

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU029999.D
 Acq On : 12 Mar 2019 09:50
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:55:17 PM

Quant Time: Mar 13 04:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 13 04:00:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	61503	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	24127	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25229	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	12556	0.557	ug/l	99
3) Chloromethane	1.33	50	13807	0.540	ug/l	93
4) Vinyl Chloride	1.40	62	11692	0.533	ug/l	93
5) Bromomethane	1.63	94	7633	0.609	ug/l	95
6) Chloroethane	1.70	64	6365	0.503	ug/l	91
7) Trichlorofluoromethane	1.88	101	15715	0.552	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8672	0.560	ug/l	98
9) 1,1-Dichloroethene	2.28	96	8308	0.541	ug/l	96
10) Iodomethane	2.41	142	6076	0.457	ug/l	97
11) Allyl Chloride	2.59	41	12167	0.561	ug/l	94
12) Acrylonitrile	2.93	53	3672	1.105	ug/l #	91
13) Acetone	2.32	43	9929	3.432	ug/l	96
14) Carbon Disulfide	2.48	76	30491	0.570	ug/l #	94
15) Methylene Chloride	2.69	84	11223	0.614	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	9476	0.535	ug/l	98
17) 1,1-Dichloroethane	3.44	63	15999	0.534	ug/l	98
18) 2-Butanone	4.28	43	10734	2.680	ug/l	97
19) Cyclohexane	4.98	56	13000m	0.508	ug/l	
20) Methylcyclohexane	6.41	83	14876	0.525	ug/l	96
21) 2,2-Dichloropropane	4.22	77	14129	0.561	ug/l	95
22) cis-1,2-Dichloroethene	4.22	96	10380	0.527	ug/l	99
23) Diethyl Ether	2.10	59	6238	0.544	ug/l #	89
24) tert-Butyl Alcohol	2.83	59	6918	5.638	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	20756	0.536	ug/l #	90
26) Bromochloromethane	4.54	128	4587	0.532	ug/l	96
27) Chloroform	4.67	83	18410	0.584	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	13479	0.520	ug/l	97
29) 1,1-Dichloropropene	5.13	75	12662	0.536	ug/l	97
30) Carbon Tetrachloride	5.13	117	12143m	0.524	ug/l	
31) Isopropyl Ether	3.57	45	22988	0.545	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	21369	0.526	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	18722	0.504	ug/l	99
34) Propionitrile	4.33	54	2512m	2.210	ug/l	
35) Benzene	5.39	78	36102	0.523	ug/l	97
36) 1,2-Dichloroethane	5.41	62	10221	0.553	ug/l	98
37) Trichloroethene	6.18	130	11079	0.557	ug/l	94
38) 1,2-Dichloropropane	6.43	63	9062	0.516	ug/l	95
39) Methacrylonitrile	4.55	41	2591	0.532	ug/l #	83
40) Methyl acrylate	4.44	55	3830	0.498	ug/l #	87
41) Tetrahydrofuran	4.65	42	3183	1.182	ug/l #	89
42) 1-Chlorobutane	5.06	56	16246	0.525	ug/l	96

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Manual Integrations
 APPROVED

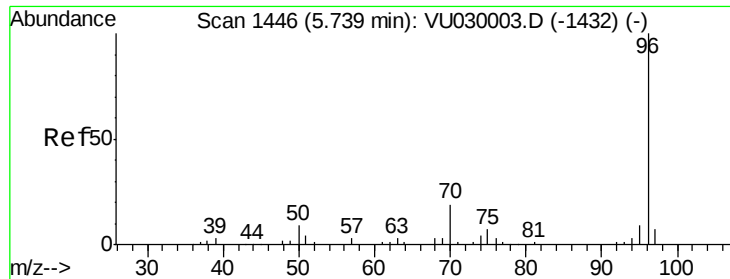
MMDadoda
 3/13/2019 12:55:17 PM

Quant Time: Mar 13 04:14:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U031419DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

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

43) Dibromomethane	6.56	93	4814	0.530	ug/l	98
44) Bromodichloromethane	6.76	83	11269	0.520	ug/l #	94
45) 4-Methyl-2-Pentanone	7.46	43	22730	2.532	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	2648m	0.759	ug/l	
47) Methyl methacrylate	6.63	69	7186	0.944	ug/l	92
48) Ethyl methacrylate	8.02	69	6078	0.423	ug/l	82
49) Toluene	7.64	92	20521	0.493	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	9108	0.469	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	12305	0.504	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	6524	0.508	ug/l	94
53) 1,3-Dichloropropane	8.24	76	10887	0.507	ug/l	95
54) 2-Hexanone	8.37	43	17662	2.731	ug/l	94
55) Dibromochloromethane	8.47	129	7846	0.508	ug/l	98
56) 1,2-Dibromoethane	8.58	107	6441	0.521	ug/l	94
58) Tetrachloroethene	8.22	164	9649	0.534	ug/l	97
59) Chlorobenzene	9.12	112	24396	0.513	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	9226	0.549	ug/l	97
61) Pentachloroethane	11.10	117	6651	0.513	ug/l	94
62) Hexachloroethane	12.14	117	6708	0.514	ug/l	92
63) Ethyl Benzene	9.25	91	38530	0.493	ug/l	96
64) m/p-Xylenes	9.37	106	29020	0.944	ug/l	98
65) o-Xylene	9.77	106	14550	0.483	ug/l	98
66) Styrene	9.79	104	22287	0.451	ug/l	99
67) Bromoform	9.96	173	4262	0.483	ug/l	93
69) Isopropylbenzene	10.16	105	38450	0.489	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8278	0.523	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	6664m	0.567	ug/l	
72) Bromobenzene	10.45	156	10247	0.497	ug/l	97
73) n-propylbenzene	10.58	120	10490	0.471	ug/l	96
74) 2-Chlorotoluene	10.66	126	9622	0.493	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	31267	0.467	ug/l	100
76) 4-Chlorotoluene	10.77	126	9791	0.491	ug/l	90
77) tert-Butylbenzene	11.10	119	31332	0.478	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	31525	0.463	ug/l	99
79) sec-Butylbenzene	11.32	105	40729	0.464	ug/l	100
81) p-Isopropyltoluene	11.47	119	33410	0.454	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	21213	0.510	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	21864	0.523	ug/l	97
84) n-Butylbenzene	11.89	91	32033	0.466	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	20024	0.517	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	1138	0.499	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	14321	0.512	ug/l	96
88) Hexachlorobutadiene	13.69	225	7856	0.518	ug/l	97
89) Naphthalene	13.75	128	19009	0.434	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	12605	0.498	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

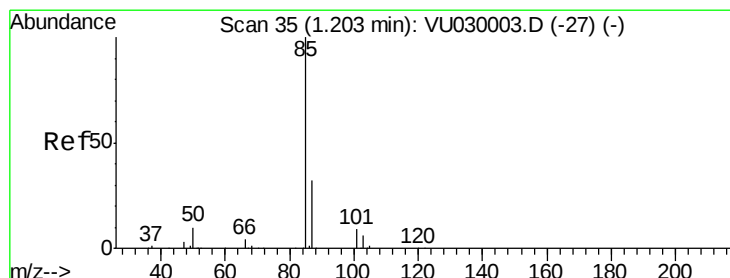
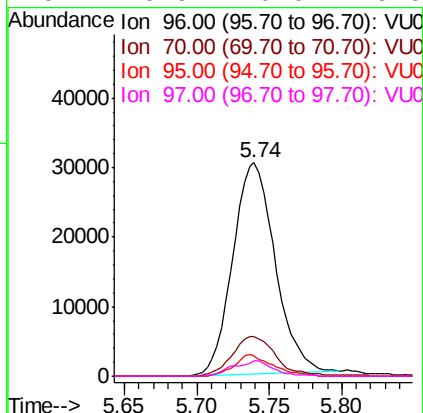
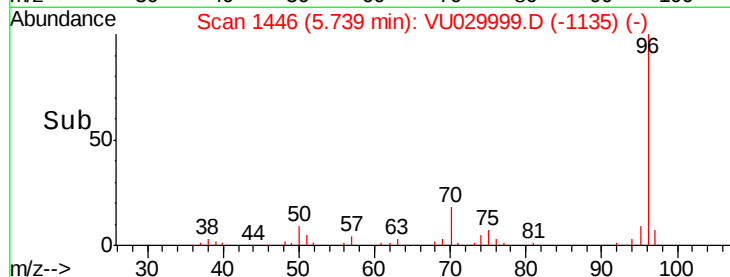
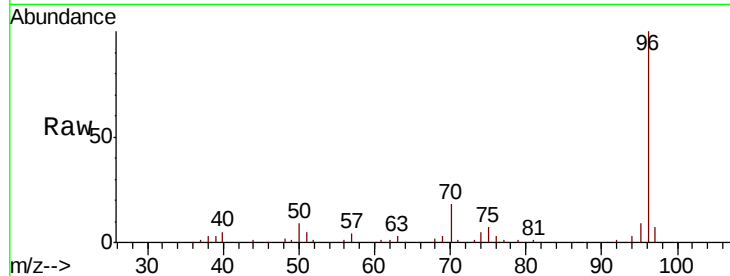
ClientSampleId :

