

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030719\
 Data File : VU029835.D
 Acq On : 06 Mar 2019 11:41
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Mar 08 01:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	67479	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	24061	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	29414	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

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Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	325089	14.398	ug/l	100
3) Chloromethane	1.33	50	273601	13.608	ug/l	99
4) Vinyl Chloride	1.40	62	332034	14.680	ug/l	99
5) Bromomethane	1.62	94	192542	12.466	ug/l	99
6) Chloroethane	1.69	64	196482	14.487	ug/l	96
7) Trichlorofluoromethane	1.88	101	451351	14.644	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	260987	14.555	ug/l	99
9) 1,1-Dichloroethene	2.28	96	257801	14.688	ug/l	99
10) Iodomethane	2.41	142	303981	19.977	ug/l	99
11) Allyl Chloride	2.59	41	354721	14.376	ug/l	99
12) Acrylonitrile	2.93	53	107797	28.167	ug/l	99
13) Acetone	2.32	43	210813	66.508	ug/l	99
14) Carbon Disulfide	2.47	76	827507	14.558	ug/l	100
15) Methylene Chloride	2.69	84	285829	13.571	ug/l	99
16) trans-1,2-Dichloroethene	2.97	96	283558	14.301	ug/l	99
17) 1,1-Dichloroethane	3.44	63	473018	14.258	ug/l	99
18) 2-Butanone	4.27	43	335379	77.856	ug/l	98
19) Cyclohexane	4.99	56	403069m	16.013	ug/l	
20) Methylcyclohexane	6.41	83	470875	15.696	ug/l	100
21) 2,2-Dichloropropane	4.22	77	390509	14.401	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	312362	14.865	ug/l	99
23) Diethyl Ether	2.10	59	193696	14.720	ug/l	100
24) tert-Butyl Alcohol	2.84	59	193829	142.794	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	646541	14.628	ug/l	100
26) Bromochloromethane	4.54	128	134568	14.425	ug/l	99
27) Chloroform	4.67	83	490654	14.606	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	422477	14.833	ug/l	99
29) 1,1-Dichloropropene	5.13	75	372251	14.707	ug/l	98
30) Carbon Tetrachloride	5.13	117	378676	15.239	ug/l	97
31) Isopropyl Ether	3.58	45	675945	14.773	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	678147	15.247	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	636105	15.466	ug/l	99
34) Propionitrile	4.33	54	96821	75.560	ug/l	96
35) Benzene	5.38	78	1114084	14.942	ug/l	100
36) 1,2-Dichloroethane	5.40	62	294662	14.469	ug/l	100
37) Trichloroethene	6.18	130	322030	14.792	ug/l	97
38) 1,2-Dichloropropane	6.43	63	283306	15.011	ug/l	100
39) Methacrylonitrile	4.55	41	82071	15.226	ug/l	97
40) Methyl acrylate	4.42	55	131536	15.439	ug/l	100
41) Tetrahydrofuran	4.65	42	81557	28.929	ug/l	98
42) 1-Chlorobutane	5.06	56	506432	15.661	ug/l	98

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 Sample : VSTDIC015
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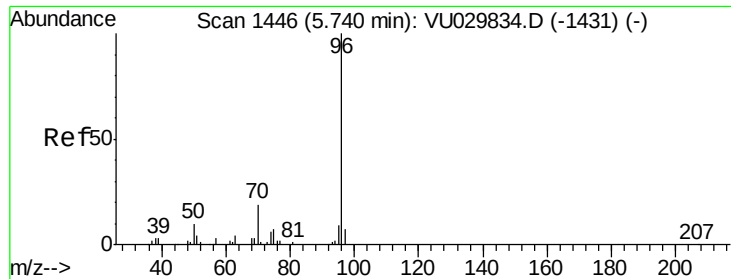
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Mar 08 01:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 07 01:00:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	145832	14.908	ug/l	100
44) Bromodichloromethane	6.75	83	358782	14.935	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	795600	77.985	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	147168m	33.139	ug/l	
47) Methyl methacrylate	6.62	69	270303	32.202	ug/l	99
48) Ethyl methacrylate	8.02	69	274363	17.059	ug/l	99
49) Toluene	7.63	92	716509	15.647	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	337945	16.052	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	408678	15.681	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	216201	14.932	ug/l	98
53) 1,3-Dichloropropane	8.24	76	354111	14.911	ug/l	99
54) 2-Hexanone	8.36	43	563826	79.576	ug/l	99
55) Dibromochloromethane	8.47	129	270524	15.742	ug/l	100
56) 1,2-Dibromoethane	8.58	107	201141	14.651	ug/l	99
58) Tetrachloroethene	8.22	164	321549	14.461	ug/l	98
59) Chlorobenzene	9.12	112	818976	15.563	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	286449	15.174	ug/l	100
61) Pentachloroethane	11.10	117	209636	15.951	ug/l	100
62) Hexachloroethane	12.14	117	227935	16.486	ug/l	96
63) Ethyl Benzene	9.25	91	1385096	16.067	ug/l	100
64) m/p-Xylenes	9.37	106	1111167	32.606	ug/l	99
65) o-Xylene	9.77	106	535892	16.373	ug/l	100
66) Styrene	9.79	104	916102	16.848	ug/l	99
67) Bromoform	9.95	173	163498	16.199	ug/l	100
69) Isopropylbenzene	10.16	105	1411678	16.265	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	265812	15.053	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	189902m	14.849	ug/l	
72) Bromobenzene	10.45	156	360995	15.714	ug/l	98
73) n-propylbenzene	10.58	120	402928	16.514	ug/l	98
74) 2-Chlorotoluene	10.66	126	344899	15.936	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	1202310	16.444	ug/l	100
76) 4-Chlorotoluene	10.77	126	359696	16.297	ug/l	97
77) tert-Butylbenzene	11.10	119	1188309	16.426	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	1231550	16.668	ug/l	100
79) sec-Butylbenzene	11.32	105	1593305	16.618	ug/l	100
80) Nitrobenzene	12.86	77	32447	96.267	ug/l	97
81) p-Isopropyltoluene	11.47	119	1349983	16.819	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	706283	15.523	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	705835	15.877	ug/l	99
84) n-Butylbenzene	11.89	91	1239430	16.948	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	659771	15.378	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	41734	16.553	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	477738	17.388	ug/l	98
88) Hexachlorobutadiene	13.69	225	266143	15.379	ug/l	99
89) Naphthalene	13.74	128	824798	18.781	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	437649	16.956	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

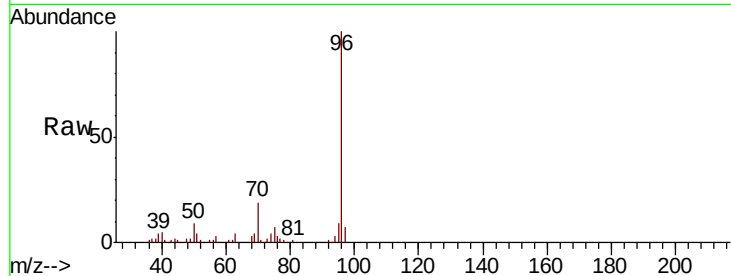
MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
70	19.1	14.4	21.6	
95	0.0	7.0	10.6	#
97	0.0	0.0	0.0	

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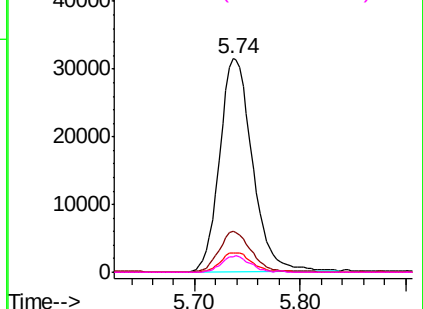
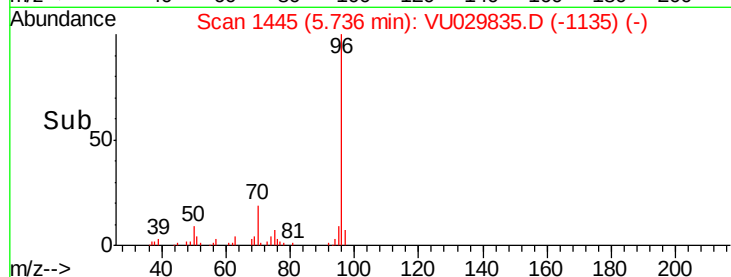


Abundance Ion 96.00 (95.70 to 96.70): VU029834.D (-1431) (-)

Ion 70.00 (69.70 to 70.70): VU029834.D (-1431) (-)

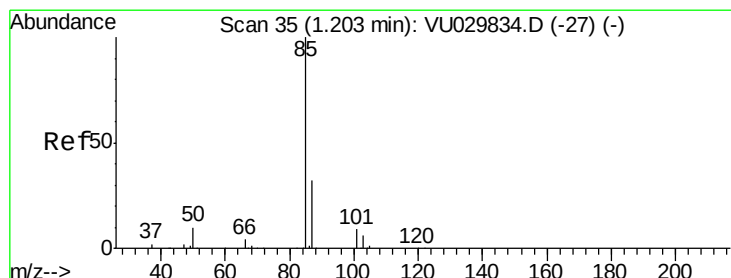
Ion 95.00 (94.70 to 95.70): VU029834.D (-1431) (-)

Ion 97.00 (96.70 to 97.70): VU029834.D (-1431) (-)



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#2

Dichlorodifluoromethane

Concen: 14.398 ug/l

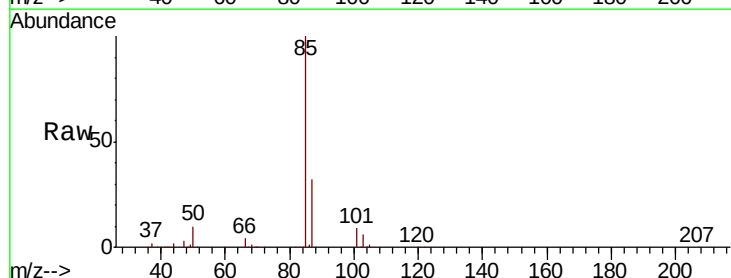
RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029835.D

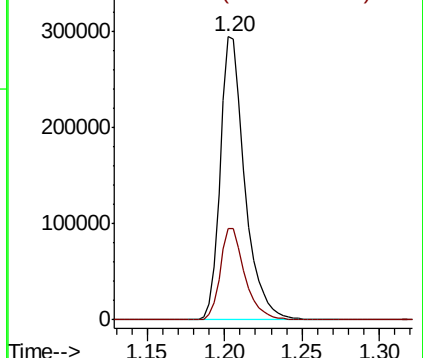
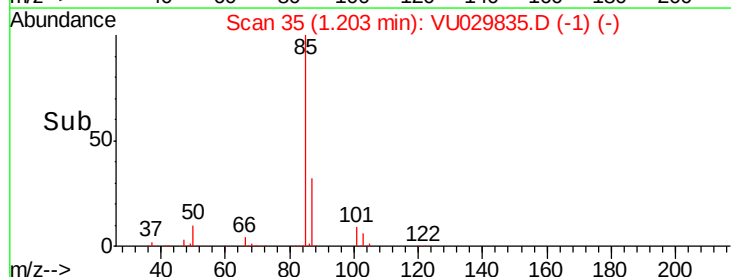
Acq: 06 Mar 2019 11:41

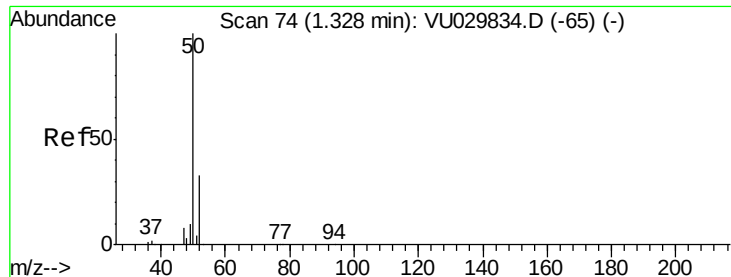
Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.4	16.2	48.6	



Abundance Ion 85.00 (84.70 to 85.70): VU029834.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-27) (-)





#3

Chloromethane

Concen: 13.608 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

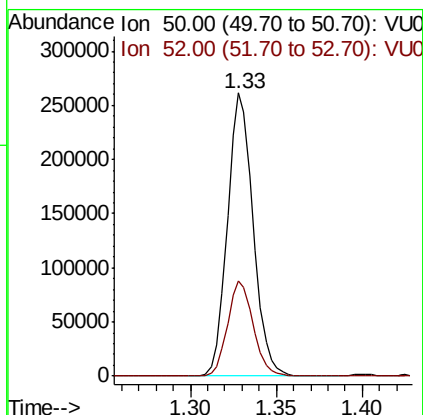
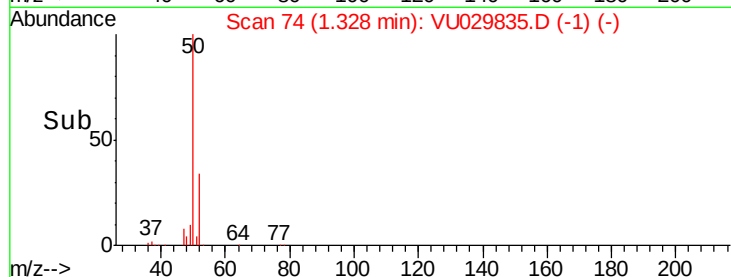
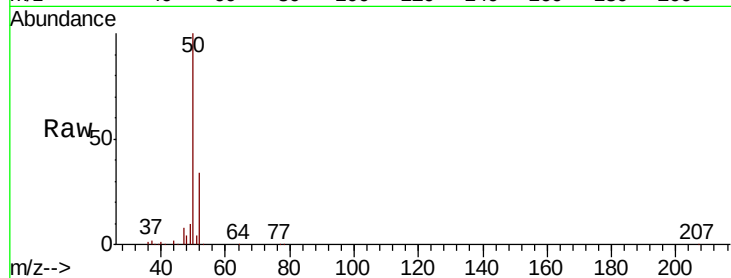
Tgt Ion: 50 Resp: 273601

Ion Ratio Lower Upper

50 100

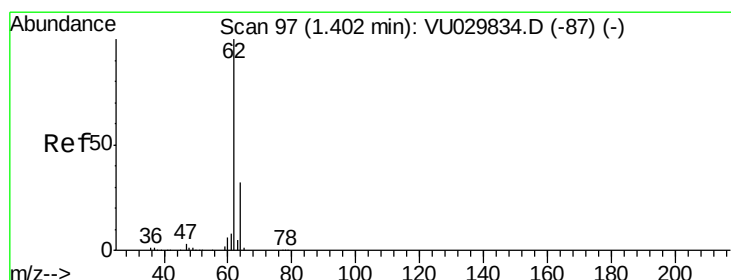
52 33.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 14.680 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029835.D

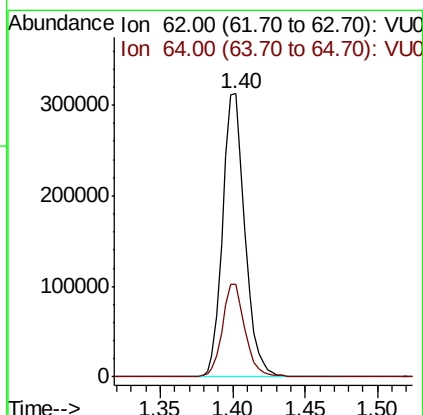
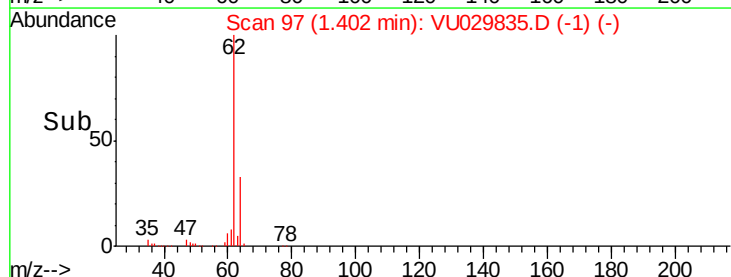
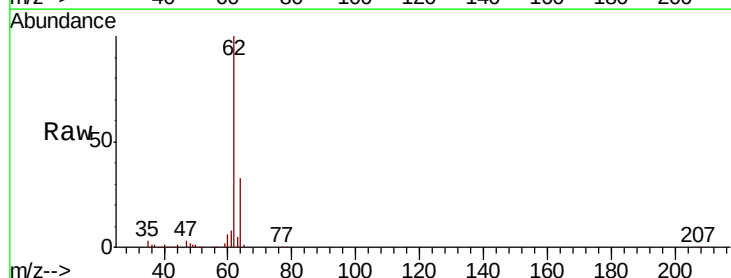
Acq: 06 Mar 2019 11:41

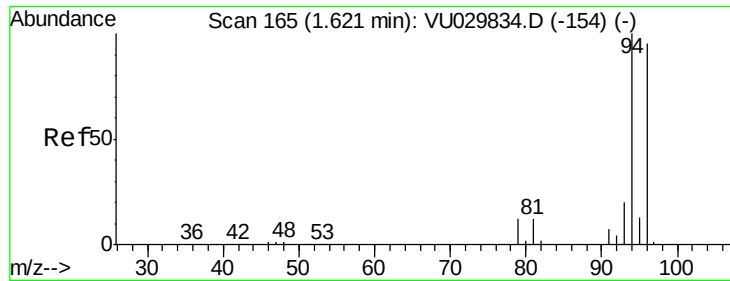
Tgt Ion: 62 Resp: 332034

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5





#5

Bromomethane

Concen: 12.466 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 94 Resp: 192542

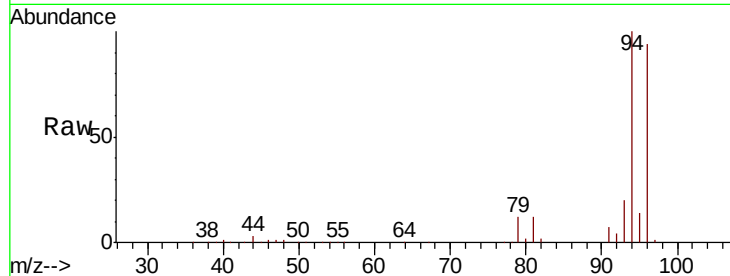
Ion Ratio Lower Upper

94 100

96 94.4 76.4 114.6

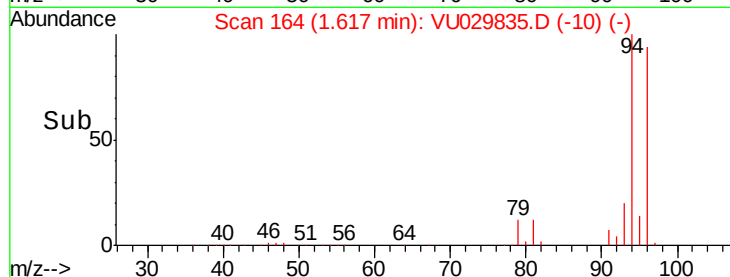
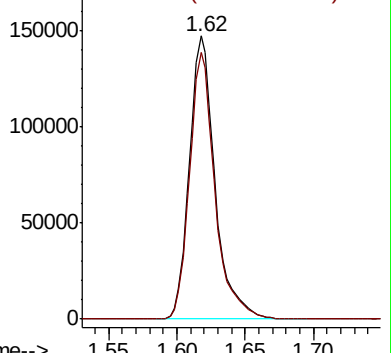
Manual Integrations

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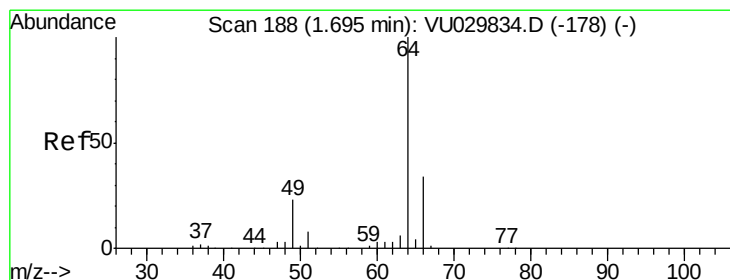
Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



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#6

Chloroethane

Concen: 14.487 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029835.D

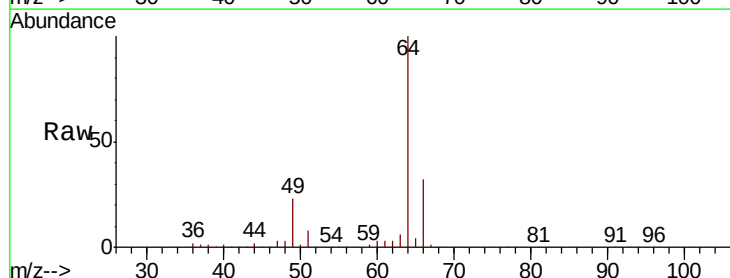
Acq: 06 Mar 2019 11:41

Tgt Ion: 64 Resp: 196482

Ion Ratio Lower Upper

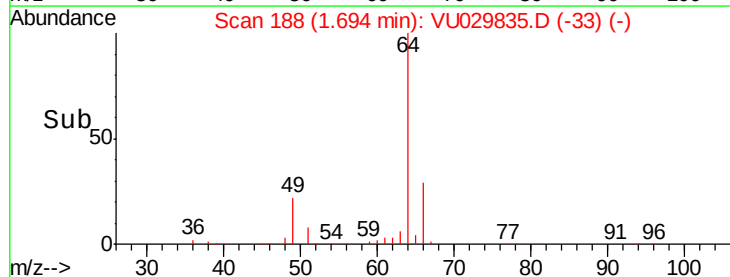
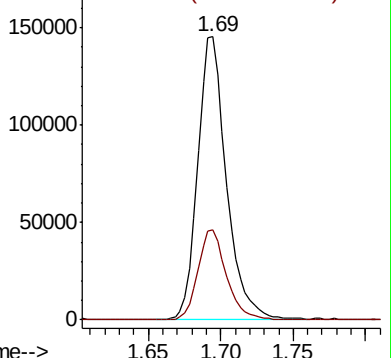
64 100

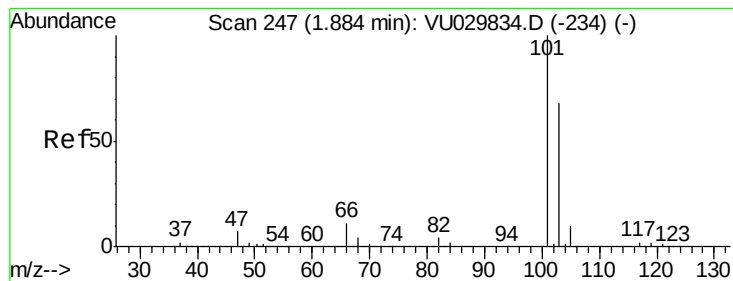
66 32.0 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





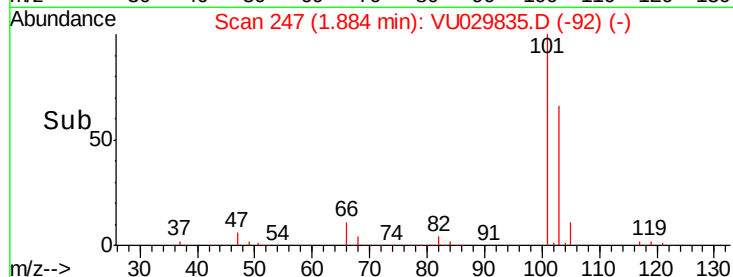
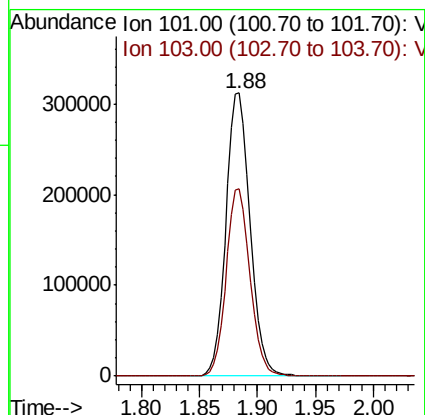
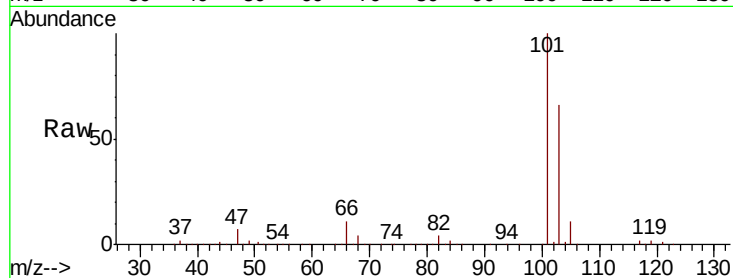
#7

Trichlorofluoromethane
Concen: 14.644 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
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VSTDIC015

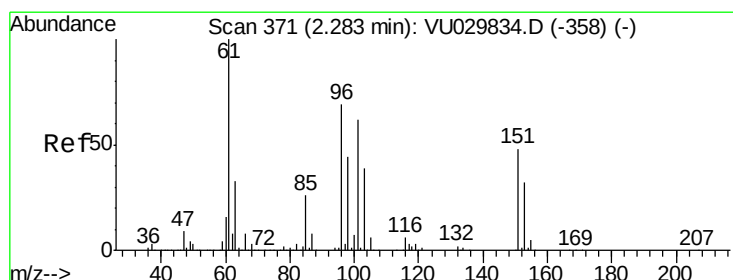
Tgt Ion	Ratio	Resp	Lower	Upper
101	100	451351		
103	66.1	54.2	54.2	81.2

Manual Integrations
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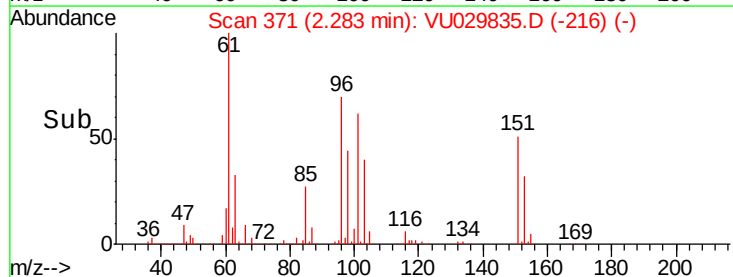
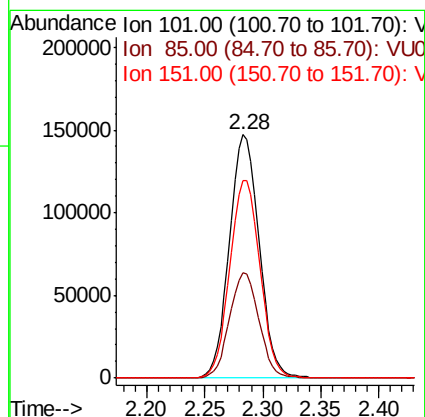
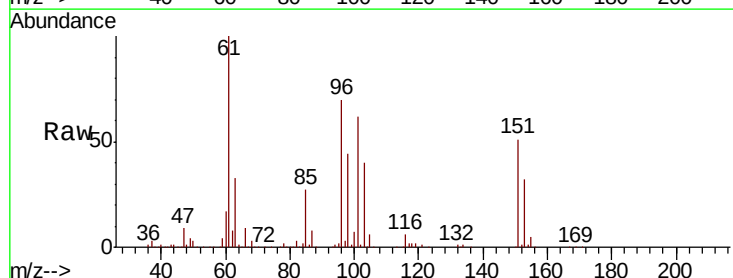
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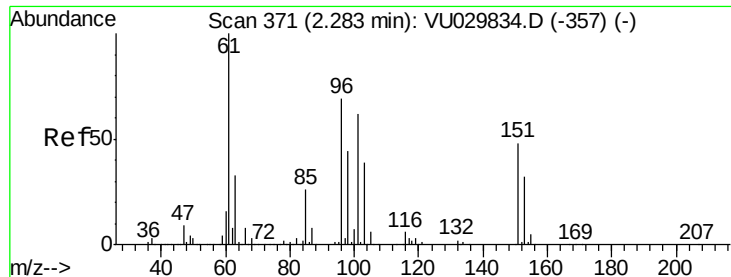


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.555 ug/l
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	260987		
85	42.7	33.4	33.4	50.0
151	82.1	64.6	64.6	97.0





#9

1,1-Dichloroethene

Concen: 14.688 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

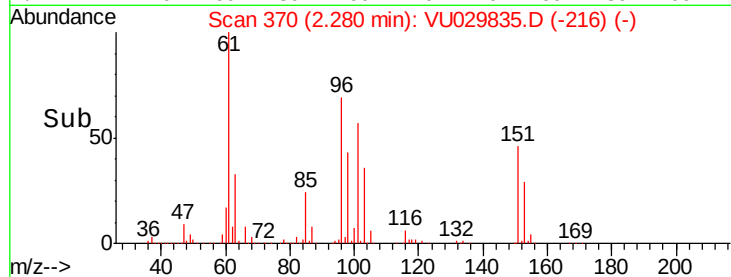
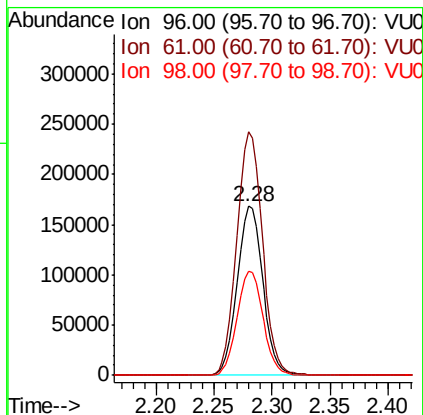
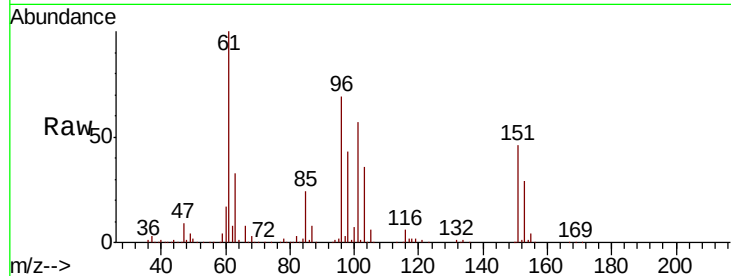
MSVOA_U

ClientSampleId :

VSTDIC015

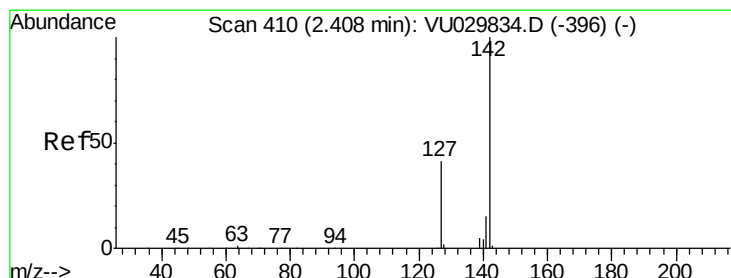
Tgt Ion:	96	Resp:	257801
Ion	Ratio	Lower	Upper
96	100		
61	144.1	0.0	435.3
98	61.9	0.0	128.6

