38.2	24.8	37.2#

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

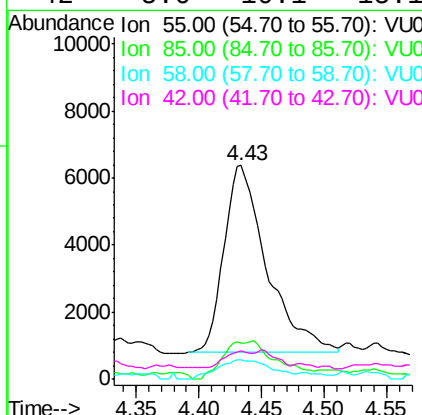
Manual Integrations
APPROVED

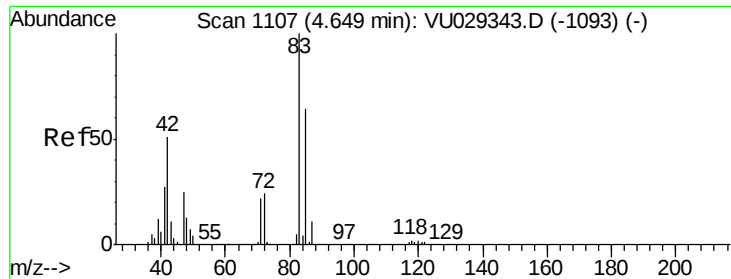
sam
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#40
Methyl acrylate
Concen: 1.864 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
55	100		
85	11.2	11.3	16.9#
58	12.8	6.2	9.4#
42	5.6	10.1	15.1#





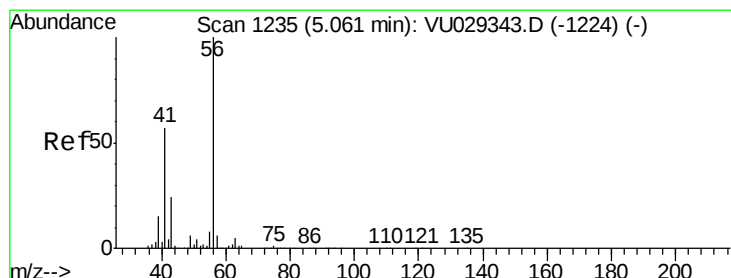
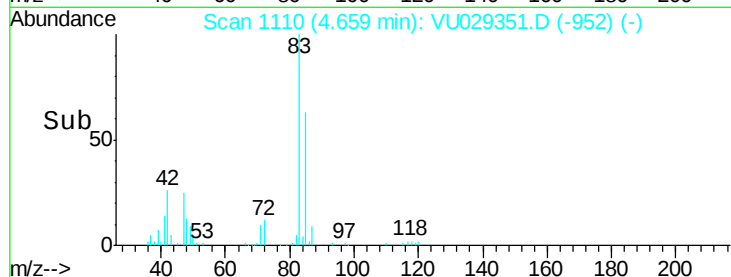
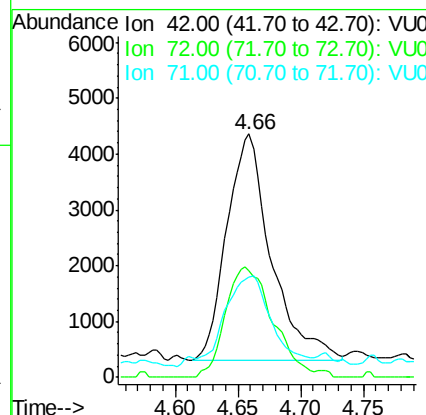
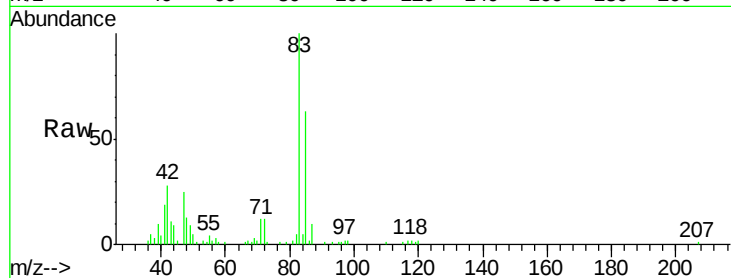
#41
Tetrahydrofuran
Concen: 4.218 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	33.1	49.7#
71	43.5	30.2	45.2

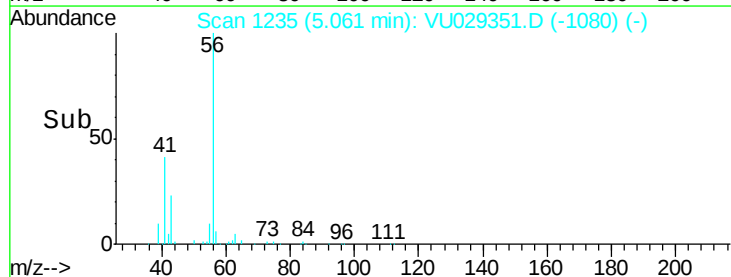
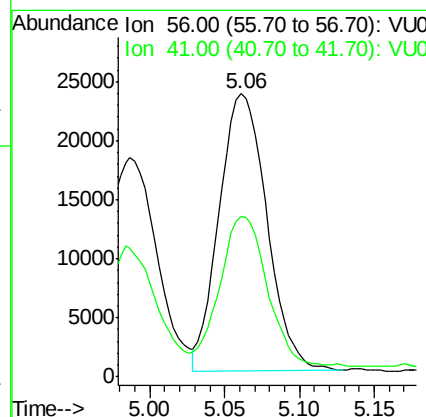
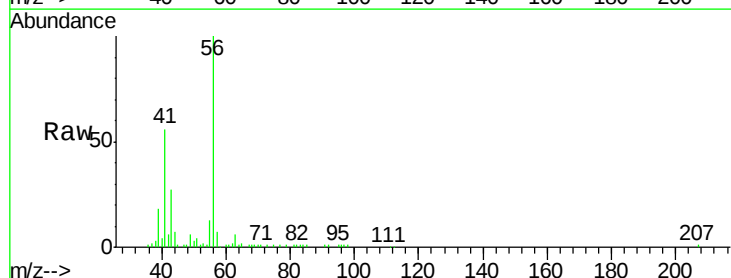
Manual Integrations
APPROVED

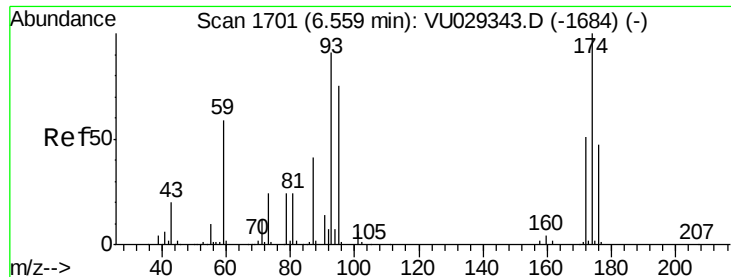
sam
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#42
1-Chlorobutane
Concen: 1.942 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
56	100		
41	53.9	31.3	93.8





#43

Dibromomethane

Concen: 2.060 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

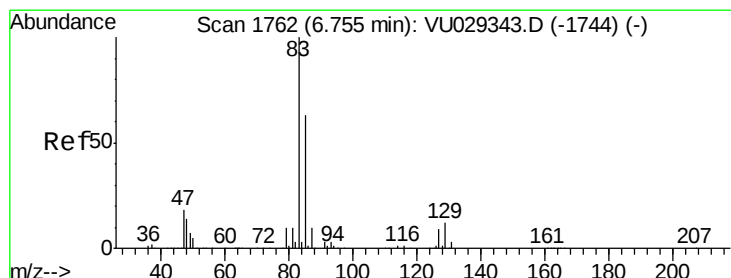
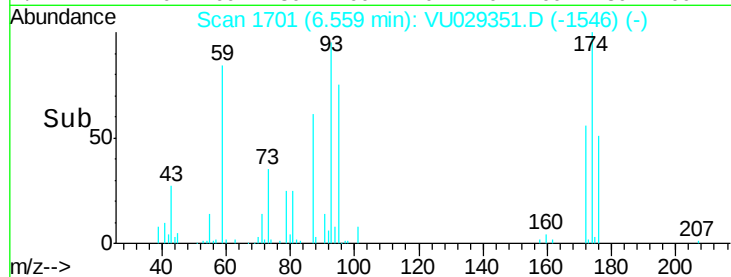
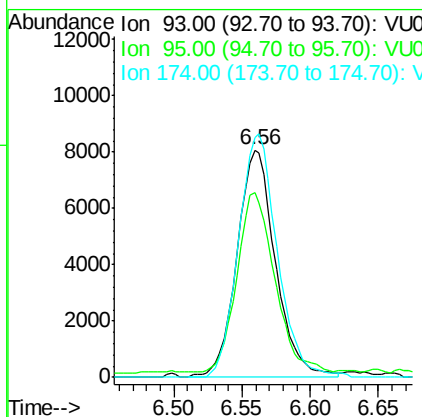
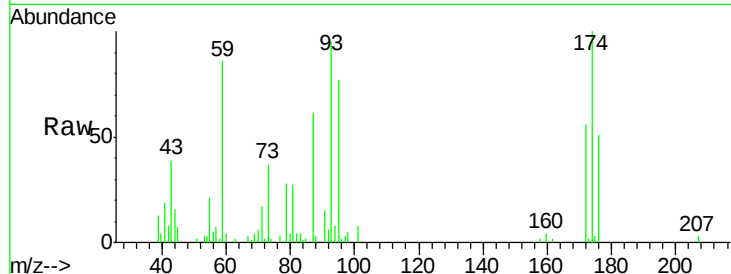
ClientSampleId :

VU0205WBS01

Tot Ion:	93	Resp:	15825
Ion	Ratio	Lower	Upper
93	100		
95	76.8	68.2	102.2
174	108.2	77.6	116.4

Manual Integrations
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sam
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#44

Bromodichloromethane

Concen: 2.047 ug/l

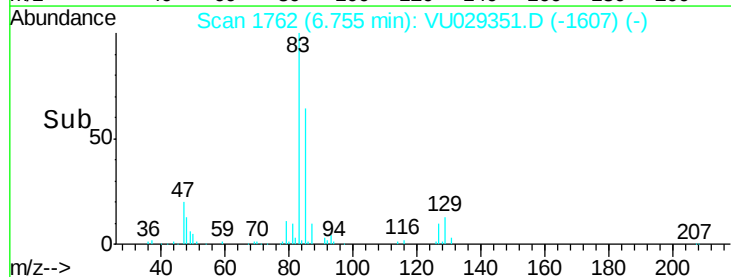
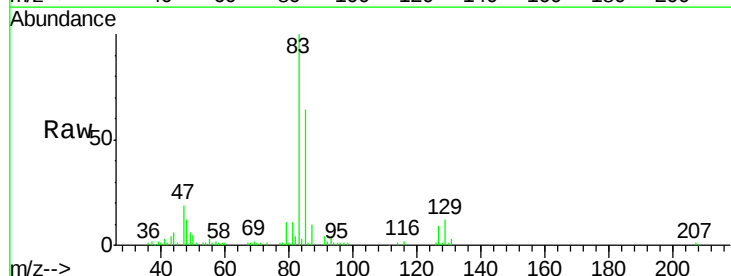
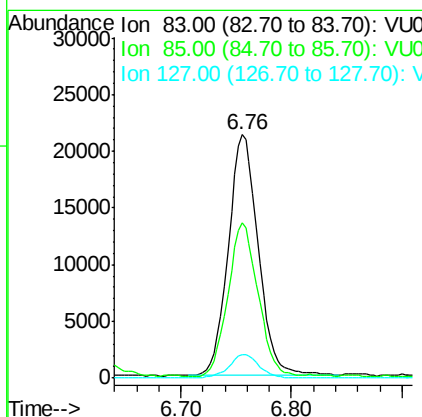
RT: 6.76 min Scan# 1762

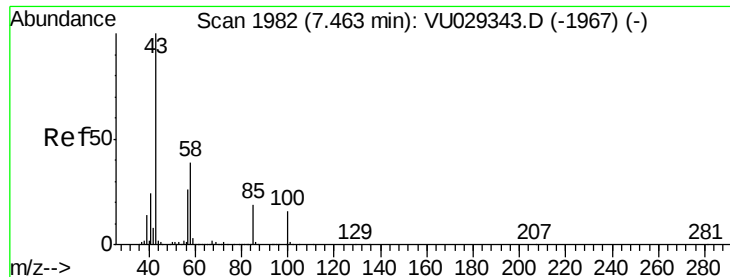
Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	83	Resp:	40082
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.2	73.8
127	9.5	7.0	10.6





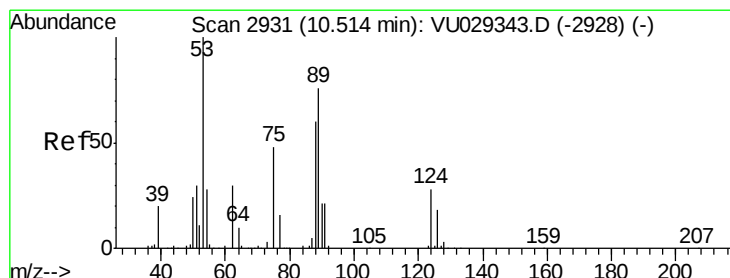
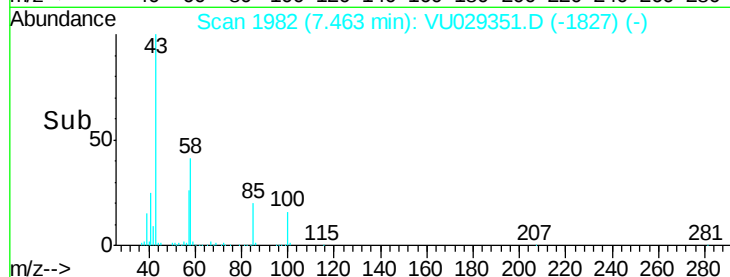
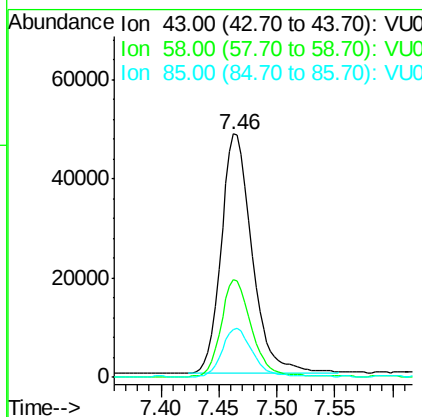
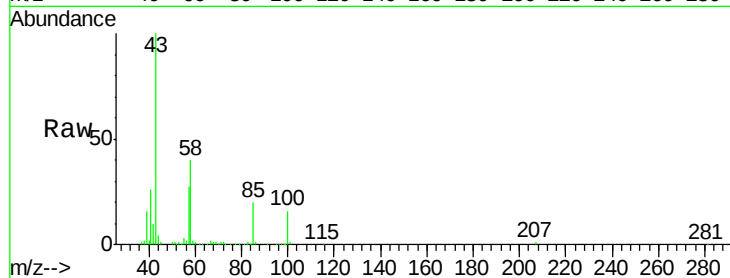
#45
4-Methyl-2-Pentanone
Concen: 10.010 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	17.6	52.8
85	19.5	12.3	18.5