VSTDIC0.5

Tgt Ion:	96	Resp:	61503
Ion Ratio	Lower	Upper	
96	100		
70	18.7	15.5	23.3
95	9.2	6.6	9.8
97	6.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.557 ug/l

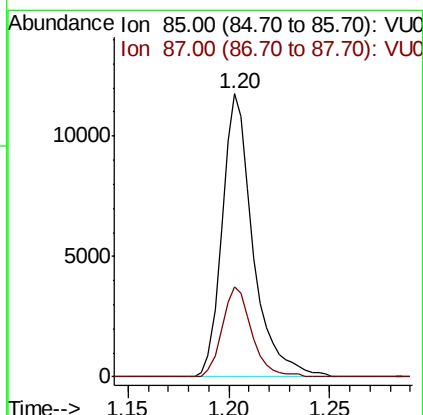
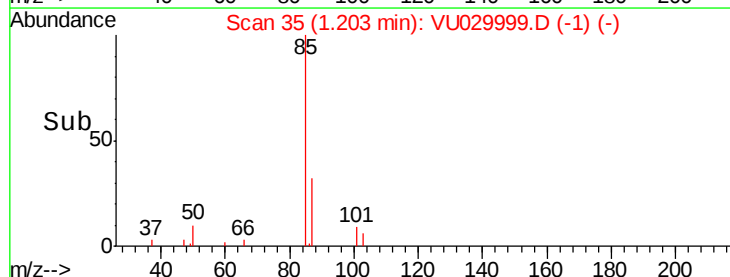
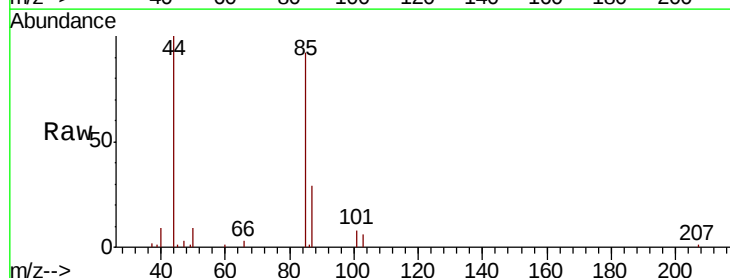
RT: 1.20 min Scan# 35

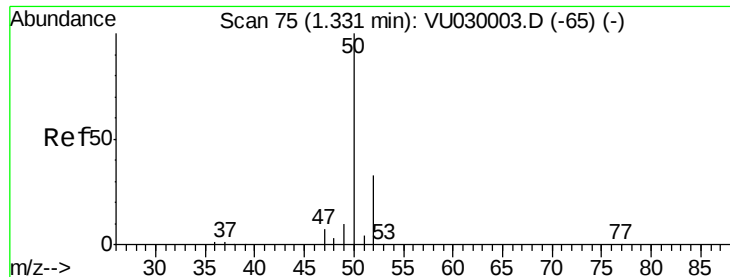
Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Tgt Ion:	85	Resp:	12556
Ion Ratio	Lower	Upper	
85	100		
87	31.8	16.2	48.6





#3

Chloromethane

Concen: 0.540 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 50 Resp: 13807

Ion Ratio Lower Upper

50 100

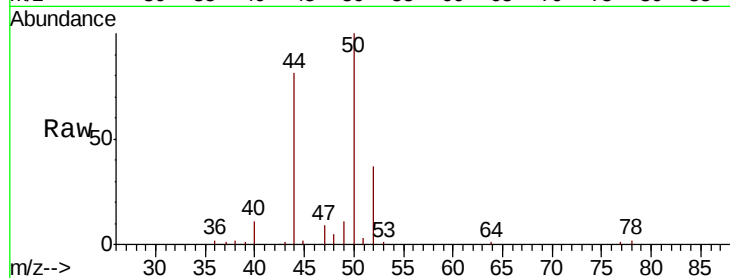
52 36.7 26.1 39.1

Manual Integrations

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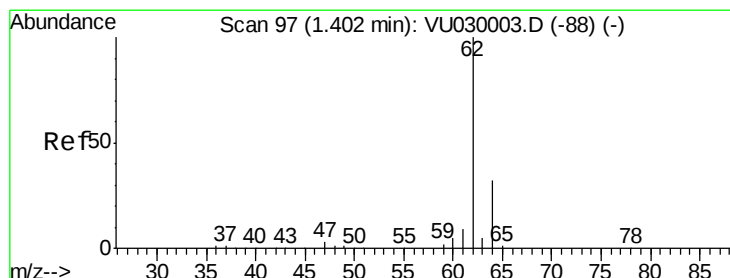
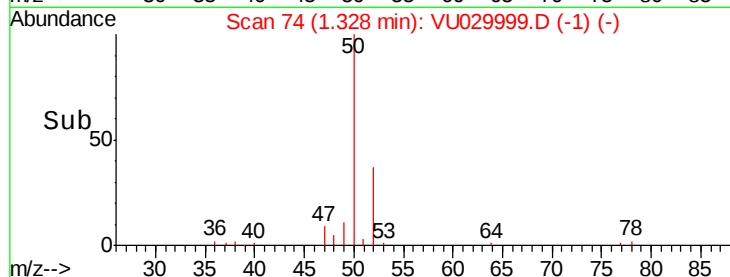
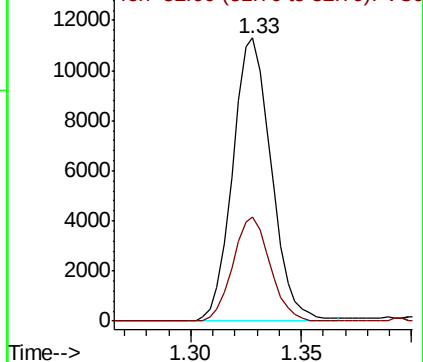
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.533 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029999.D

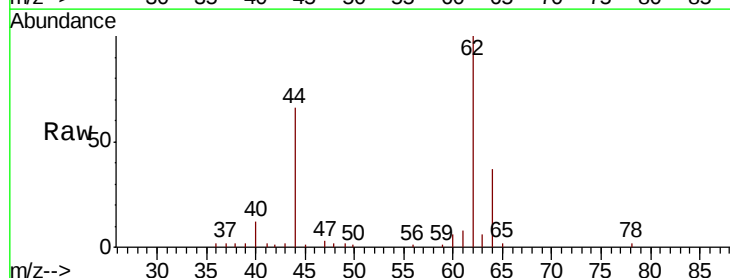
Acq: 12 Mar 2019 09:50

Tgt Ion: 62 Resp: 11692

Ion Ratio Lower Upper

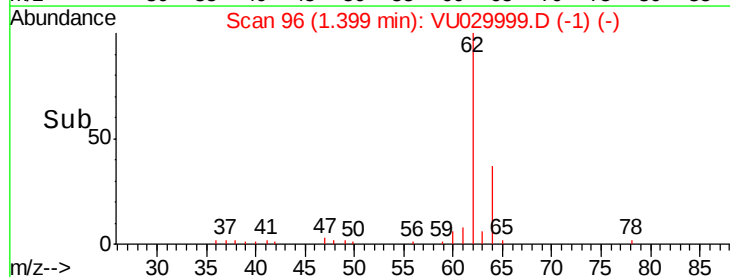
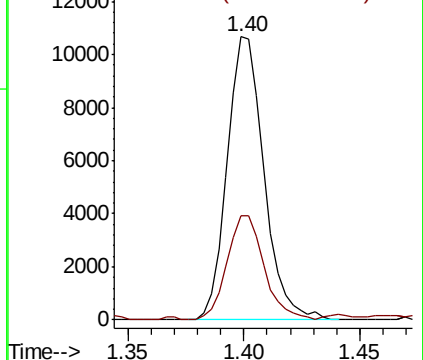
62 100

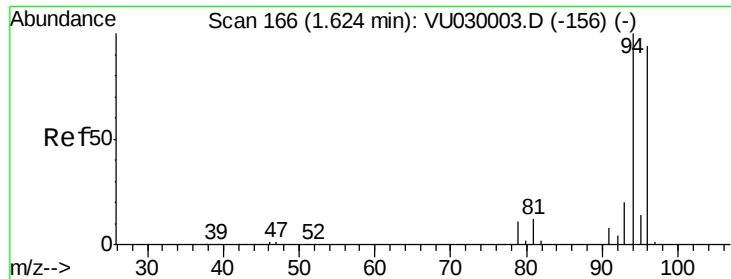
64 36.6 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.609 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 94 Resp: 7633