Manual Integrations
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#10

Iodomethane

Concen: 19.977 ug/l

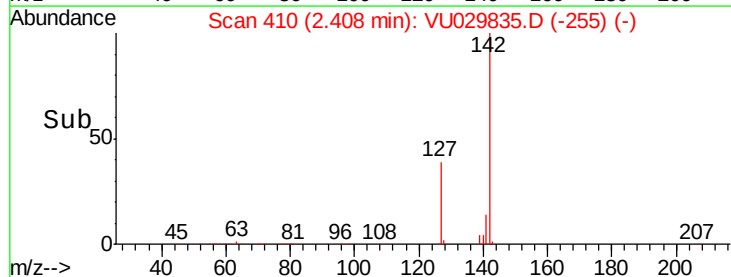
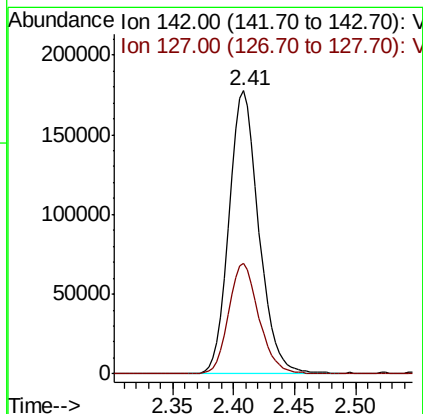
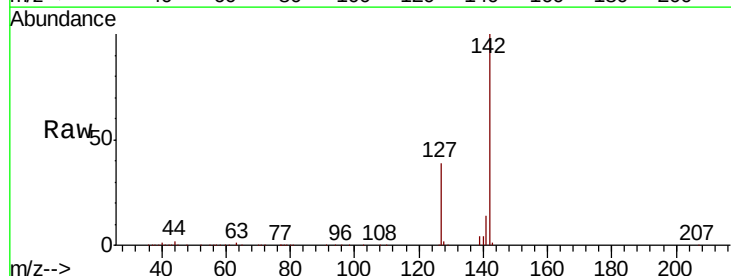
RT: 2.41 min Scan# 410

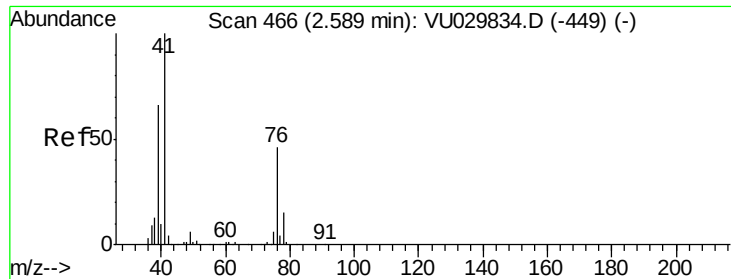
Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Tgt Ion:	142	Resp:	303981
Ion	Ratio	Lower	Upper
142	100		
127	39.7	32.3	48.5



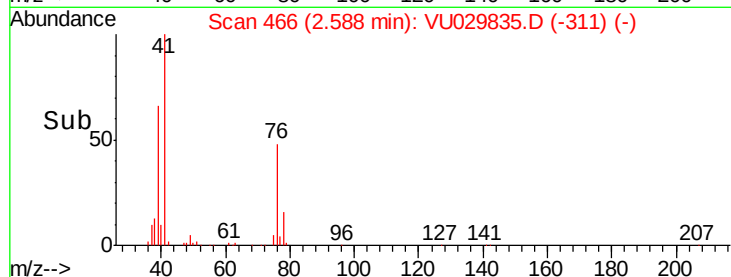
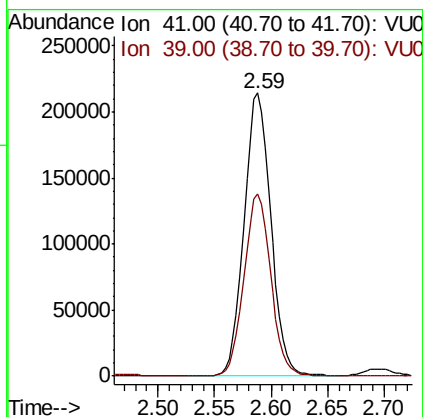
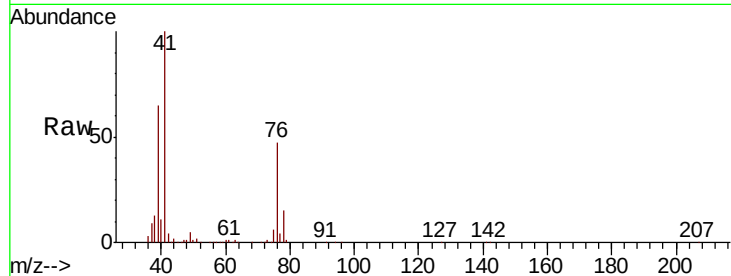


#11
 Allyl Chloride
 Concen: 14.376 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

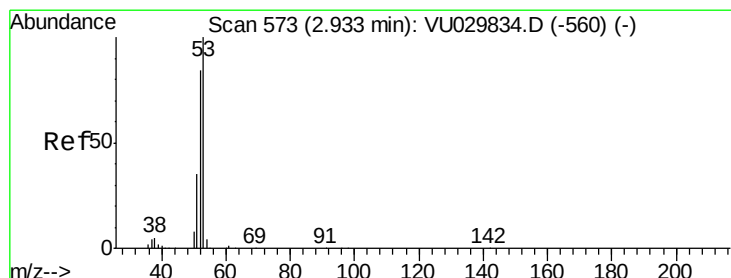
Tgt Ion: 41 Resp: 354721
 Ion Ratio Lower Upper
 41 100
 39 64.1 51.6 77.4

Manual Integrations
 APPROVED



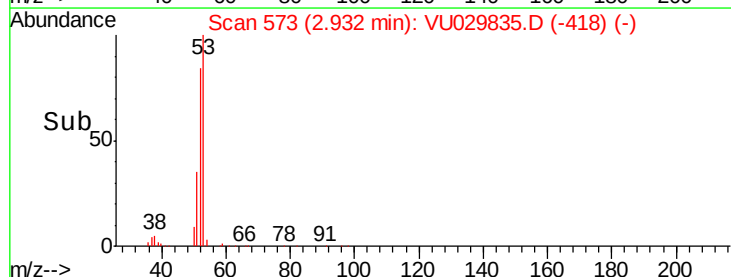
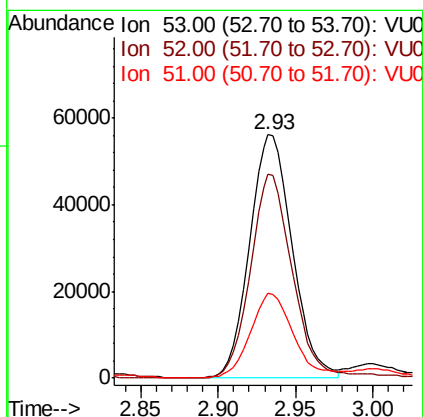
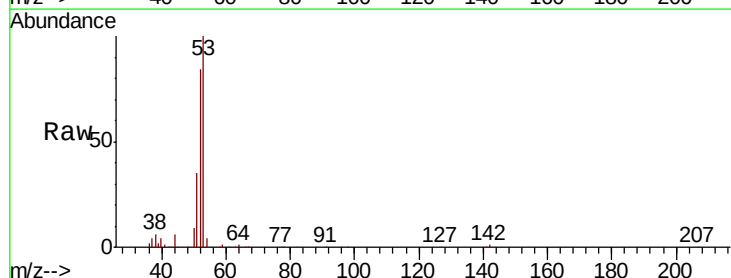
MMDadoda

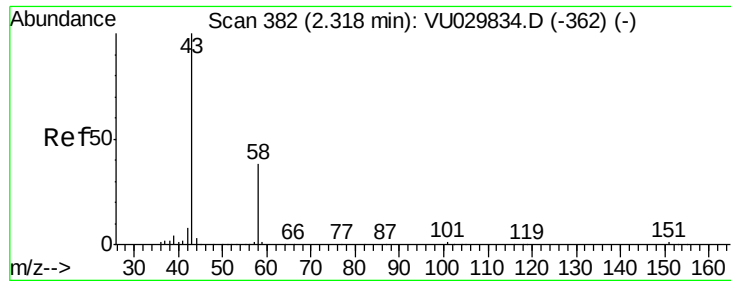
3/11/2019 4:50:18 PM



#12
 Acrylonitrile
 Concen: 28.167 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion: 53 Resp: 107797
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.5 99.7
 51 35.6 28.6 42.8



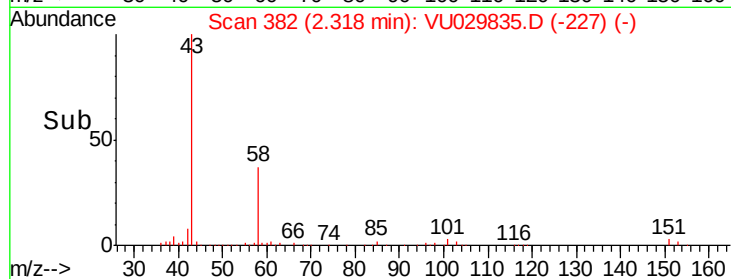
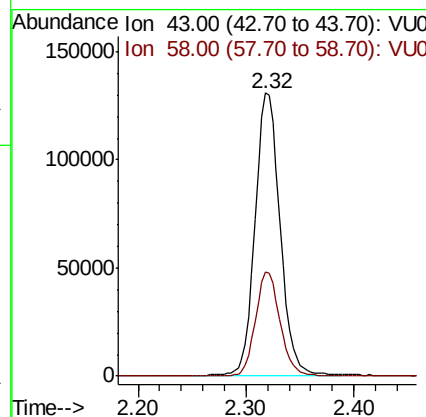
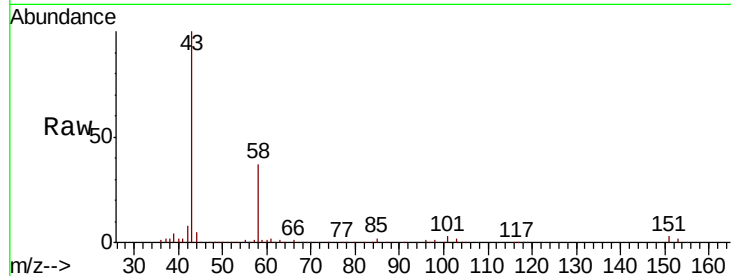


#13
Acetone
Concen: 66.508 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

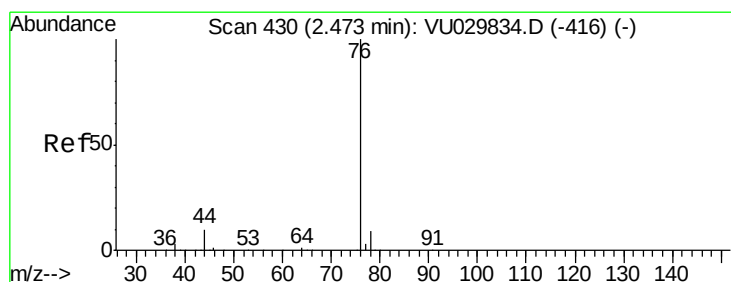
Tgt Ion: 43 Resp: 210813
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2

Manual Integrations
APPROVED



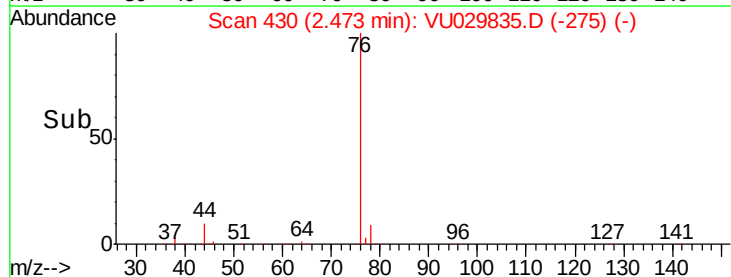
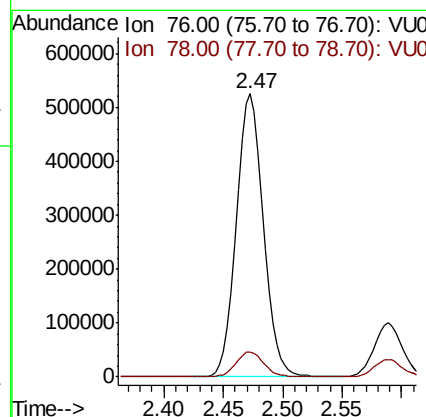
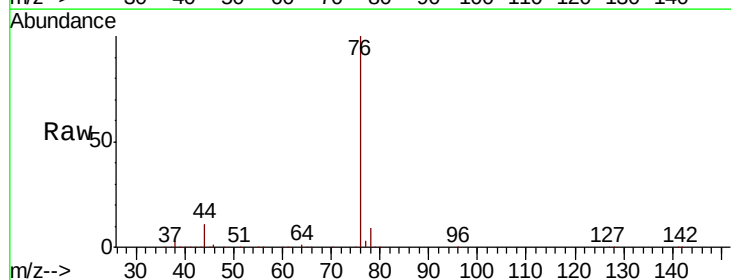
MMDadoda

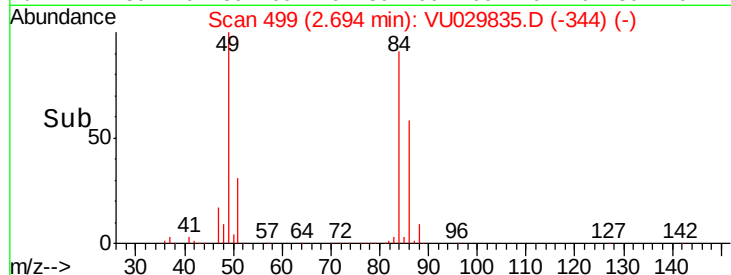
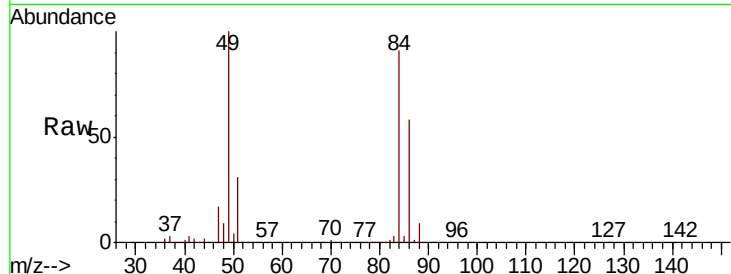
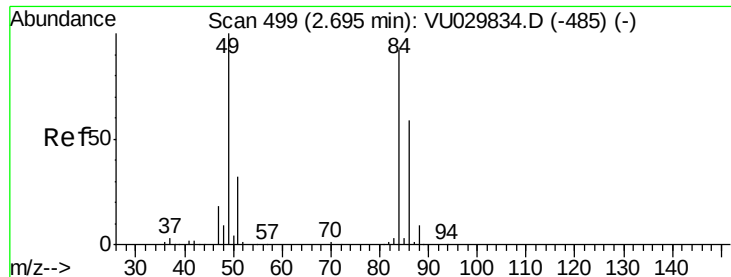
3/11/2019 4:50:18 PM



#14
Carbon Disulfide
Concen: 14.558 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

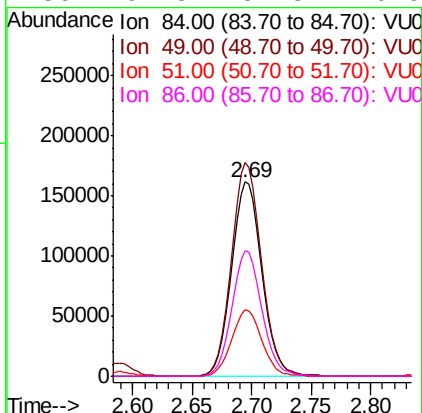
Tgt Ion: 76 Resp: 827507
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8





#15
Methylene Chloride
Concen: 13.571 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.0	87.2	130.8
51	34.1	0.0	69.0
86	64.3	51.3	76.9

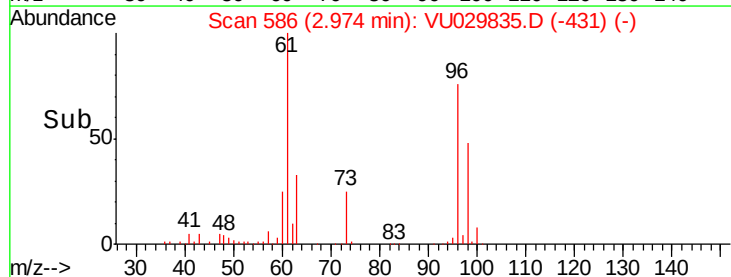
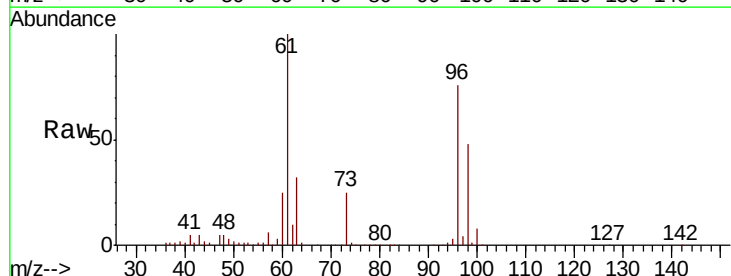
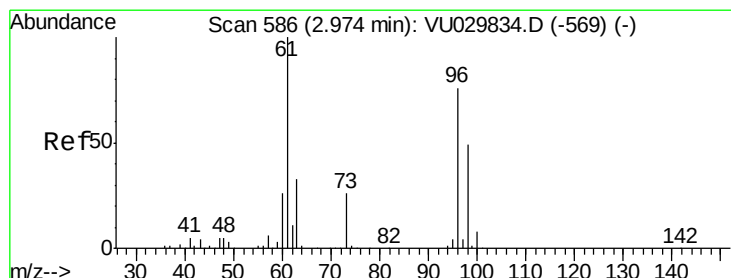


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

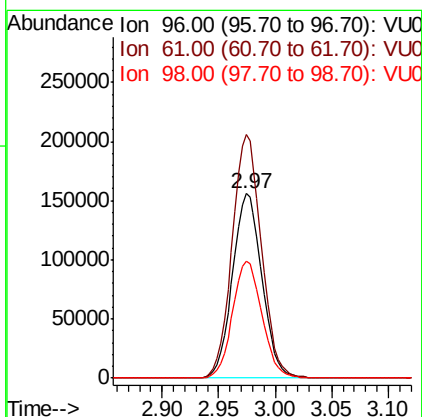
MMDadoda

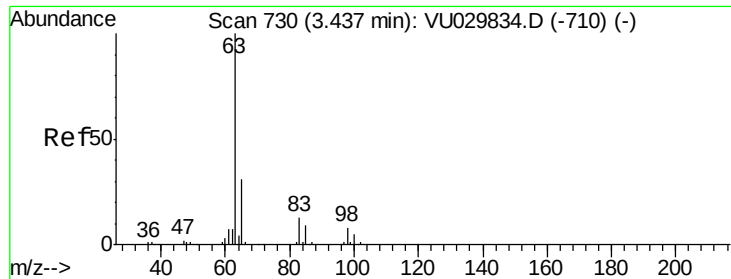
3/11/2019 4:50:18 PM



#16
trans-1,2-Dichloroethene
Concen: 14.301 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.2	104.7	157.1
98	63.7	50.9	76.3



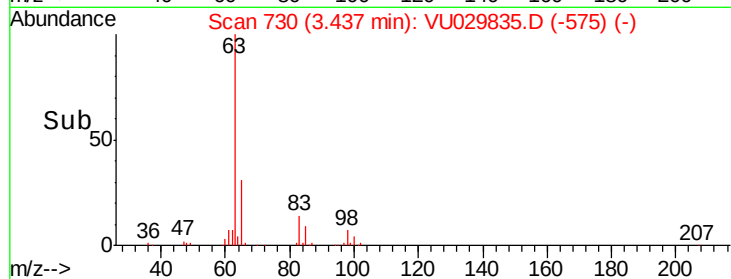
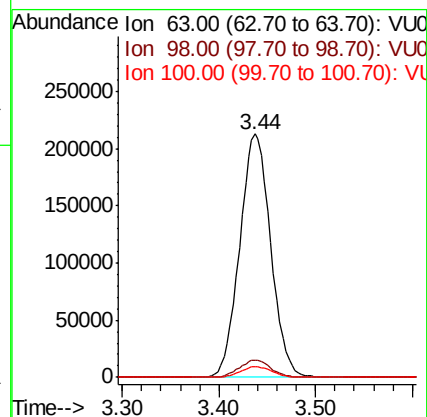
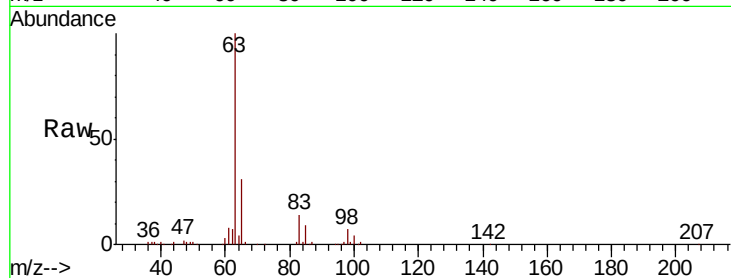


#17
 1,1-Dichloroethane
 Concen: 14.258 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

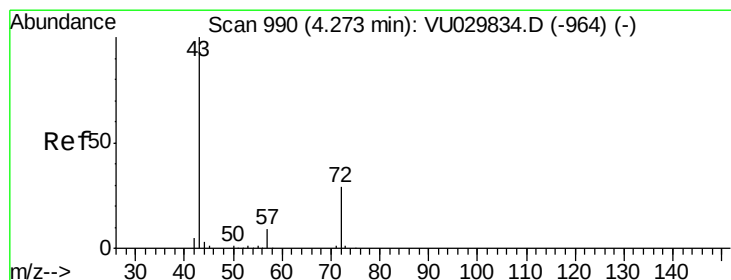
Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.4
100	4.3	2.4	7.1

Manual Integrations
 APPROVED



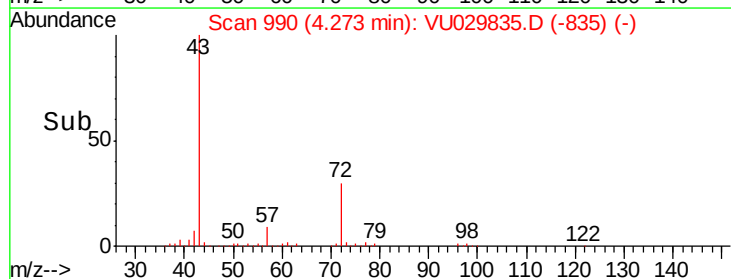
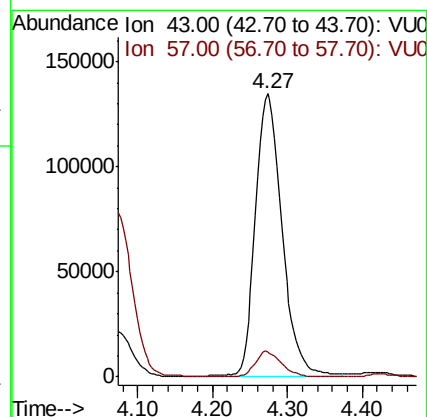
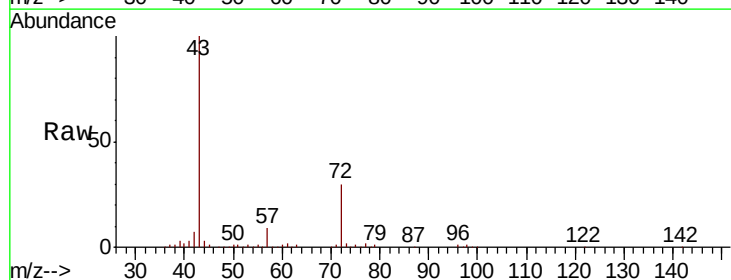
MMDadoda

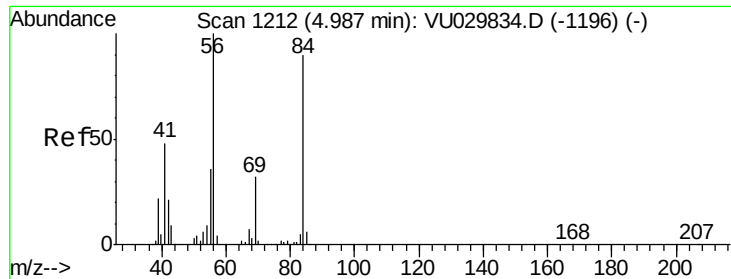
3/11/2019 4:50:18 PM



#18
 2-Butanone
 Concen: 77.856 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	0.0	18.6



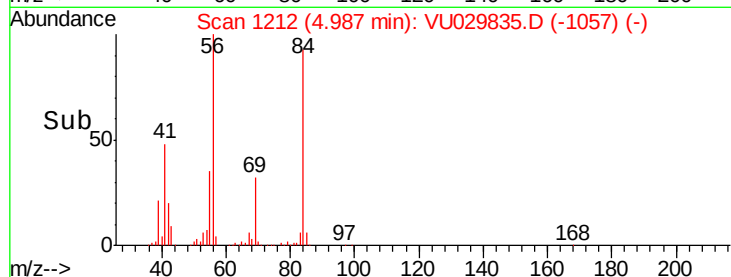
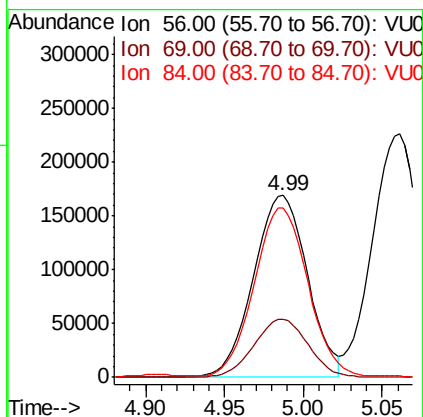
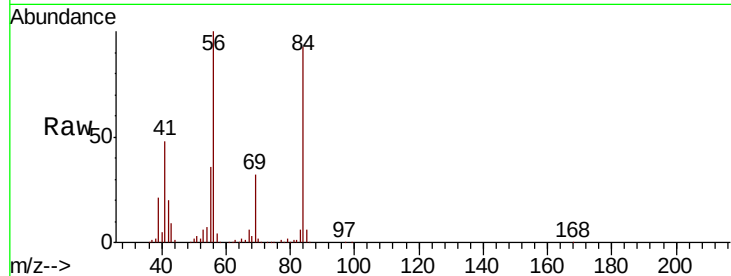


#19
Cyclohexane
Concen: 16.013 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

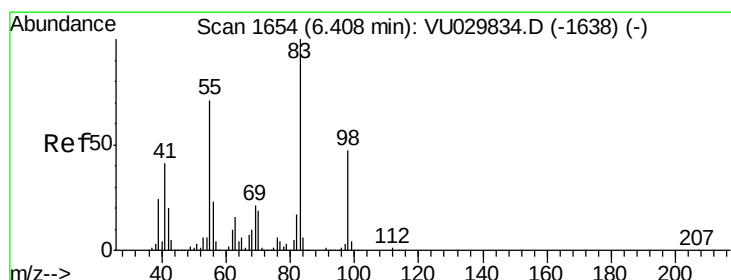
Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	29.4	44.2
84	91.4	84.6	127.0

Manual Integrations
APPROVED



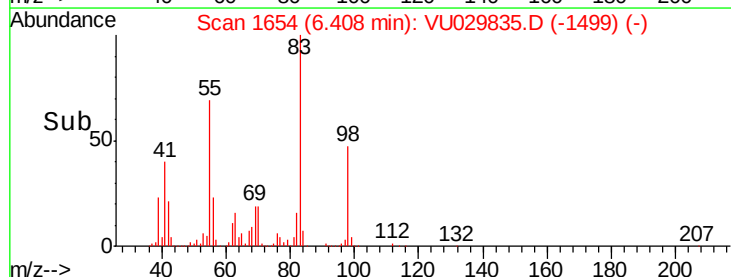
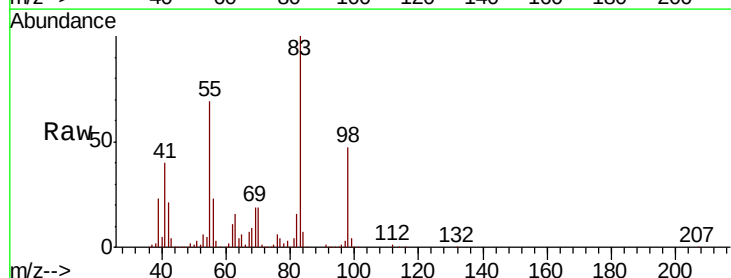
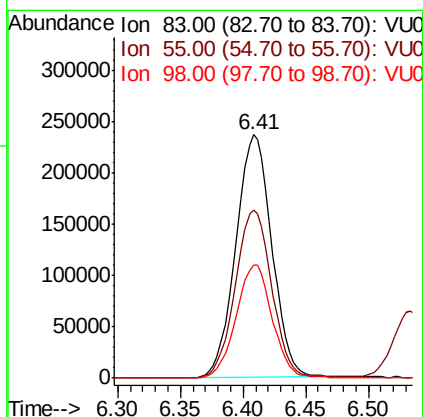
MMDadoda

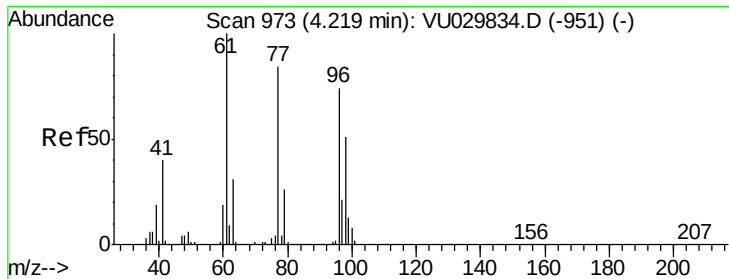
3/11/2019 4:50:18 PM



#20
Methylcyclohexane
Concen: 15.696 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.5	55.9	83.9
98	46.5	37.0	55.4





#21

2,2-Dichloropropane

Concen: 14.401 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 77 Resp: 390509