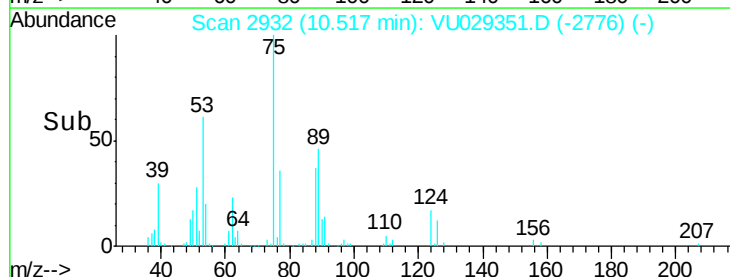
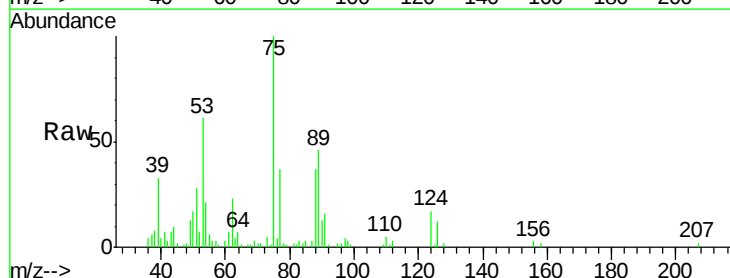
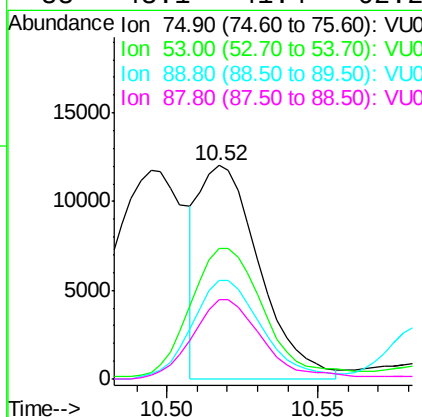
Manual Integrations
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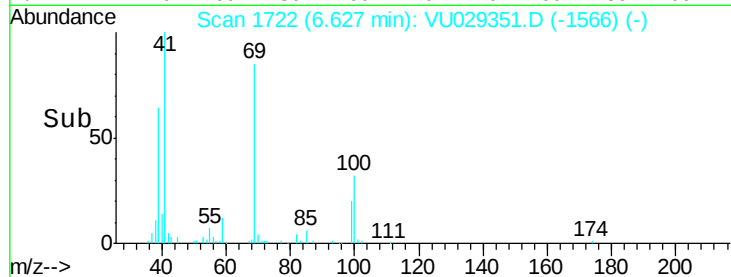
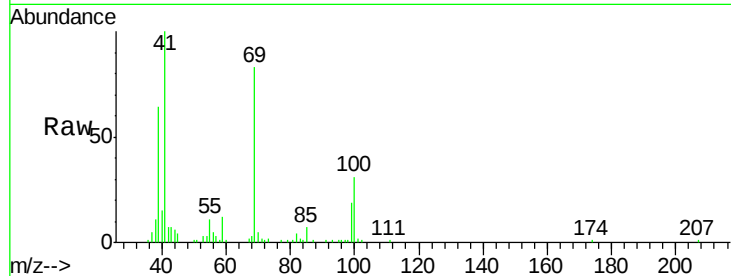
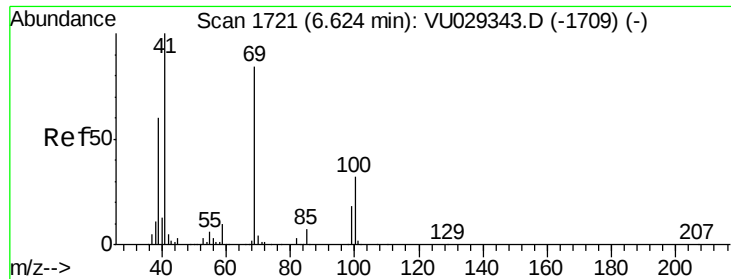
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 3.830 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	76.7	78.2	117.4
89	54.0	44.2	66.4
88	43.1	41.4	62.2





#47

Methyl methacrylate

Concen: 4.149 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.00 min

Lab File: VU029351.D

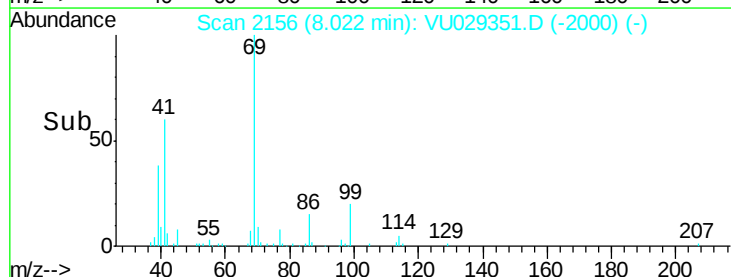
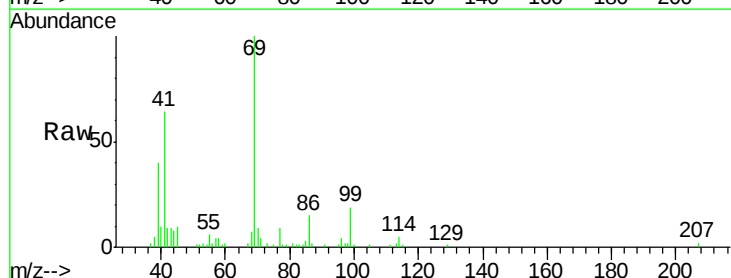
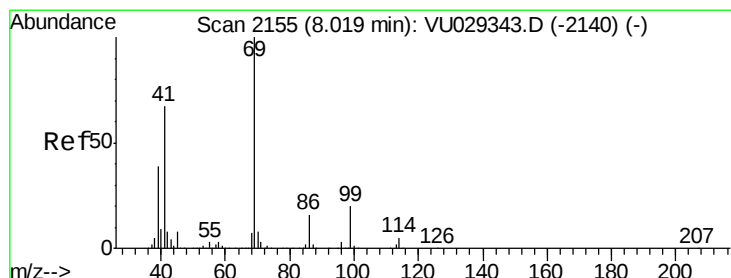
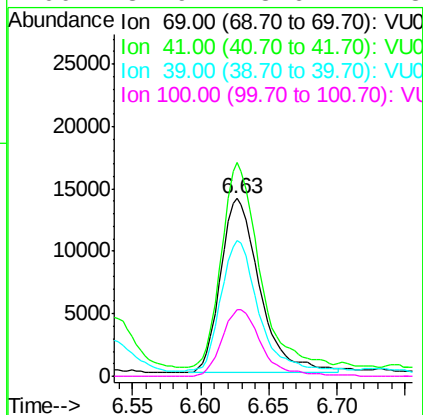
Acq: 05 Feb 2019 17:22

Tot Ion	Ratio	Lower	Upper
69	100		
41	113.0	0.0	296.2
39	70.9	71.2	106.8
100	37.9	28.6	42.8

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Manual Integrations
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#48

Ethyl methacrylate

Concen: 2.068 ug/l

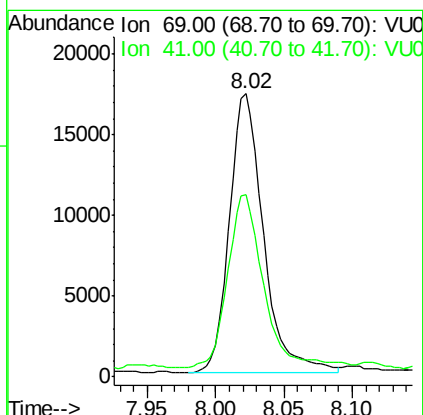
RT: 8.02 min Scan# 2156

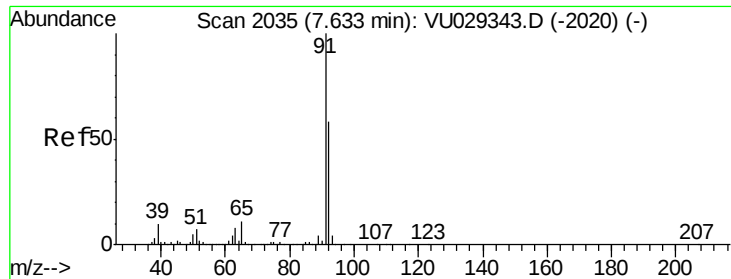
Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	39.9	119.7





#49

Toluene

Concen: 2.024 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion: 92 Resp: 71791

Ion Ratio Lower Upper

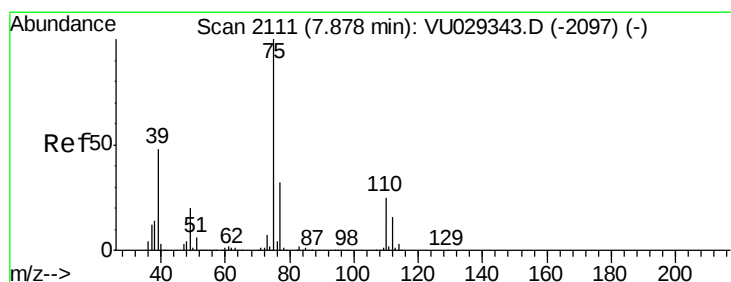
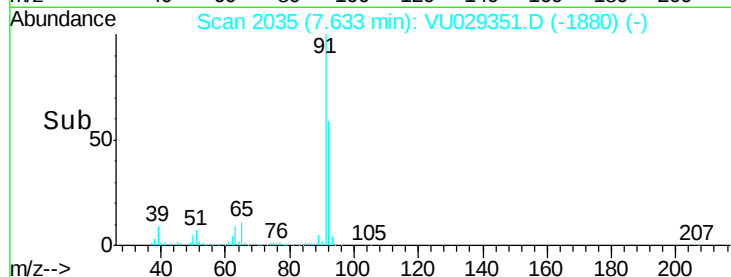
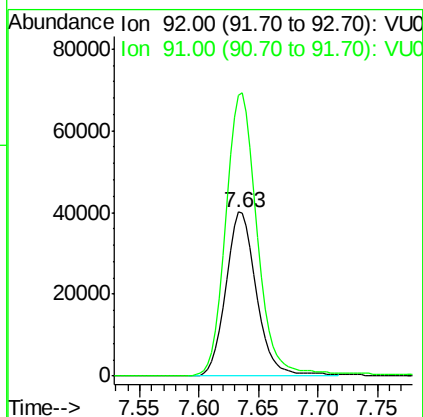
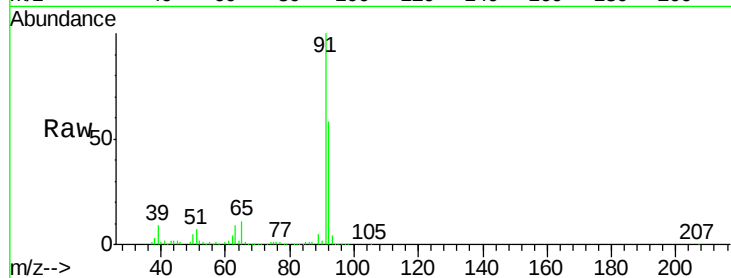
92 100

91 176.9 140.7 211.1

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 1.986 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029351.D

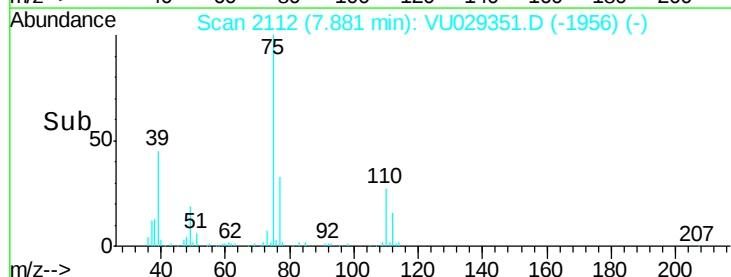
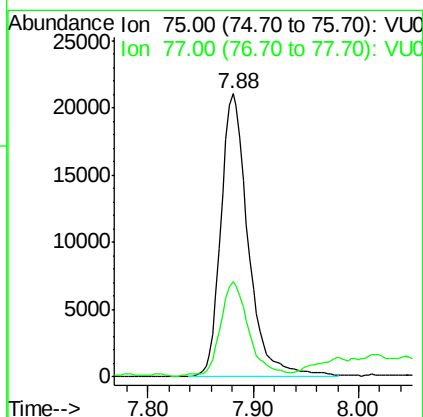
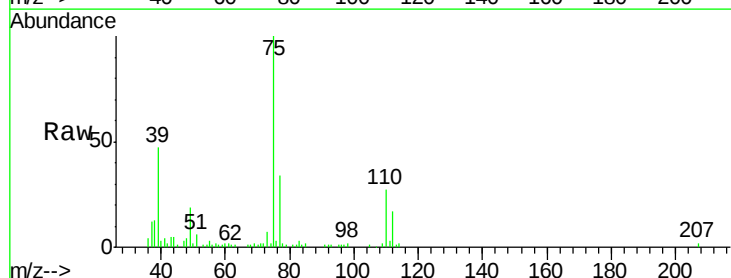
Acq: 05 Feb 2019 17:22

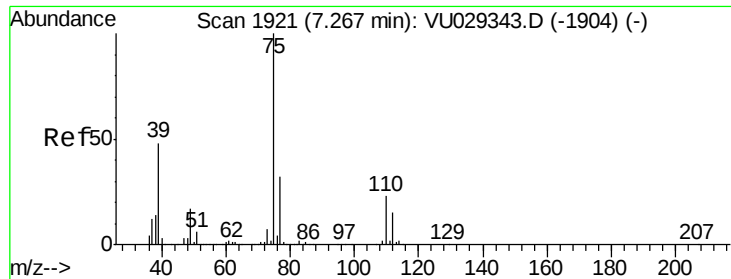
Tgt Ion: 75 Resp: 38118

Ion Ratio Lower Upper

75 100

77 32.6 23.6 35.4





#51

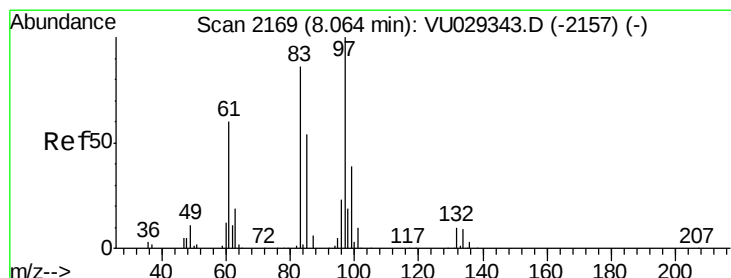
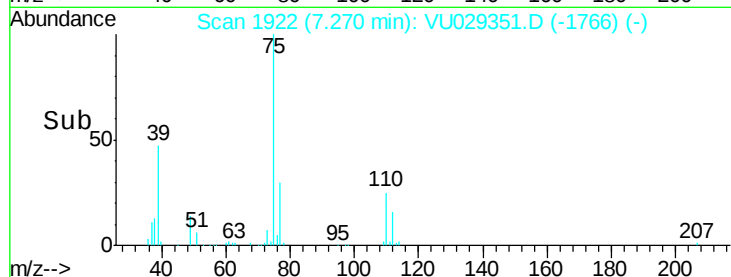
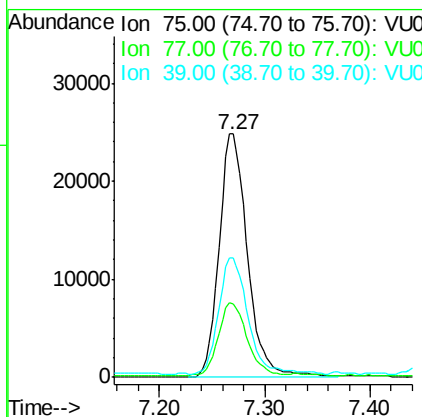
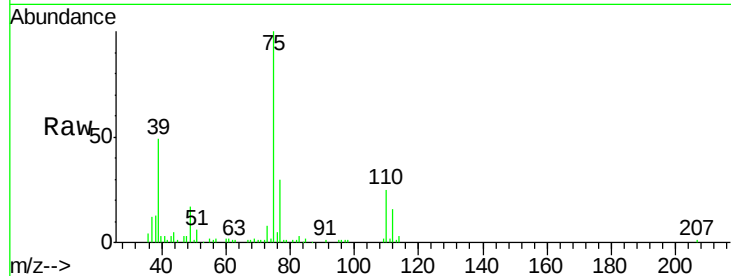
cis-1,3-Dichloropropene
Concen: 2.035 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.5	24.9	37.3
39	47.7	47.2	70.8

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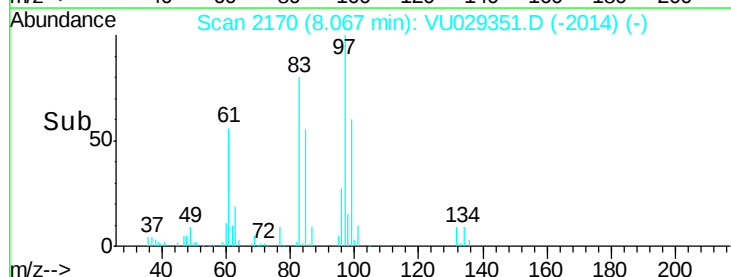
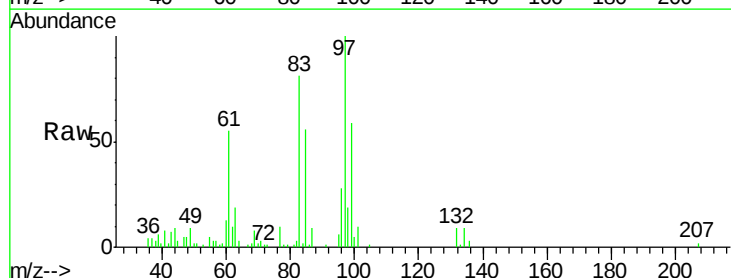
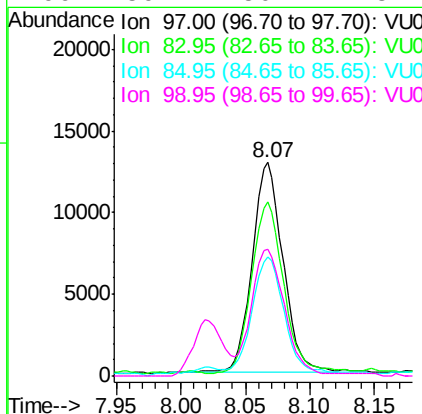
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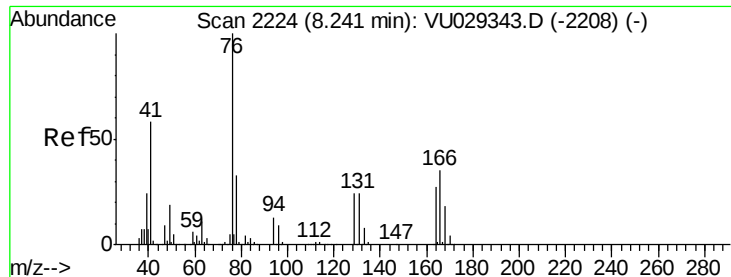