Ion Ratio Lower Upper

94 100

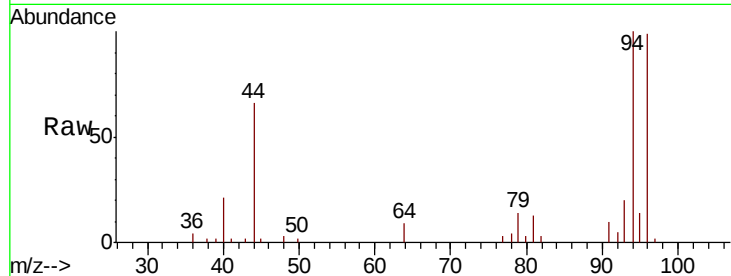
96 99.1 75.2 112.8

Manual Integrations

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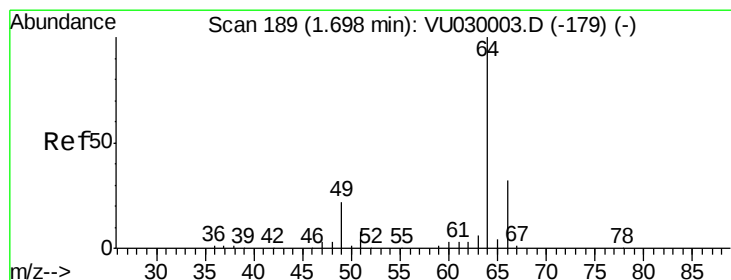
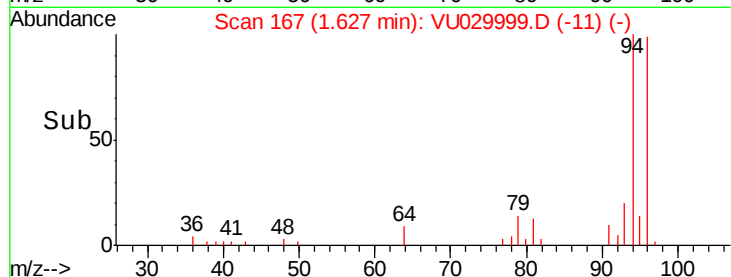
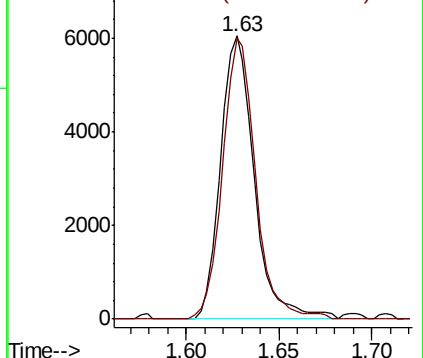
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.503 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029999.D

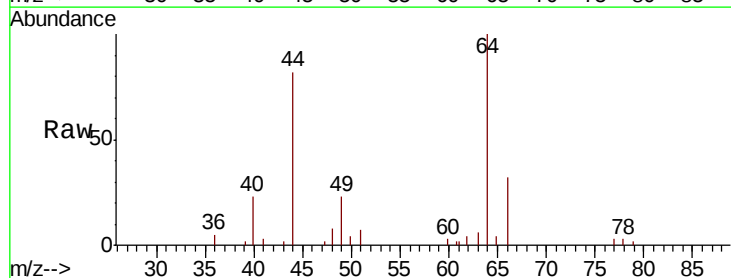
Acq: 12 Mar 2019 09:50

Tgt Ion: 64 Resp: 6365

Ion Ratio Lower Upper

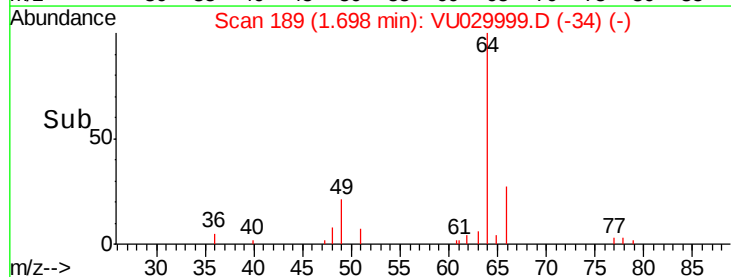
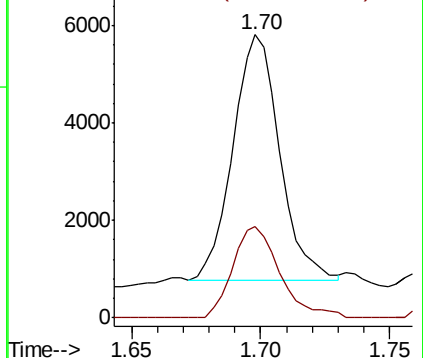
64 100

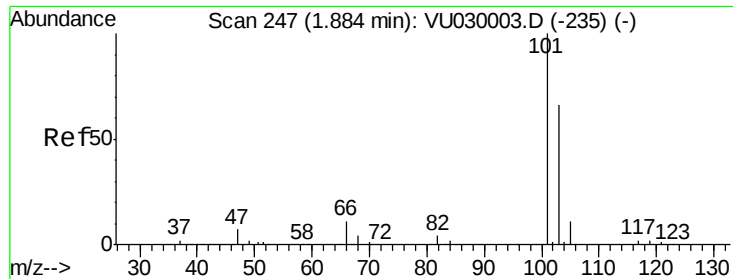
66 37.1 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 0.552 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion:101 Resp: 15715

Ion Ratio Lower Upper

101 100

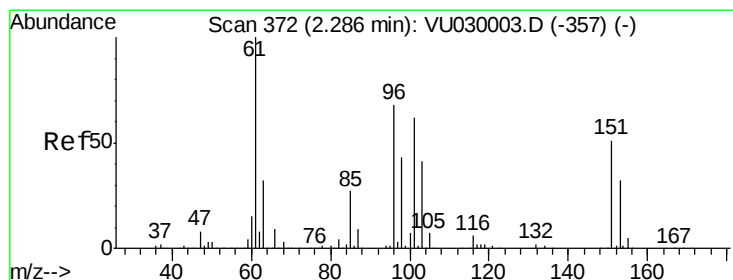
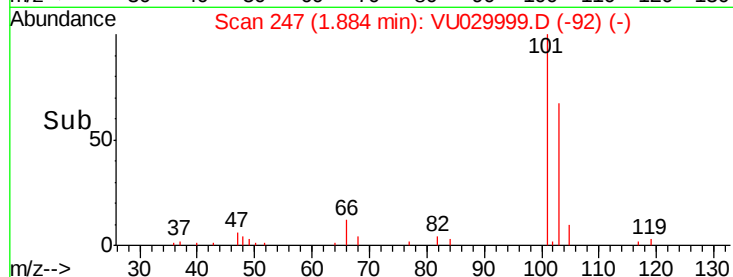
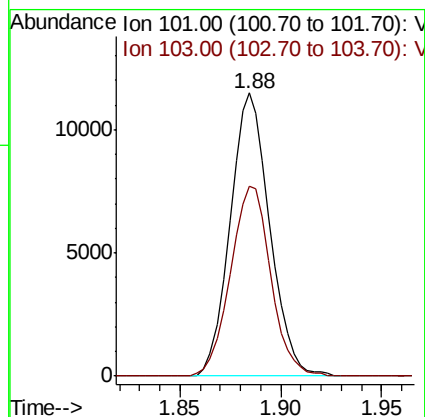
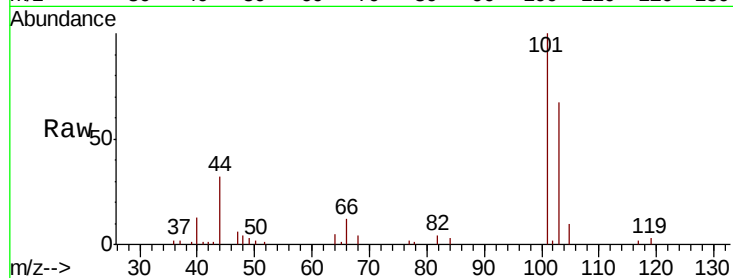
103 67.0 52.6 79.0

Manual Integrations

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#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.560 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