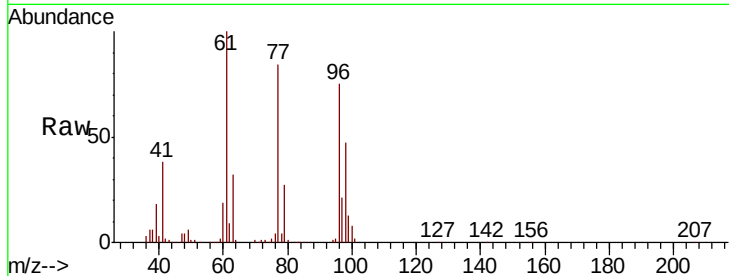
Ion Ratio Lower Upper

77 100

97 24.6 20.2 30.2

Manual Integrations

APPROVED



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

4.22

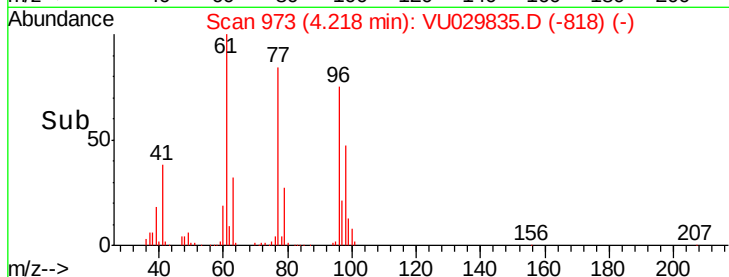
150000

100000

50000

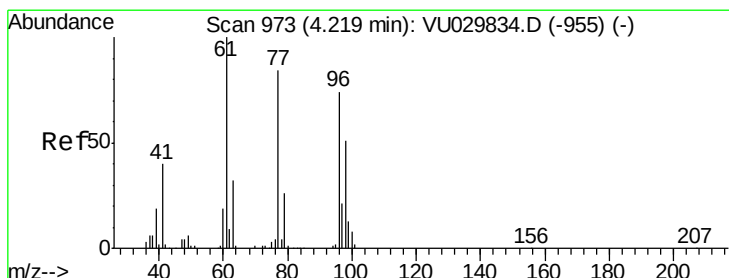
0

Time-->



MMDadoda

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#22

cis-1,2-Dichloroethene

Concen: 14.865 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

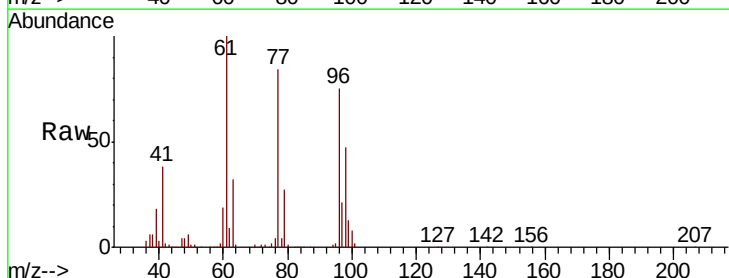
Tgt Ion: 96 Resp: 312362

Ion Ratio Lower Upper

96 100

61 135.3 0.0 339.0

98 64.5 33.1 99.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

4.22

200000

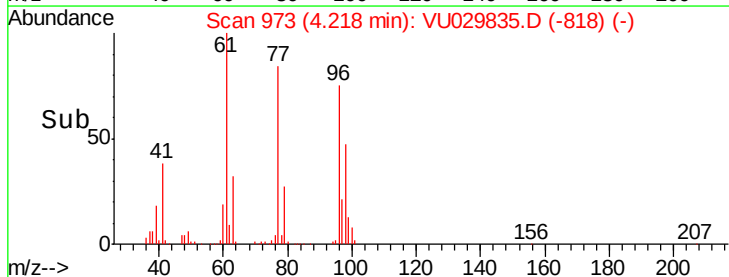
150000

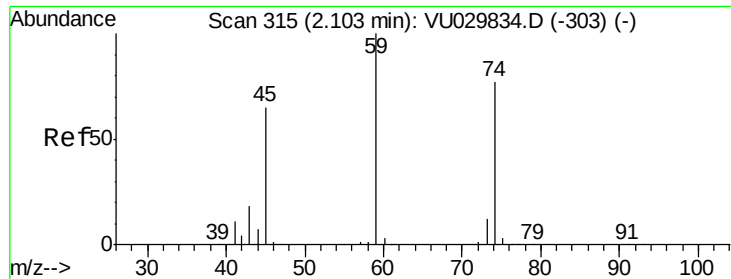
100000

50000

0

Time-->



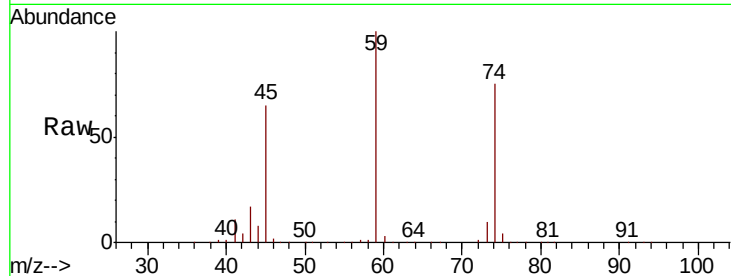


#23
Diethyl Ether
Concen: 14.720 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
59	100		
45	66.0	52.7	79.1
74	76.8	61.8	92.6

Manual Integrations
APPROVED

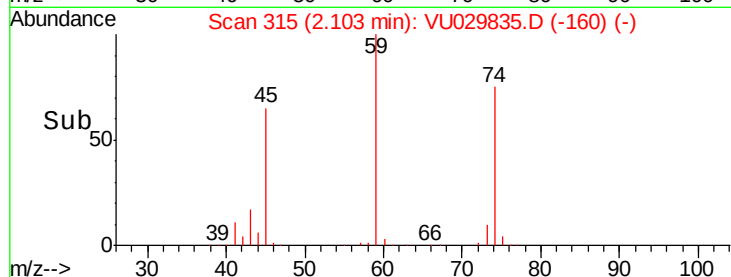
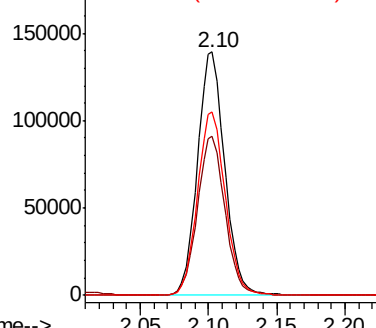


Abundance

Ion 59.00 (58.70 to 59.70): VU0

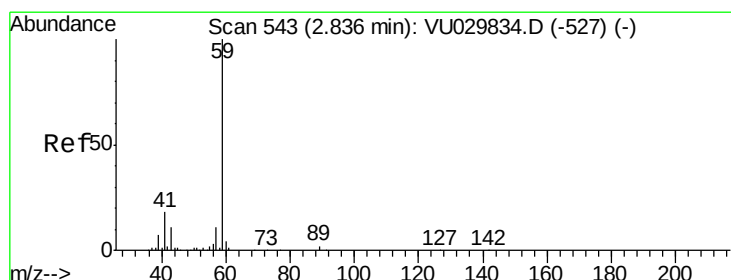
Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



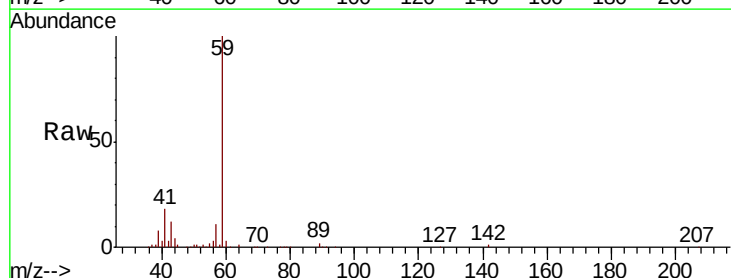
MMDadoda

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#24
tert-Butyl Alcohol
Concen: 142.794 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

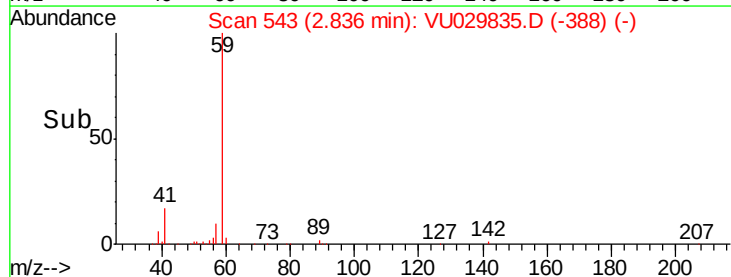
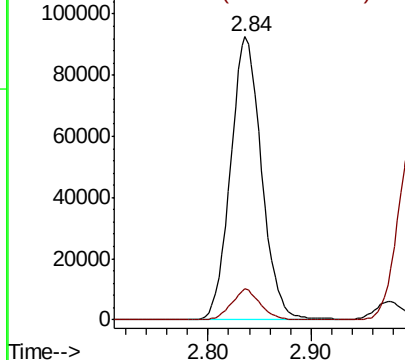
Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

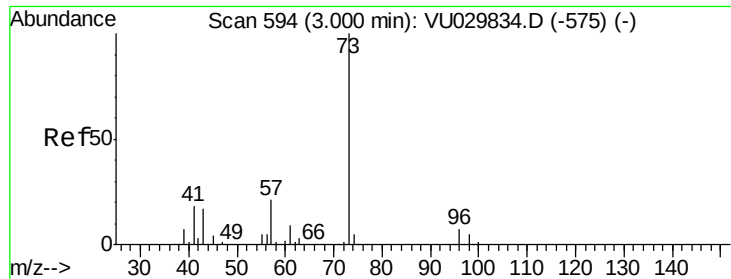


Abundance

Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



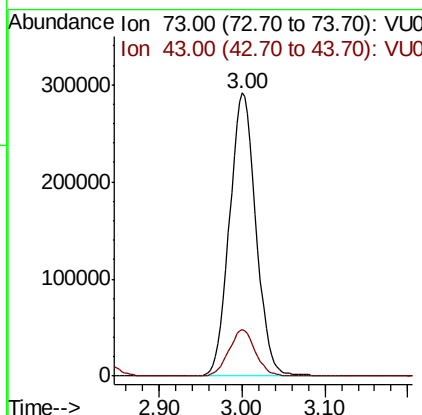
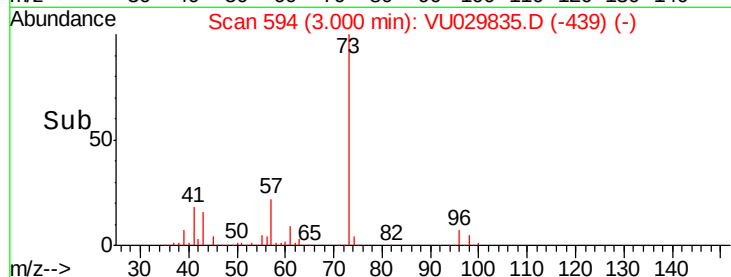
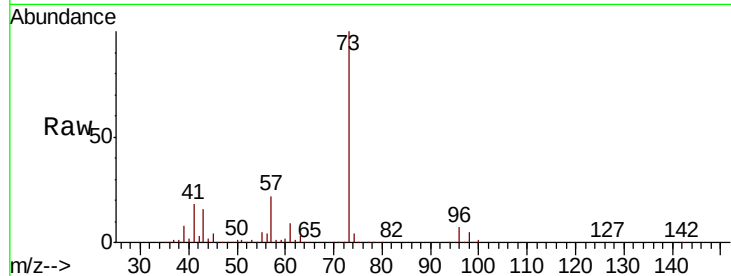


#25
Methyl tert-Butyl Ether
Concen: 14.628 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

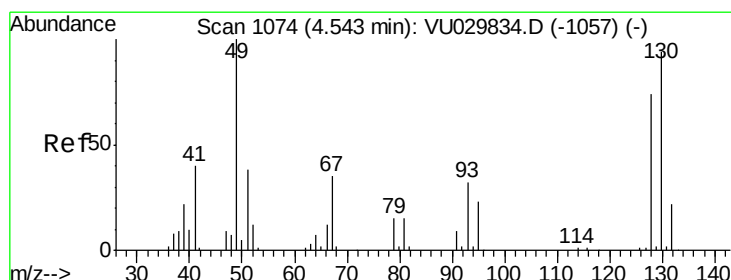
Tgt Ion: 73 Resp: 646541
Ion Ratio Lower Upper
73 100
43 16.4 13.1 19.7

Manual Integrations
APPROVED



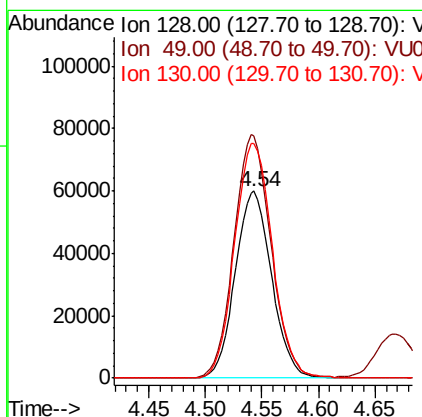
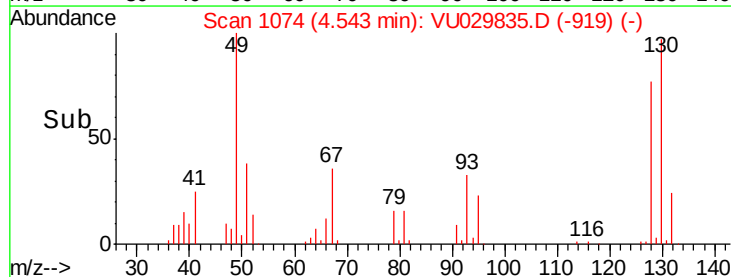
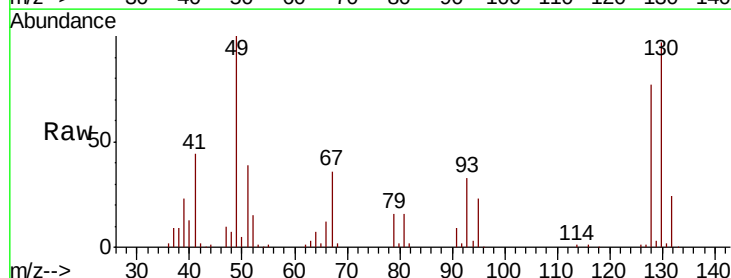
MMDadoda

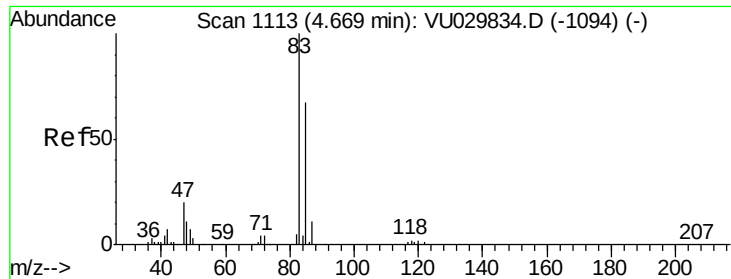
3/11/2019 4:50:18 PM



#26
Bromochloromethane
Concen: 14.425 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion: 128 Resp: 134568
Ion Ratio Lower Upper
128 100
49 132.7 0.0 270.6
130 130.2 104.2 156.4



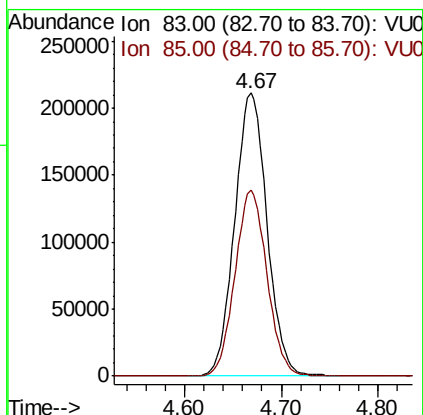
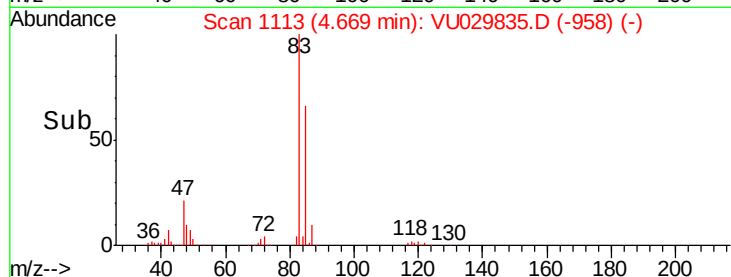
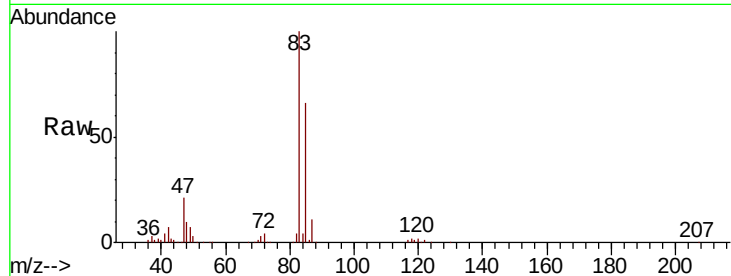


#27
Chloroform
Concen: 14.606 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

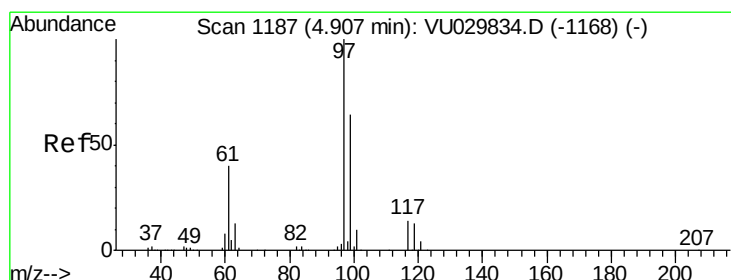
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	490654		
85	65.6	0.0	133.2	

Manual Integrations
APPROVED



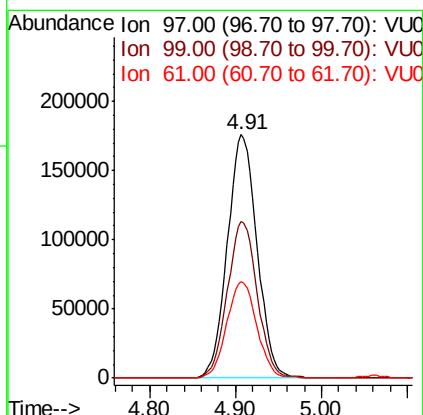
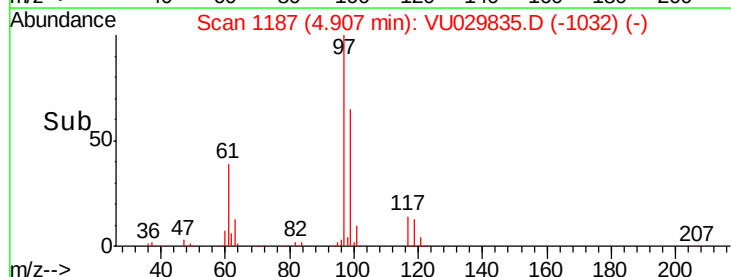
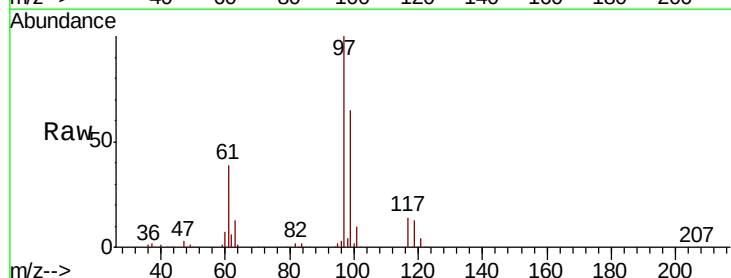
MMDadoda

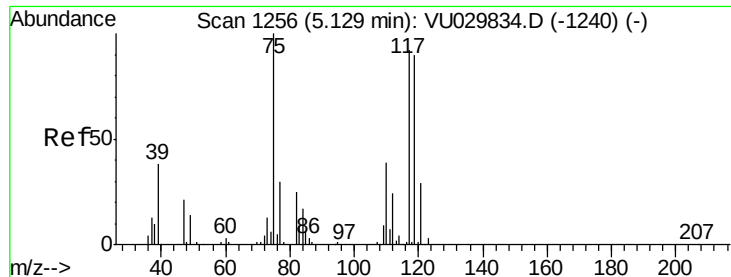
3/11/2019 4:50:18 PM



#28
1,1,1-Trichloroethane
Concen: 14.833 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	422477		
99	64.7	31.9	95.9	
61	40.2	20.4	61.3	



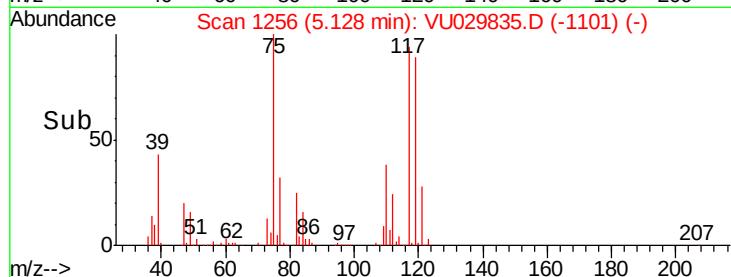
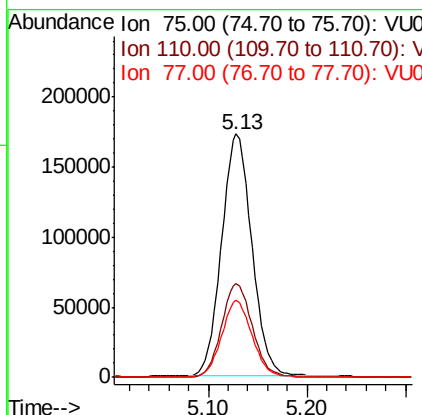
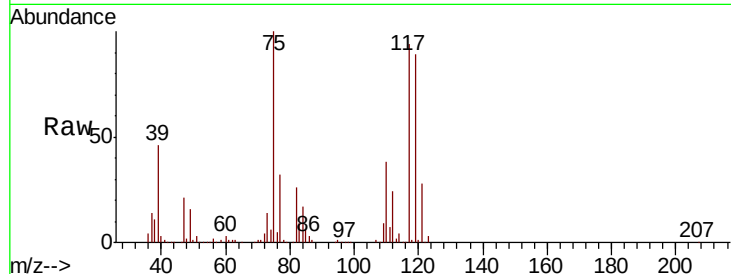


#29
1,1-Dichloropropene
Concen: 14.707 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

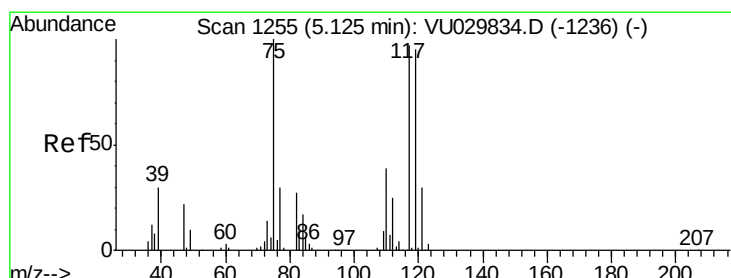
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	372251		
110	39.5	19.1	57.5	
77	31.1	23.9	35.9	

Manual Integrations
APPROVED



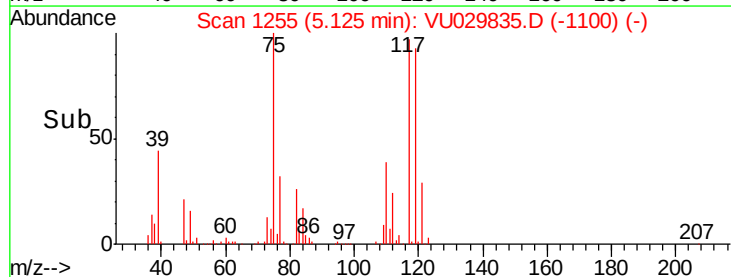
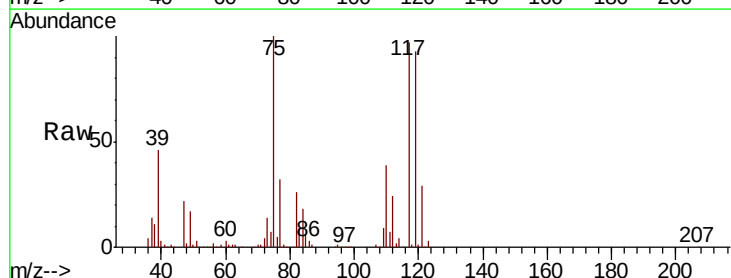
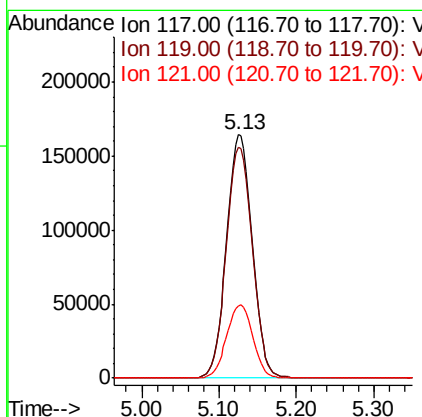
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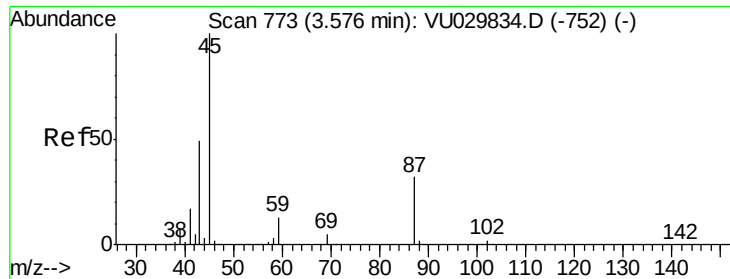
3/11/2019 4:50:18 PM



#30
Carbon Tetrachloride
Concen: 15.239 ug/l
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	378676		
119	95.0	78.4	117.6	
121	29.9	25.0	37.4	





#31

Isopropyl Ether

Concen: 14.773 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

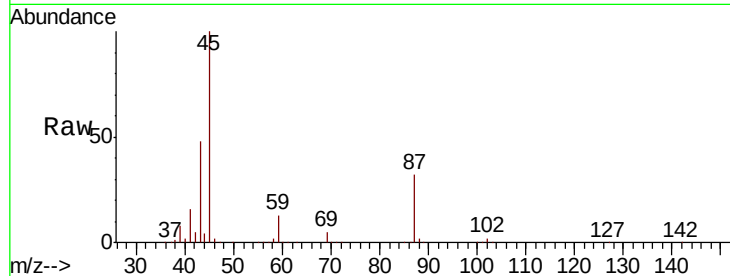
Tgt Ion: 45 Resp: 675945

Ion Ratio Lower Upper

45 100

43 48.4 24.3 72.9

Manual Integrations
APPROVED



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-752) (-)

3.58

250000

200000

150000

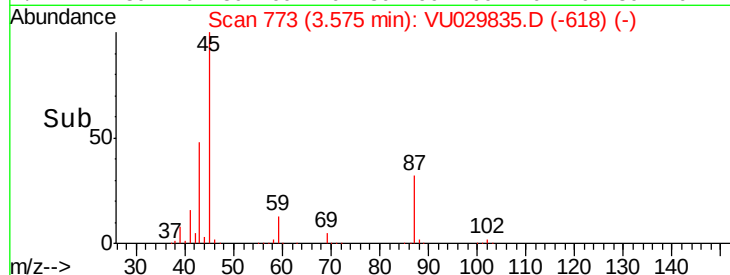
100000

50000

0

3.50 3.60 3.70

Time-->



#32

Ethyl-t-butyl ether

Concen: 15.247 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Tgt Ion: 59 Resp: 678147

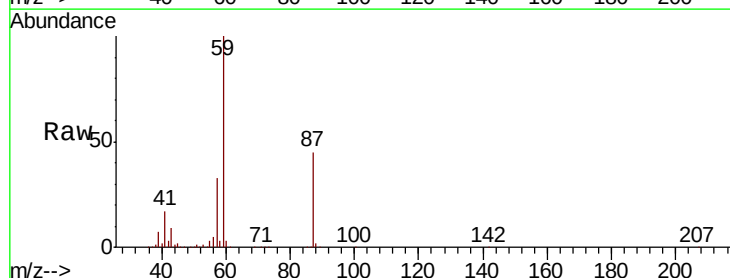
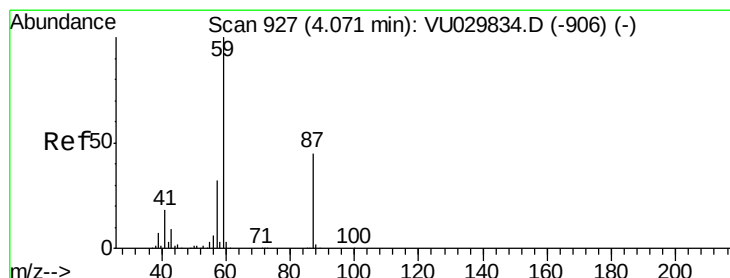
Ion Ratio Lower Upper

59 100

87 44.9 36.2 54.4

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Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029834.D (-906) (-)

4.07

250000

200000

150000

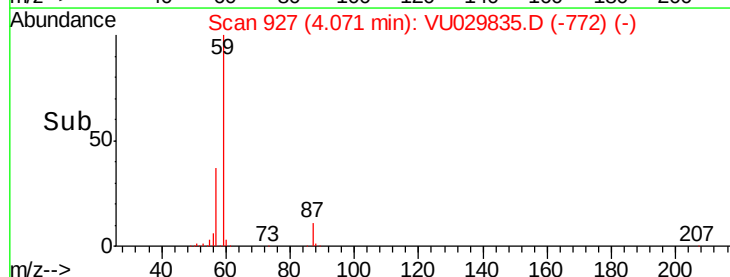
100000

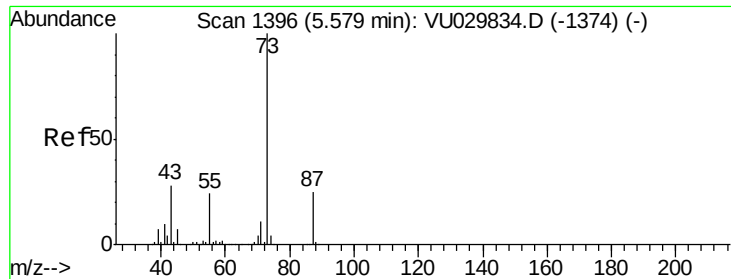
50000

0

4.00 4.10 4.20

Time-->



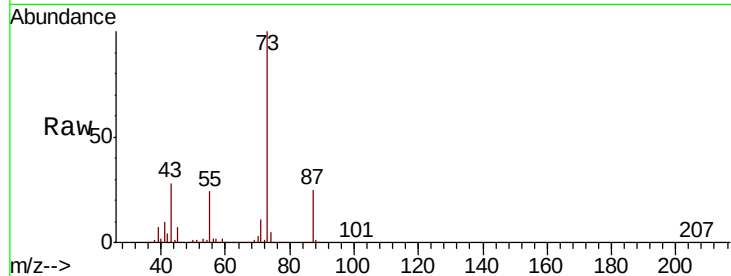


#33
Tert-Amyl methyl ether
Concen: 15.466 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