#52

1,1,2-Trichloroethane
Concen: 2.122 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.3	69.9	104.9
85	54.9	45.8	68.6
99	59.1	50.2	75.2





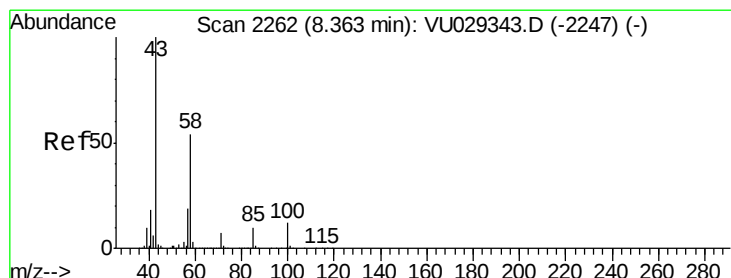
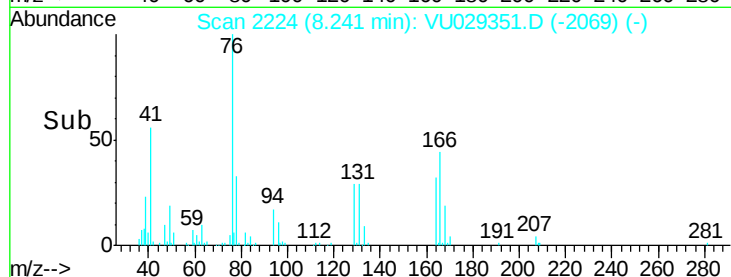
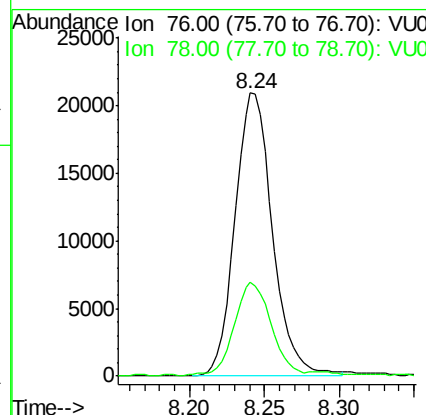
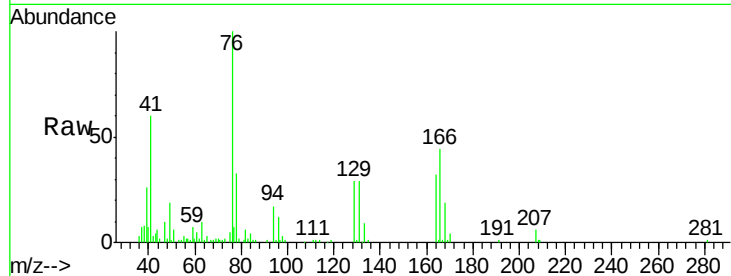
#53
 1,3-Dichloropropane
 Concen: 2.044 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion: 76 Resp: 36528
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.3 39.5

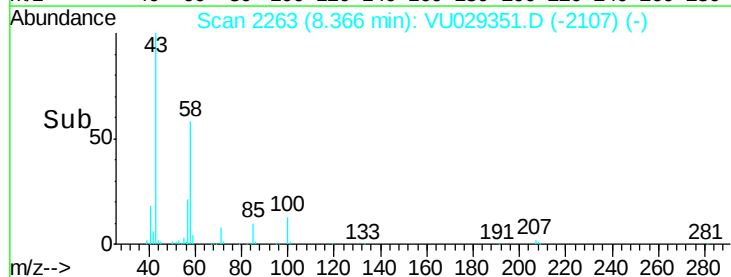
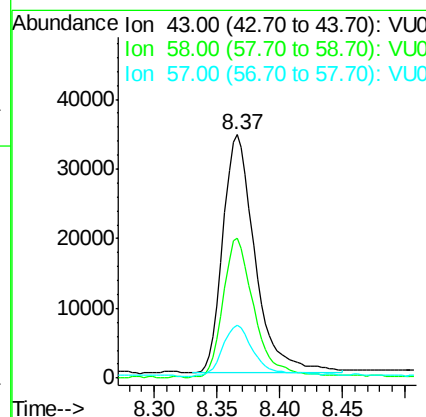
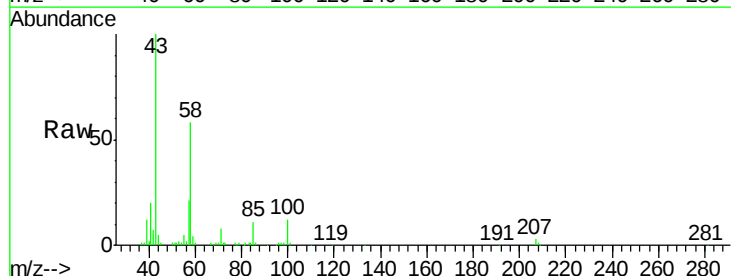
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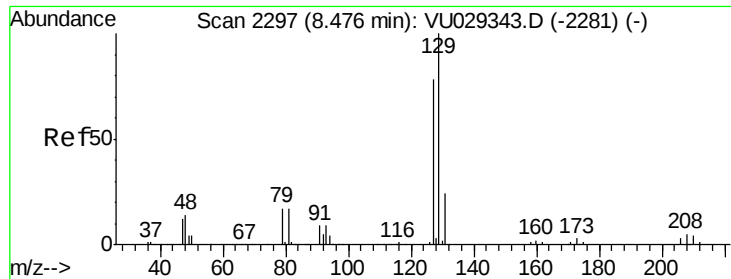
sam
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#54
 2-Hexanone
 Concen: 9.609 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion: 43 Resp: 60665
 Ion Ratio Lower Upper
 43 100
 58 57.7 26.0 66.0
 57 21.1 0.0 37.7





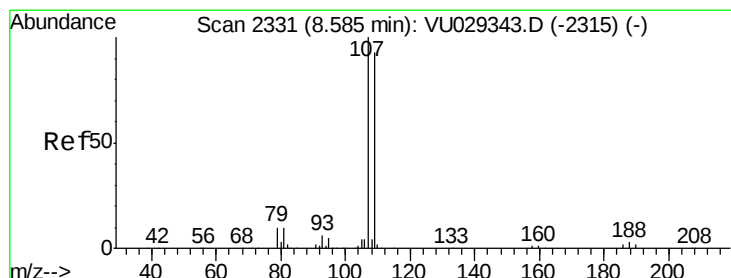
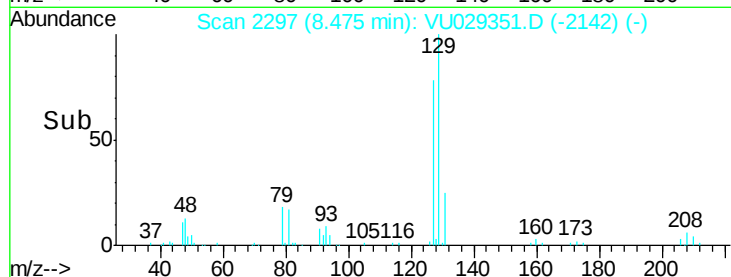
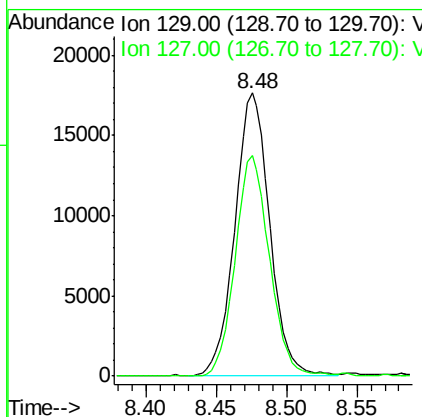
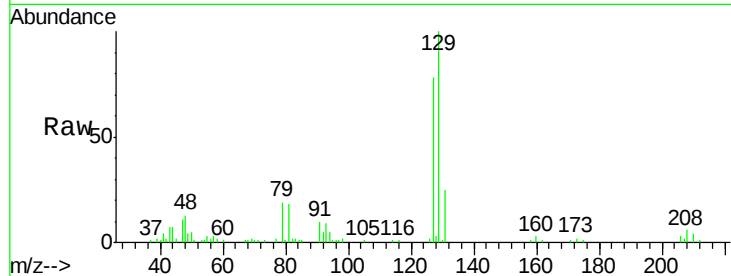
#55
 Dibromochloromethane
 Concen: 2.122 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.3	60.5	90.7

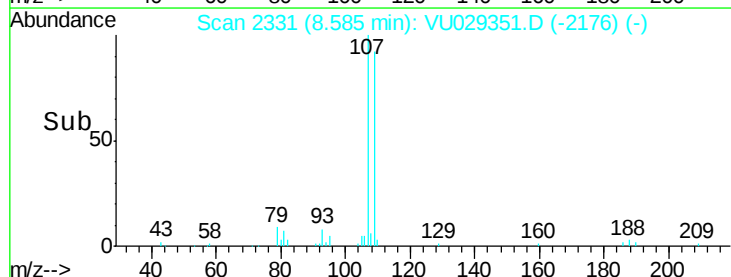
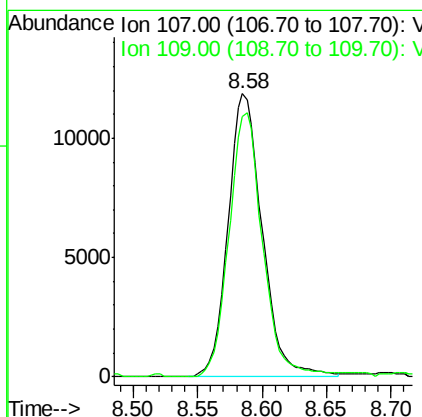
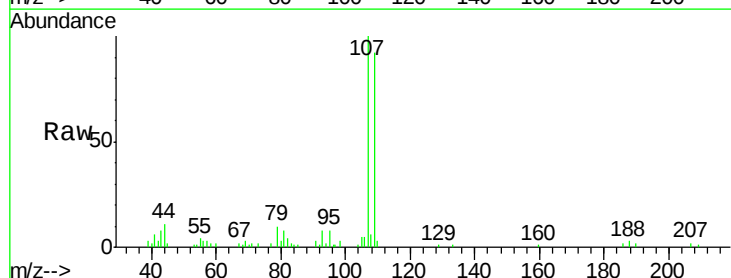
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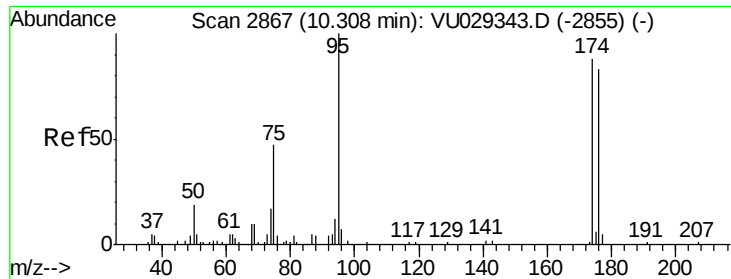
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#56
 1,2-Dibromoethane
 Concen: 2.092 ug/l
 RT: 8.58 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.7	0.0	189.6





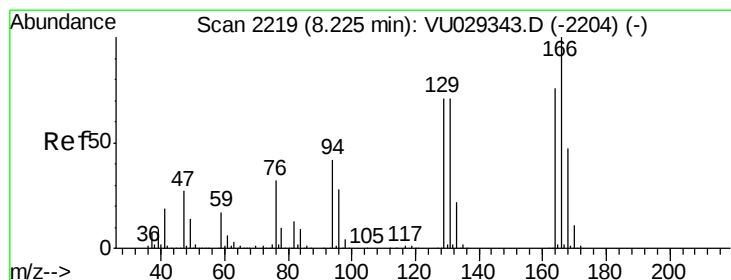
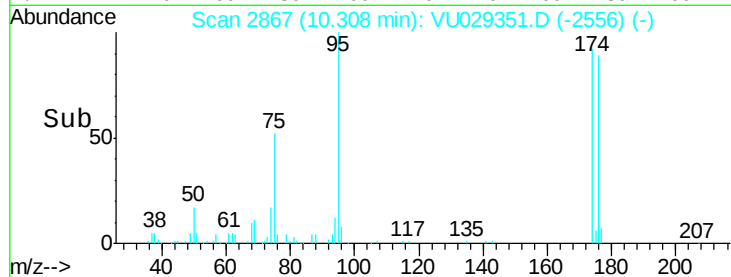
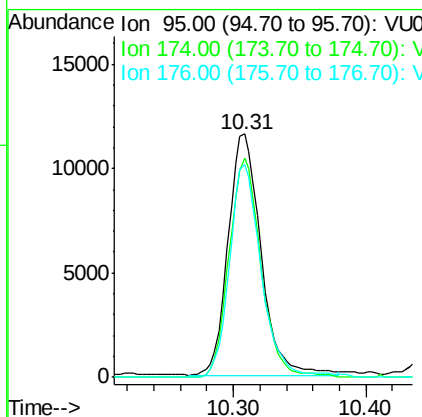
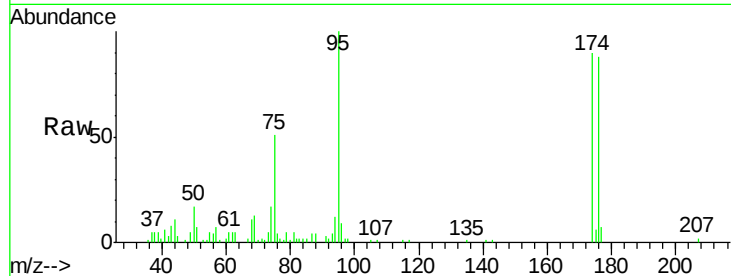
#57
4-Bromofluorobenzene
Concen: 2.092 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	64.2	96.2
176	84.5	62.3	93.5

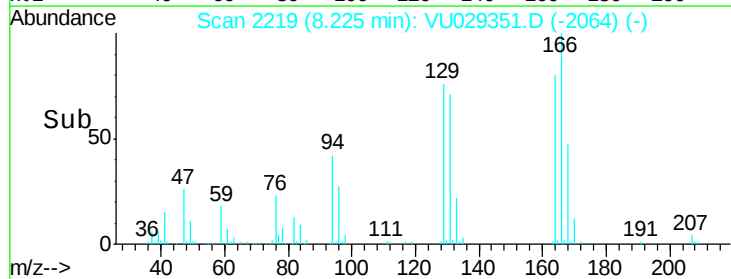
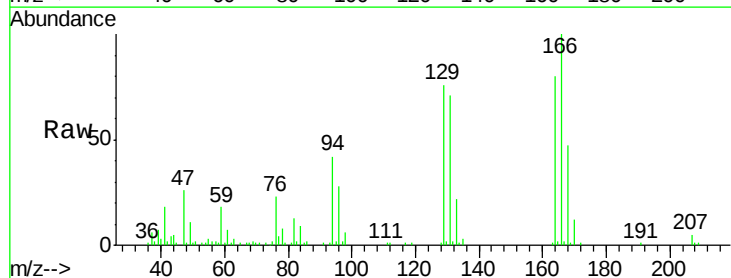
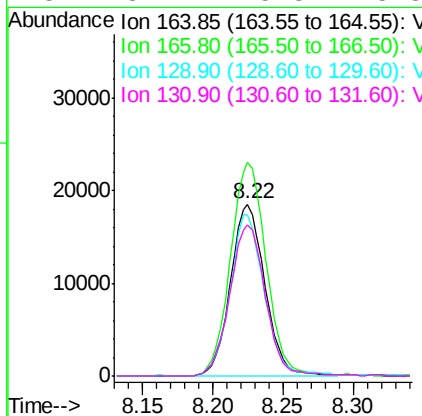
Manual Integrations
APPROVED