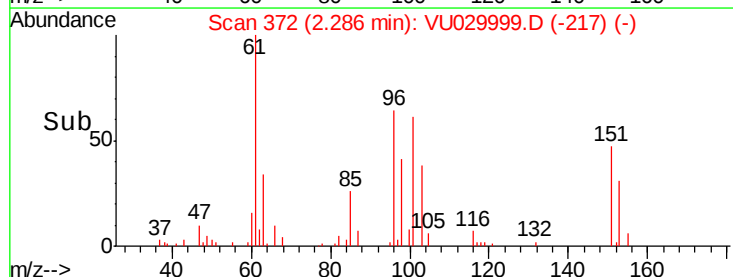
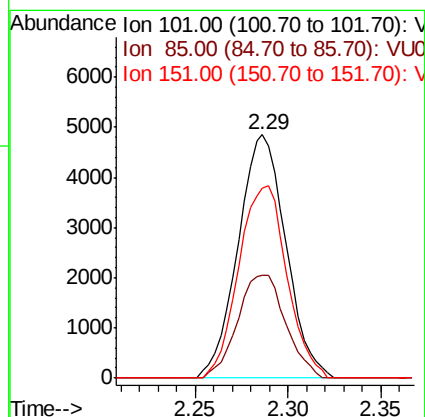
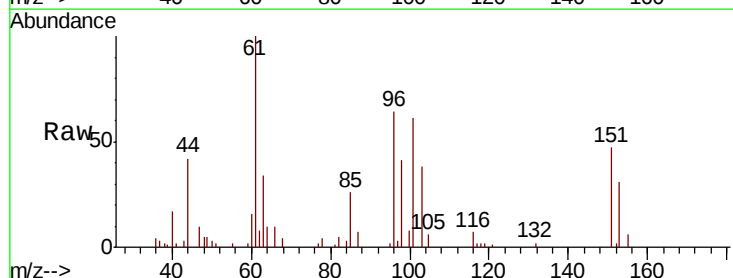
Tgt Ion:101 Resp: 8672

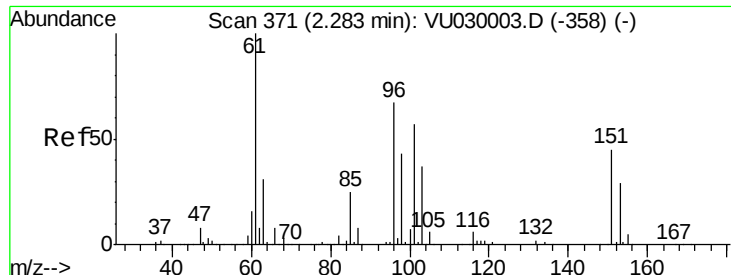
Ion Ratio Lower Upper

101 100

85 42.6 33.6 50.4

151 79.6 65.0 97.4





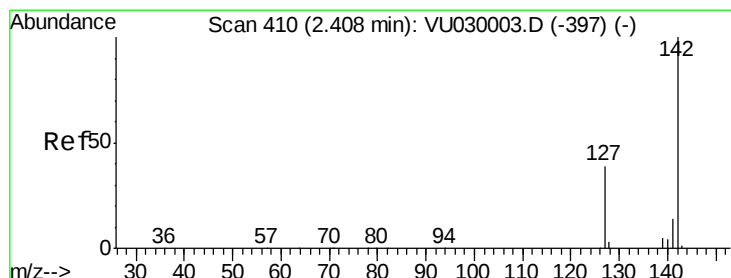
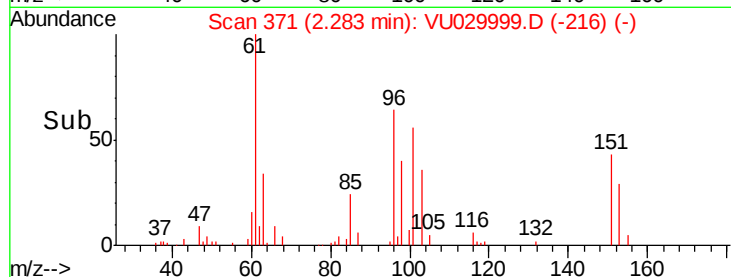
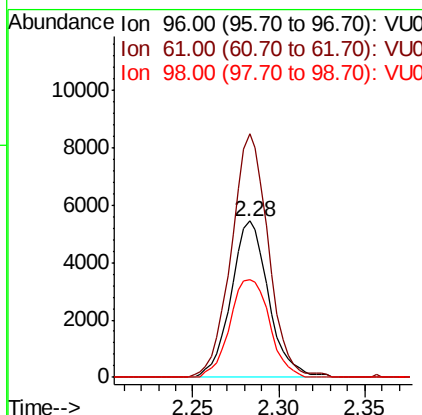
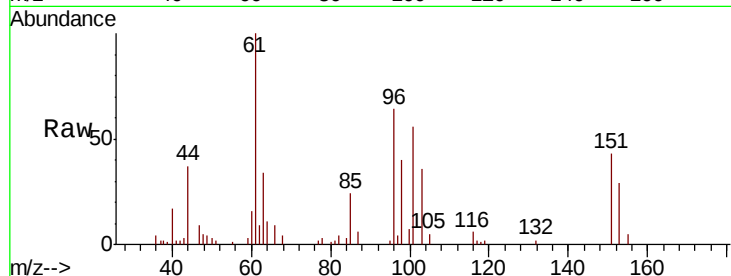
#9
 1,1-Dichloroethene
 Concen: 0.541 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8308		
61	155.7	0.0	447.0	
98	62.6	0.0	129.2	

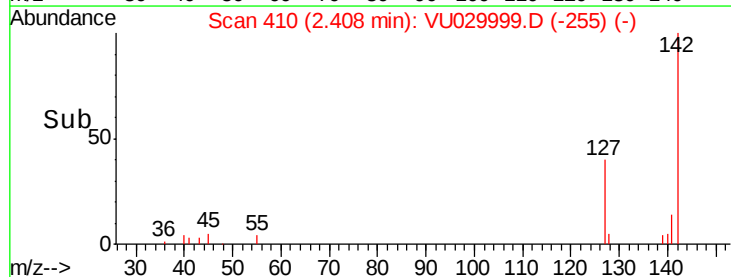
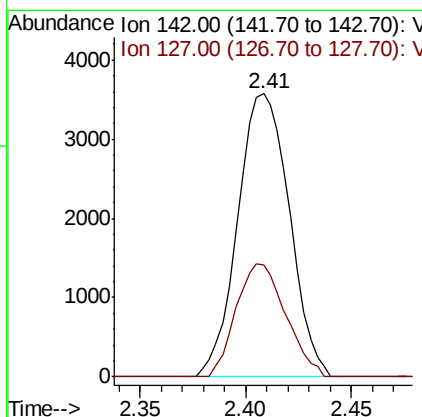
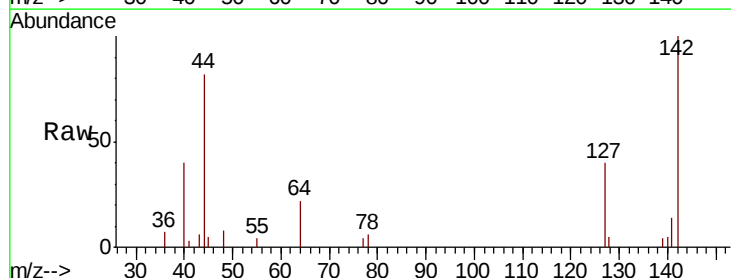
Manual Integrations
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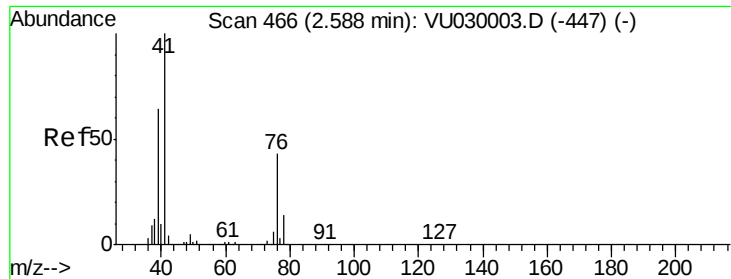
MMDadoda
 3/13/2019 12:55:17 PM



#10
 Iodomethane
 Concen: 0.457 ug/l
 RT: 2.41 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	6076		
127	38.2	32.2	48.4	





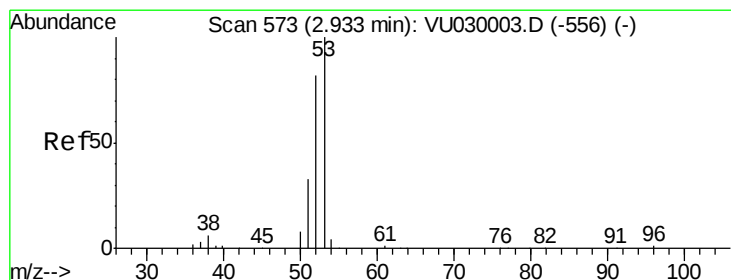
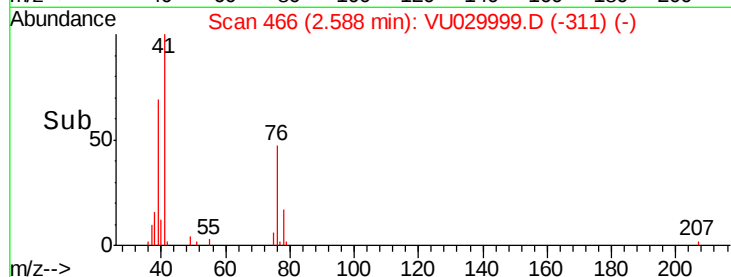
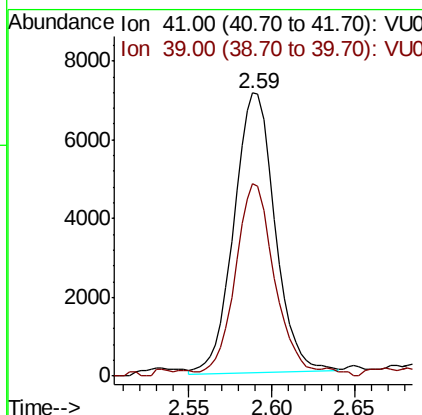
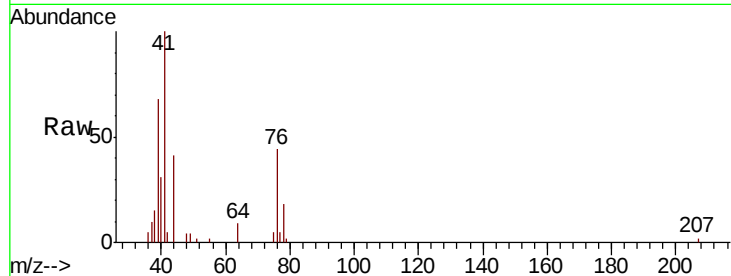
#11
 Allyl Chloride
 Concen: 0.561 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 12167
 Ion Ratio Lower Upper
 41 100
 39 67.9 50.8 76.2