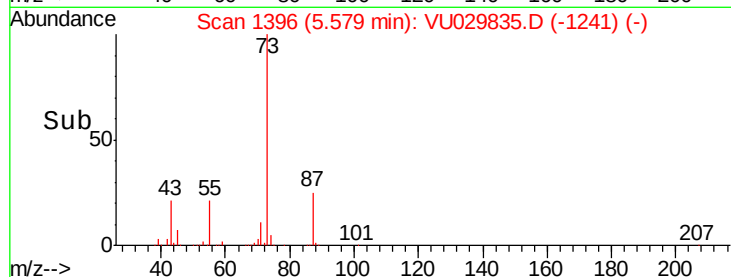
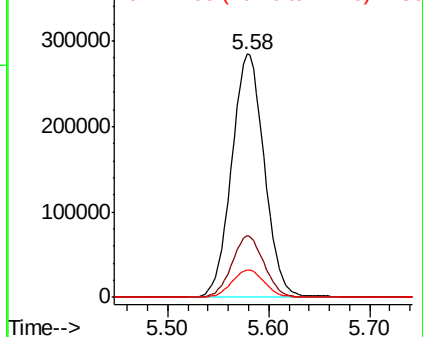
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.7	29.5
71	11.6	9.4	14.2

Manual Integrations
APPROVED

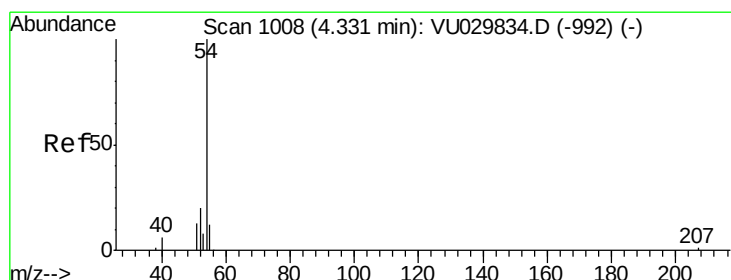


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



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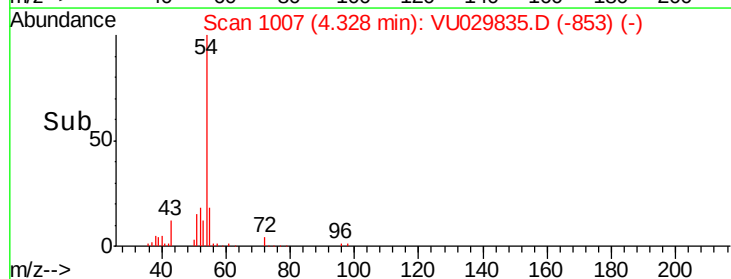
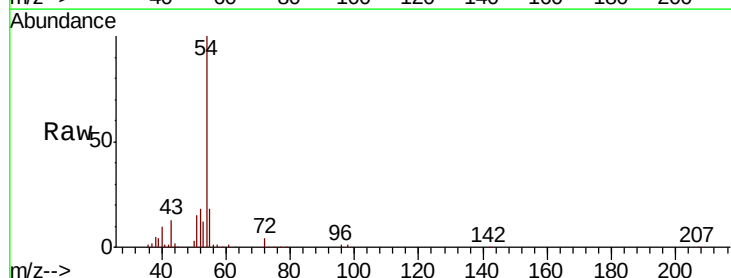
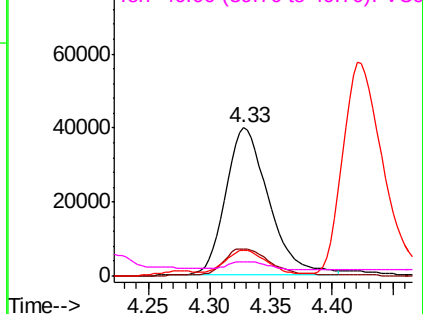
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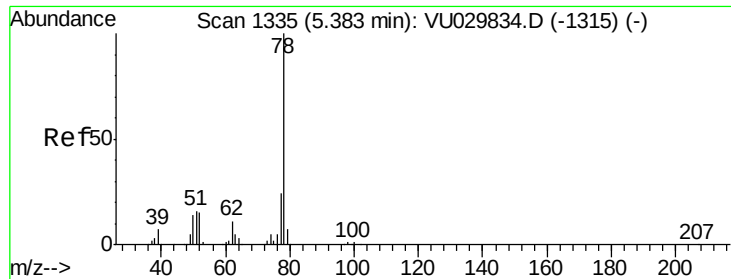


#34
Propionitrile
Concen: 75.560 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.2	16.1	24.1
55	15.6	11.2	16.8
40	5.6	4.7	7.1

Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 14.942 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 78 Resp: 1114084

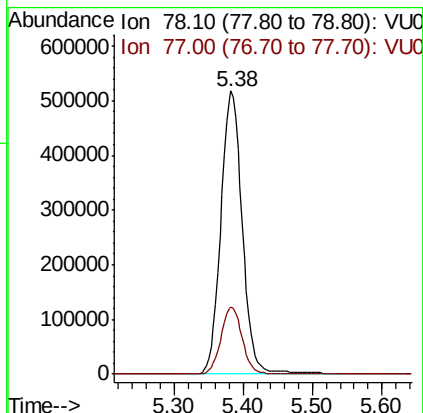
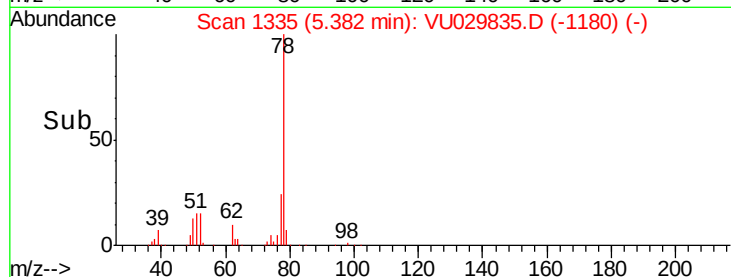
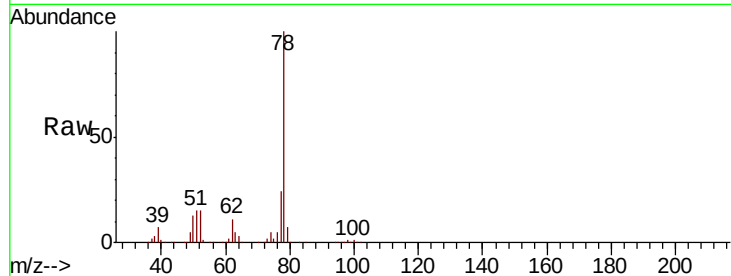
Ion Ratio Lower Upper

78 100

77 23.8 19.2 28.8

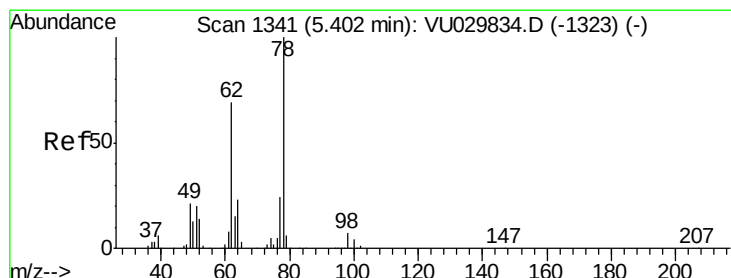
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 14.469 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029835.D

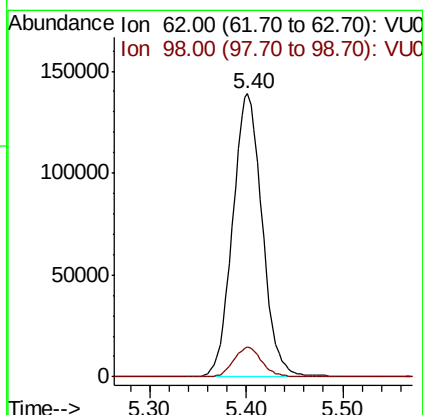
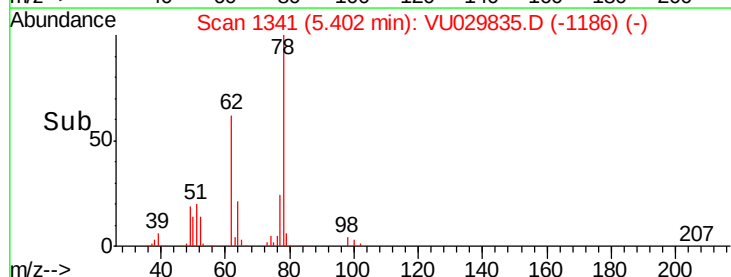
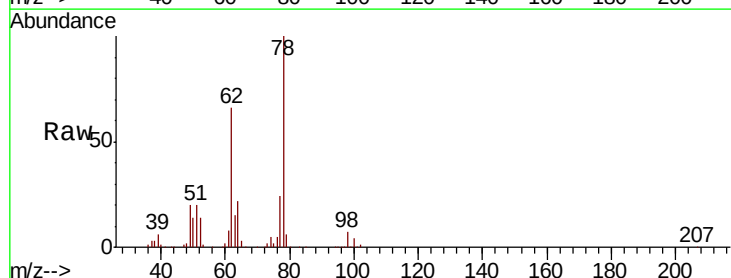
Acq: 06 Mar 2019 11:41

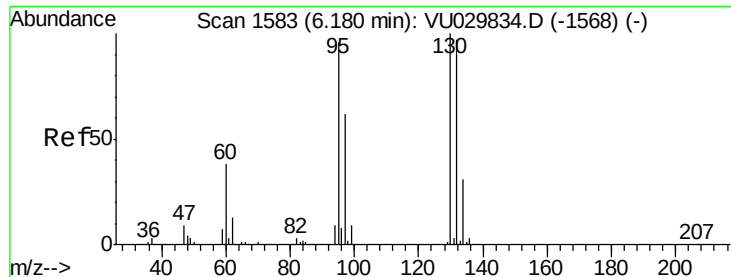
Tgt Ion: 62 Resp: 294662

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.2



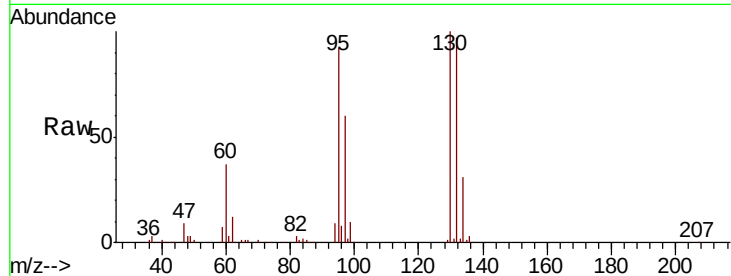


#37
 Trichloroethene
 Concen: 14.792 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

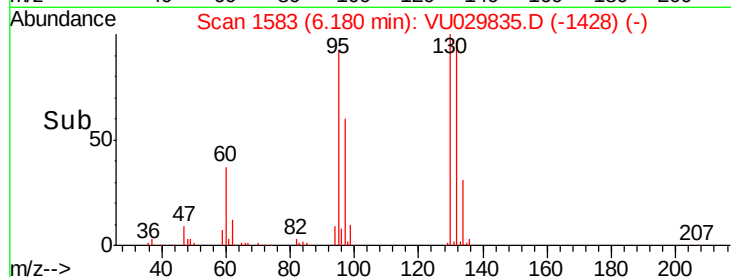
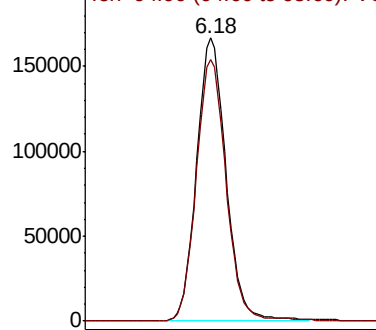
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion: 130 Resp: 322030
 Ion Ratio Lower Upper
 130 100
 95 92.4 76.6 114.8

Manual Integrations
 APPROVED

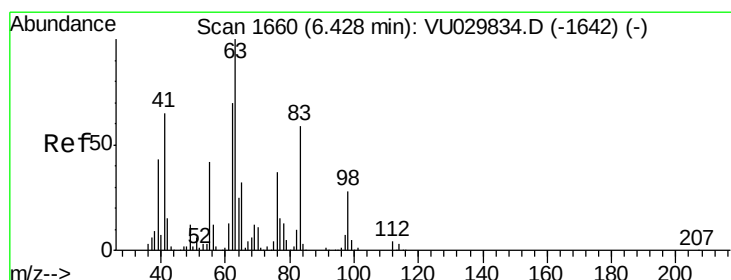


Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU029834.D (-1568) (-)



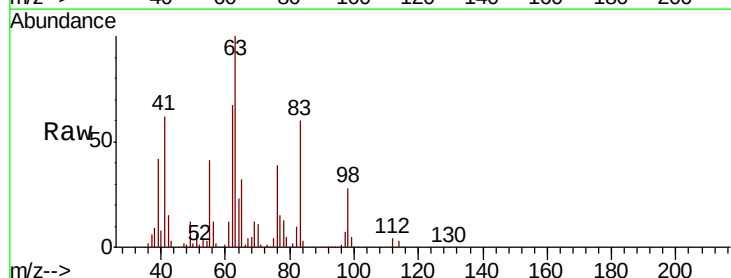
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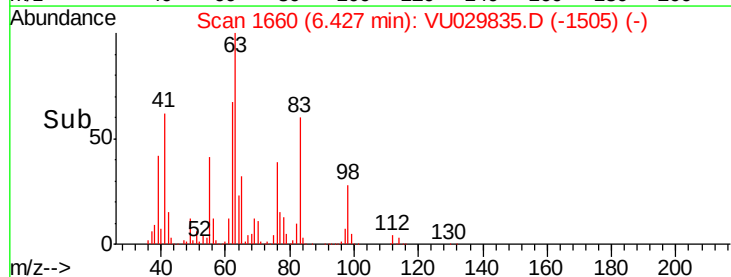
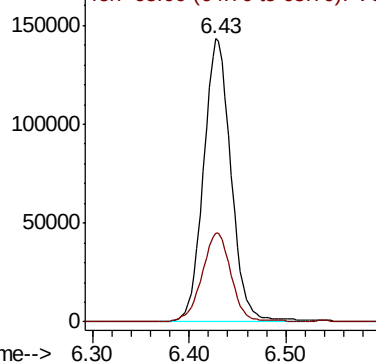


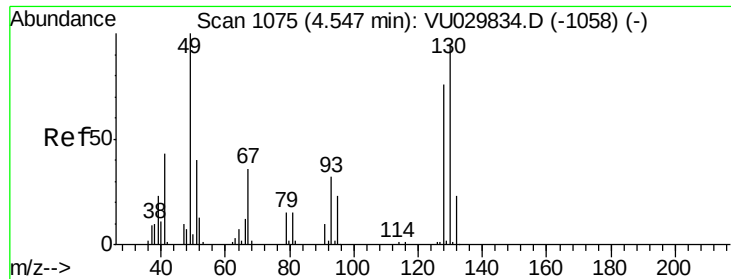
#38
 1,2-Dichloropropane
 Concen: 15.011 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion: 63 Resp: 283306
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.2



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



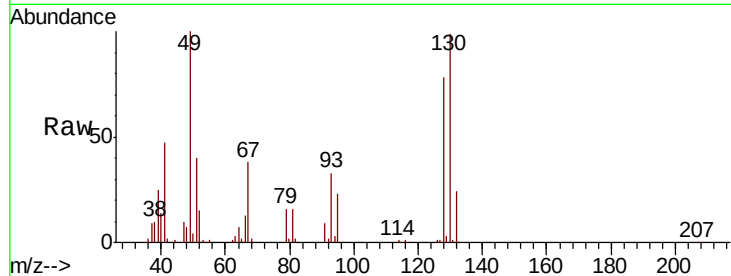


#39
Methacrylonitrile
Concen: 15.226 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

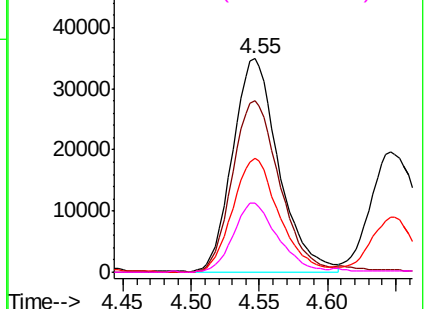
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
41	100		
67	81.4	68.4	102.6
39	53.9	42.6	63.8
52	31.2	26.2	39.4

Manual Integrations
APPROVED

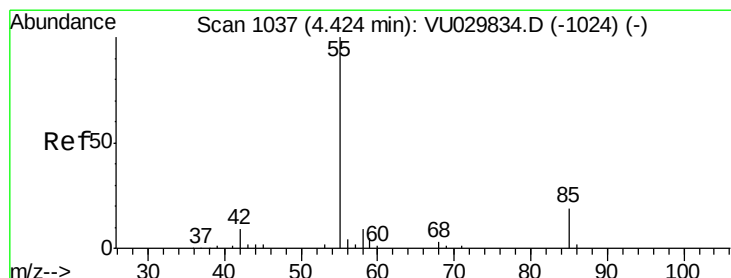
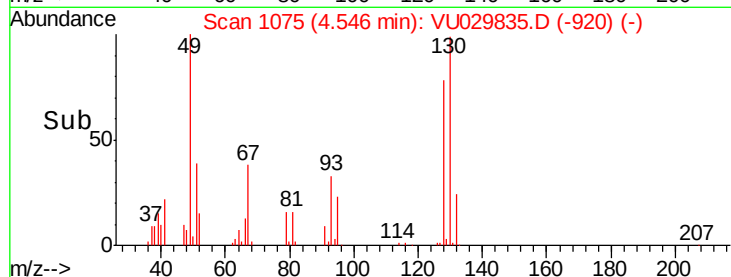


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



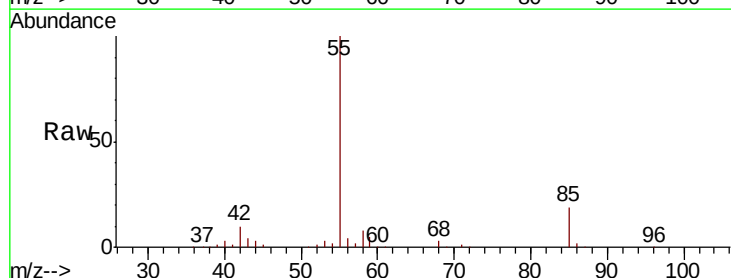
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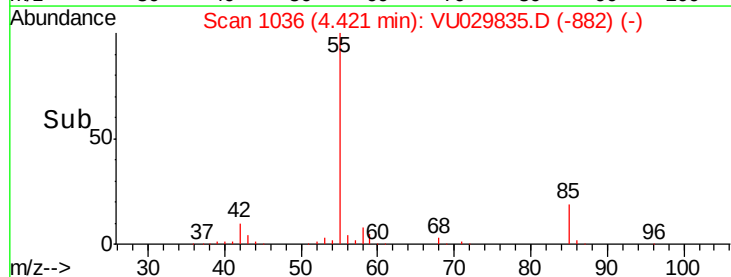
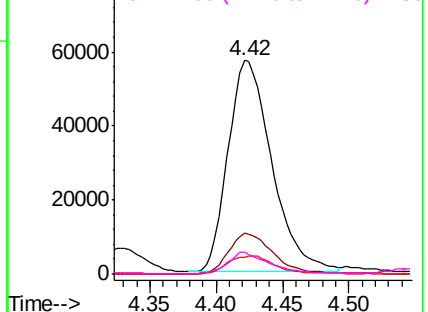


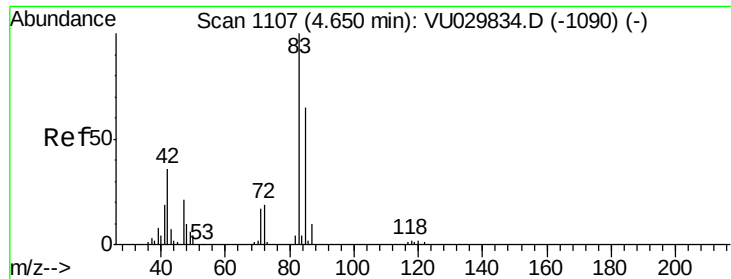
#40
Methyl acrylate
Concen: 15.439 ug/l
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
55	100		
85	19.3	15.2	22.8
58	9.3	7.6	11.4
42	9.4	7.5	11.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 28.929 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

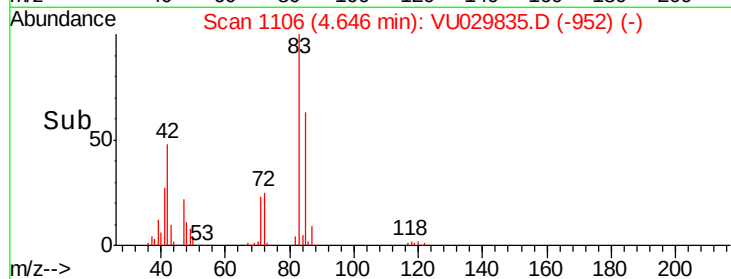
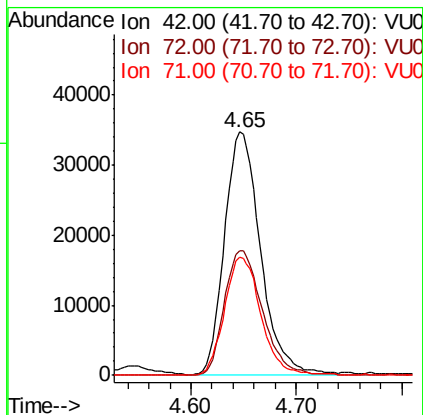
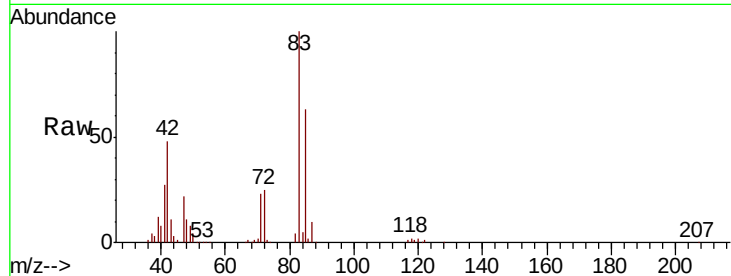
MSVOA_U

ClientSampleId :

VSTDIC015

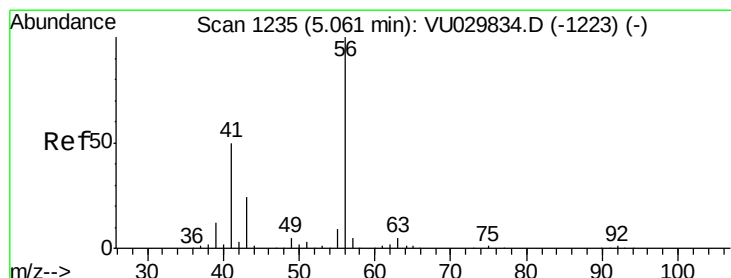
Tgt Ion:	42	Resp:	81557
Ion	Ratio	Lower	Upper
42	100		
72	54.4	43.6	65.4
71	49.5	37.5	56.3

Manual Integrations
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#42

1-Chlorobutane

Concen: 15.661 ug/l

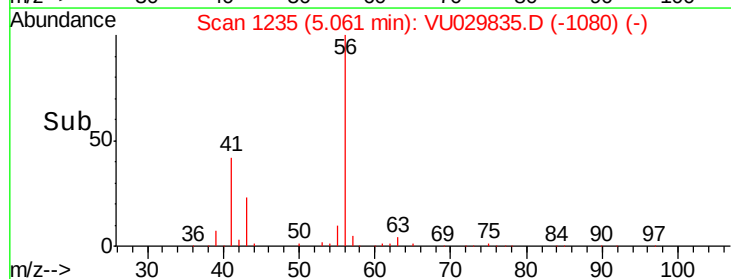
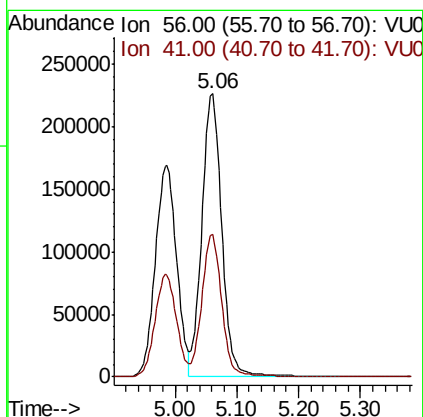
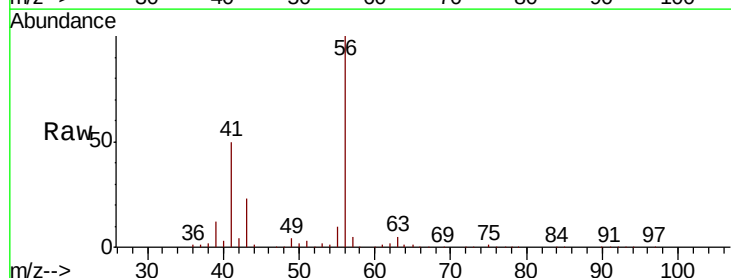
RT: 5.06 min Scan# 1235

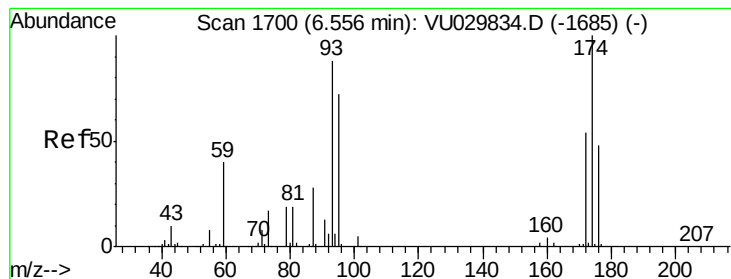
Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Tgt Ion:	56	Resp:	506432
Ion	Ratio	Lower	Upper
56	100		
41	48.5	25.0	75.0





#43

Dibromomethane

Concen: 14.908 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

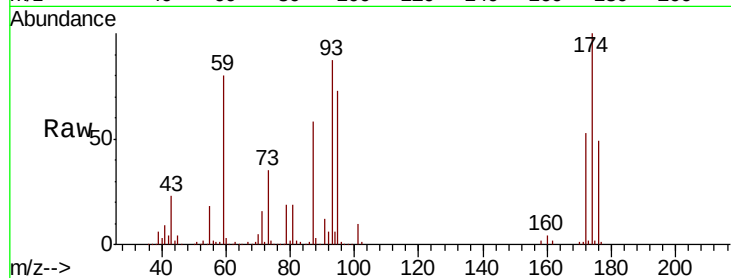
Tgt Ion: 93 Resp: 145832
Ion Ratio Lower Upper

93 100

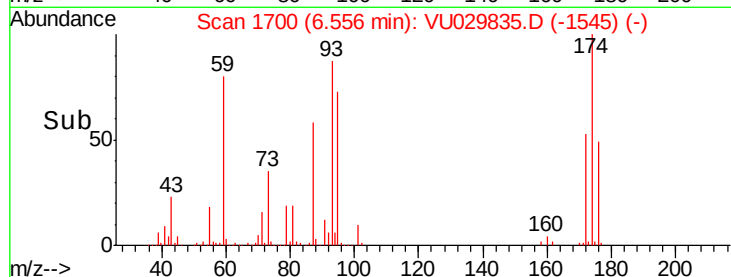
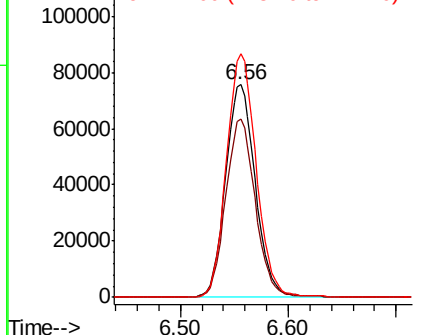
95 83.4 67.0 100.6

174 114.3 91.4 137.2

Manual Integrations
APPROVED

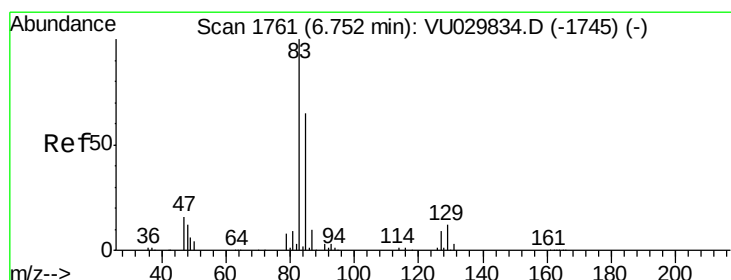


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



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#44

Bromodichloromethane

Concen: 14.935 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029835.D

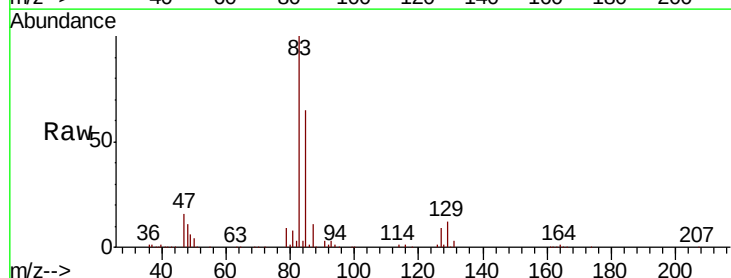
Acq: 06 Mar 2019 11:41

Tgt Ion: 83 Resp: 358782
Ion Ratio Lower Upper

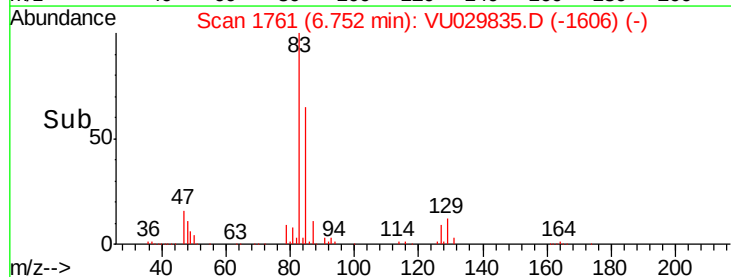
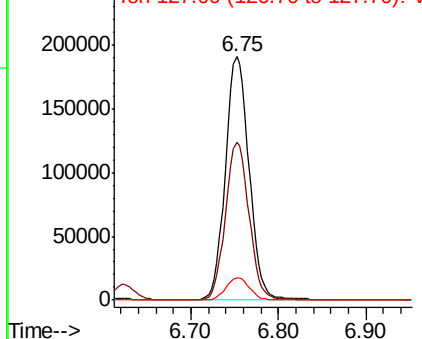
83 100