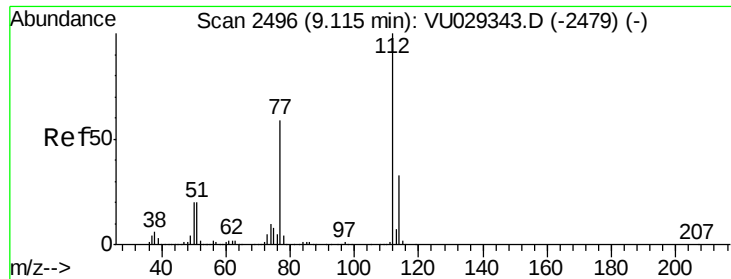
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#58
Tetrachloroethene
Concen: 2.137 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	106.6	159.8
129	93.9	79.9	119.9
131	87.7	75.8	113.8





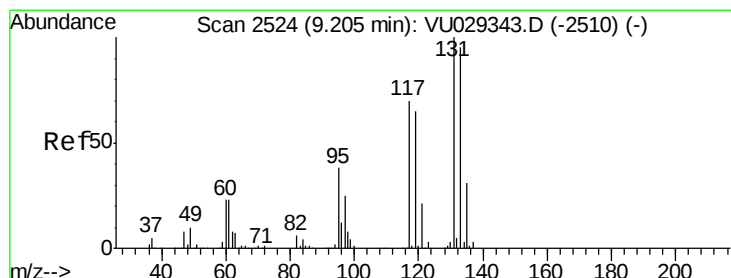
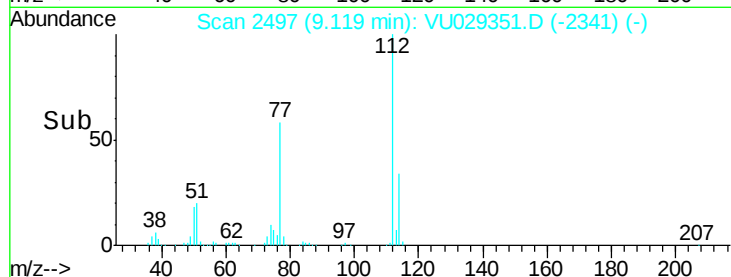
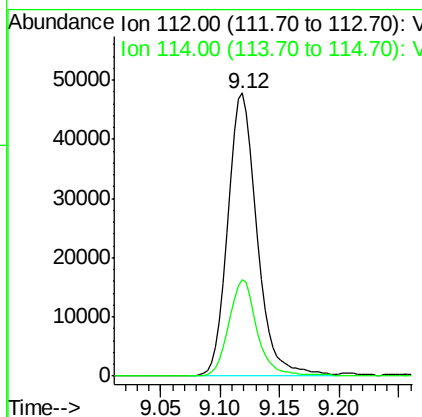
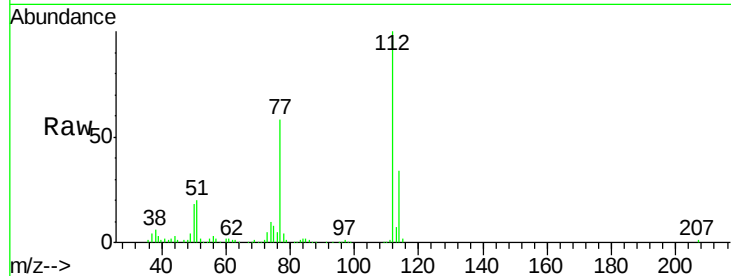
#59
Chlorobenzene
Concen: 2.046 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.3	26.2	39.4

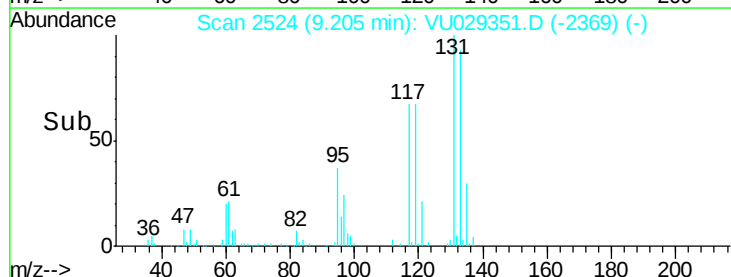
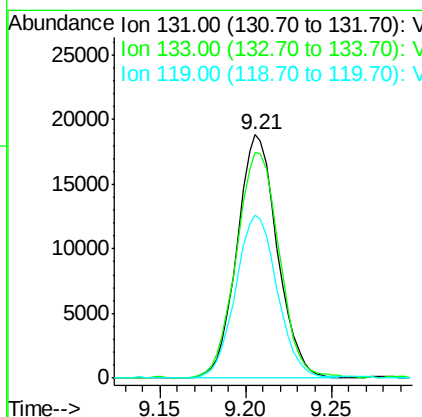
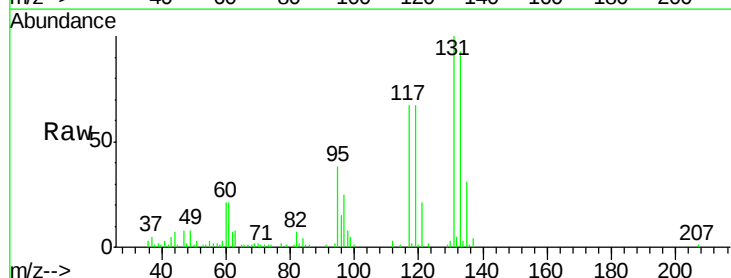
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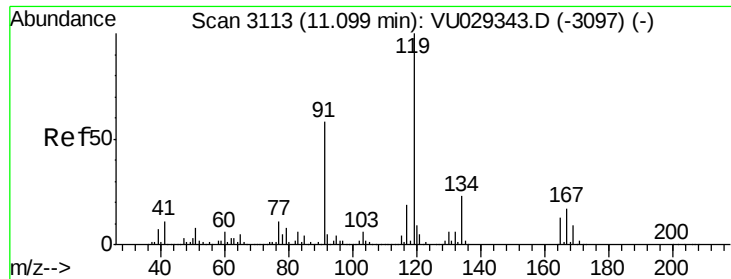
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.073 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.0	77.3	115.9
119	69.5	48.9	73.3





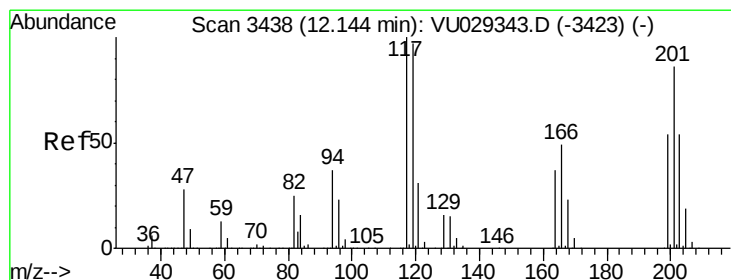
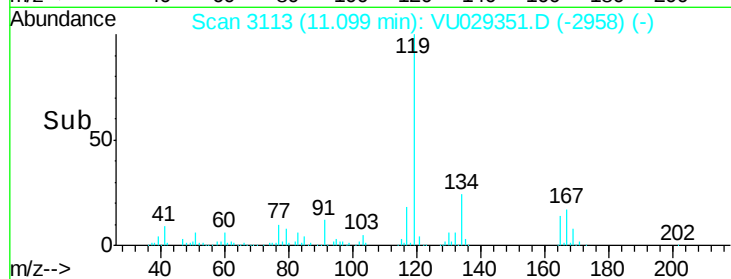
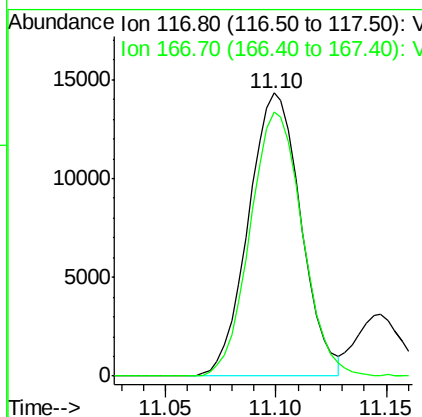
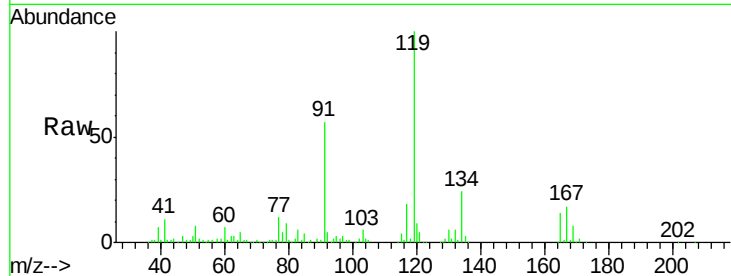
#61
 Pentachloroethane
 Concen: 2.066 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
167	92.6	65.9	98.9

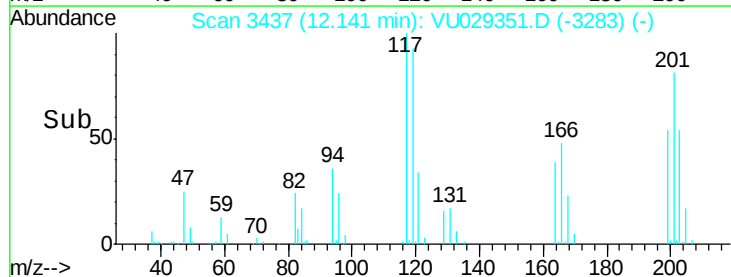
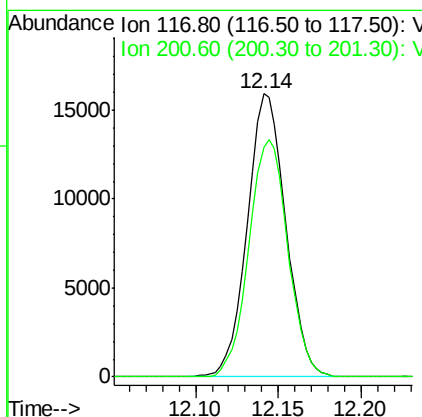
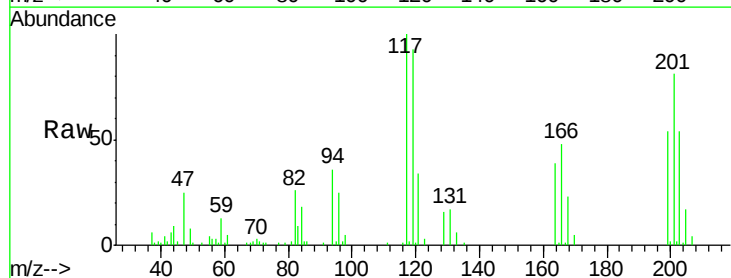
Manual Integrations
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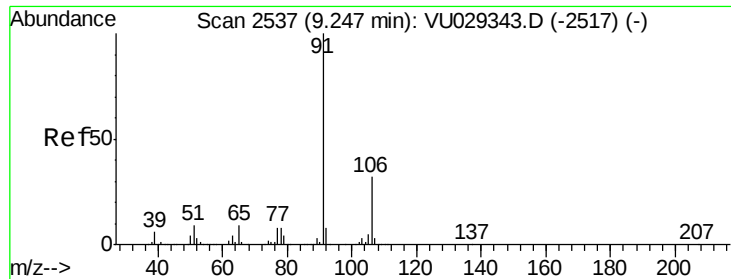
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#62
 Hexachloroethane
 Concen: 2.051 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	68.2	102.2





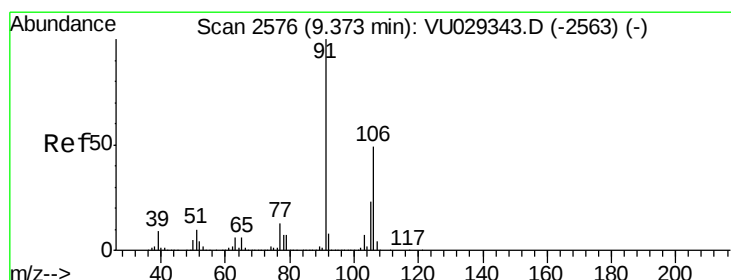
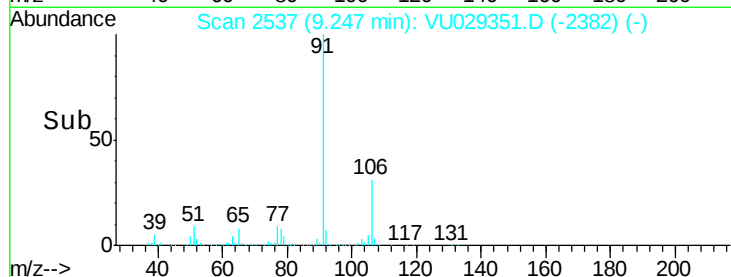
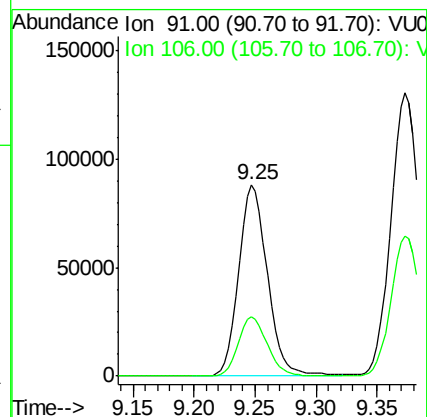
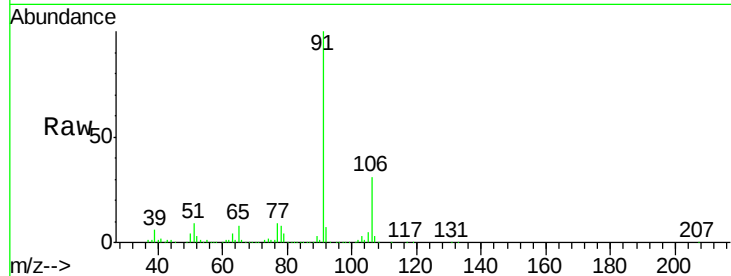
#63
Ethyl Benzene
Concen: 2.085 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampled :
VU0205WBS01

Tot Ion: 91 Resp: 144667
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.6

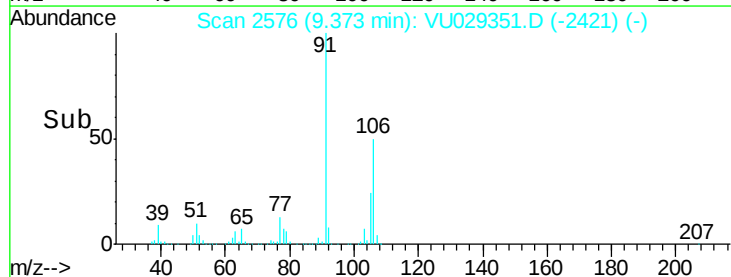
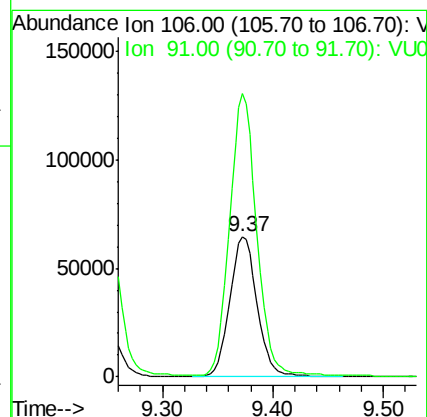
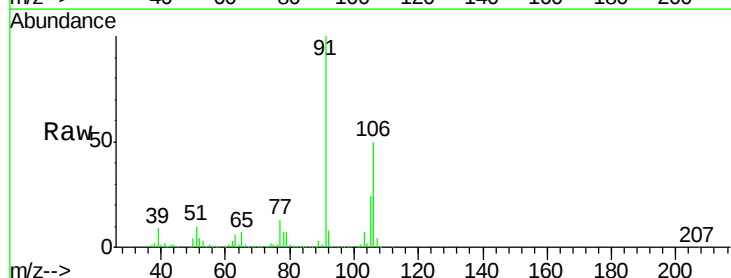
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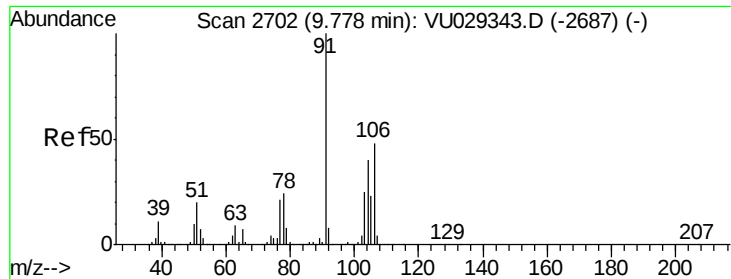
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#64
m/p-Xylenes
Concen: 4.094 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion: 106 Resp: 110378
Ion Ratio Lower Upper
106 100
91 201.0 174.6 261.8