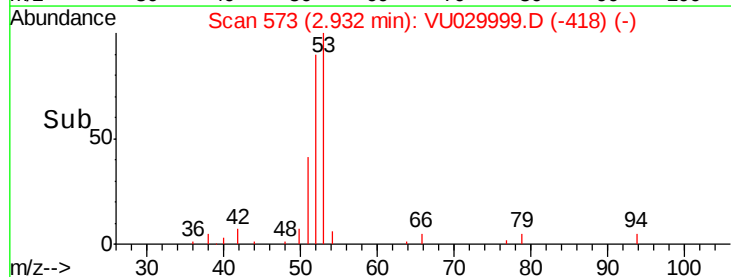
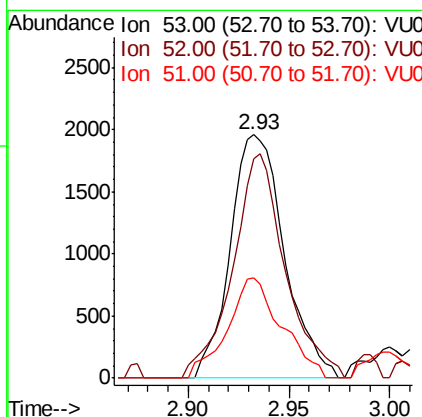
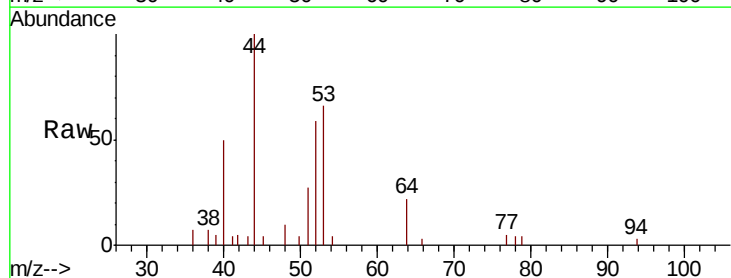
Manual Integrations
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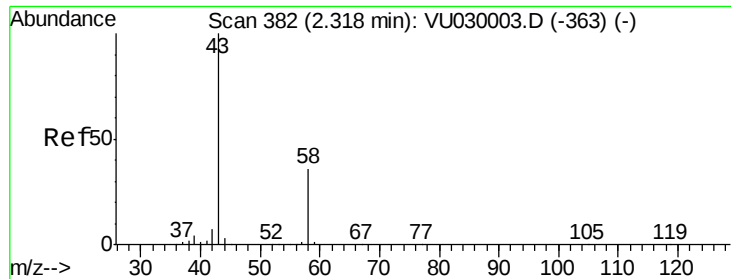
MMDadoda
 3/13/2019 12:55:17 PM



#12
 Acrylonitrile
 Concen: 1.105 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion: 53 Resp: 3672
 Ion Ratio Lower Upper
 53 100
 52 89.5 66.3 99.5
 51 41.2 26.9 40.3#





#13

Acetone

Concen: 3.432 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 9929

Ion Ratio Lower Upper

43 100

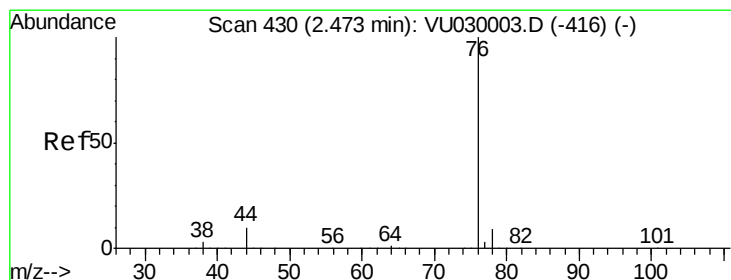
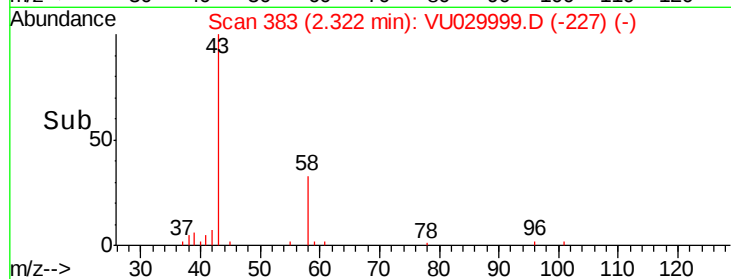
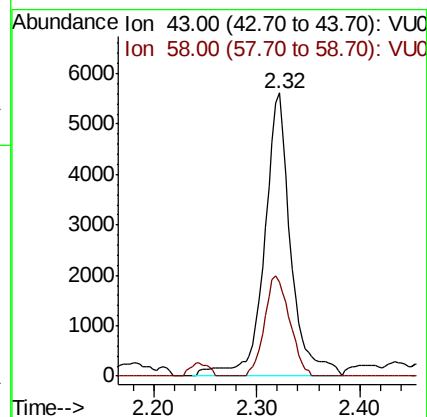
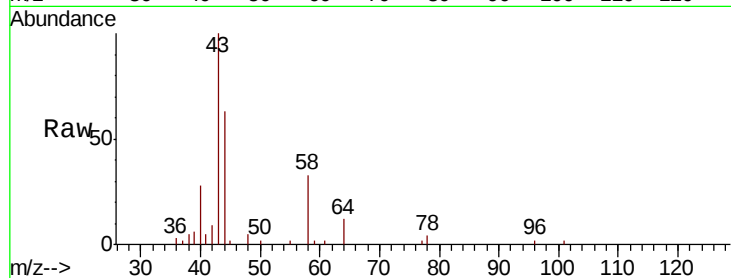
58 33.2 28.6 43.0

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#14

Carbon Disulfide

Concen: 0.570 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029999.D

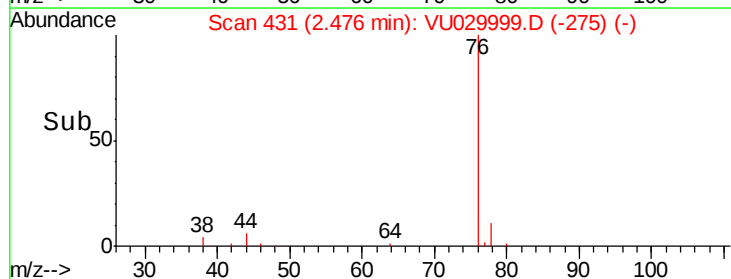
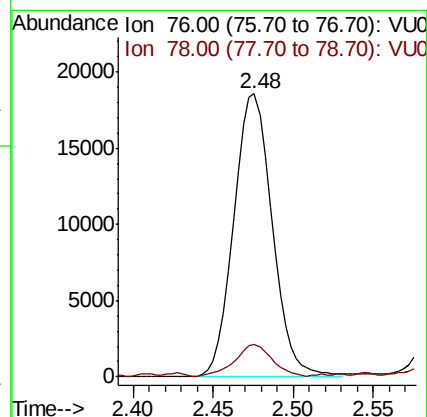
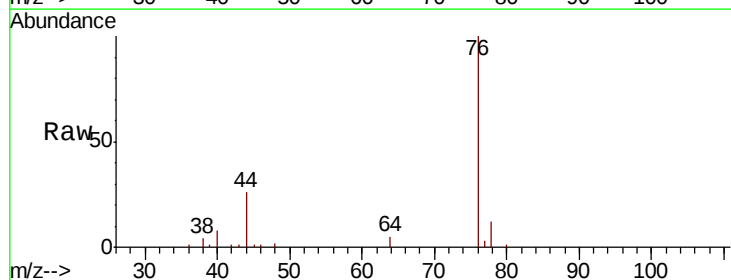
Acq: 12 Mar 2019 09:50