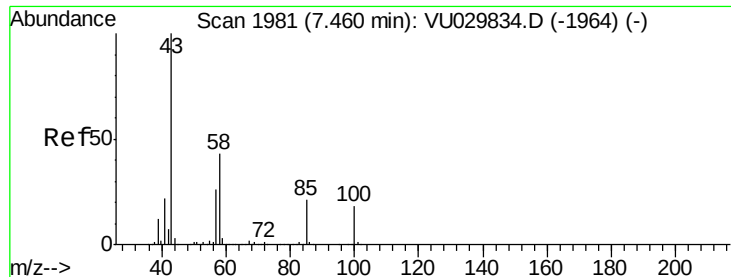
85 64.9 51.7 77.5

127 9.2 7.4 11.2



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



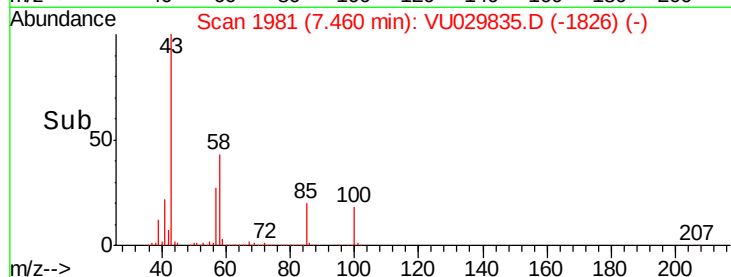
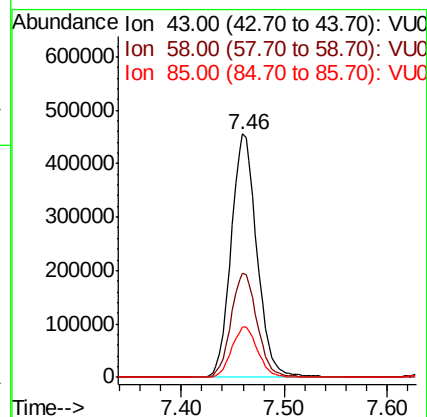
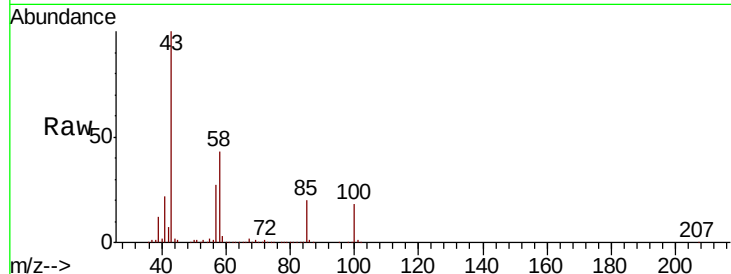


#45
4-Methyl-2-Pentanone
Concen: 77.985 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

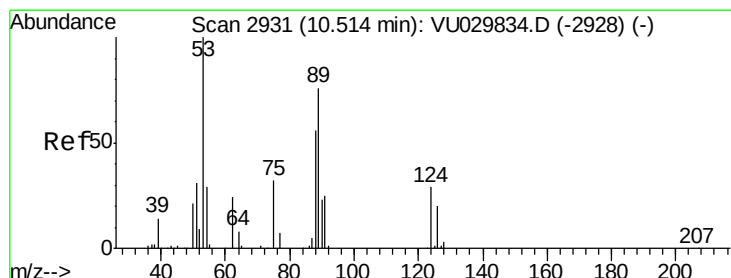
Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.3	21.6	65.0
85	20.9	16.5	24.7

Manual Integrations
APPROVED



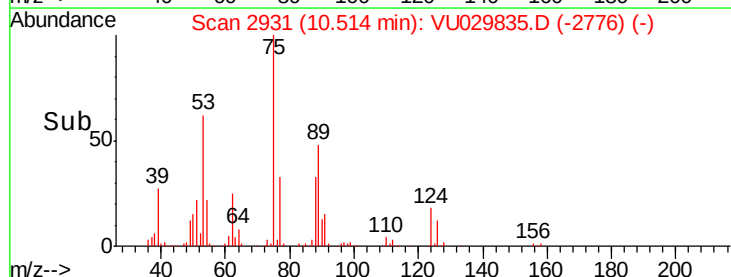
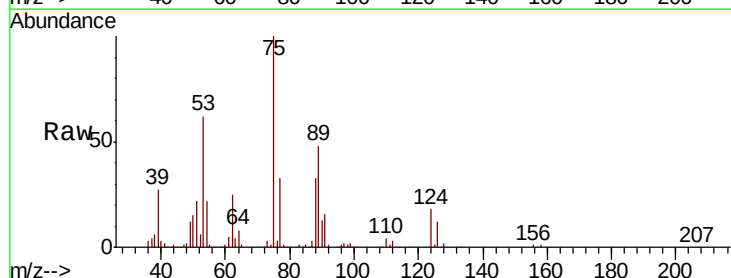
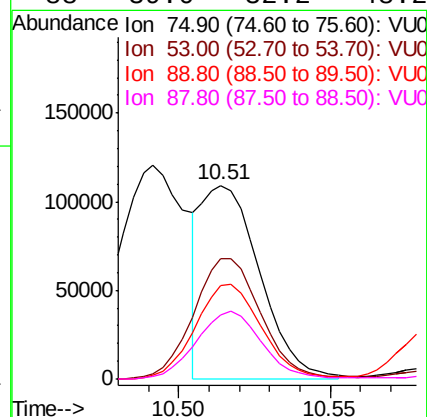
MMDadoda

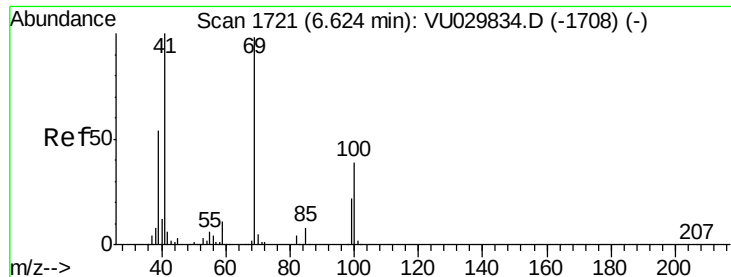
3/11/2019 4:50:18 PM



#46
t-1,4-Dichloro-2-butene
Concen: 33.139 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	71.6	59.2	88.8
89	55.4	44.9	67.3
88	39.0	32.2	48.2





#47

Methyl methacrylate

Concen: 32.202 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

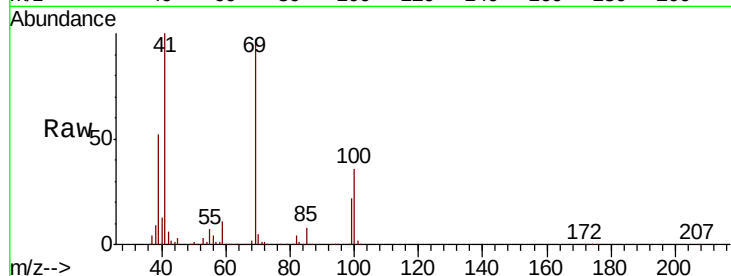
MSVOA_U

ClientSampleId :

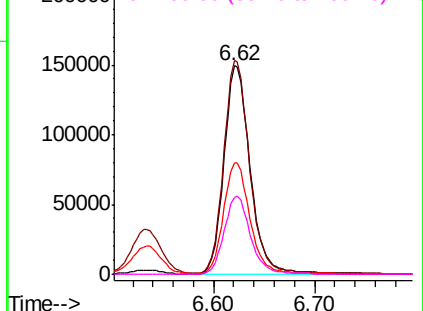
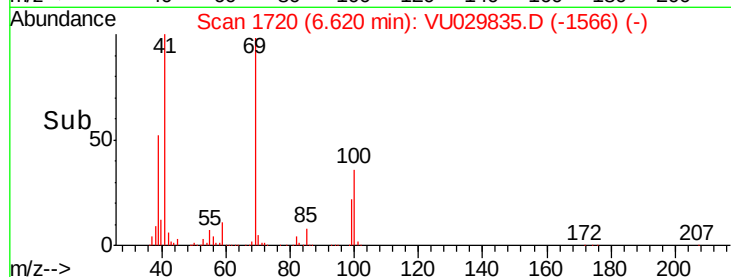
VSTDIC015

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	100.9	0.0	201.0	
39	53.3	43.3	64.9	
100	37.8	31.5	47.3	

Manual Integrations
APPROVED

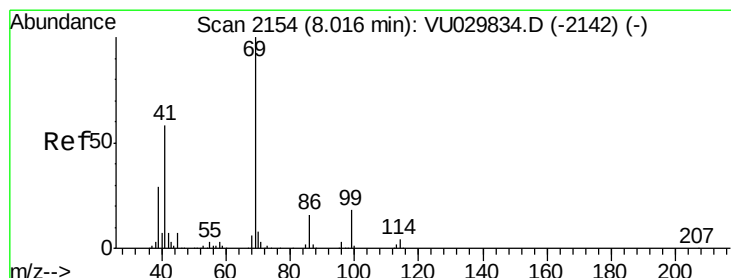


Abundance Ion 69.00 (68.70 to 69.70): VU029835.D (-1566) (-)



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#48

Ethyl methacrylate

Concen: 17.059 ug/l

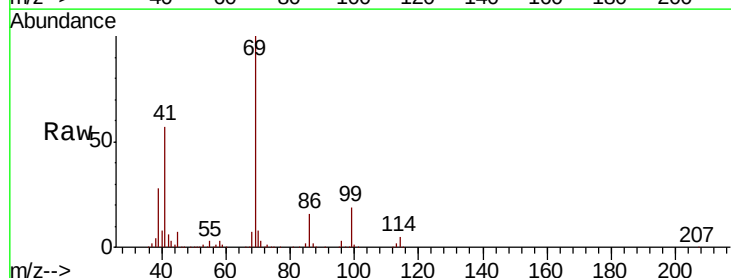
RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

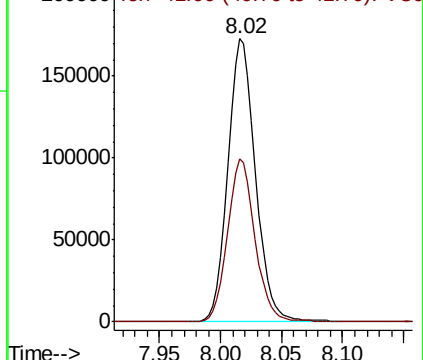
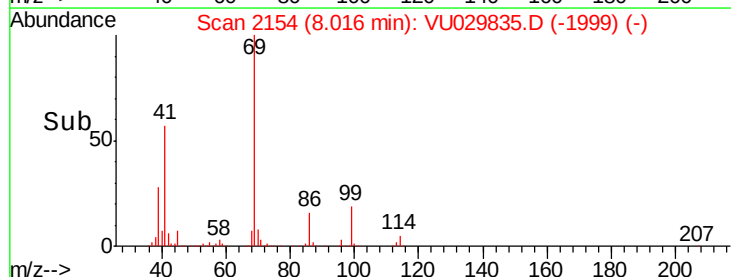
Lab File: VU029835.D

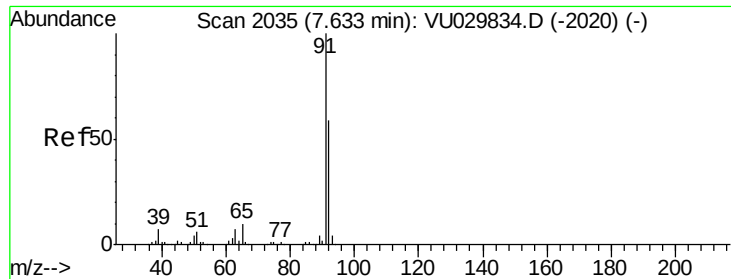
Acq: 06 Mar 2019 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	57.1	29.0	87.1	



Abundance Ion 69.00 (68.70 to 69.70): VU029835.D (-1999) (-)





#49

Toluene

Concen: 15.647 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 92 Resp: 716509

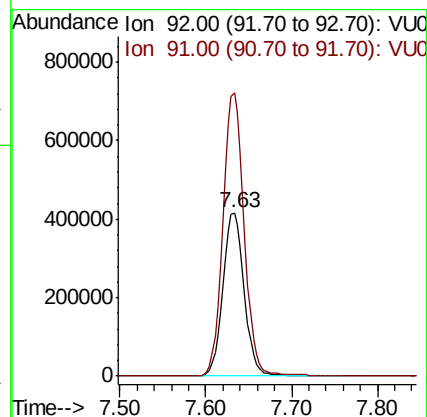
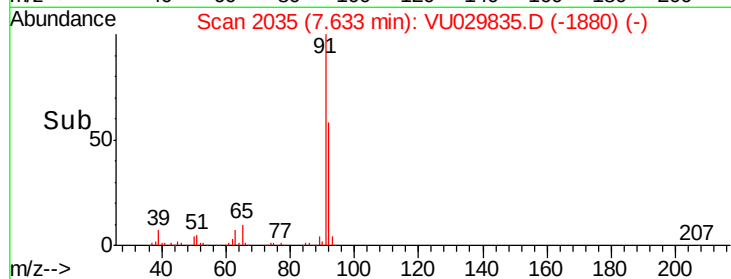
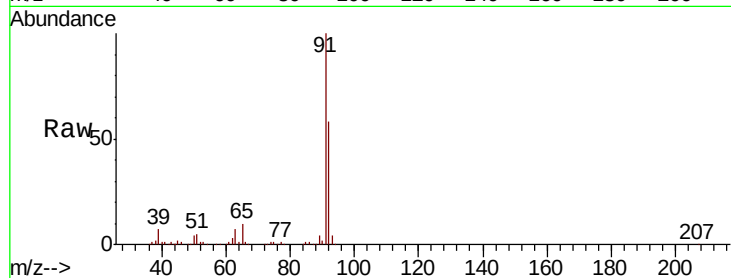
Ion Ratio Lower Upper

92 100

91 173.3 137.8 206.8

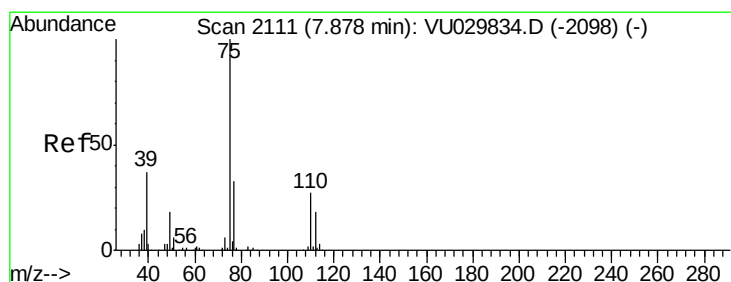
Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 16.052 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029835.D

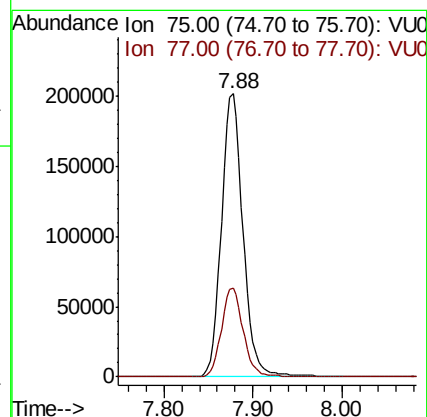
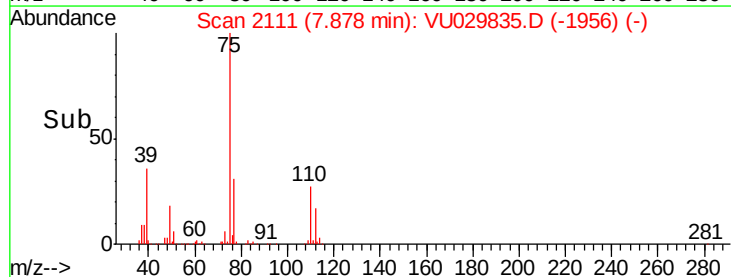
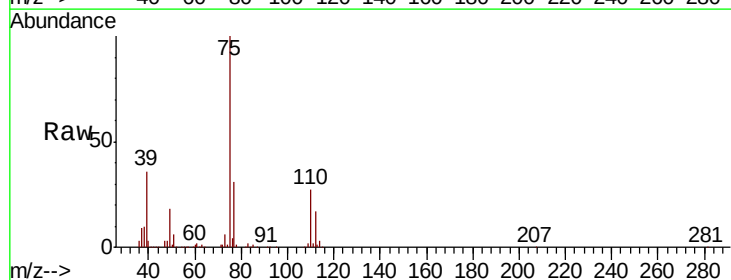
Acq: 06 Mar 2019 11:41

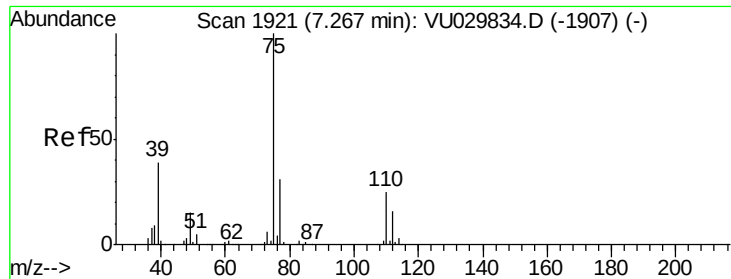
Tgt Ion: 75 Resp: 337945

Ion Ratio Lower Upper

75 100

77 31.4 26.4 39.6



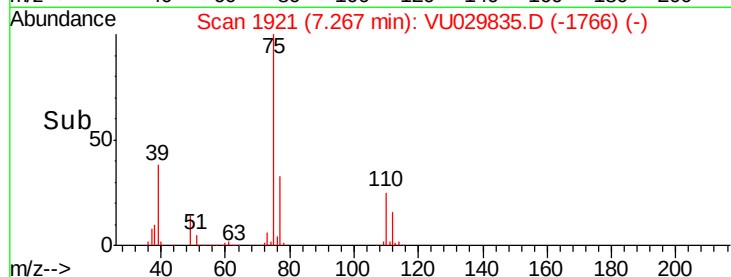
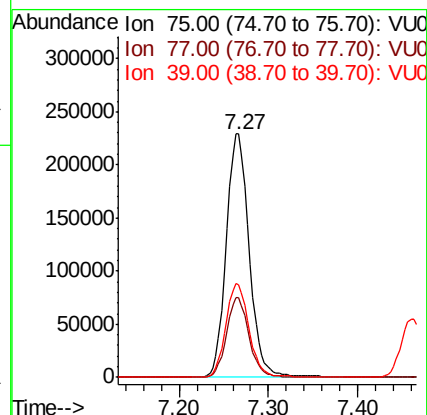
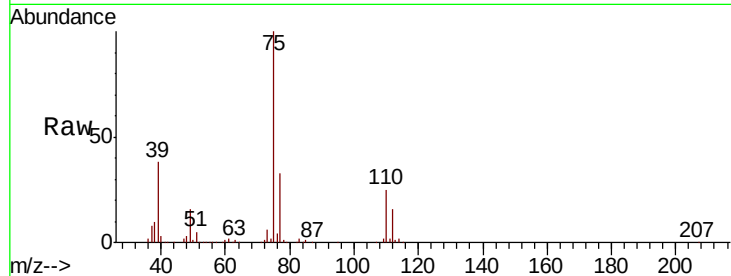


#51
 cis-1,3-Dichloropropene
 Concen: 15.681 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

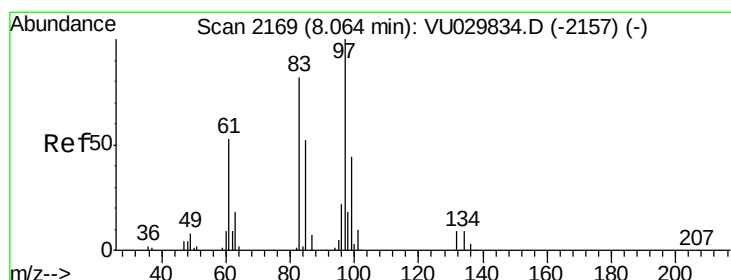
Tgt Ion:	75	Resp:	408678
Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.9	37.3
39	38.2	30.8	46.2

Manual Integrations
 APPROVED



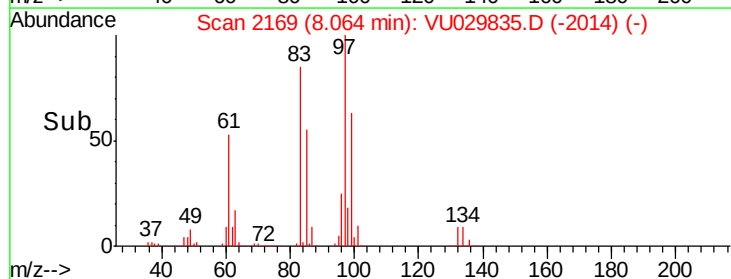
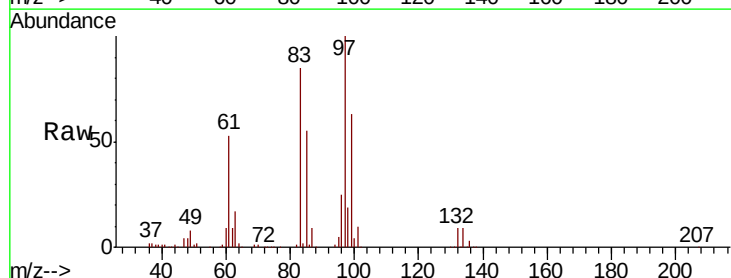
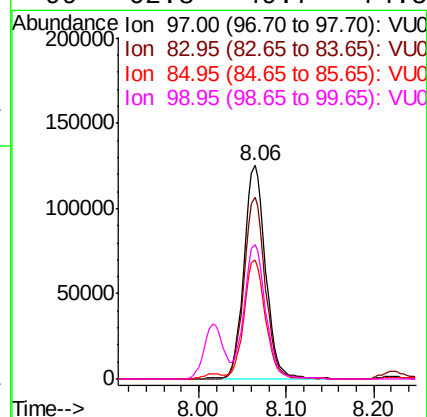
MMDadoda

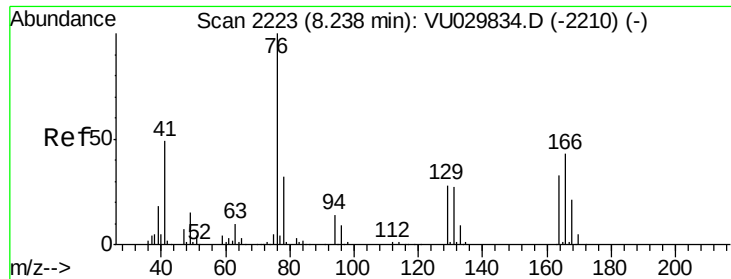
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#52
 1,1,2-Trichloroethane
 Concen: 14.932 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion:	97	Resp:	216201
Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.9	98.9
85	55.3	43.0	64.6
99	62.8	49.7	74.5



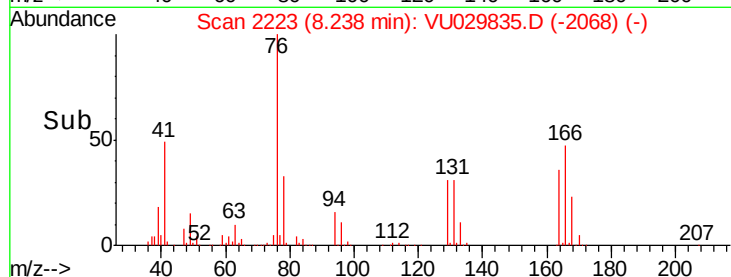
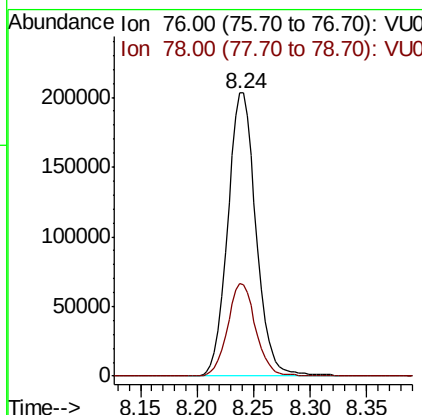
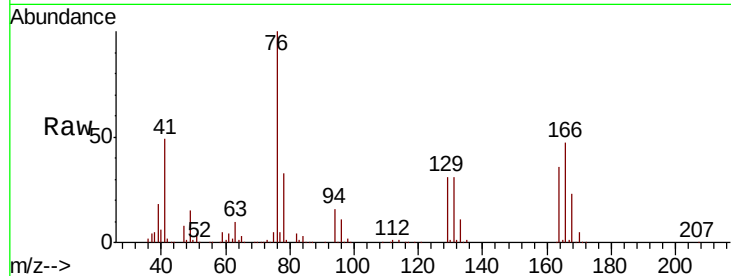


#53
 1,3-Dichloropropane
 Concen: 14.911 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

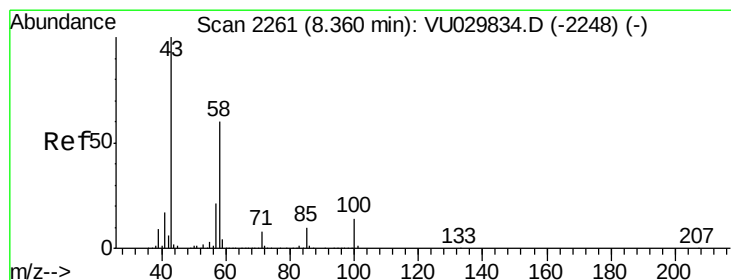
Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

Manual Integrations
 APPROVED



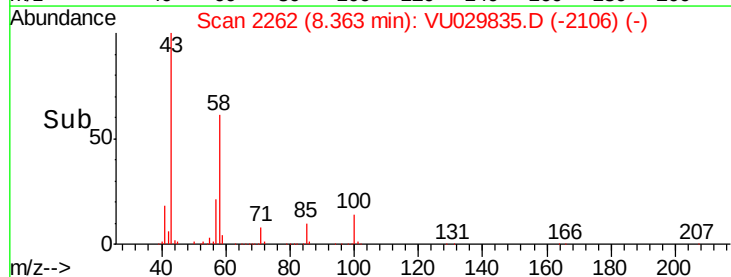
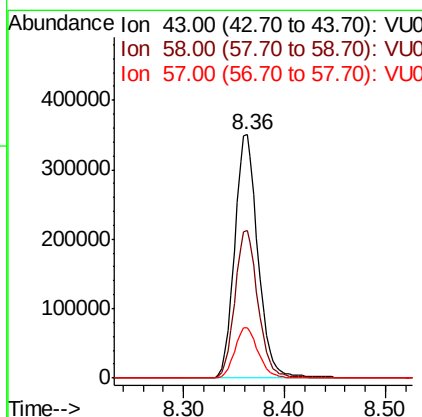
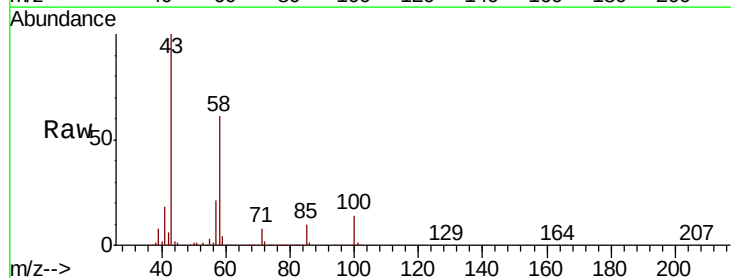
MMDadoda

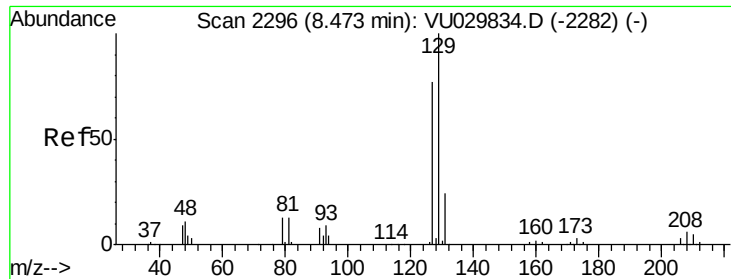
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#54
 2-Hexanone
 Concen: 79.576 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	60.3	39.6	79.6
57	21.1	0.5	40.5



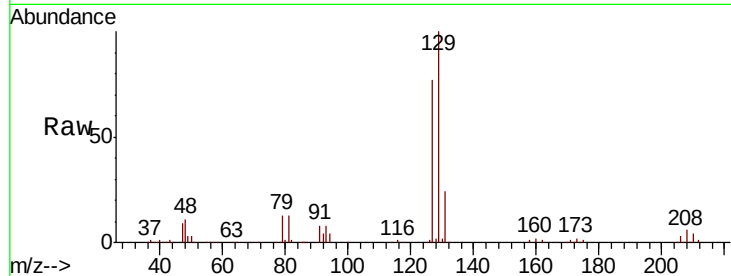


#55
Dibromochloromethane
Concen: 15.742 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

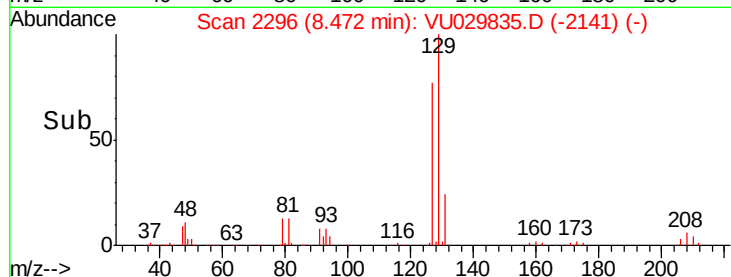
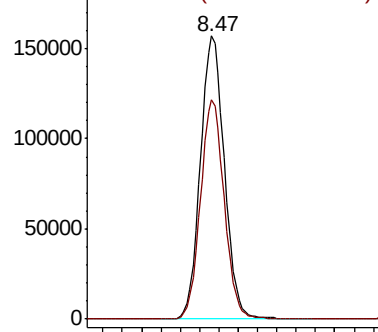
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	61.6	92.4