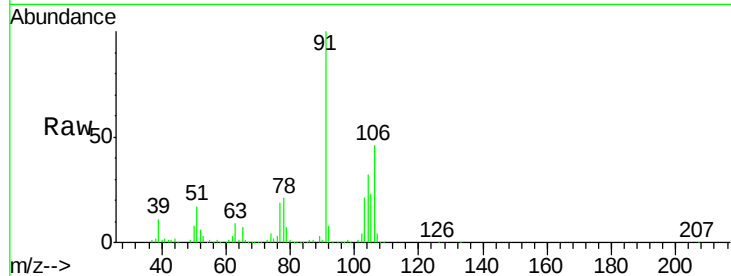
#65
o-Xylene
Concen: 2.028 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

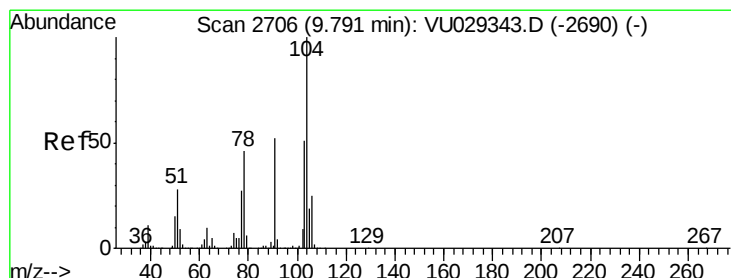
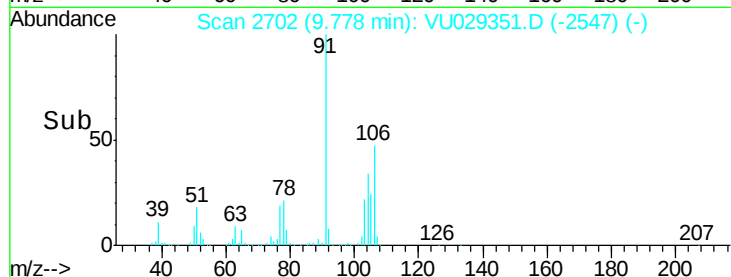
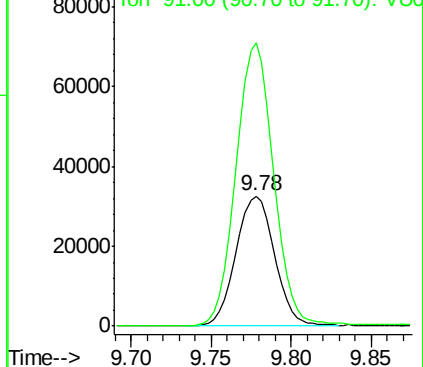
Tot Ion	Ratio	Lower	Upper
106	100		
91	210.0	114.5	343.4

Manual Integrations
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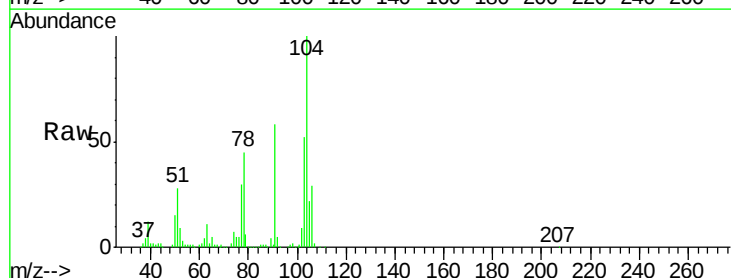


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

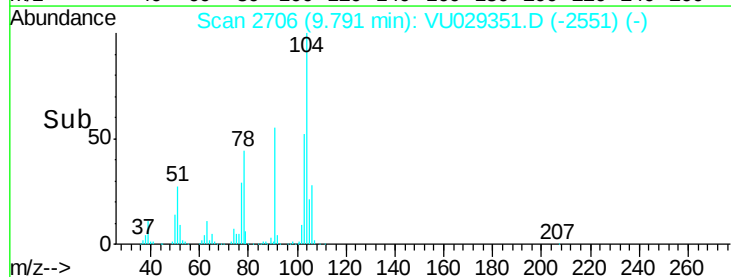
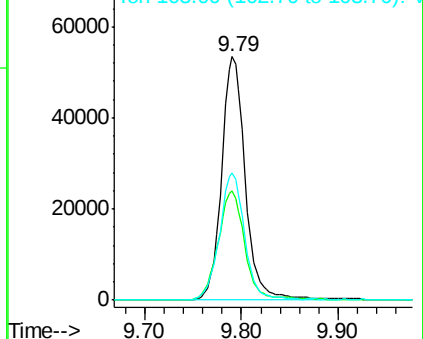


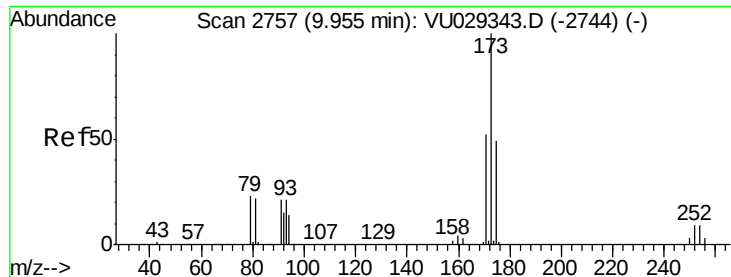
#66
Styrene
Concen: 2.058 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	46.5	69.7
103	55.3	44.7	67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 2.076 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

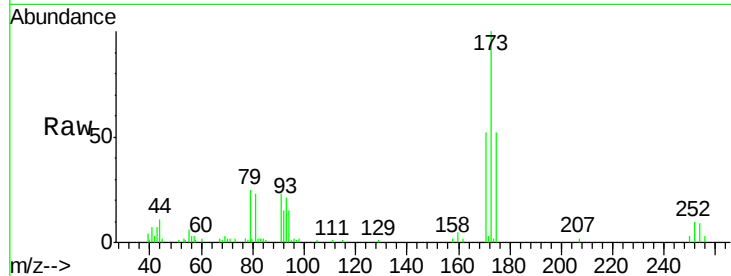
ClientSampleId :

VU0205WBS01

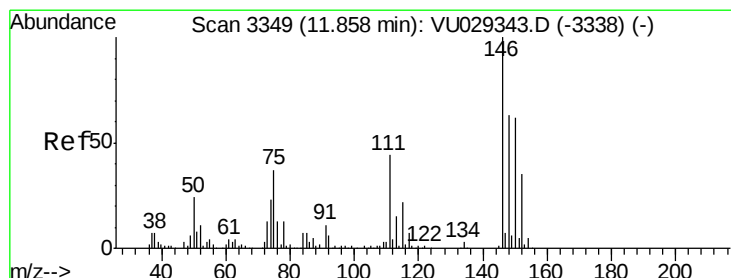
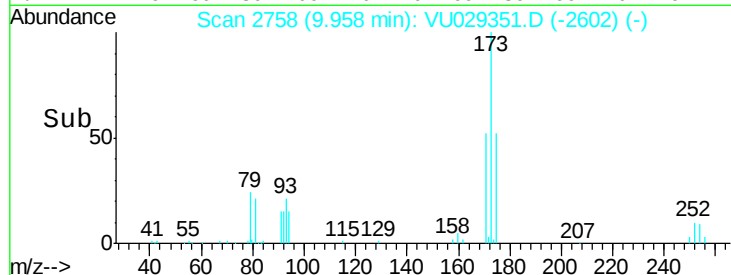
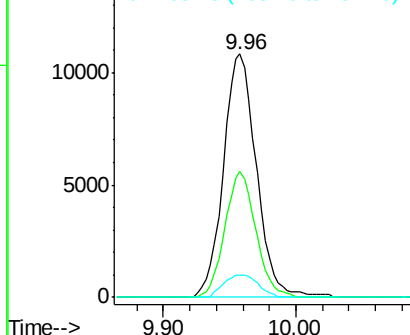
Tot Ion:173	Resp:	18675
Ion Ratio	Lower	Upper
173 100		
175 48.3	38.9	58.3
254 9.6	7.4	11.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 2.076 ug/l

RT: 11.86 min Scan# 3349

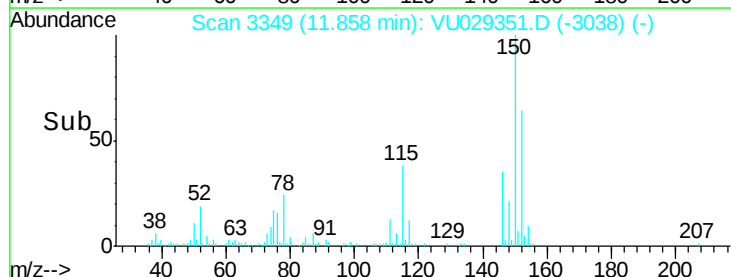
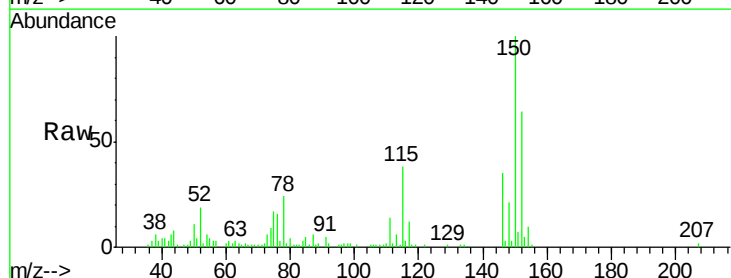
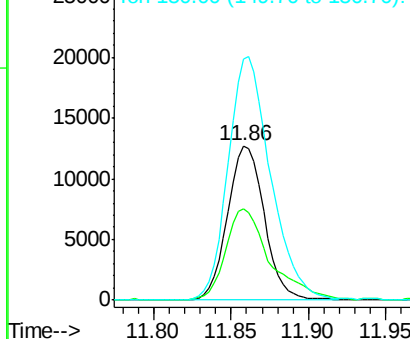
Delta R.T. -0.00 min

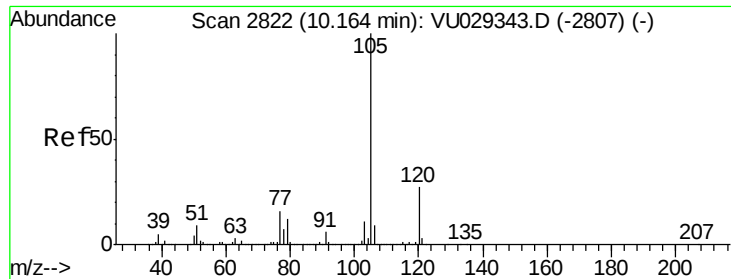
Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:152	Resp:	20953
Ion Ratio	Lower	Upper
152 100		
115 71.6	0.0	133.4
150 182.6	0.0	670.8

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 2.067 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:105 Resp: 146134

Ion Ratio Lower Upper

105 100

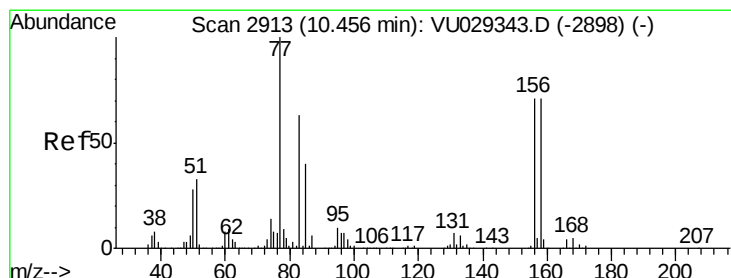
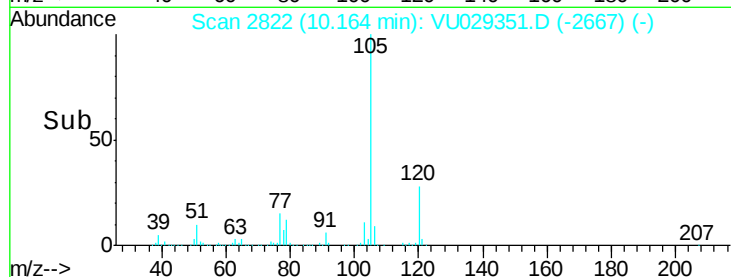
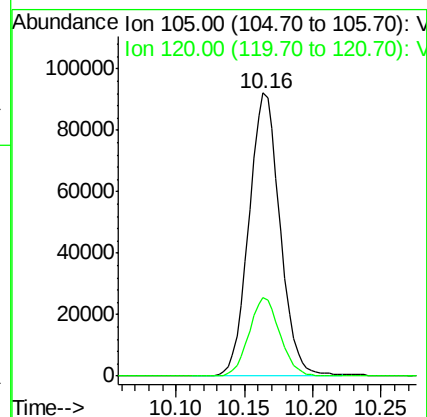
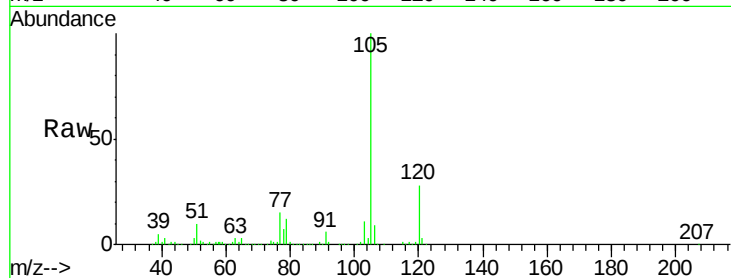
120 27.5 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.048 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

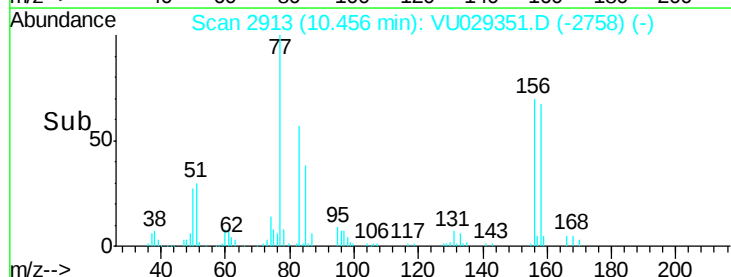
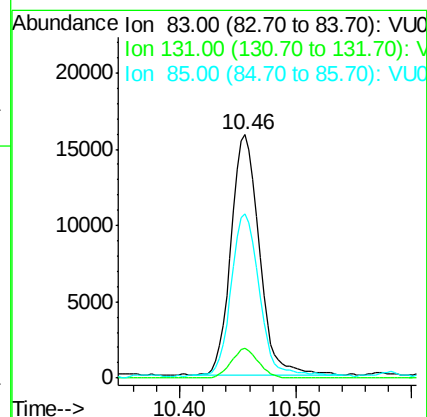
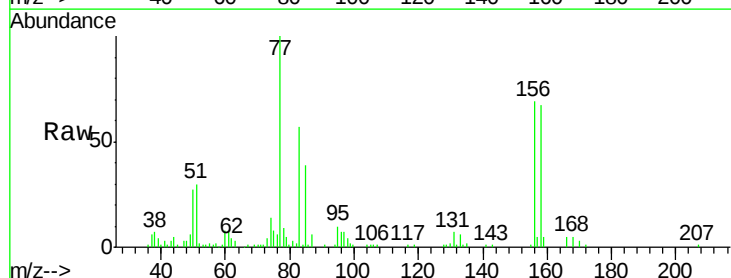
Tgt Ion: 83 Resp: 26697