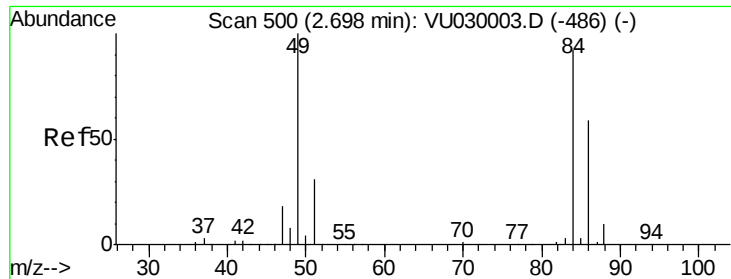
Tgt Ion: 76 Resp: 30491

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.2#





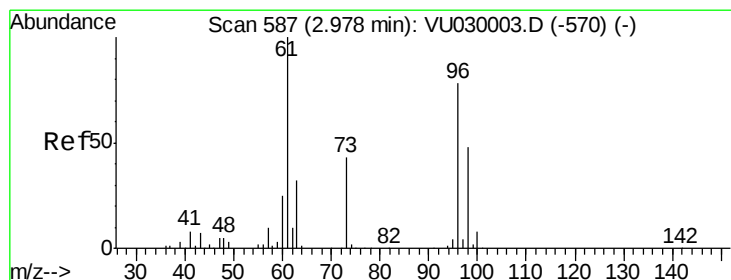
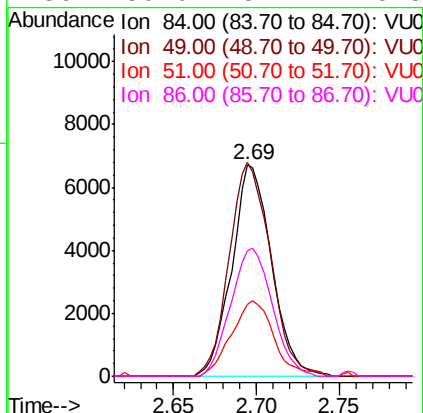
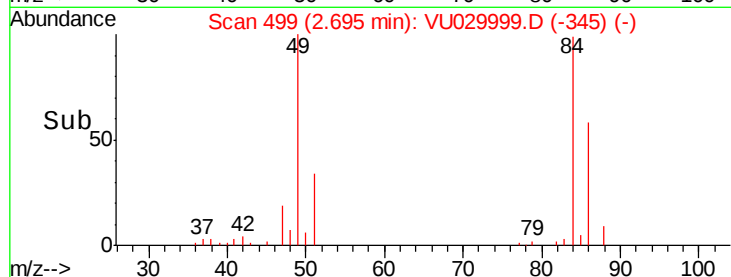
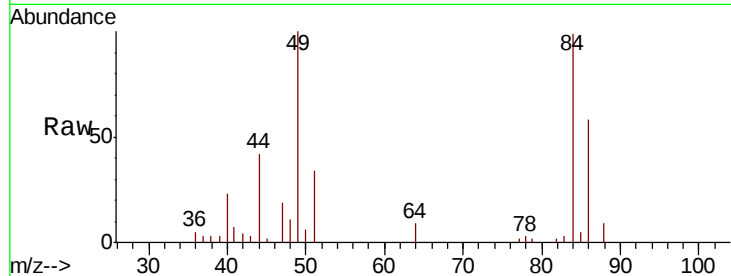
#15
Methylene Chloride
Concen: 0.614 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tgt Ion:	84	Resp:	11223
Ion	Ratio	Lower	Upper
84	100		
49	101.0	86.5	129.7
51	34.0	0.0	66.8
86	59.0	51.2	76.8

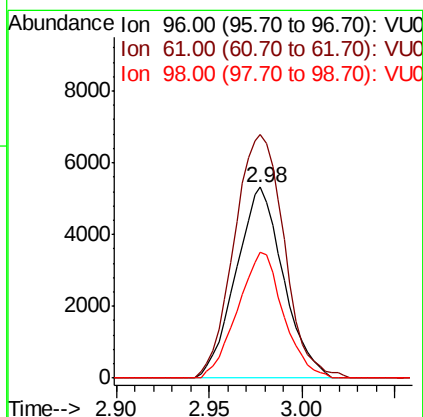
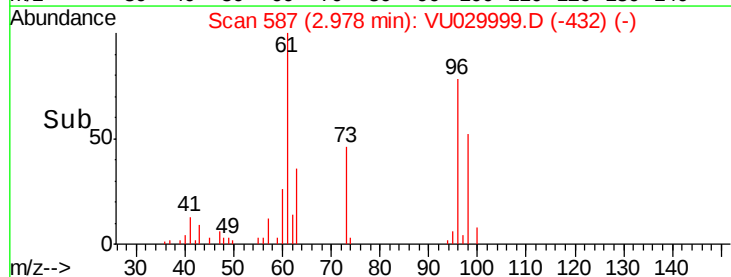
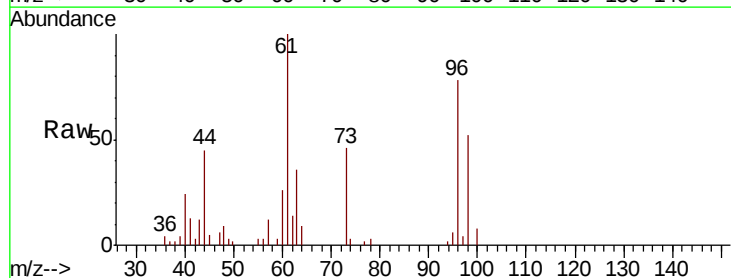
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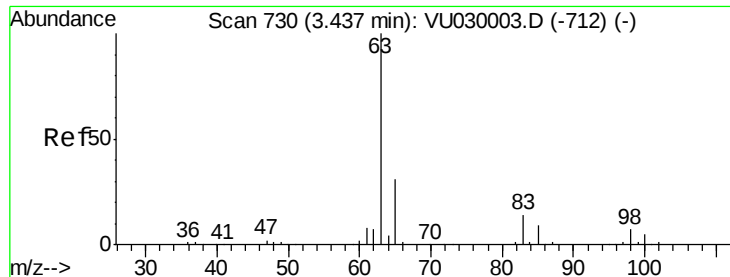
MMDadoda
3/13/2019 12:55:17 PM



#16
trans-1,2-Dichloroethene
Concen: 0.535 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion:	96	Resp:	9476
Ion	Ratio	Lower	Upper
96	100		
61	127.5	103.0	154.6
98	65.9	49.5	74.3





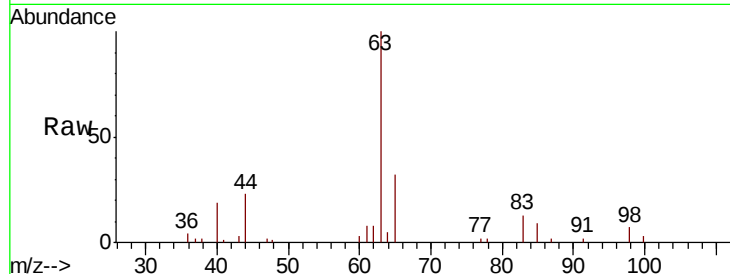
#17
 1,1-Dichloroethane
 Concen: 0.534 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

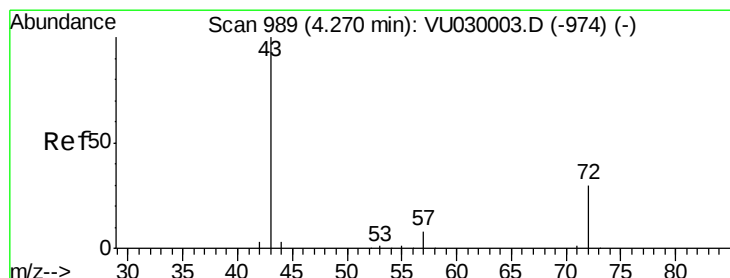
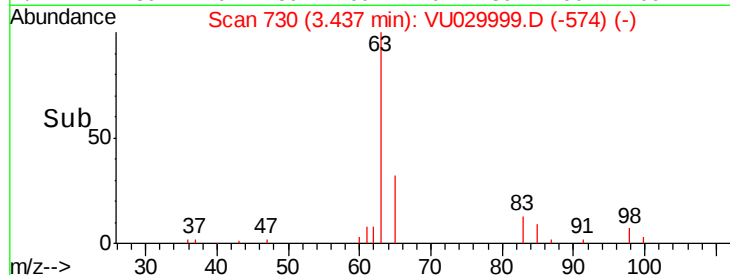
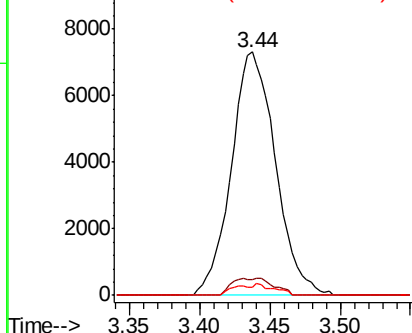
Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.2
100	3.1	2.3	6.8