Manual Integrations
APPROVED



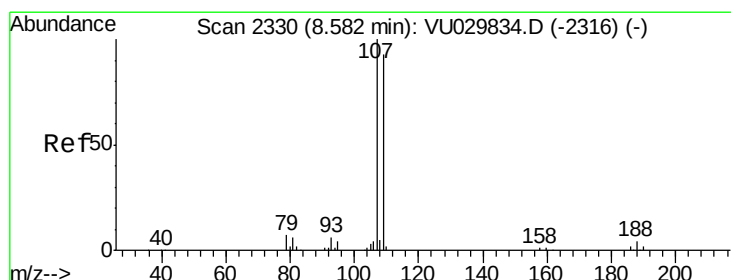
Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



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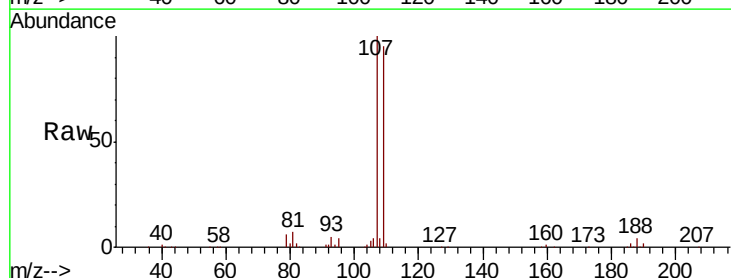
3/11/2019 4:50:18 PM

Time-->

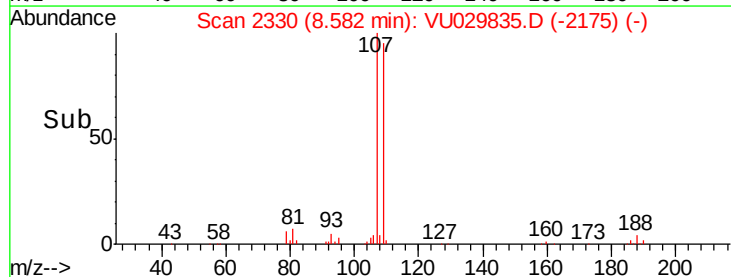
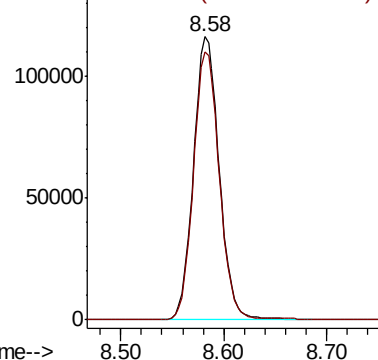


#56
1,2-Dibromoethane
Concen: 14.651 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

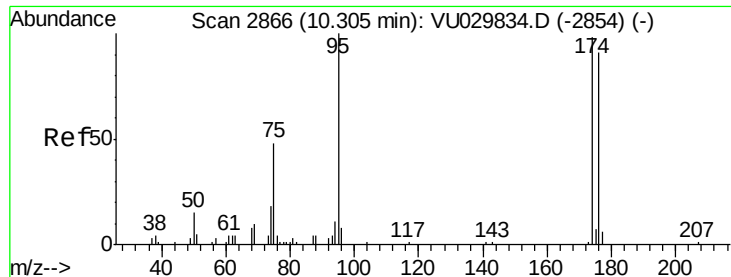
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	0.0	188.4



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V



Time-->

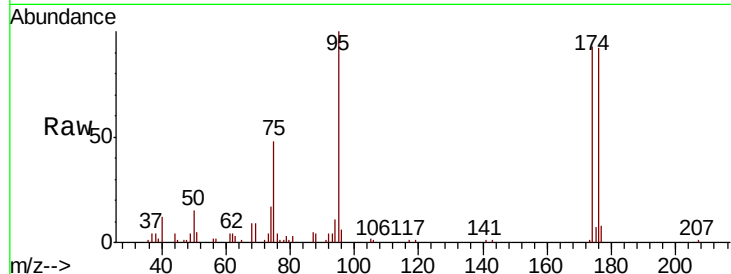


#57
4-Bromofluorobenzene
Concen: 14.651 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	76.5	114.7
176	94.9	74.2	111.2

Manual Integrations
APPROVED

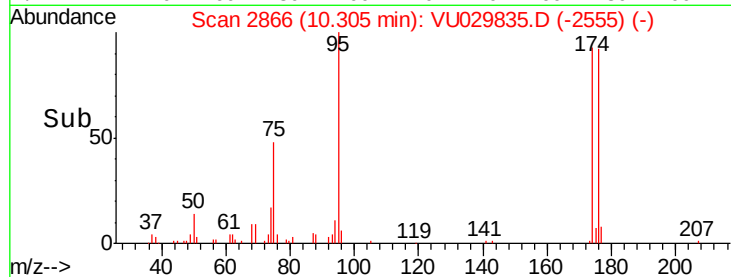
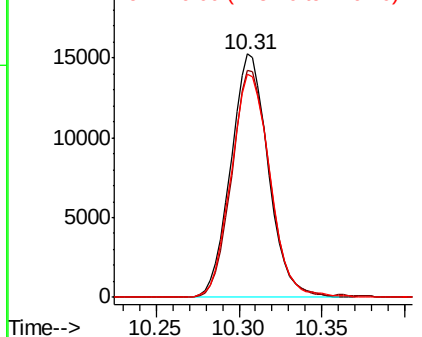


Abundance

Ion 95.00 (94.70 to 95.70): VU029835.D (-2555) (-)

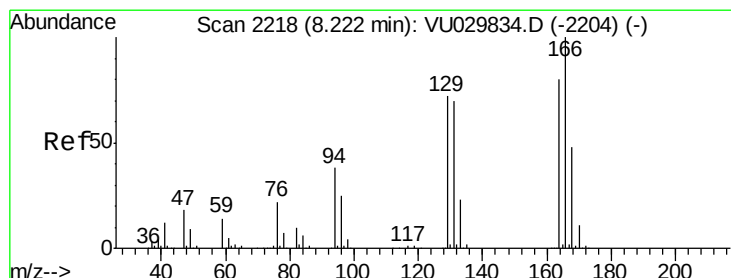
Ion 174.00 (173.70 to 174.70): VU029835.D (-2555) (-)

Ion 176.00 (175.70 to 176.70): VU029835.D (-2555) (-)



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#58
Tetrachloroethene
Concen: 14.461 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	100.5	150.7
129	91.2	72.3	108.5
131	88.0	70.0	105.0

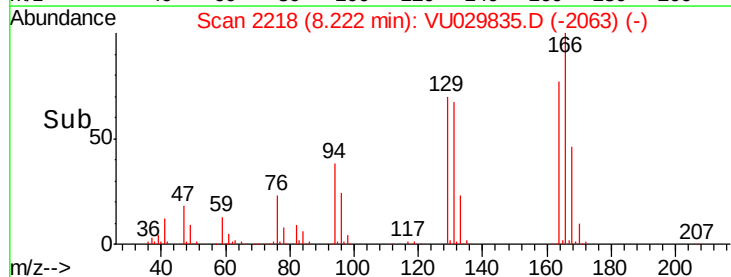
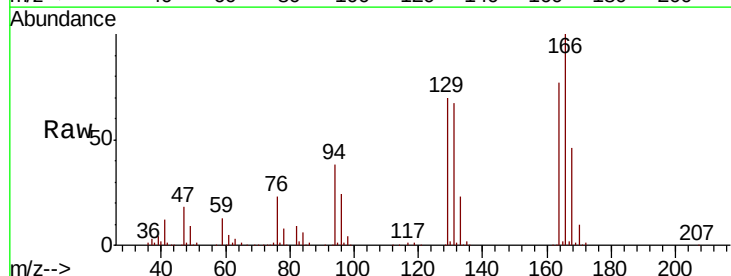
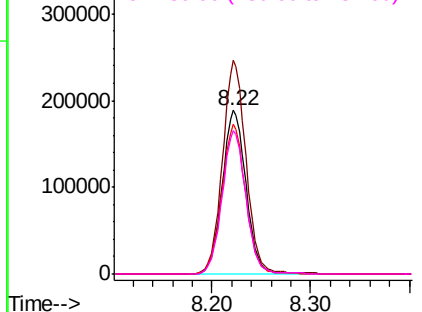
Abundance

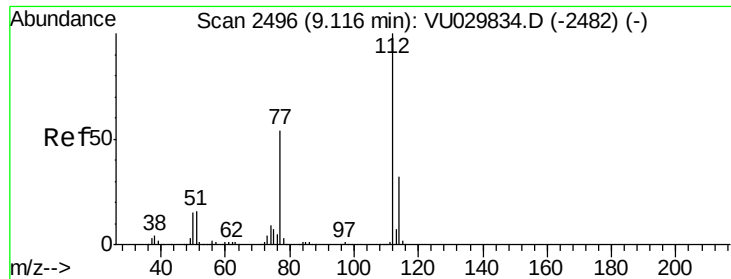
Ion 163.85 (163.55 to 164.55): VU029835.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029835.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029835.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029835.D (-2063) (-)



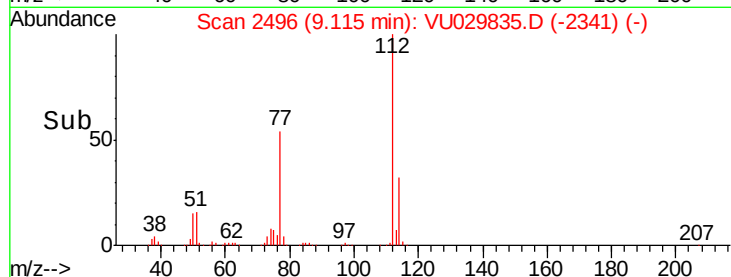
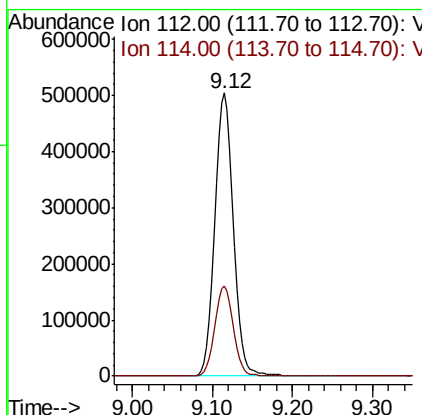
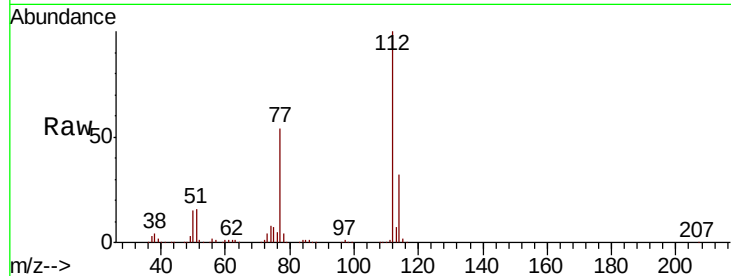


#59
Chlorobenzene
Concen: 15.563 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

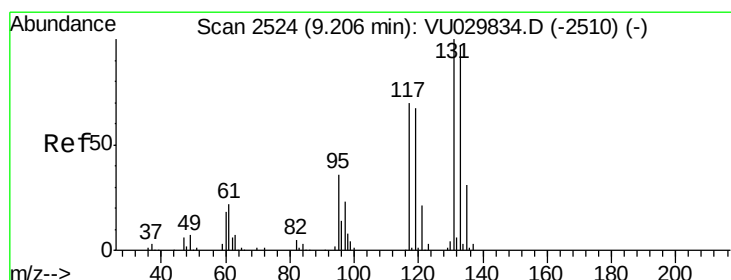
Tgt Ion	Ratio	Resp	Lower	Upper
112	100	818976		
114	31.7	25.4	38.2	

Manual Integrations
APPROVED



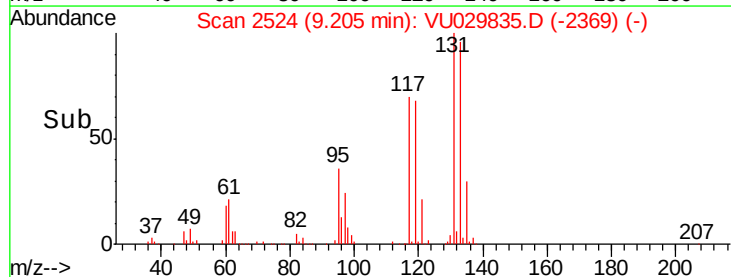
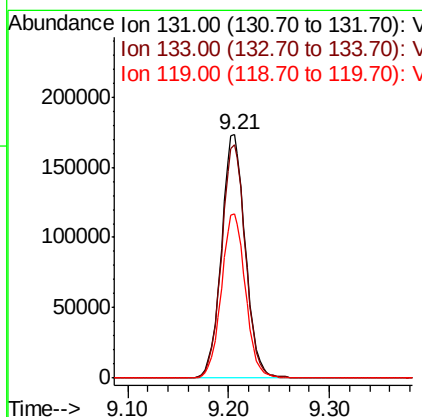
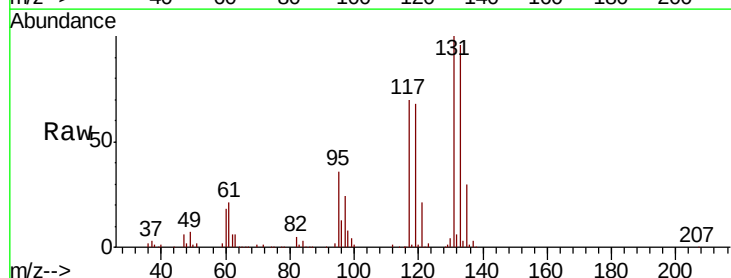
MMDadoda

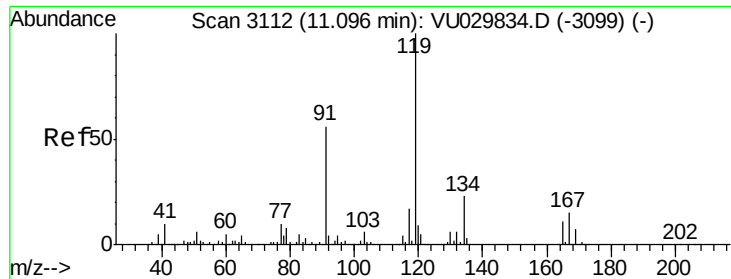
3/11/2019 4:50:18 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 15.174 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	286449		
133	96.1	76.4	114.6	
119	68.0	54.2	81.4	



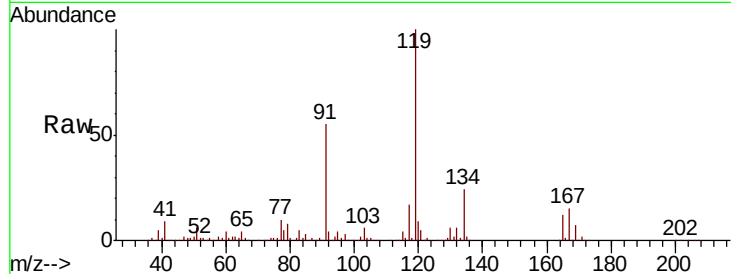


#61
 Pentachloroethane
 Concen: 15.951 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

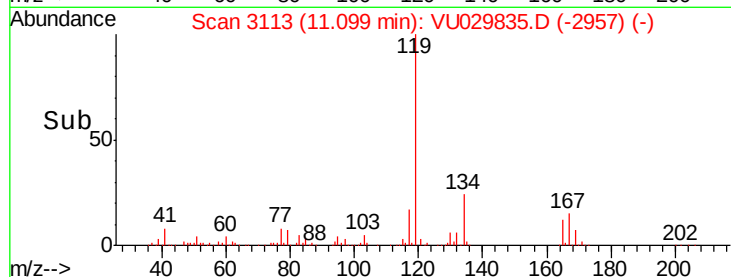
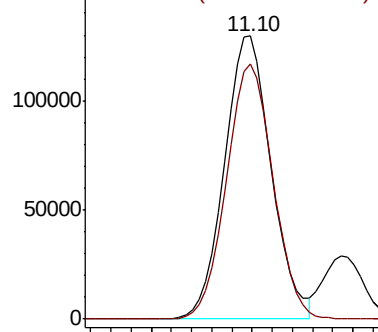
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:117 Resp: 209636
 Ion Ratio Lower Upper
 117 100
 167 89.7 71.4 107.2

Manual Integrations
 APPROVED

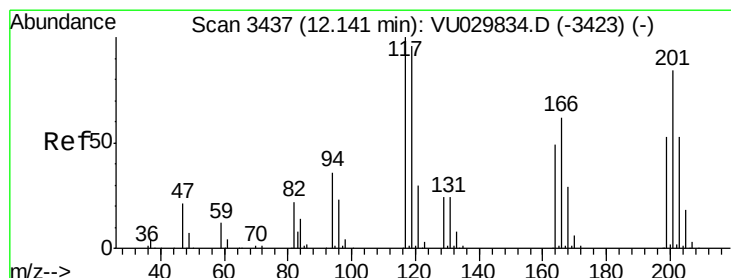


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



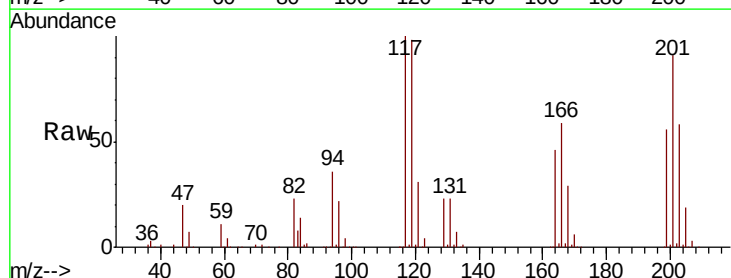
MMDadoda

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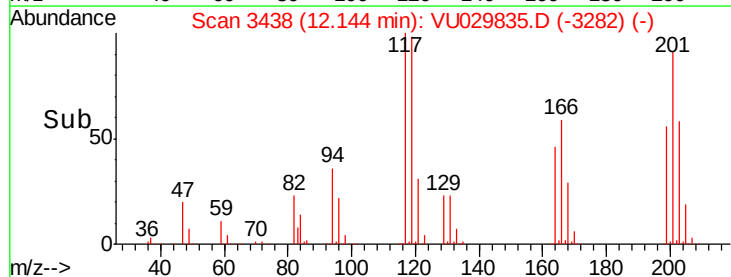
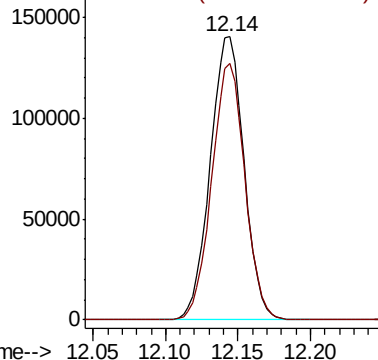


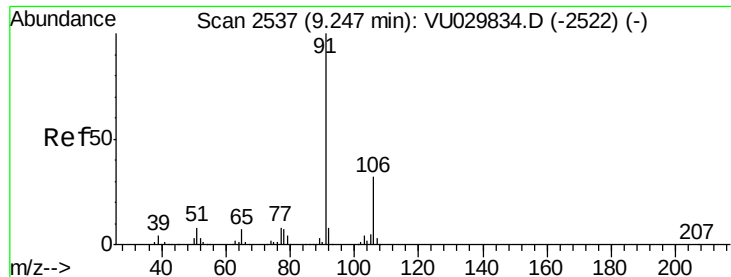
#62
 Hexachloroethane
 Concen: 16.486 ug/l
 RT: 12.14 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion:117 Resp: 227935
 Ion Ratio Lower Upper
 117 100
 201 88.7 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 16.067 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 1385096

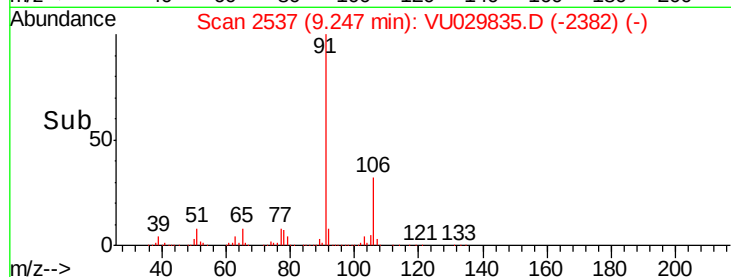
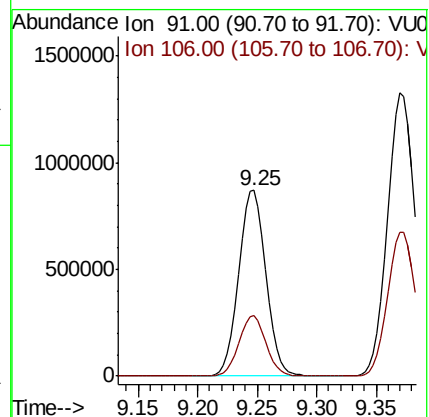
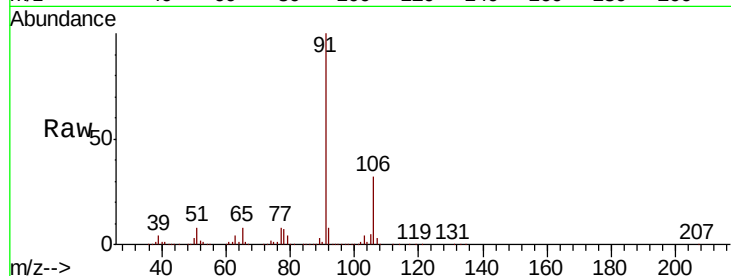
Ion Ratio Lower Upper

91 100

106 32.4 25.7 38.5

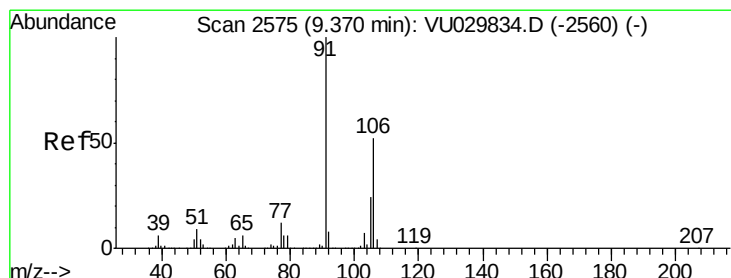
Manual Integrations

APPROVED



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#64

m/p-Xylenes

Concen: 32.606 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU029835.D

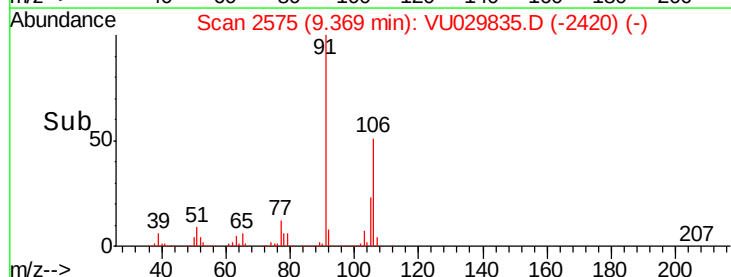
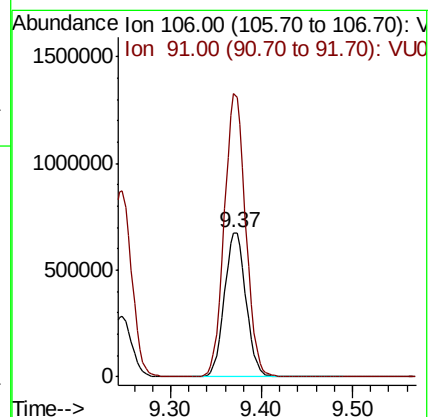
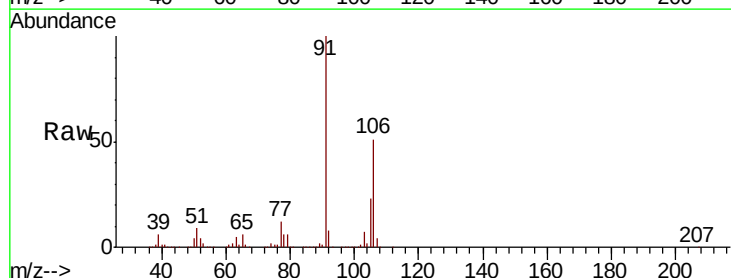
Acq: 06 Mar 2019 11:41

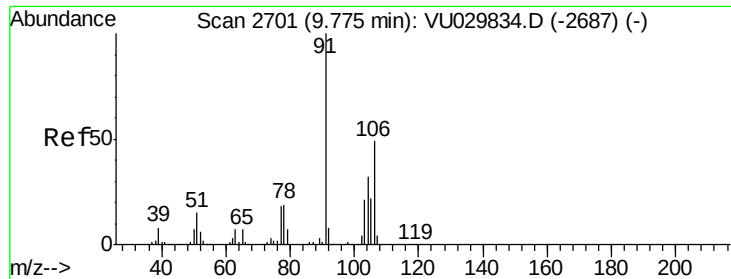
Tgt Ion: 106 Resp: 1111167

Ion Ratio Lower Upper

106 100

91 195.1 155.3 232.9



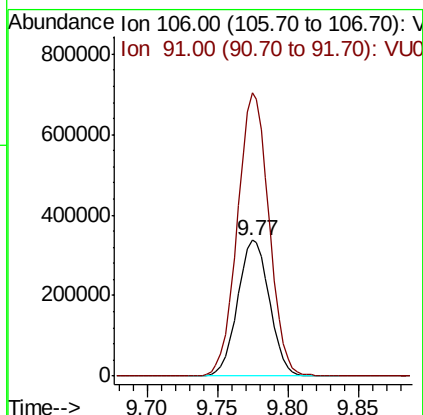
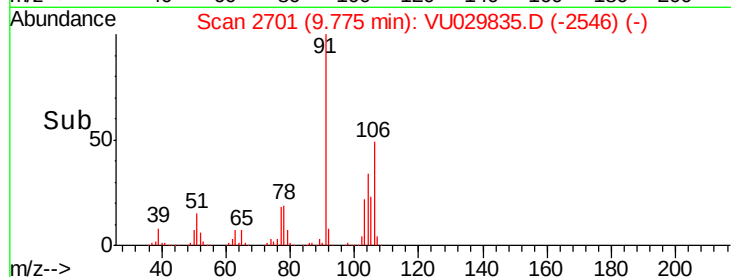
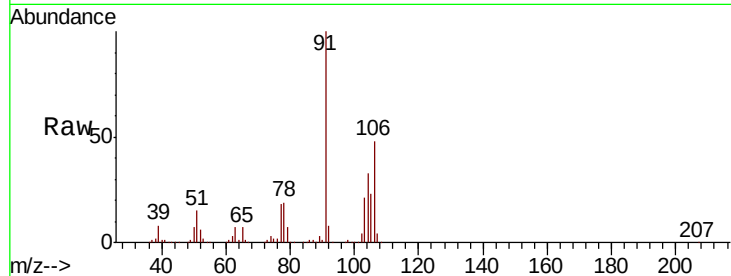


#65
o-Xylene
Concen: 16.373 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

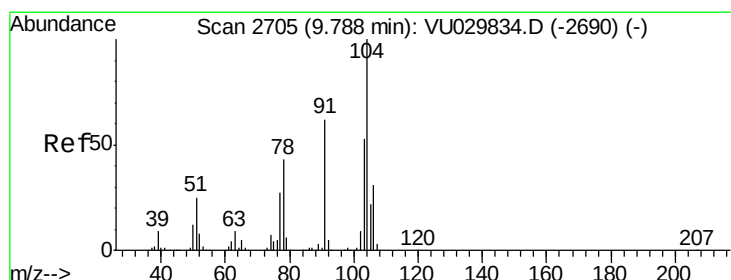
Tgt Ion:106 Resp: 535892
Ion Ratio Lower Upper
106 100
91 206.2 102.8 308.3

Manual Integrations
APPROVED



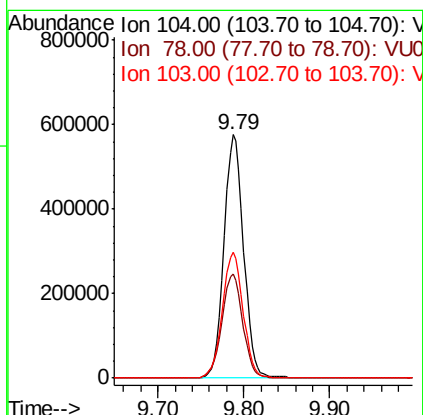
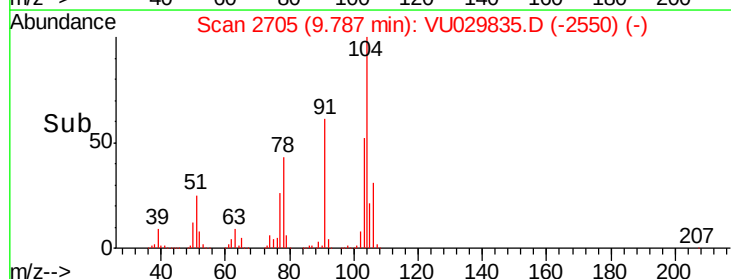
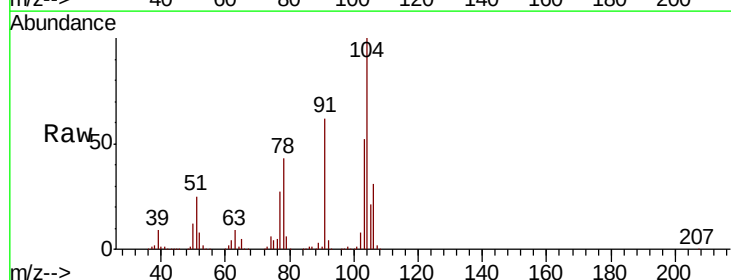
MMDadoda

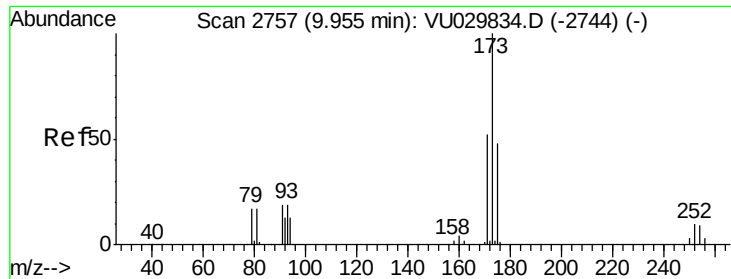
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#66
Styrene
Concen: 16.848 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion:104 Resp: 916102
Ion Ratio Lower Upper
104 100
78 45.9 37.2 55.8
103 54.7 44.7 67.1