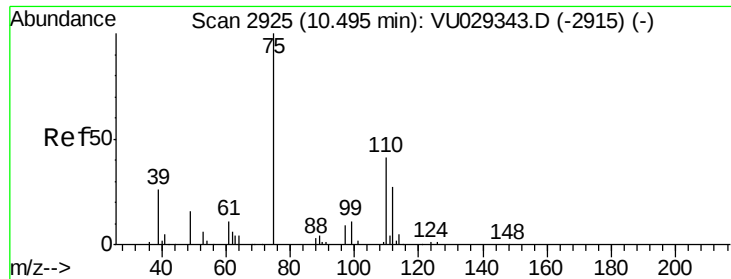
Ion Ratio Lower Upper

83 100

131 11.7 8.1 12.1

85 66.6 50.3 75.5





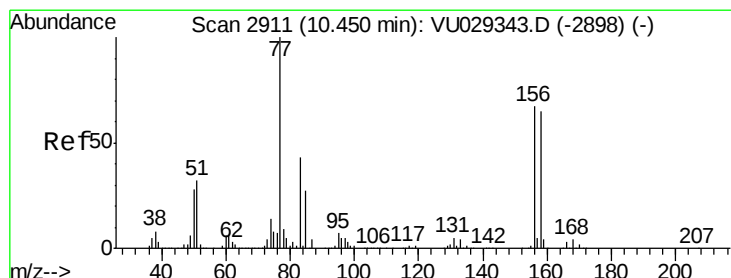
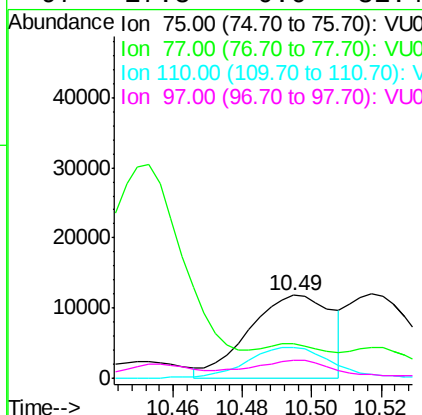
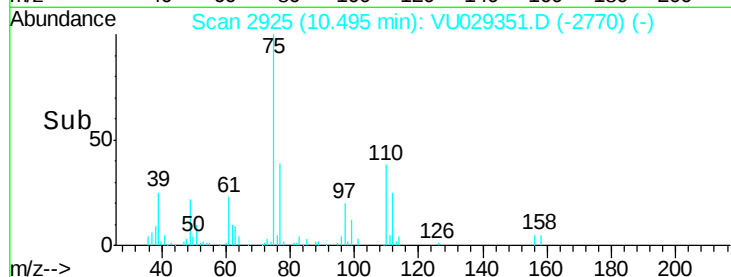
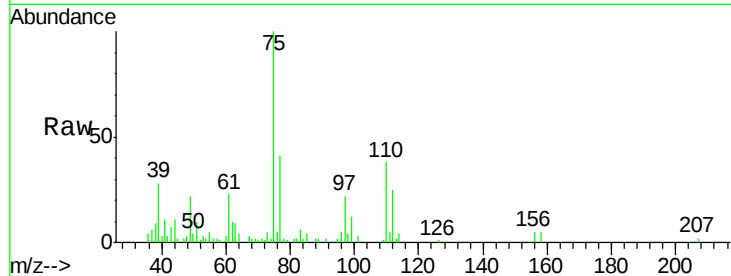
#71
 1,2,3-Trichloropropane
 Concen: 2.217 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	19845		
77	77	0.0	0.0	0.0	0.0
110	110	38.8	0.0	0.0	63.6
97	97	17.8	0.0	0.0	31.4

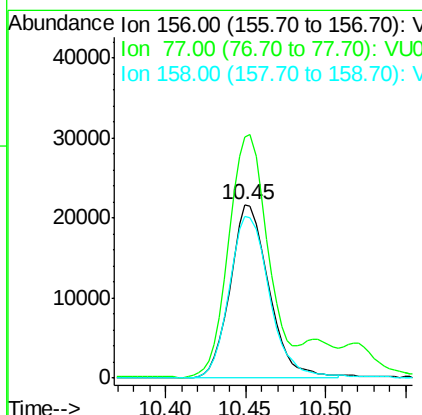
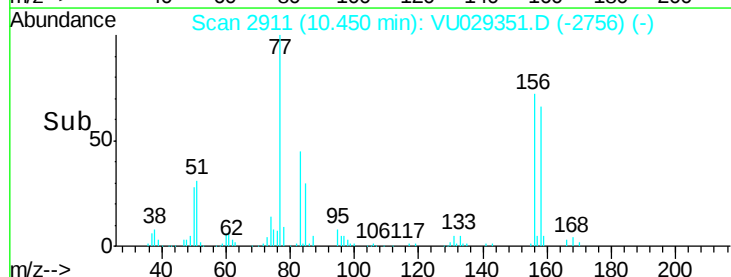
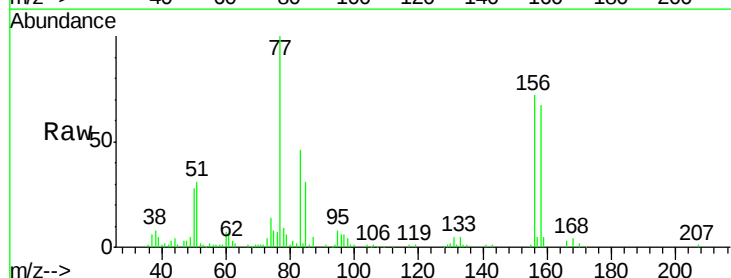
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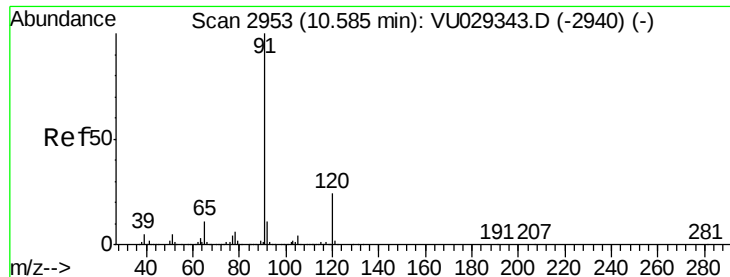
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#72
 Bromobenzene
 Concen: 2.089 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	35800		
77	77	143.1	0.0	0.0	343.8
158	158	98.3	0.0	0.0	195.0





#73

n-propylbenzene

Concen: 2.070 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:120 Resp: 40772

Ion Ratio Lower Upper

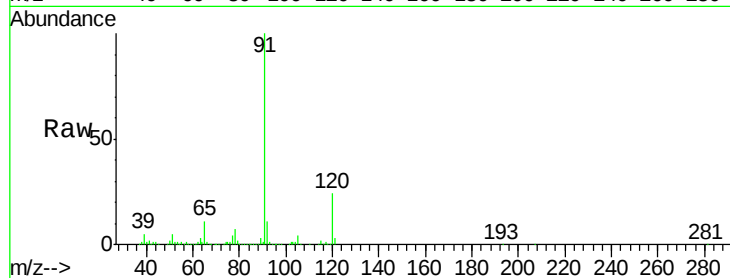
120 100

91 405.8 370.0 555.0

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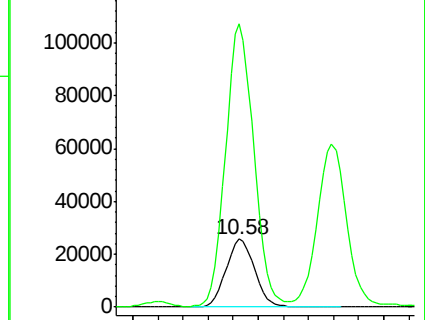
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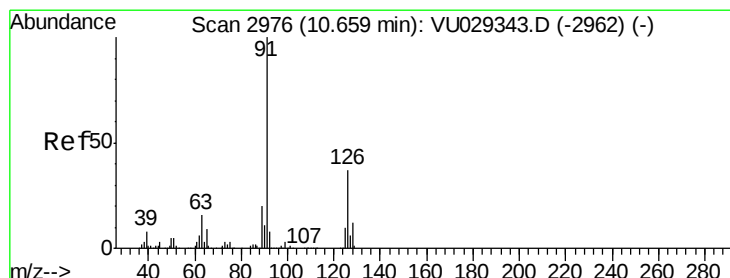
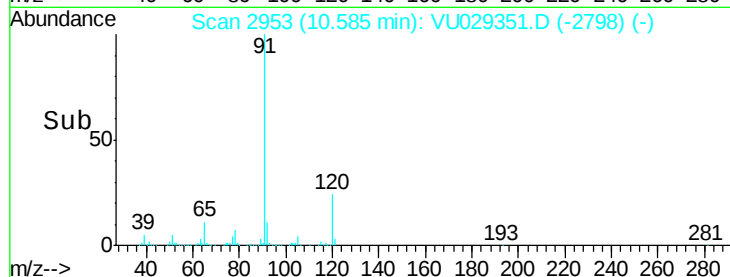


Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#74

2-Chlorotoluene

Concen: 2.128 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029351.D

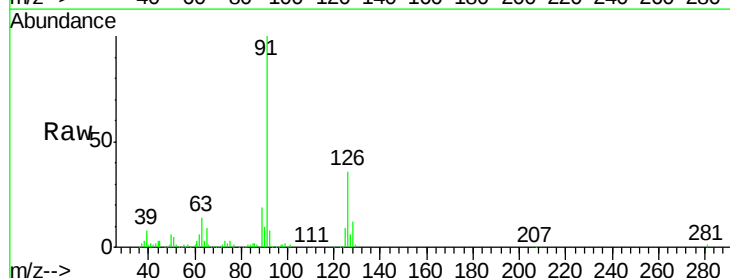
Acq: 05 Feb 2019 17:22

Tgt Ion:126 Resp: 35684

Ion Ratio Lower Upper

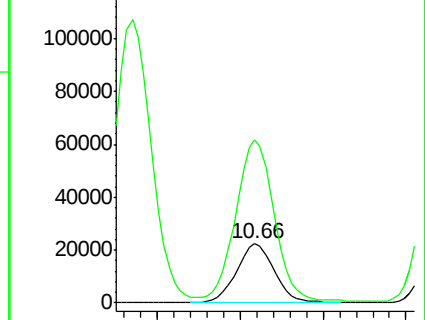
126 100

91 272.5 0.0 643.0

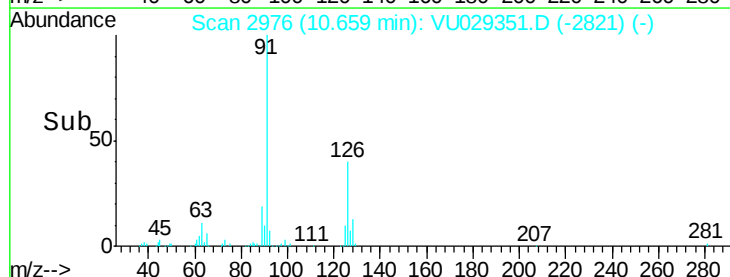


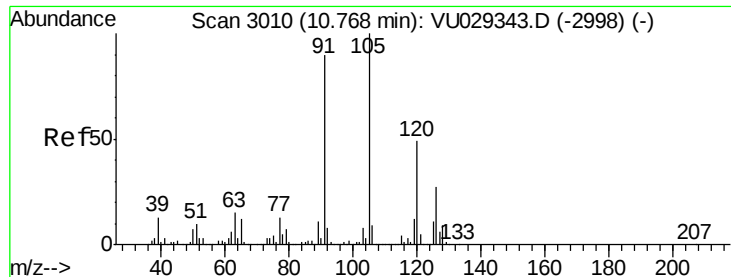
Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#75

1,3,5-Trimethylbenzene

Concen: 2.012 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:105 Resp: 122678

Ion Ratio Lower Upper

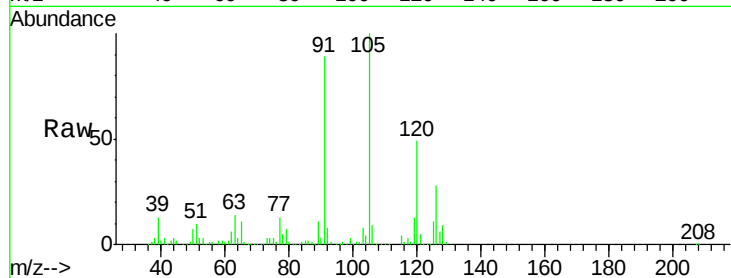
105 100

120 50.0 37.3 55.9

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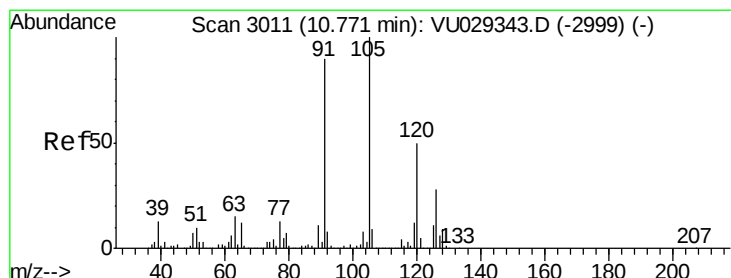
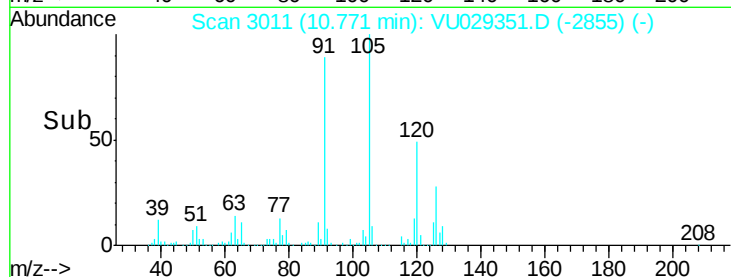
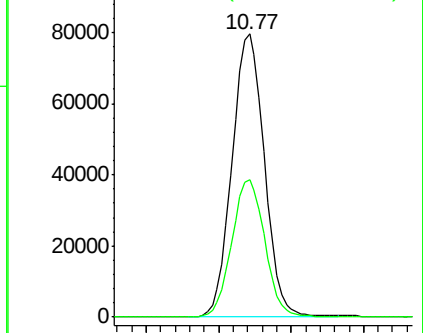
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.968 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. -0.00 min

Lab File: VU029351.D

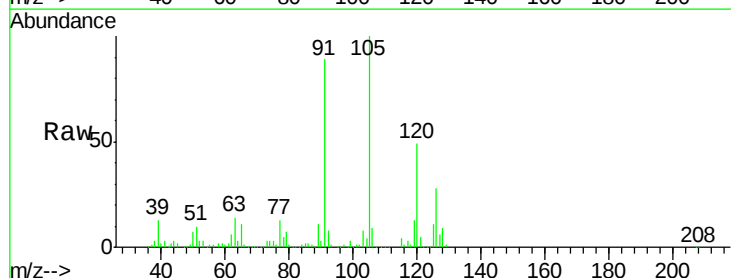
Acq: 05 Feb 2019 17:22

Tgt Ion:126 Resp: 34261

Ion Ratio Lower Upper

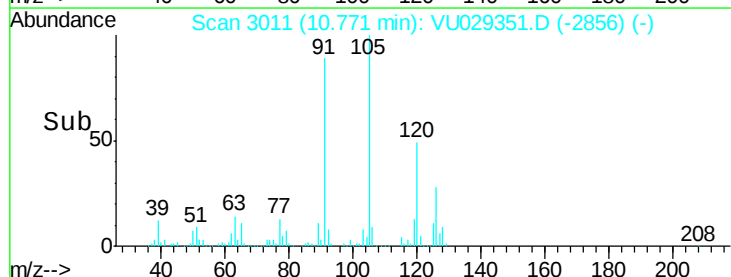
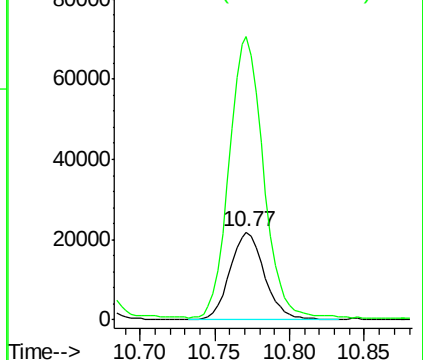
126 100

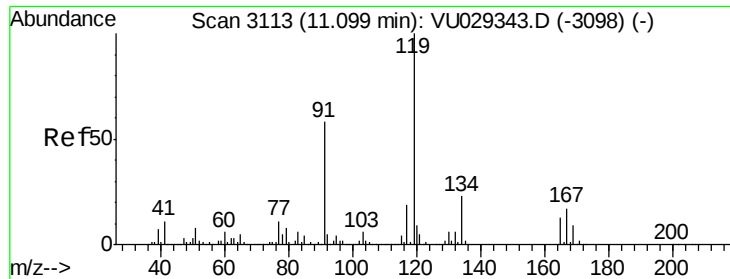
91 331.7 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