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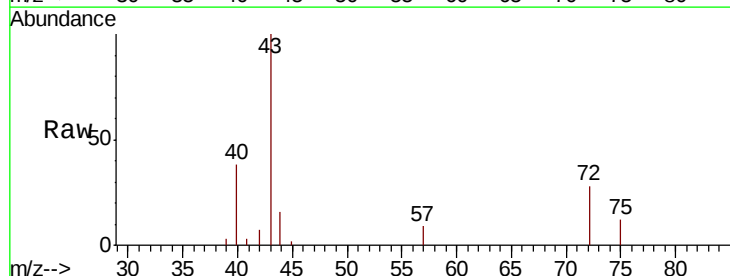


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

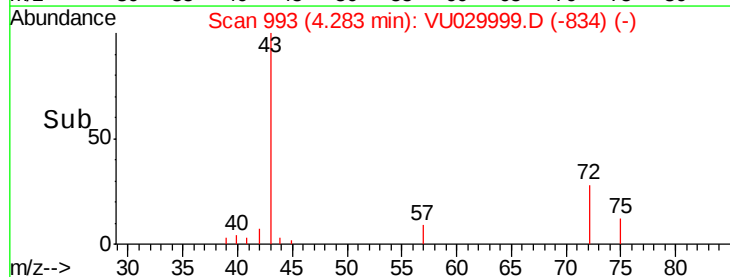
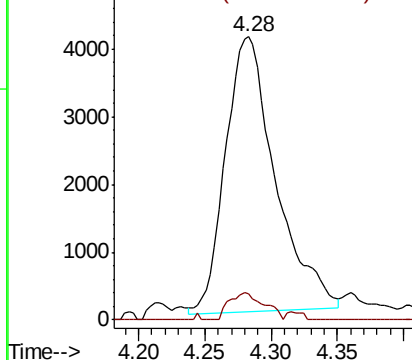


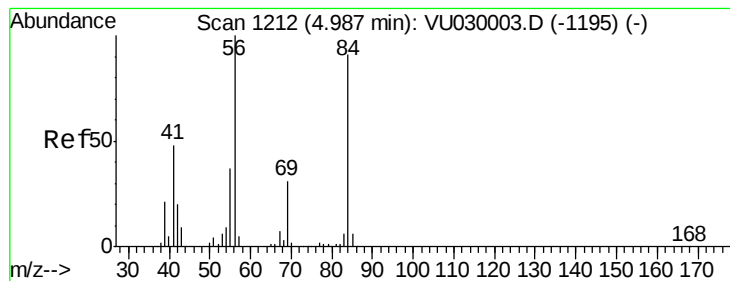
#18
 2-Butanone
 Concen: 2.680 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.5	0.0	16.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 0.508 ug/l m

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

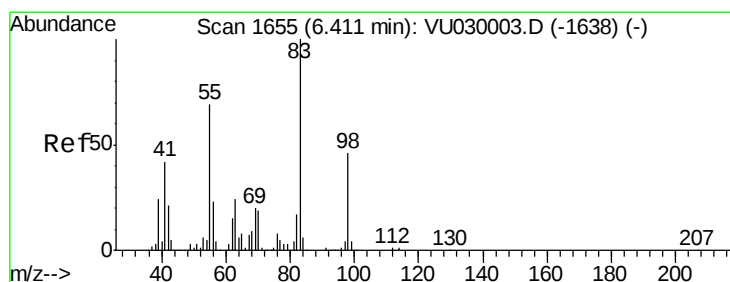
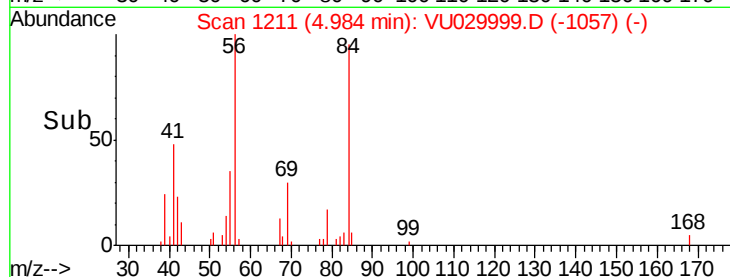
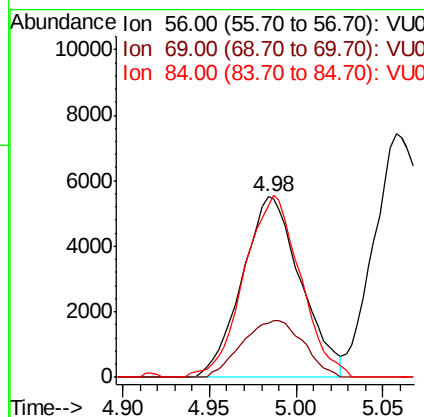
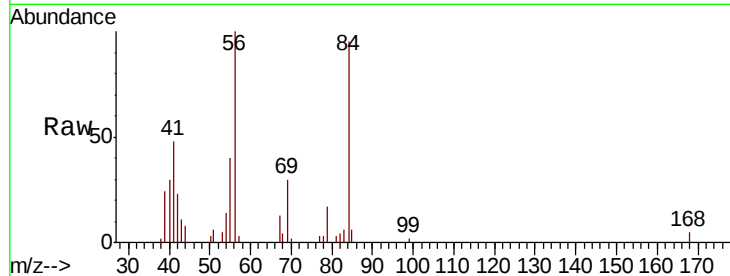
ClientSampleId :

VSTDIC0.5

Tgt Ion:	56	Resp:	13000
Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.7	38.5
84	96.9	72.9	109.3

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#20

Methylcyclohexane

Concen: 0.525 ug/l

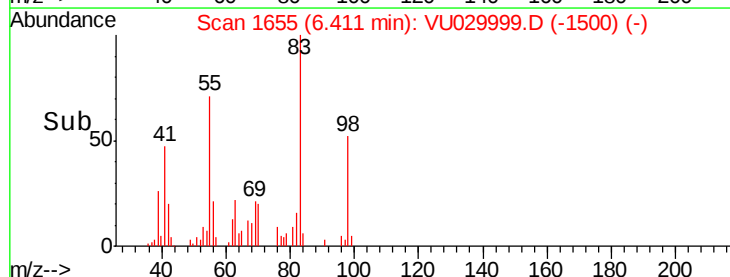
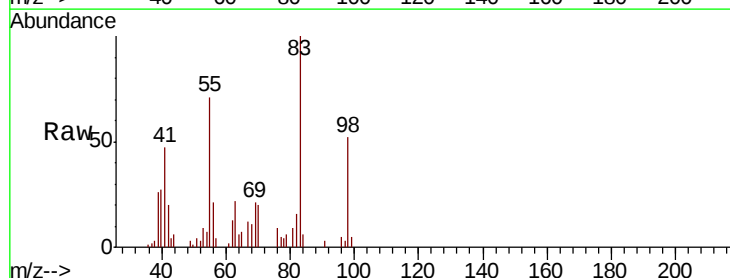
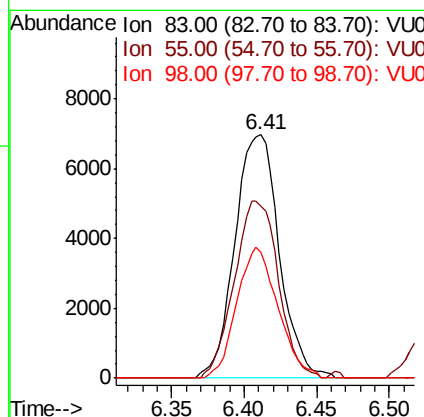
RT: 6.41 min Scan# 1655

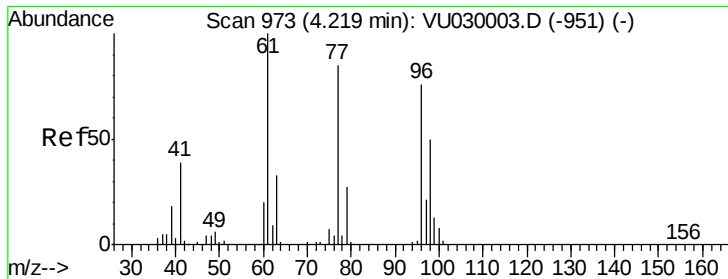
Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Tgt Ion:	83	Resp:	14876
Ion	Ratio	Lower	Upper
83	100		
55	72.0	55.6	83.4
98	50.0	37.4	56.0





#21

2,2-Dichloropropane

Concen: 0.561 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 77 Resp: 14129