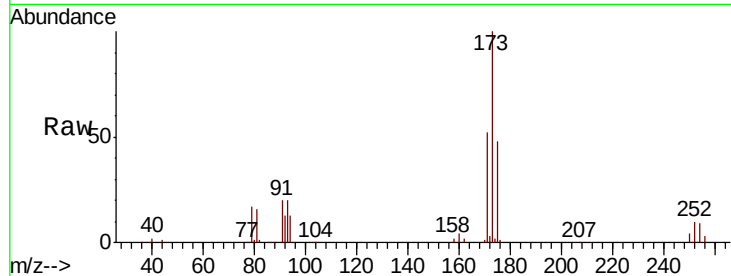


#67
Bromoform
Concen: 16.199 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

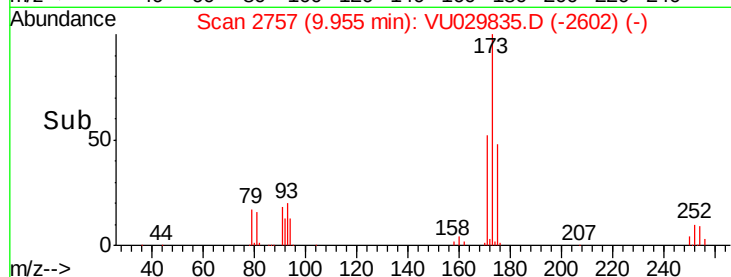
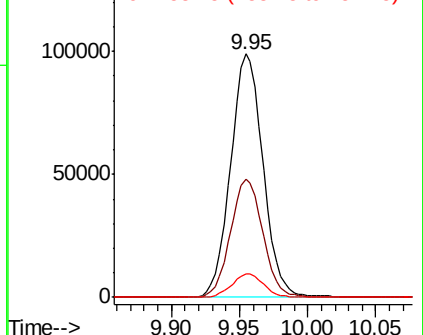
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	57.8
254	9.5	7.4	11.2

Manual Integrations
APPROVED

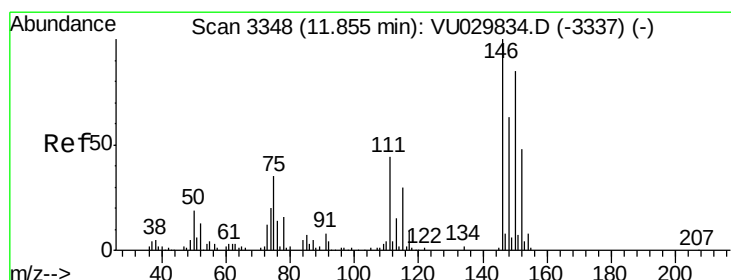


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



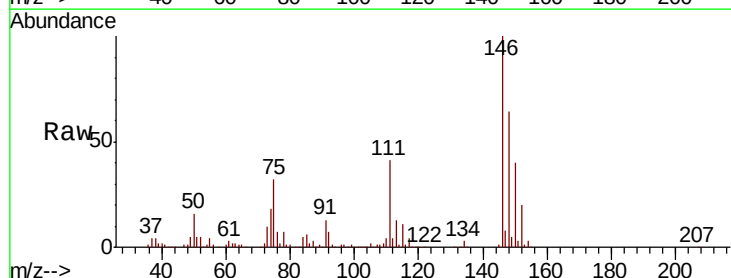
MMDadoda

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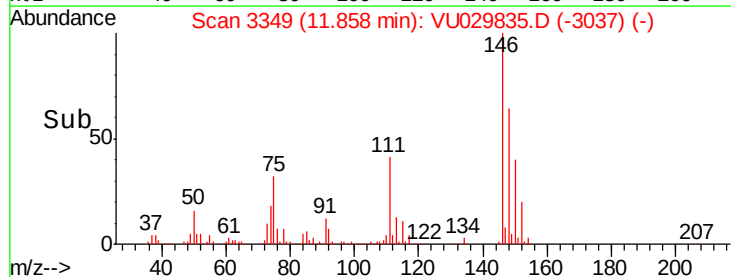
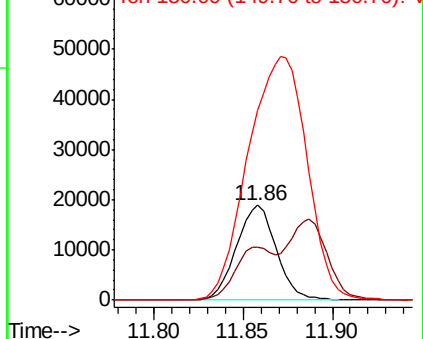


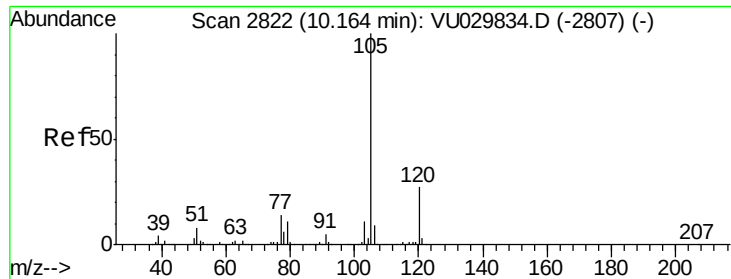
#68
1,2-Dichlorobenzene-d4
Concen: 16.199 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	0.0	124.0
150	380.5	0.0	631.2



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





#69

Isopropylbenzene

Concen: 16.265 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tgt Ion: 105 Resp: 1411678

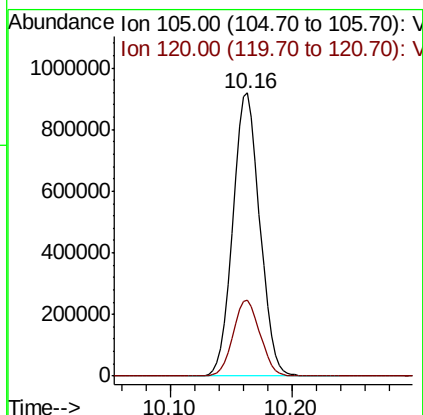
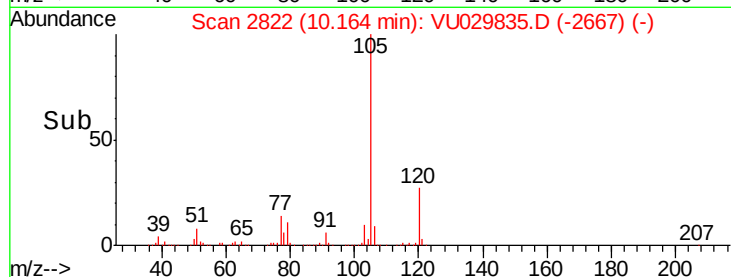
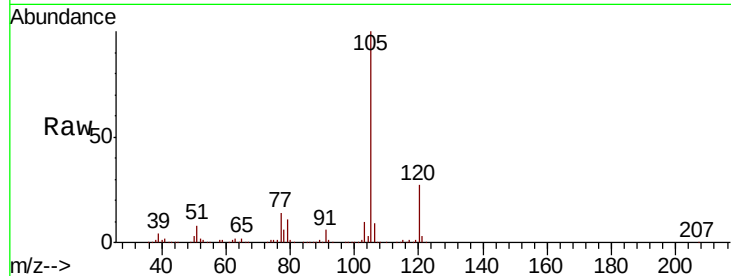
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5

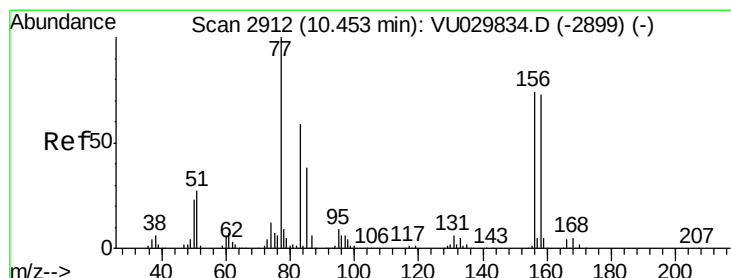
Manual Integrations

APPROVED



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#70

1,1,2,2-Tetrachloroethane

Concen: 15.053 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

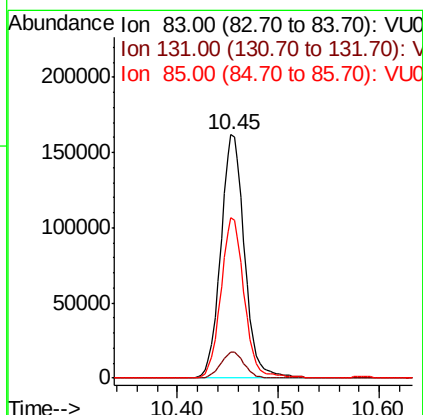
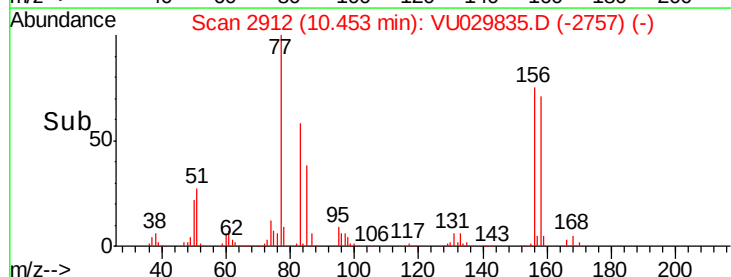
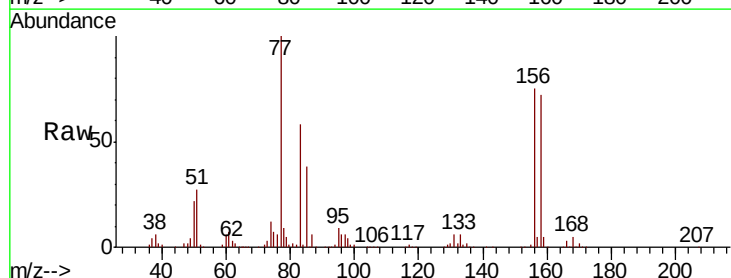
Tgt Ion: 83 Resp: 265812

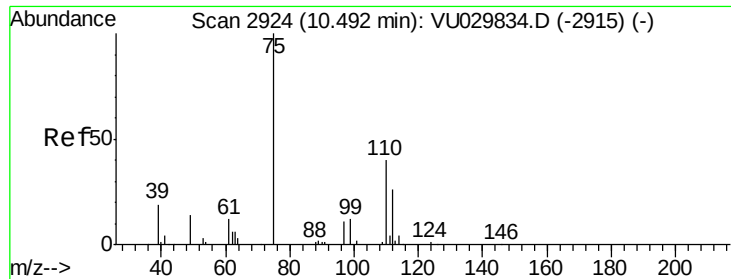
Ion Ratio Lower Upper

83 100

131 10.7 8.3 12.5

85 65.2 52.5 78.7



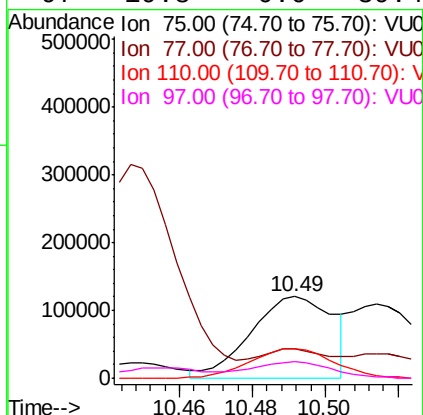
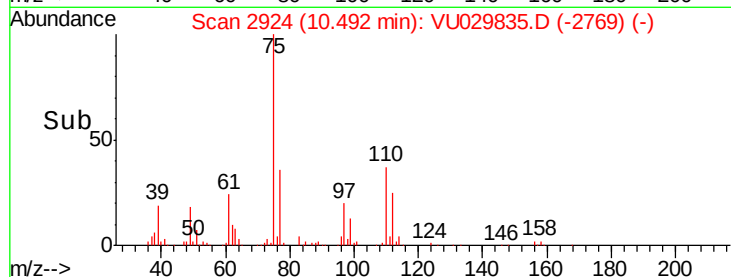
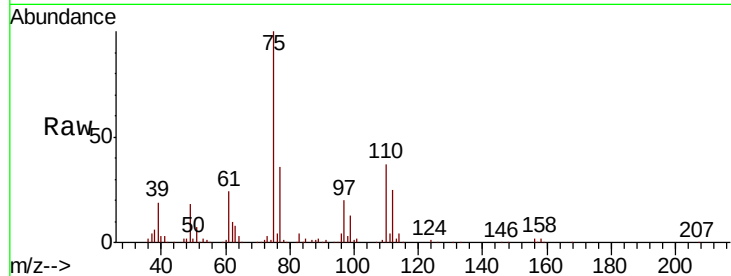


#71
1,2,3-Trichloropropane
Concen: 14.849 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

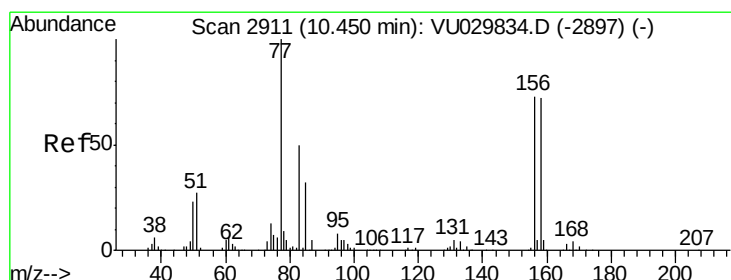
Tgt Ion	Ratio	Lower	Upper
75	100		
77	9.3	0.0	16.4
110	37.4	0.0	74.8
97	19.8	0.0	39.4

Manual Integrations
APPROVED



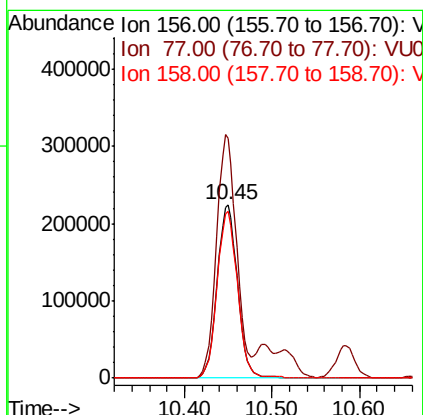
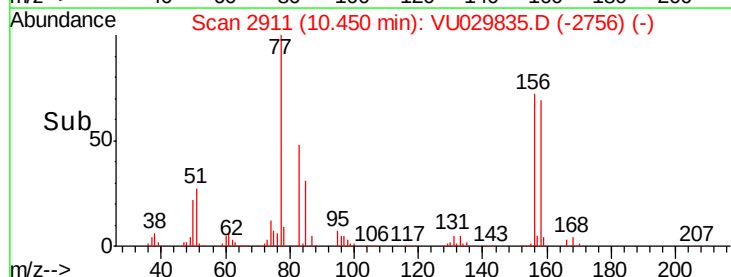
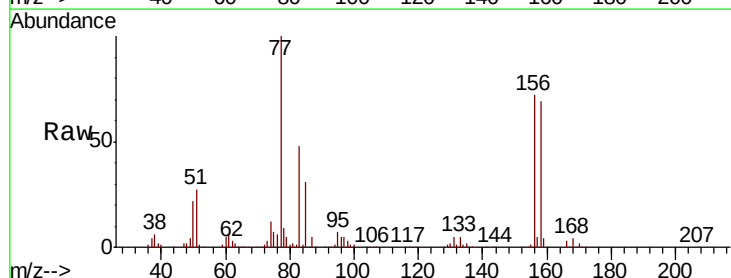
MMDadoda

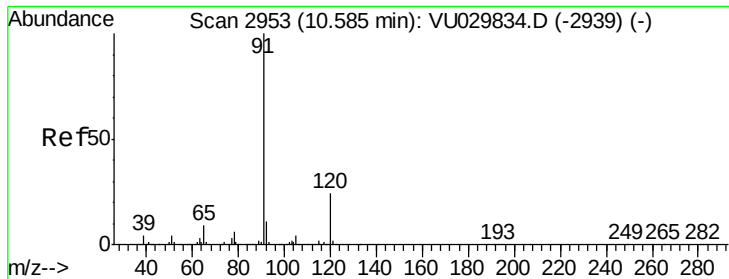
3/11/2019 4:50:18 PM



#72
Bromobenzene
Concen: 15.714 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
156	100		
77	138.6	0.0	282.2
158	97.0	0.0	196.2



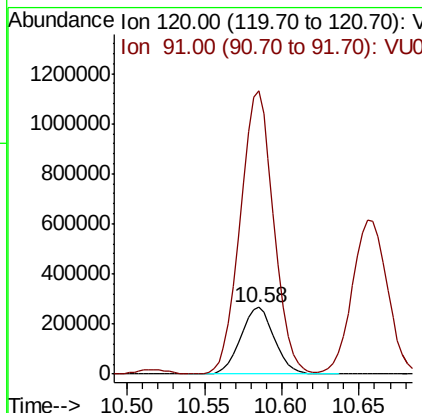
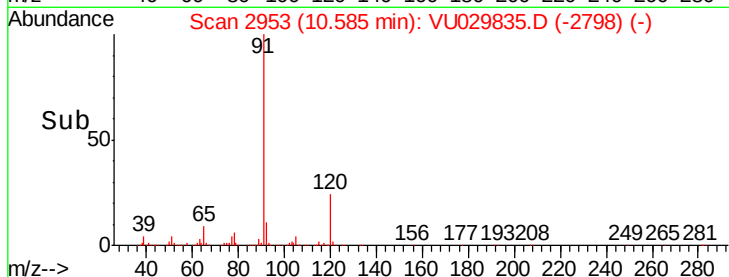
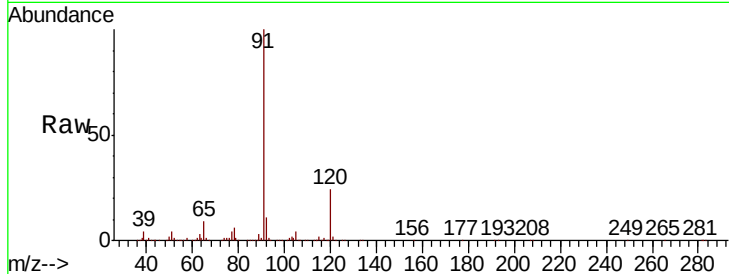


#73
n-propylbenzene
Concen: 16.514 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

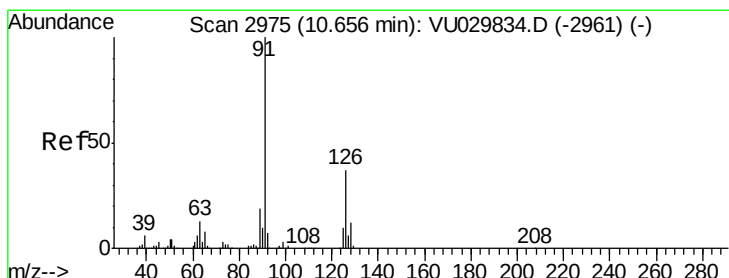
Tgt Ion:120 Resp: 402928
Ion Ratio Lower Upper
120 100
91 420.9 333.4 500.2

Manual Integrations
APPROVED



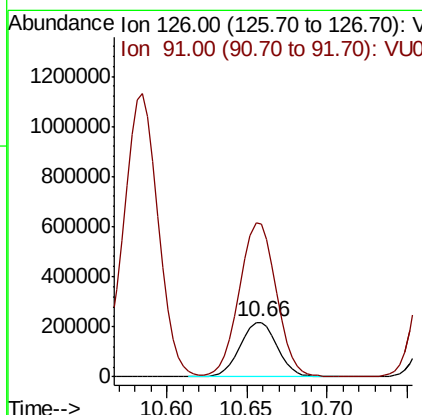
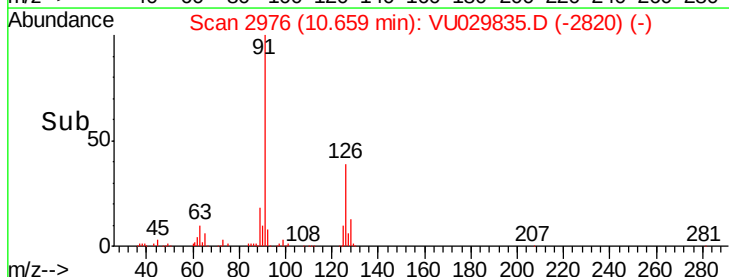
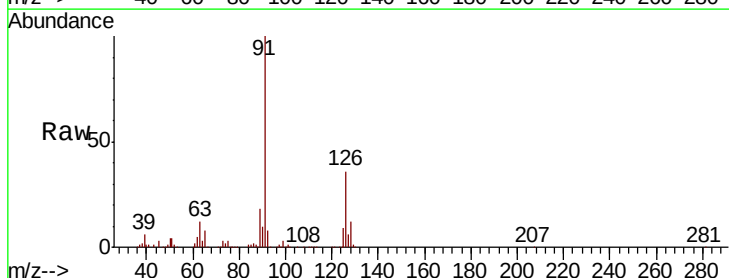
MM Dadoda

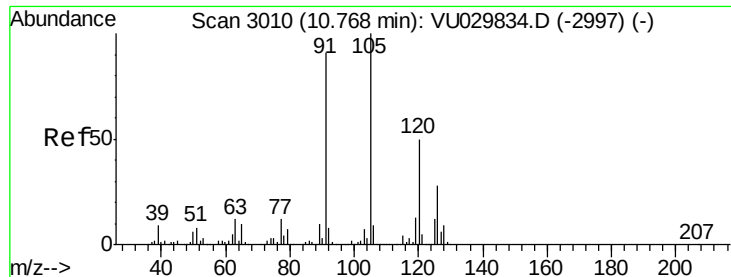
3/11/2019 4:50:18 PM



#74
2-Chlorotoluene
Concen: 15.936 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion:126 Resp: 344899
Ion Ratio Lower Upper
126 100
91 278.7 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 16.444 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029835.D

Acq: 06 Mar 2019 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

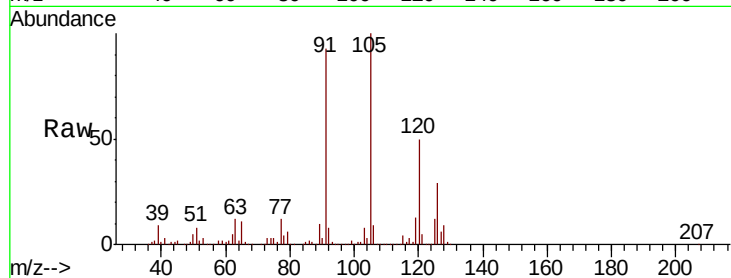
Tgt Ion:105 Resp: 1202310

Ion Ratio Lower Upper

105 100

120 50.1 40.0 60.0

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

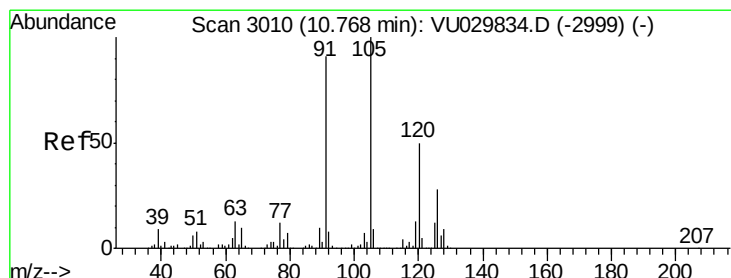
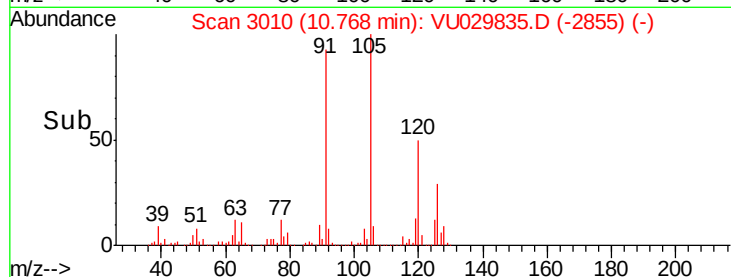
10.77

10.70 10.80 10.90

Time-->

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#76

4-Chlorotoluene

Concen: 16.297 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029835.D

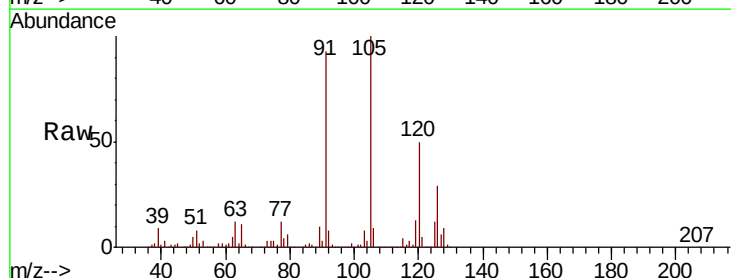
Acq: 06 Mar 2019 11:41

Tgt Ion:126 Resp: 359696

Ion Ratio Lower Upper

126 100

91 311.5 0.0 634.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

400000

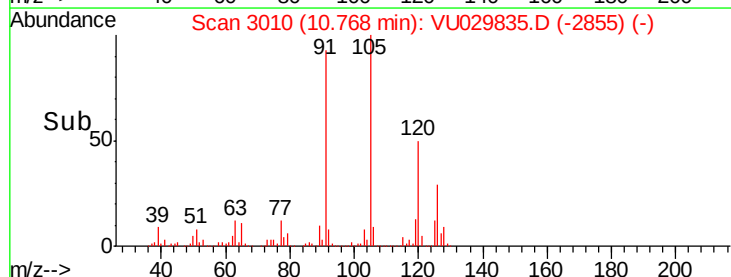
200000

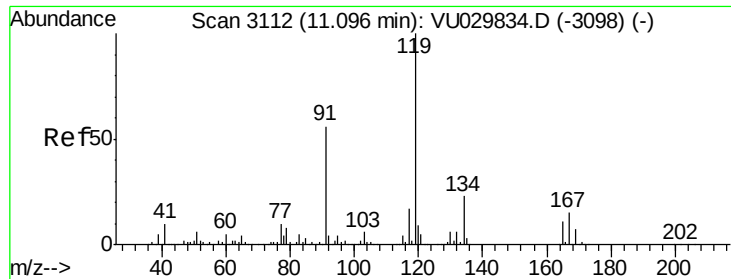
0

10.77

10.70 10.80 10.90

Time-->



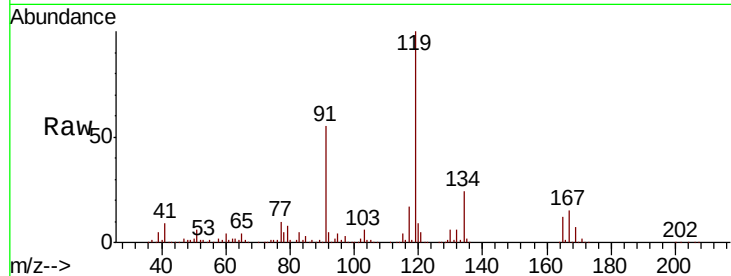


#77
 tert-Butylbenzene
 Concen: 16.426 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

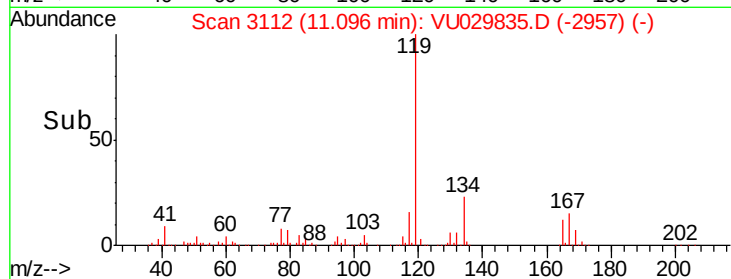
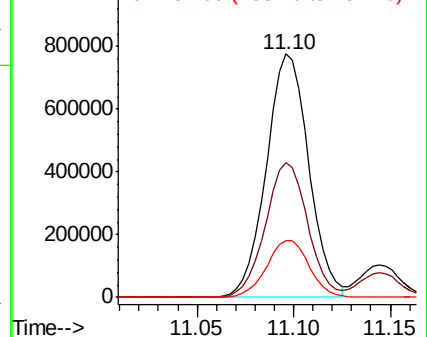
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion:119 Resp: 1188309
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.7 83.1
 134 23.5 18.7 28.1

Manual Integrations
 APPROVED

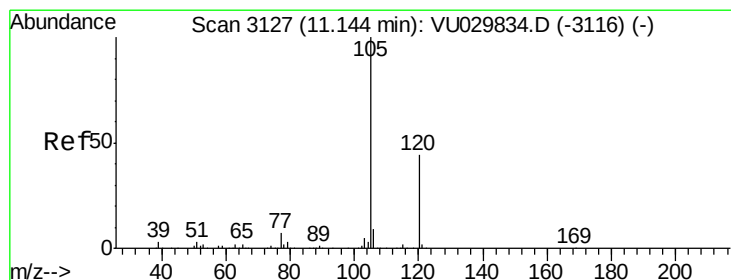


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



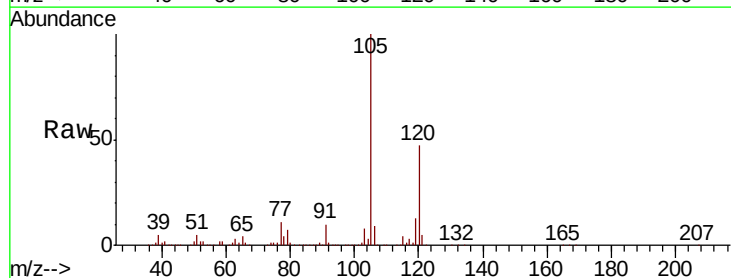
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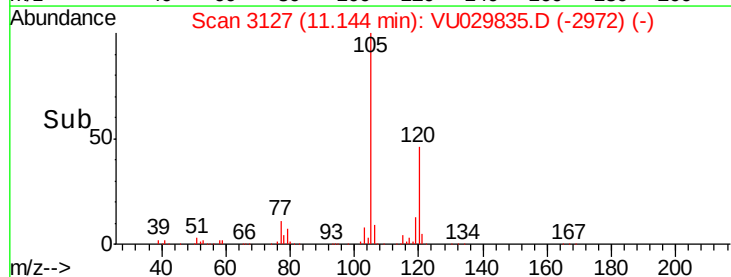
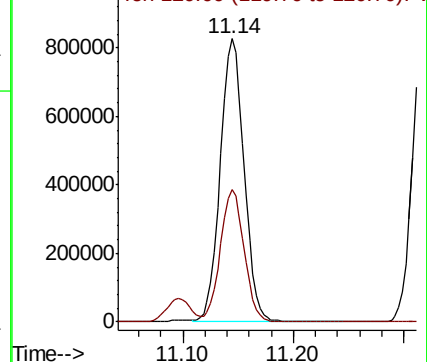