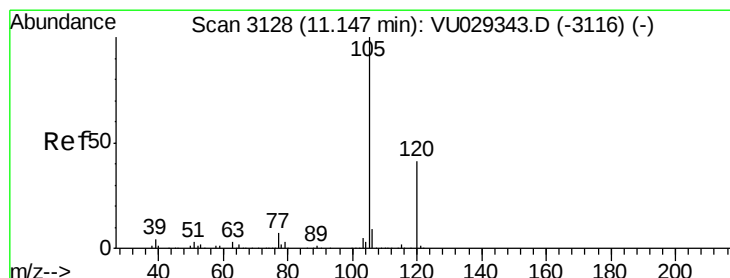
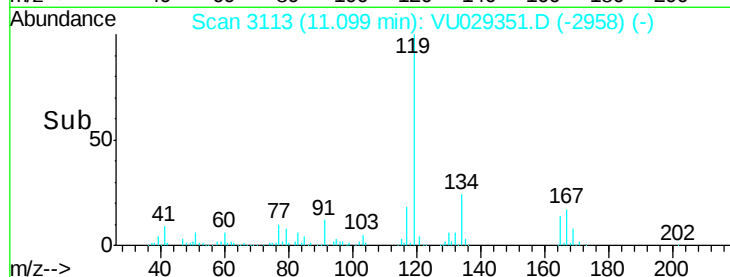
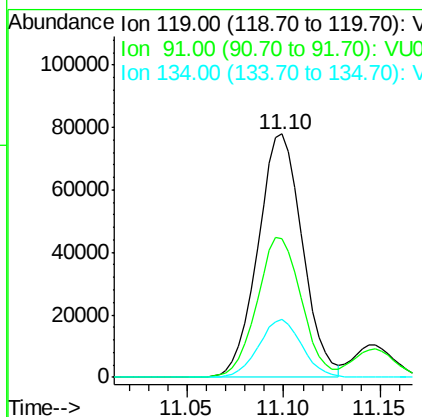
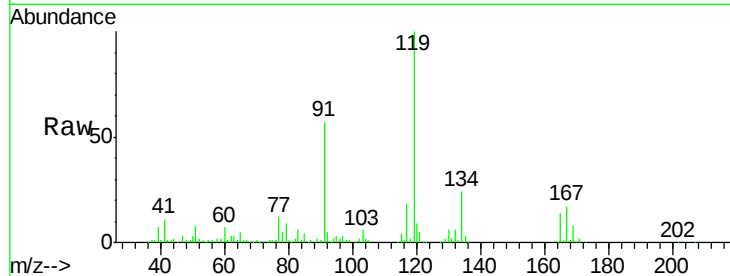
#77
 tert-Butylbenzene
 Concen: 2.068 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	32.2	96.6
134	23.2	17.6	26.4

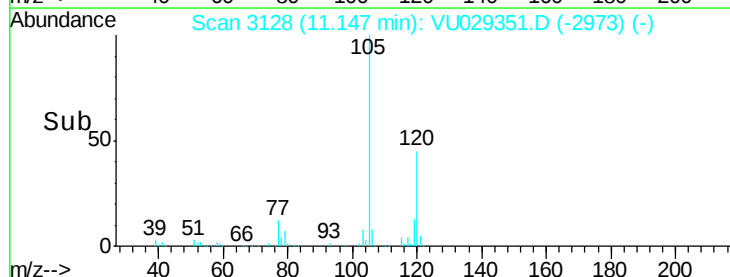
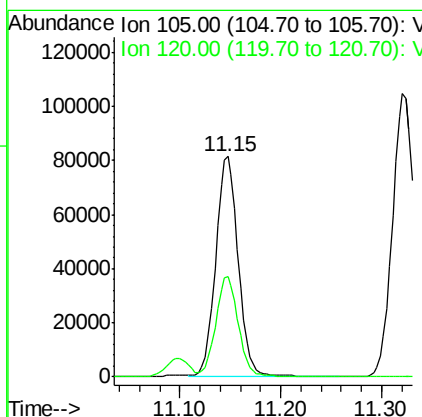
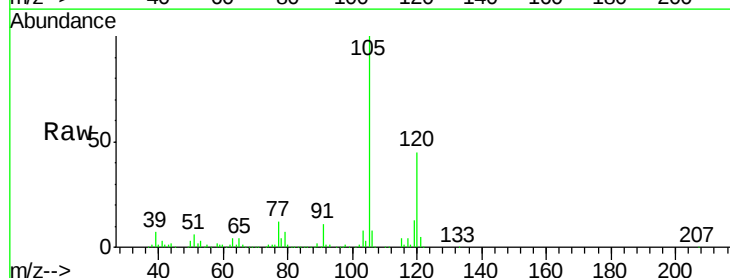
Manual Integrations
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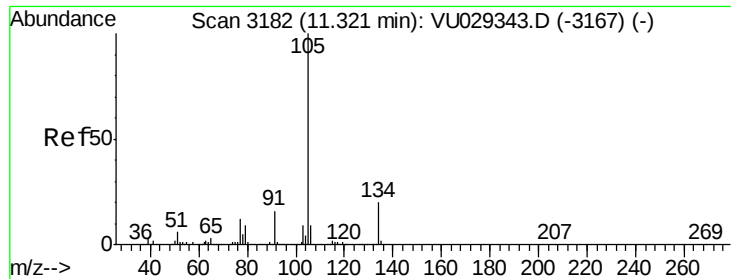
sam
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#78
 1,2,4-Trimethylbenzene
 Concen: 2.048 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	21.4	64.3





#79

sec-Butylbenzene

Concen: 2.051 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:105 Resp: 161693

Ion Ratio Lower Upper

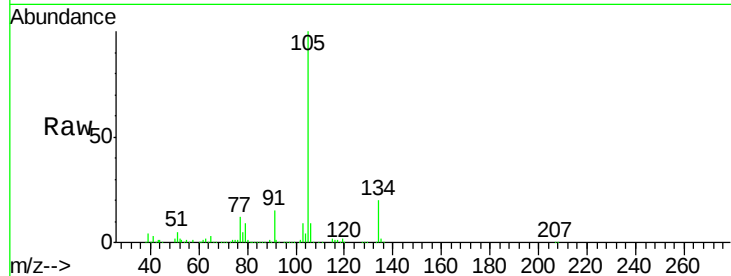
105 100

134 20.5 15.0 22.6

Manual Integrations
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sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

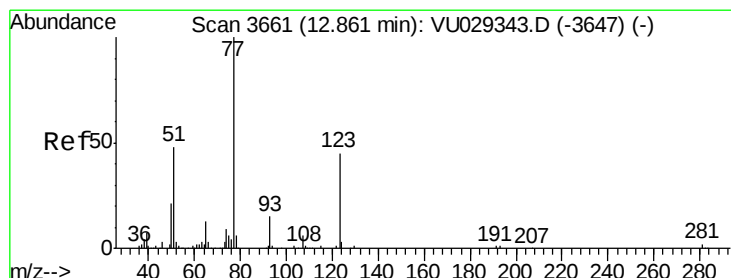
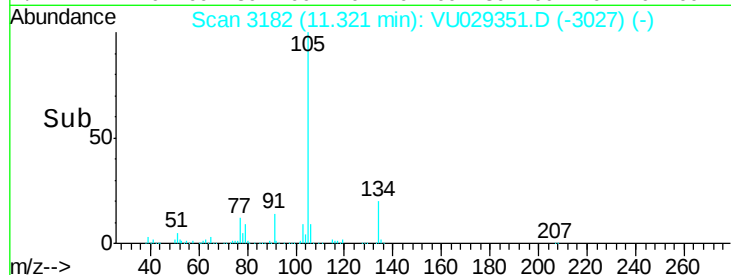
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 5.738 ug/l

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

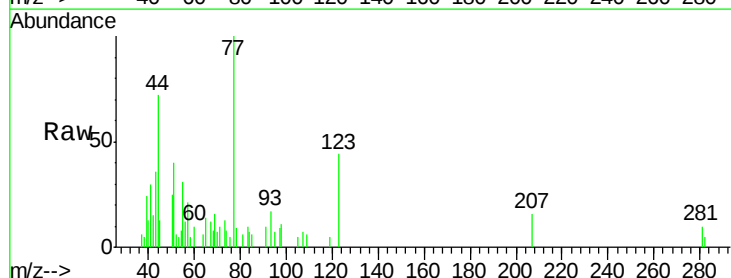
Tgt Ion: 77 Resp: 3333

Ion Ratio Lower Upper

77 100

123 40.3 17.5 61.9

65 14.2 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

3000

2500

2000

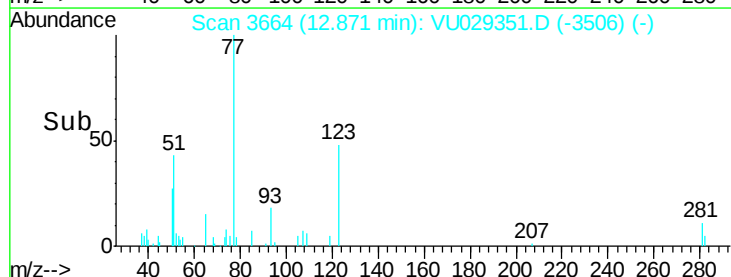
1500

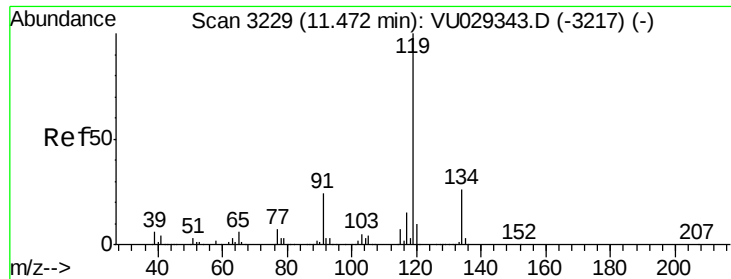
1000

500

0

Time-->





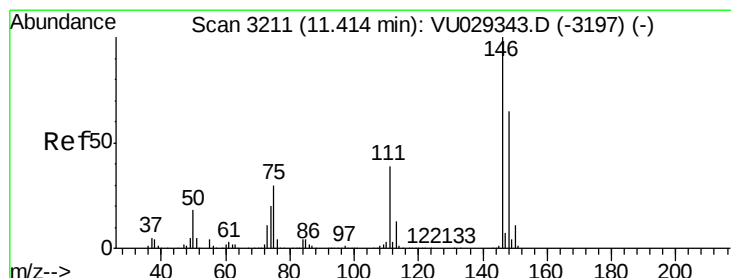
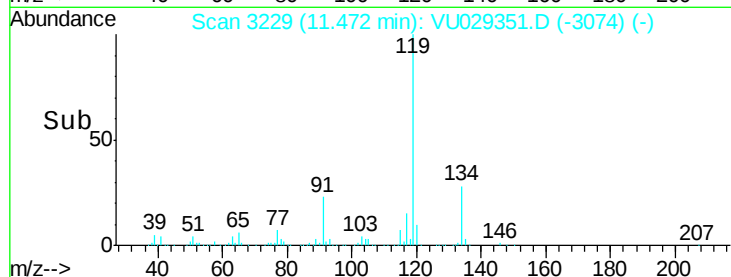
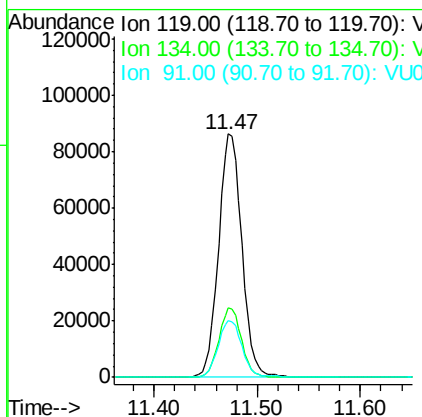
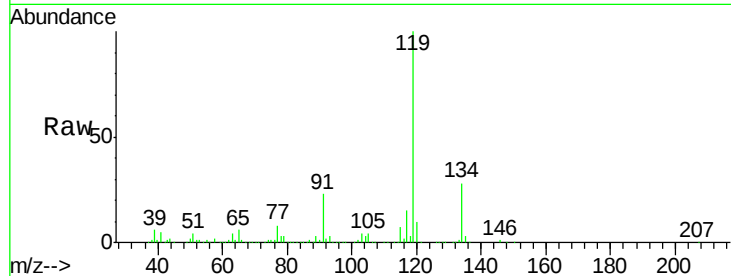
#81
p-Isopropyltoluene
Concen: 2.013 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	134529		
134	27.9		19.8	29.6
91	23.6		21.5	32.3

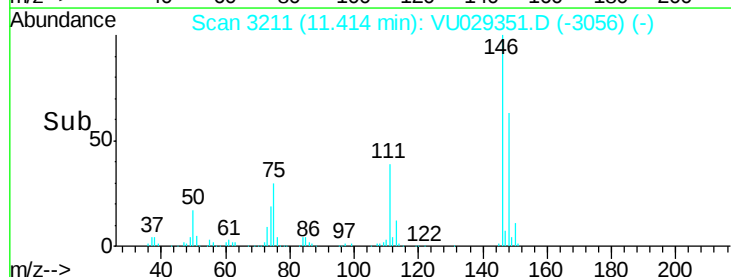
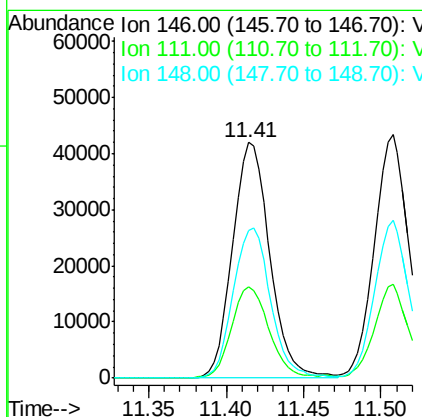
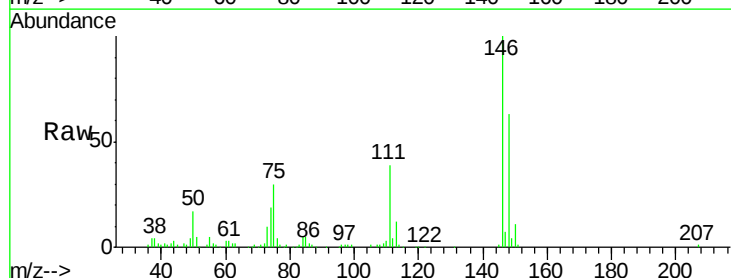
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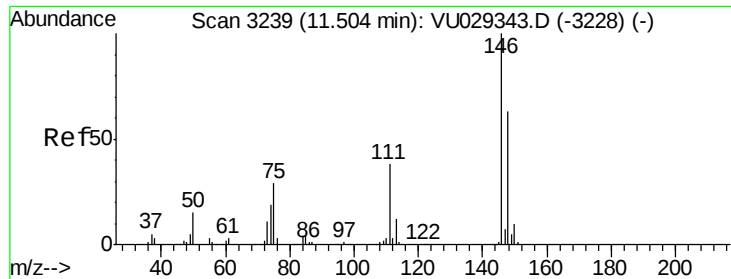
sam
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#82
1,3-Dichlorobenzene
Concen: 2.090 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	70272		
111	38.9		34.1	51.1
148	63.8		52.3	78.5





#83

1,4-Dichlorobenzene

Concen: 2.060 ug/l

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

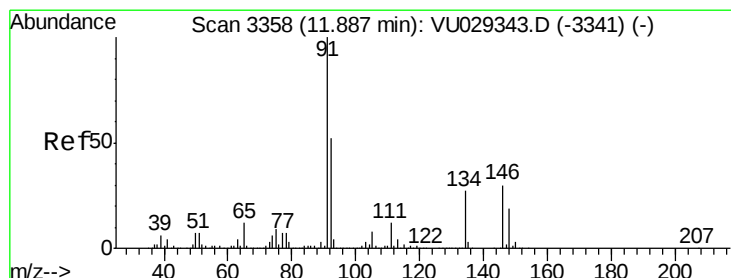
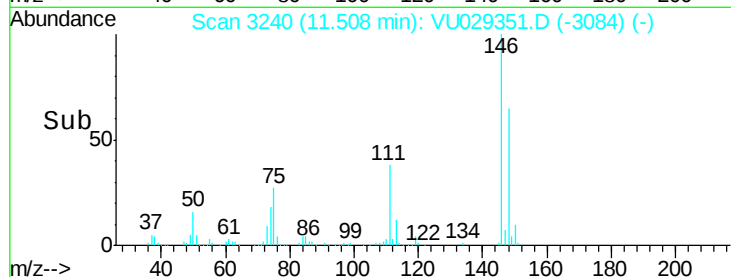
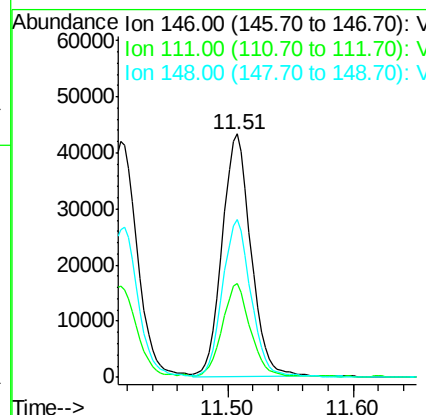
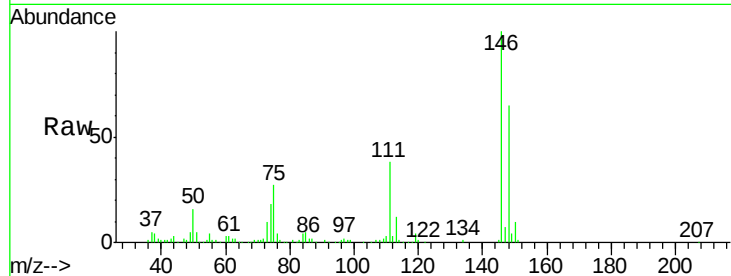
ClientSampleId :

VU0205WBS01

Tot Ion:	146	Resp:	68991
Ion Ratio	Lower	Upper	
146	100		
111	36.7	32.9	49.3
148	64.9	51.8	77.6

Manual Integrations
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sam
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#84

n-Butylbenzene

Concen: 1.977 ug/l

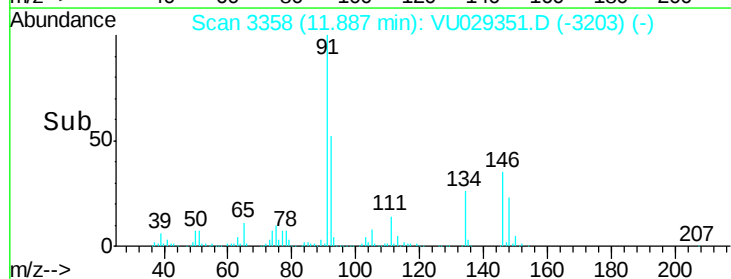
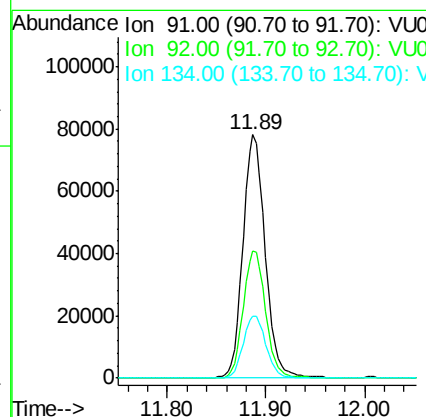
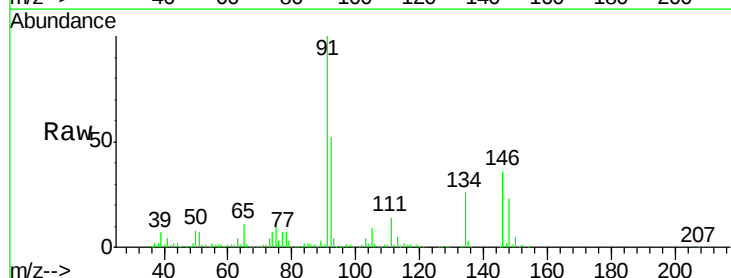
RT: 11.89 min Scan# 3358

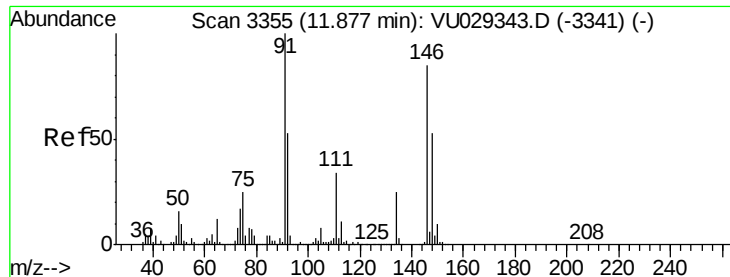
Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Tgt Ion:	91	Resp:	121255
Ion Ratio	Lower	Upper	
91	100		
92	52.8	41.0	61.6
134	26.5	19.1	28.7





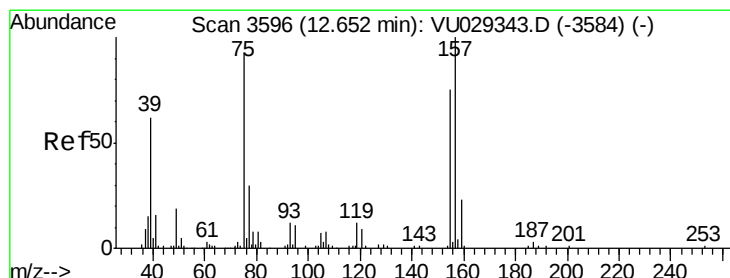
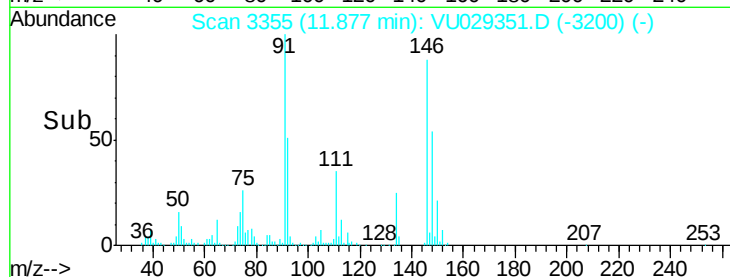
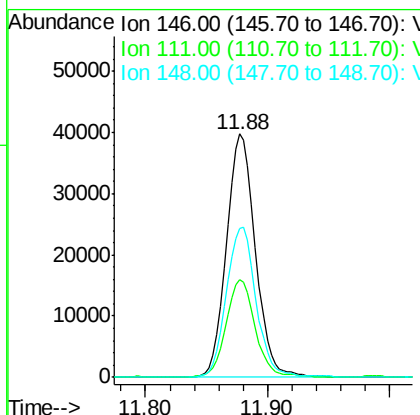
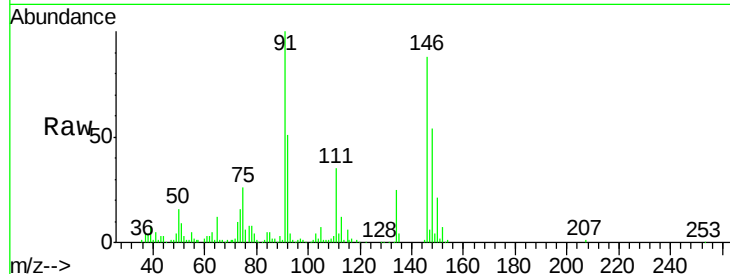
#85
 1,2-Dichlorobenzene
 Concen: 2.083 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.9	65.8
148	63.1	31.8	95.3

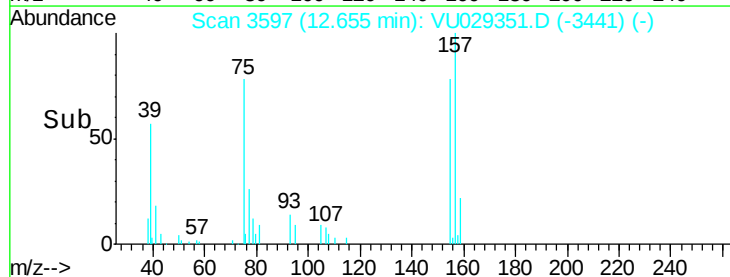
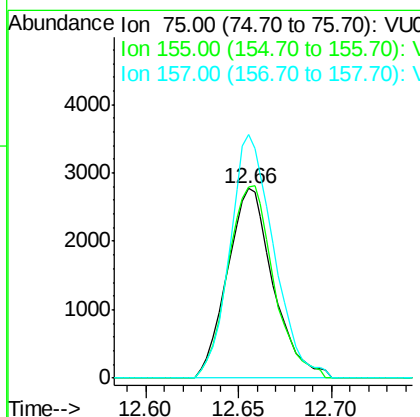
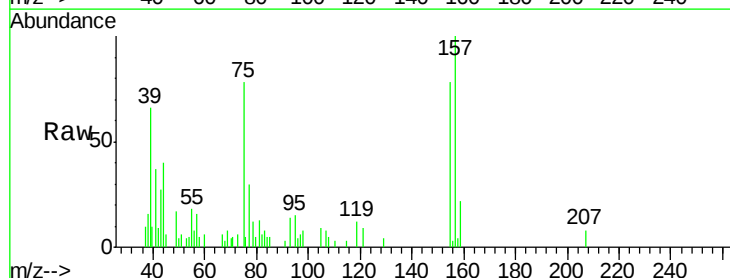
Manual Integrations
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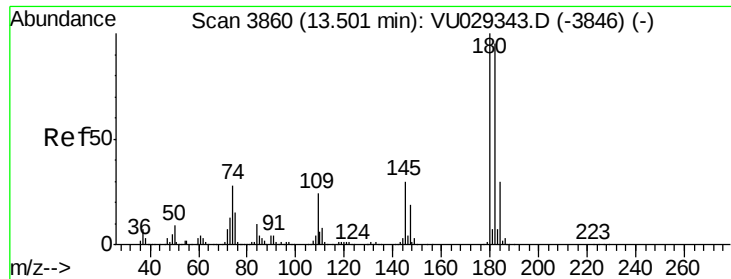
sam
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.957 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029351.D
 Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	53.8	80.8#
157	122.3	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 2.034 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

VU0205WBS01

Tot Ion:180 Resp: 45419

Ion Ratio Lower Upper

180 100

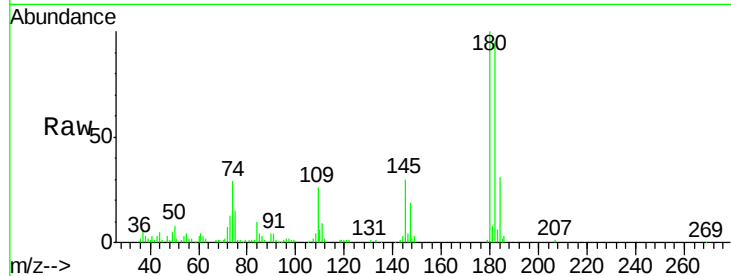
182 95.7 76.6 114.8

145 29.5 24.6 36.8

Manual Integrations
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sam

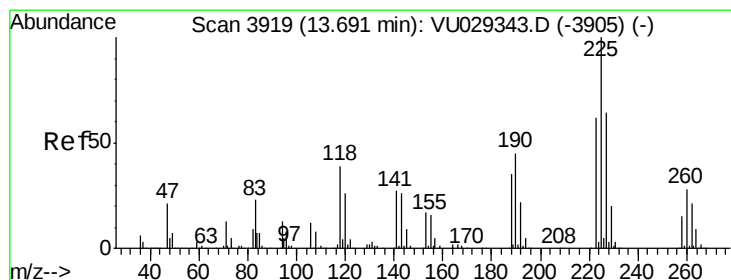
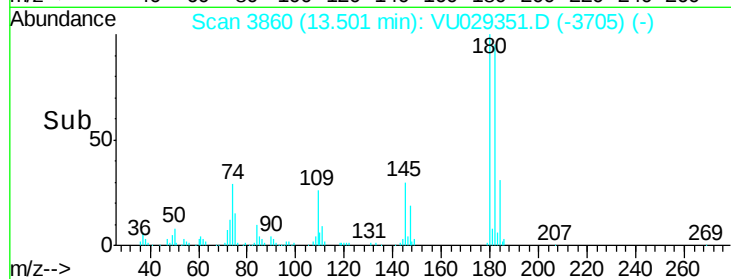
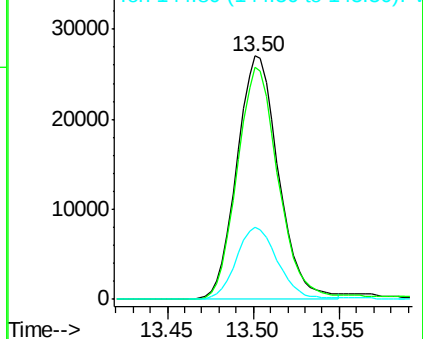
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 2.133 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. -0.00 min

Lab File: VU029351.D

Acq: 05 Feb 2019 17:22

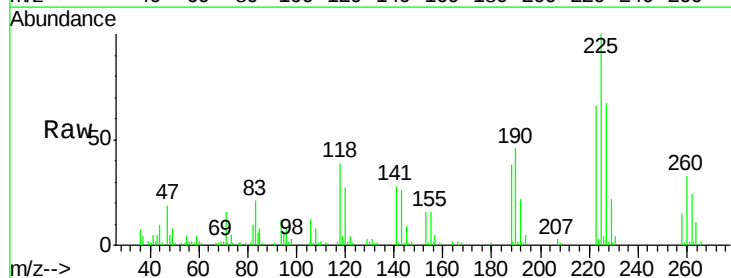
Tgt Ion:225 Resp: 27588

Ion Ratio Lower Upper

225 100

223 64.4 49.5 74.3

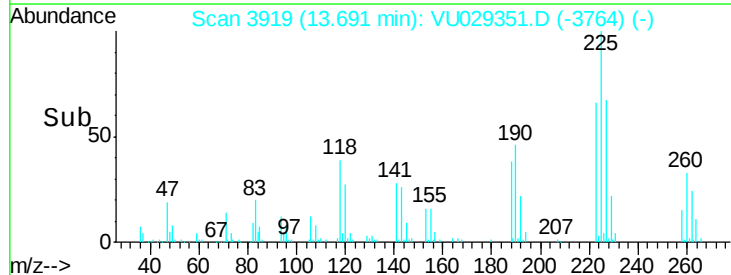
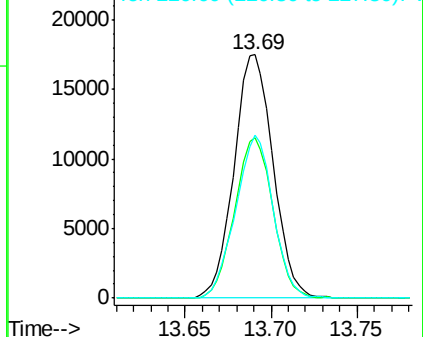
227 64.3 50.4 75.6

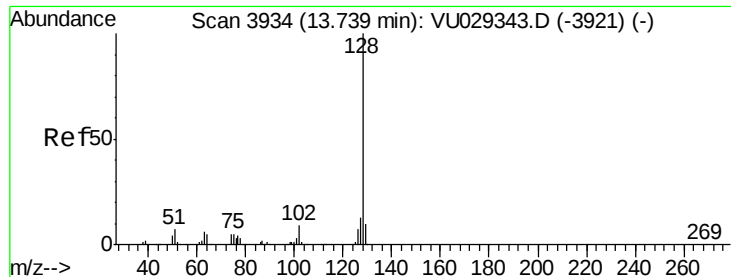


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





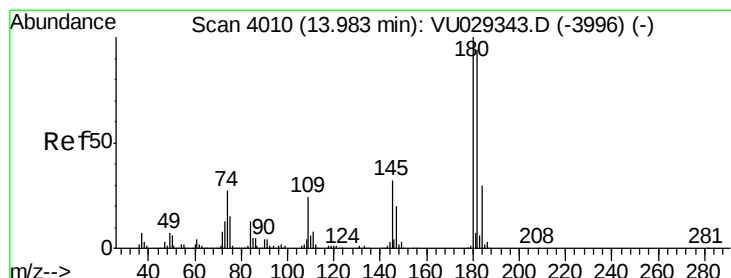
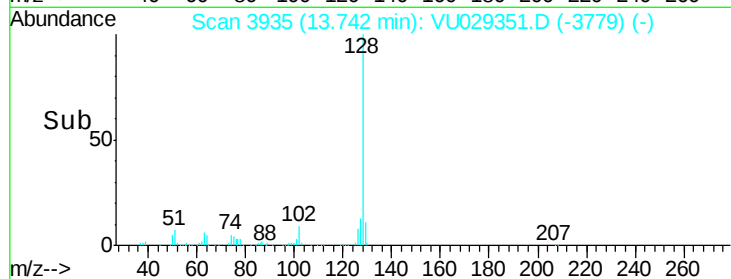
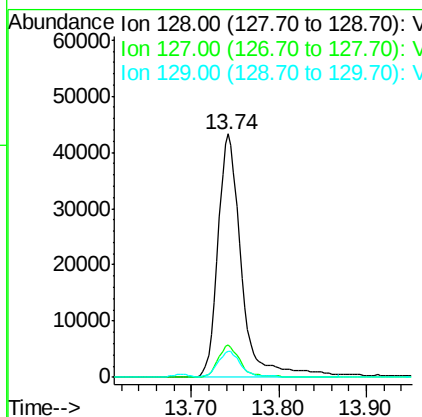
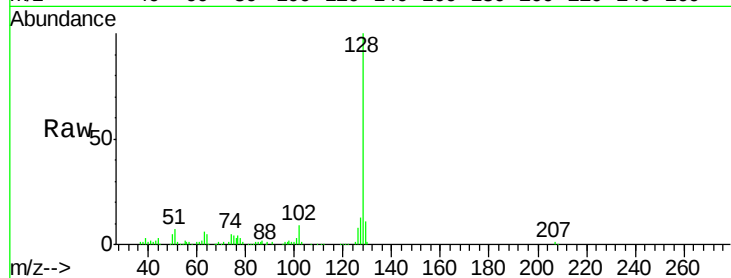
#89
Naphthalene
Concen: 2.141 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
VU0205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	81083		
127	12.3		10.7	16.1
129	9.5		8.2	12.4

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 2.089 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029351.D
Acq: 05 Feb 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	42634		
182	93.9		78.0	117.0
145	31.4		26.6	39.8