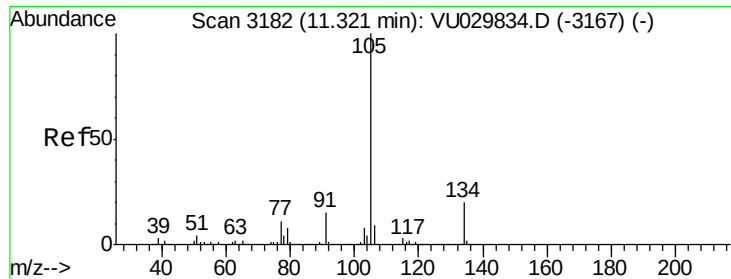
#78
 1,2,4-Trimethylbenzene
 Concen: 16.668 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion:105 Resp: 1231550
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.5 70.5



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



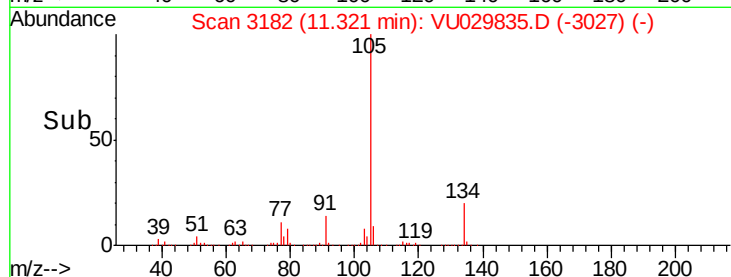
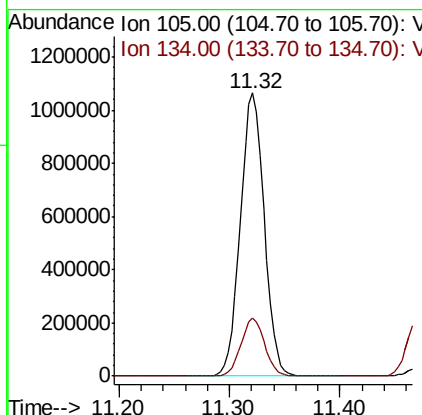
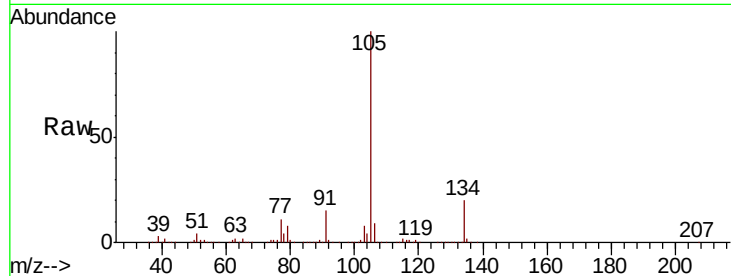


#79
 sec-Butylbenzene
 Concen: 16.618 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

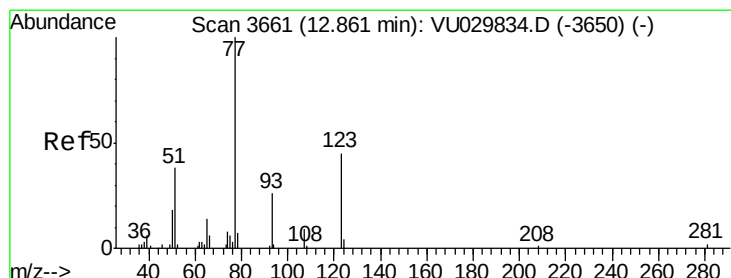
Tgt Ion: 105 Resp: 1593305
 Ion Ratio Lower Upper
 105 100
 134 20.3 16.3 24.5

Manual Integrations
 APPROVED



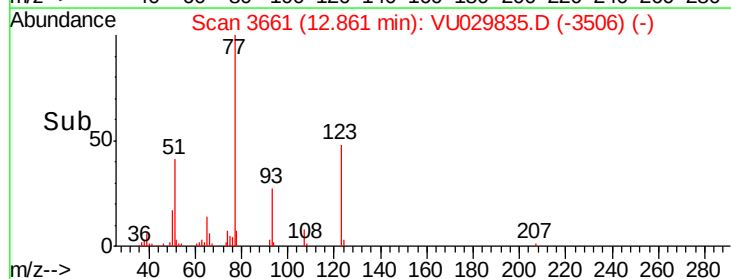
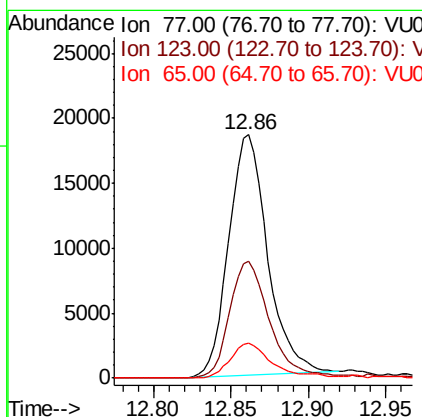
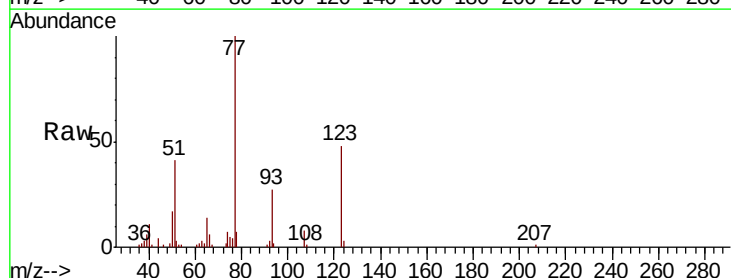
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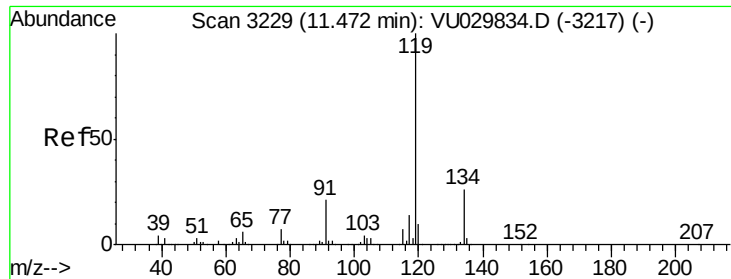
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#80
 Nitrobenzene
 Concen: 96.267 ug/l
 RT: 12.86 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion: 77 Resp: 32447
 Ion Ratio Lower Upper
 77 100
 123 47.8 20.2 71.4
 65 14.4 14.0 17.8



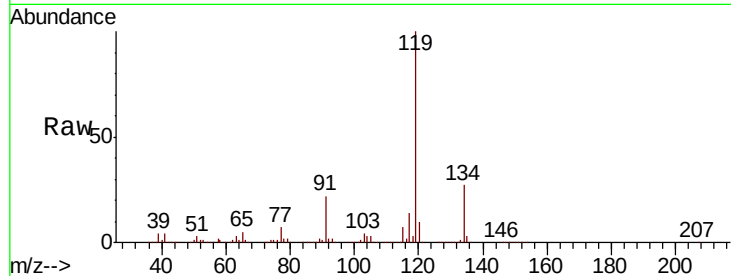


#81
p-Isopropyltoluene
Concen: 16.819 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	21.2	31.8
91	21.8	17.2	25.8

Manual Integrations
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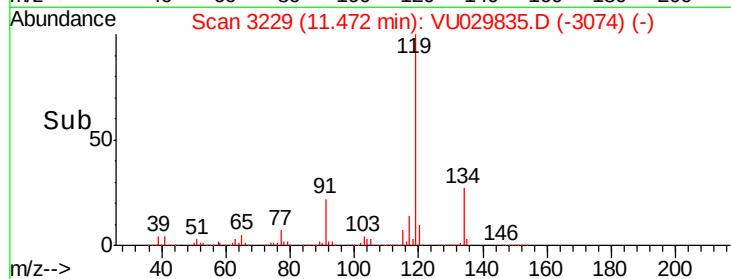
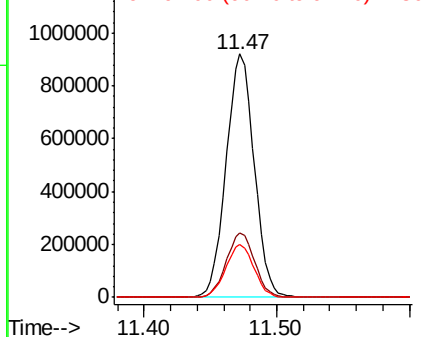


Abundance

Ion 119.00 (118.70 to 119.70): V

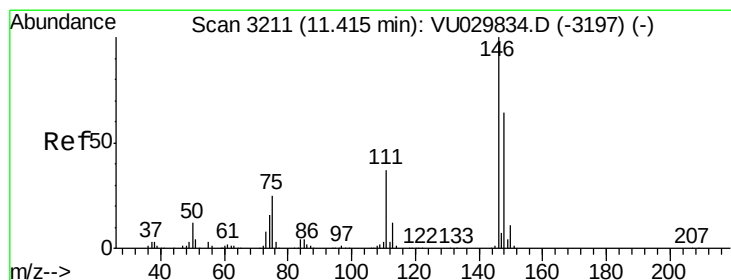
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



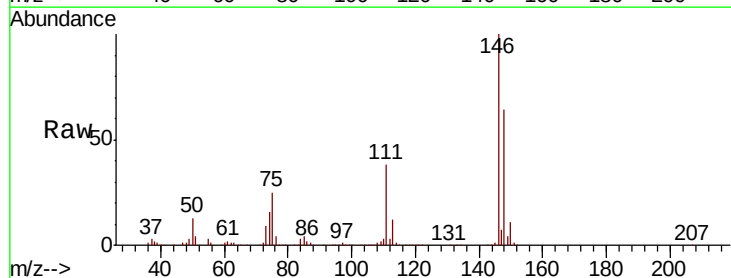
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#82
1,3-Dichlorobenzene
Concen: 15.523 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	30.2	45.4
148	64.1	51.2	76.8

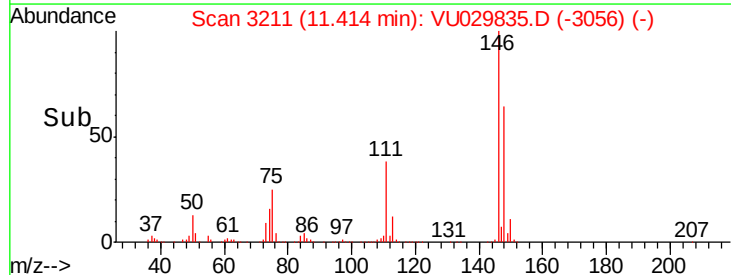
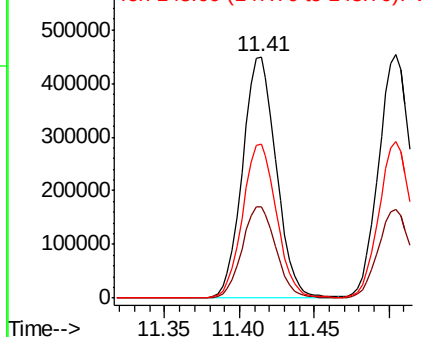


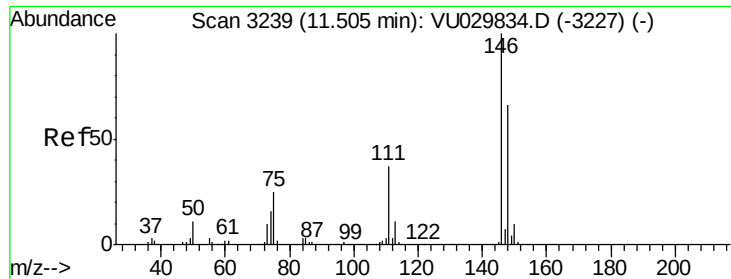
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



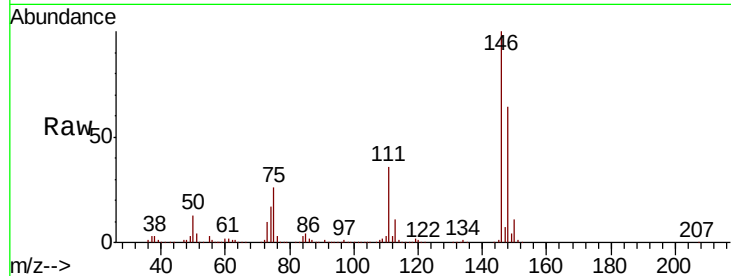


#83
 1,4-Dichlorobenzene
 Concen: 15.877 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	29.4	44.2
148	64.0	51.7	77.5

Manual Integrations
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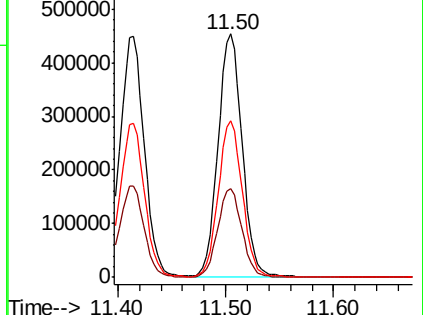
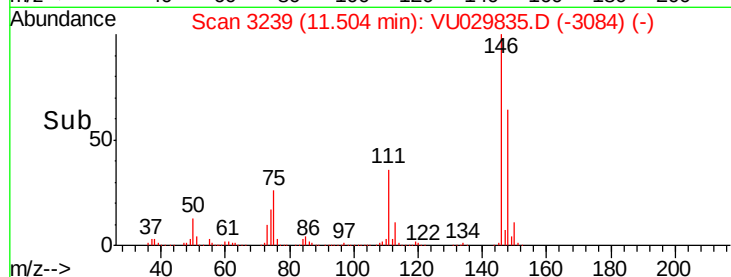


Abundance

Ion 146.00 (145.70 to 146.70): V

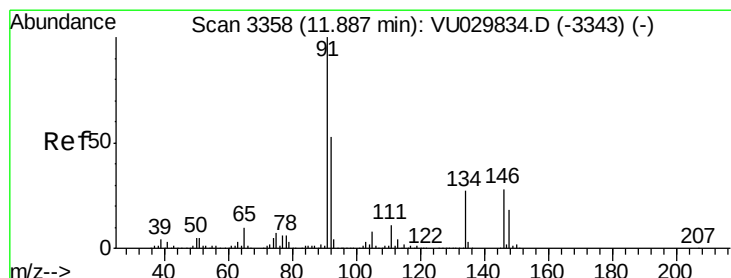
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



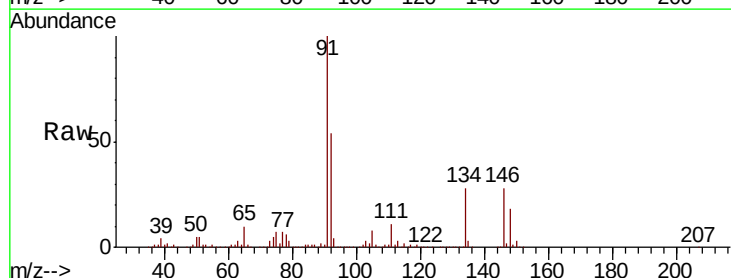
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#84
 n-Butylbenzene
 Concen: 16.948 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	27.3	21.7	32.5

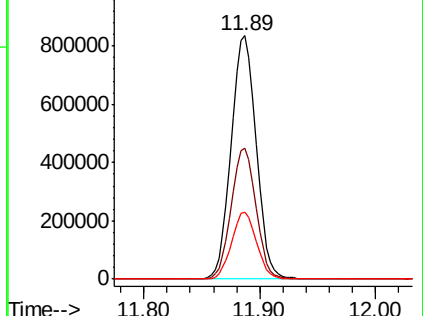
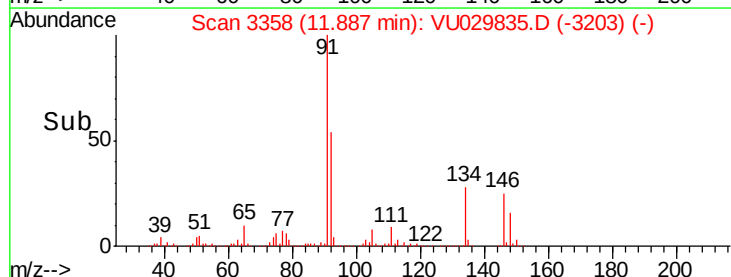


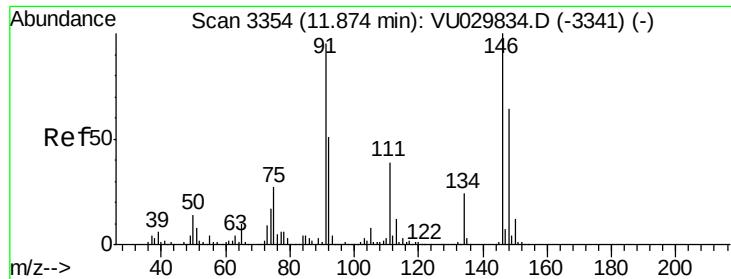
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



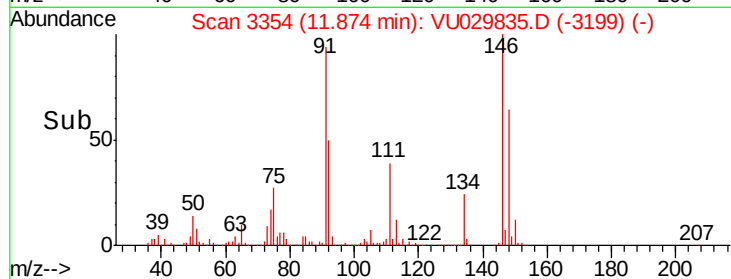
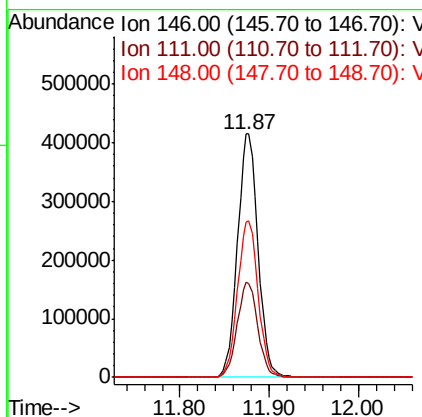
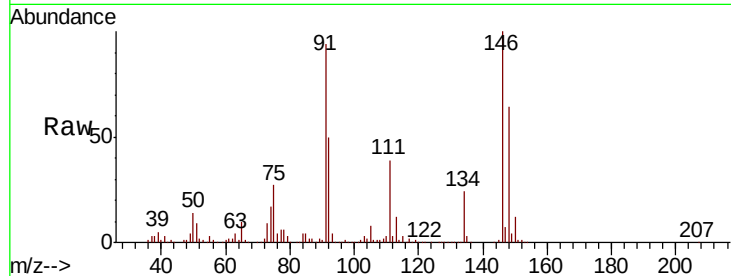


#85
 1,2-Dichlorobenzene
 Concen: 15.378 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

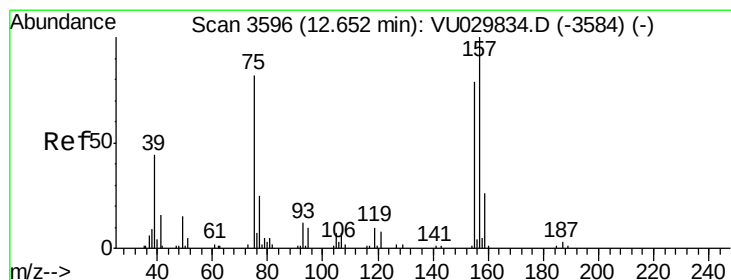
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.6
148	64.5	32.1	96.3

Manual Integrations
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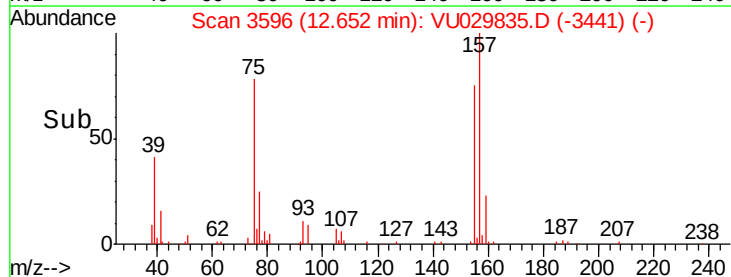
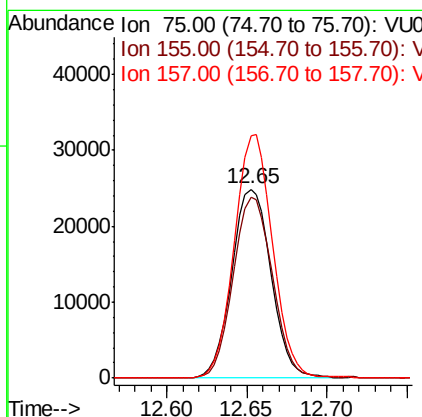
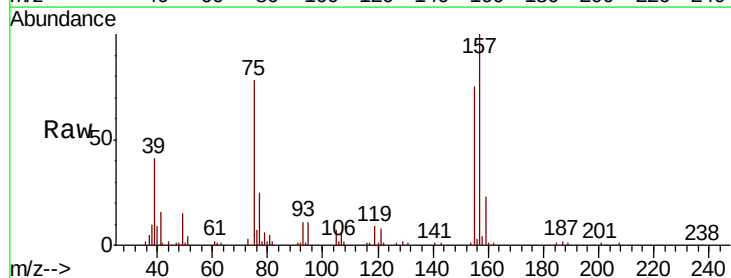
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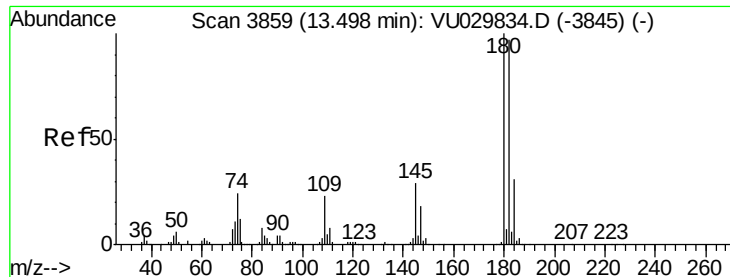
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 16.553 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.7	76.6	114.8
157	125.0	96.2	144.2



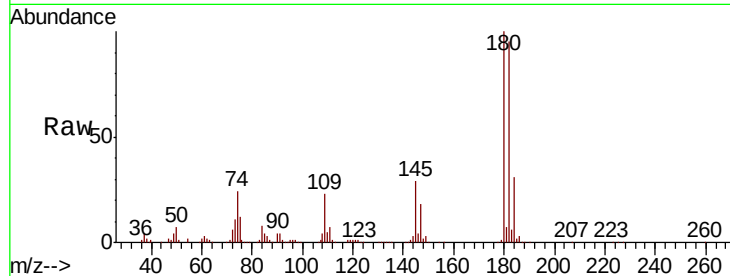


#87
 1,2,4-Trichlorobenzene
 Concen: 17.388 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

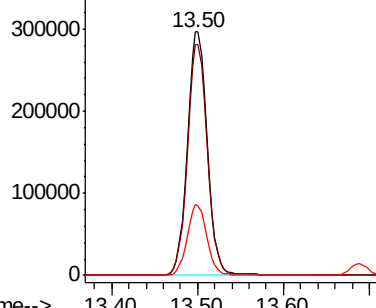
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.5	116.3
145	28.8	23.6	35.4

Manual Integrations
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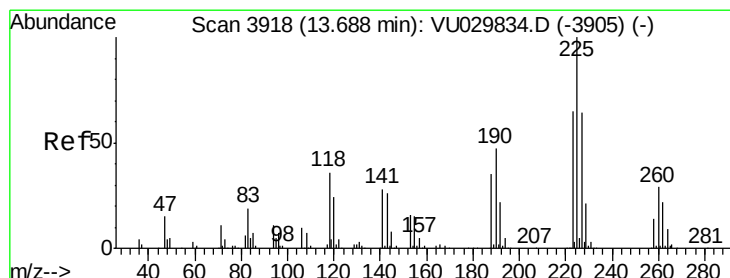
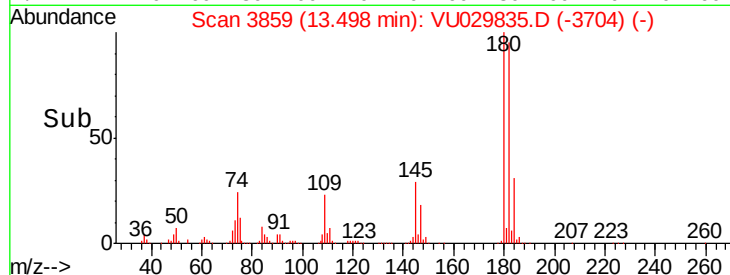


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



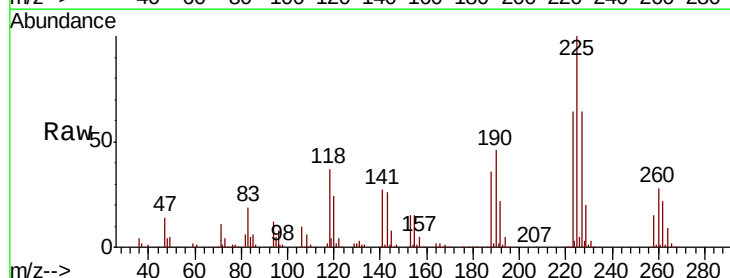
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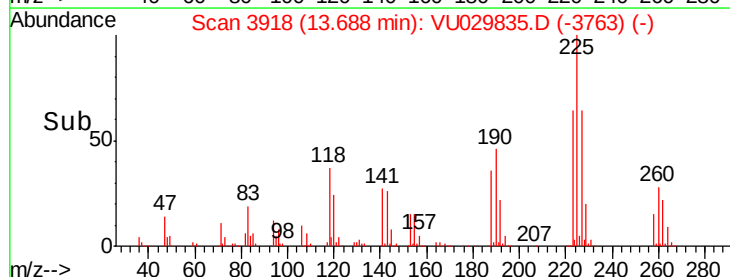
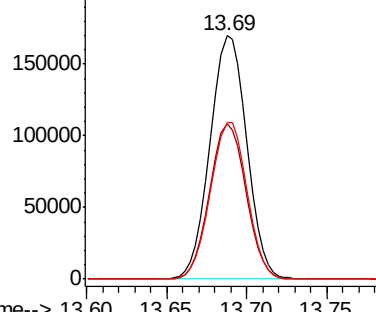


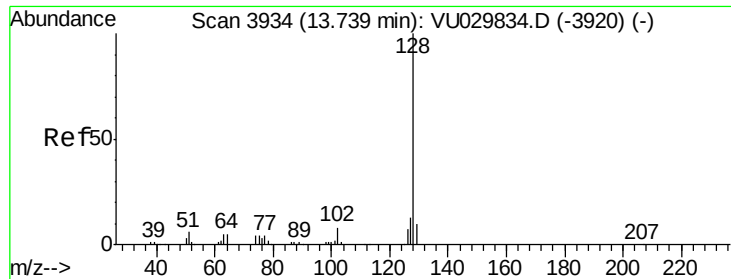
#88
 Hexachlorobutadiene
 Concen: 15.379 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029835.D
 Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.2	76.8
227	64.1	50.9	76.3



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



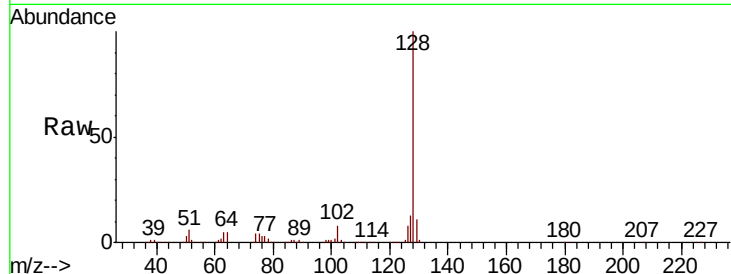


#89
Naphthalene
Concen: 18.781 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

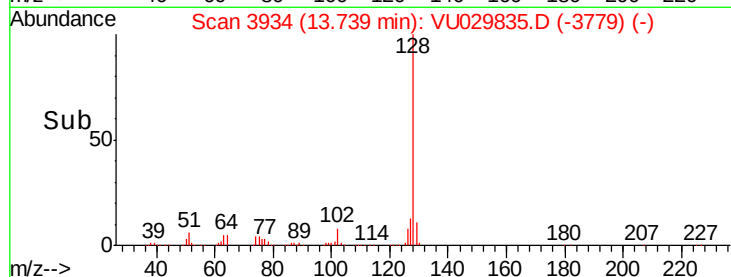
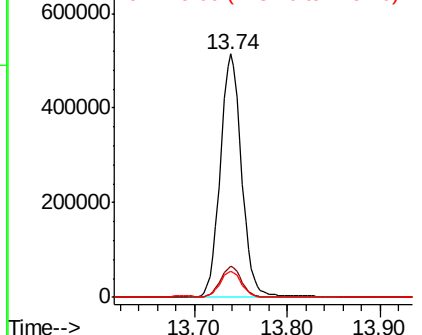
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.2	12.4

Manual Integrations
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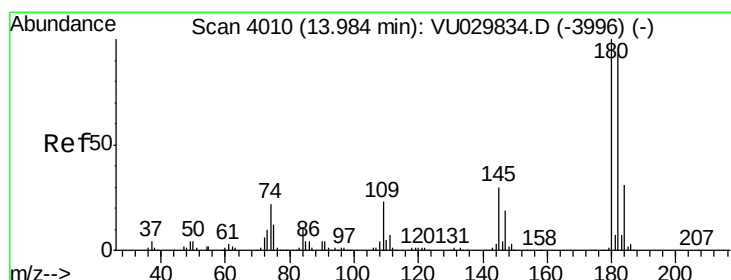


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



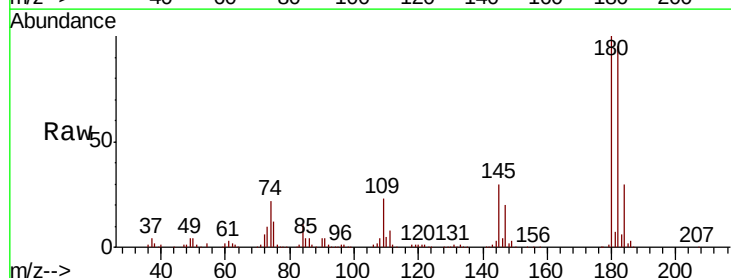
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#90
1,2,3-Trichlorobenzene
Concen: 16.956 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU029835.D
Acq: 06 Mar 2019 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	74.8	112.2
145	30.3	24.6	36.8



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