Ion Ratio Lower Upper

77 100

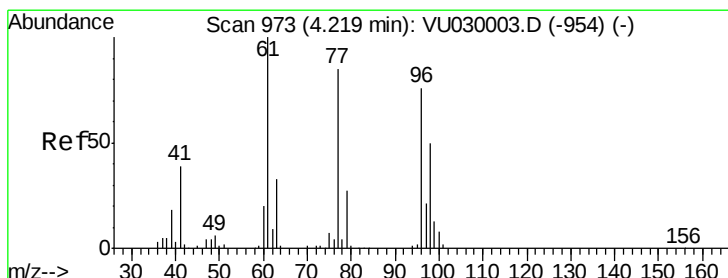
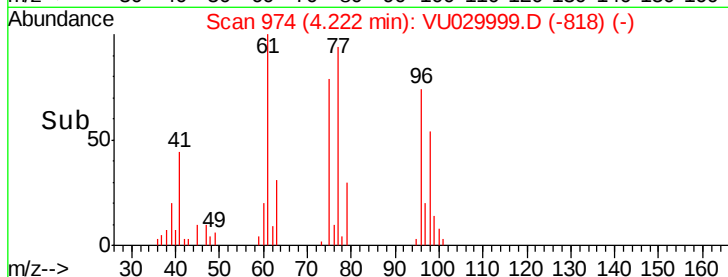
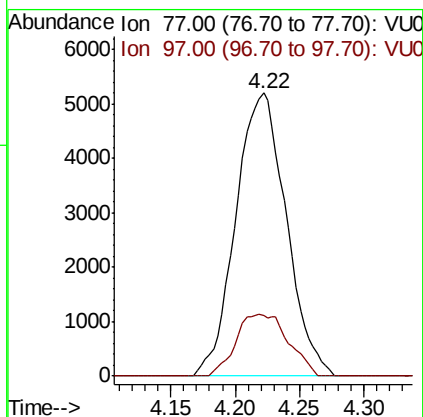
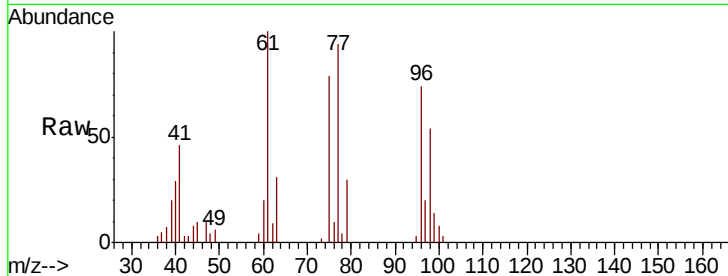
97 22.7 20.2 30.4

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#22

cis-1,2-Dichloroethene

Concen: 0.527 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

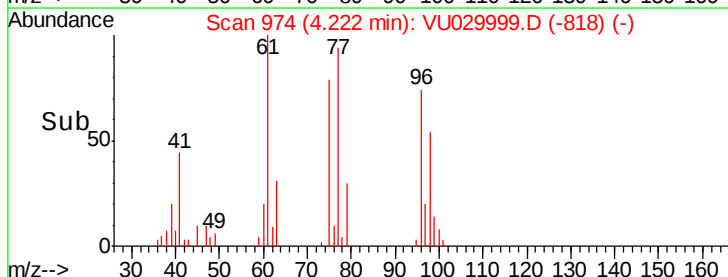
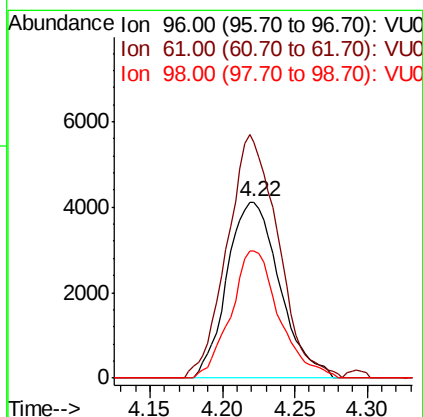
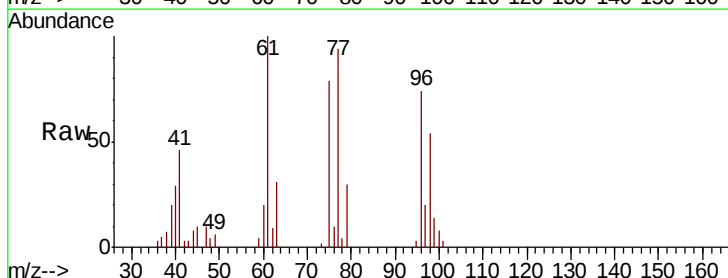
Tgt Ion: 96 Resp: 10380

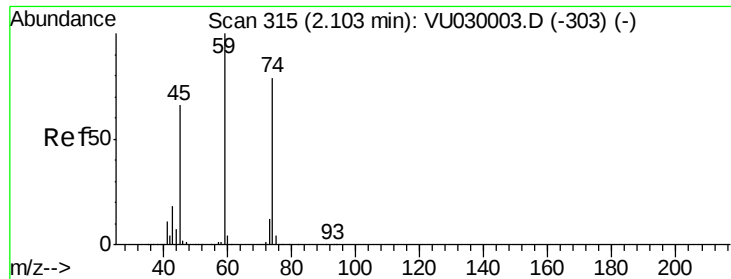
Ion Ratio Lower Upper

96 100

61 134.3 0.0 335.8

98 66.3 32.6 97.7





#23

Diethyl Ether

Concen: 0.544 ug/l

RT: 2.10 min Scan# 315

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

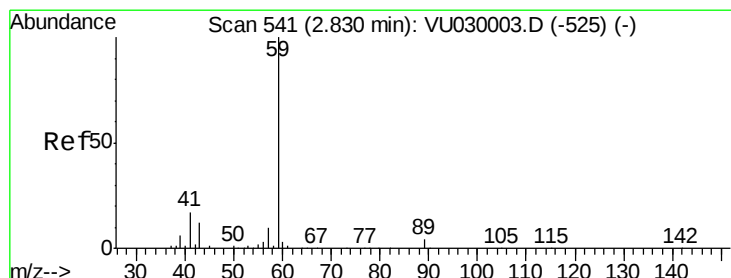
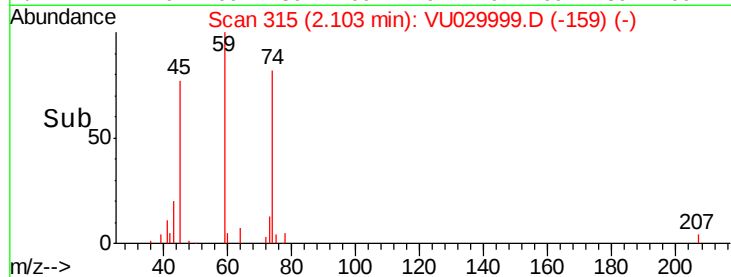
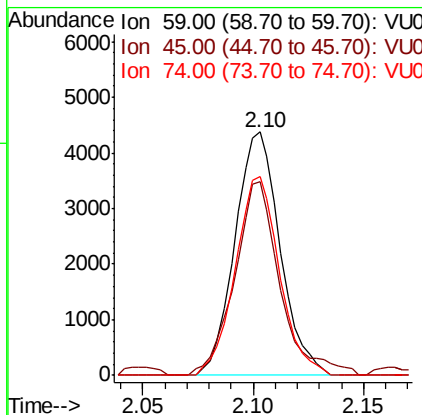
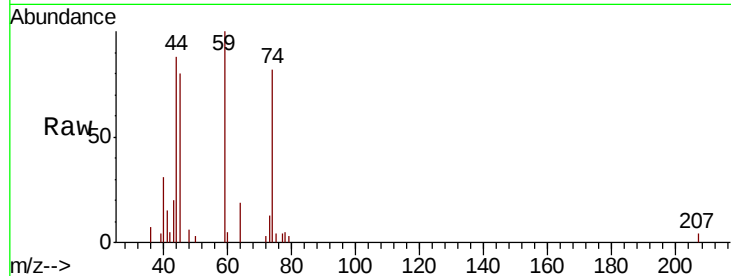
ClientSampleId :

VSTDIC0.5

Tgt Ion:	59	Resp:	6238
Ion	Ratio	Lower	Upper
59	100		
45	80.1	52.3	78.5#
74	79.9	61.1	91.7

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#24

tert-Butyl Alcohol

Concen: 5.638 ug/l

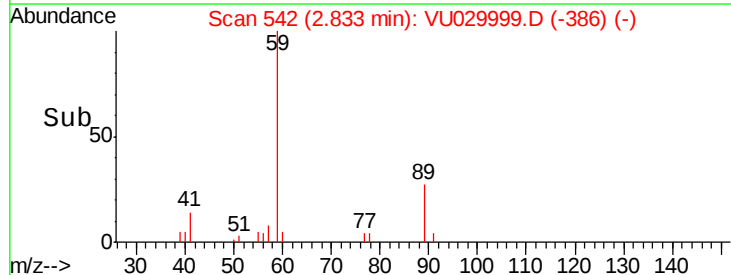
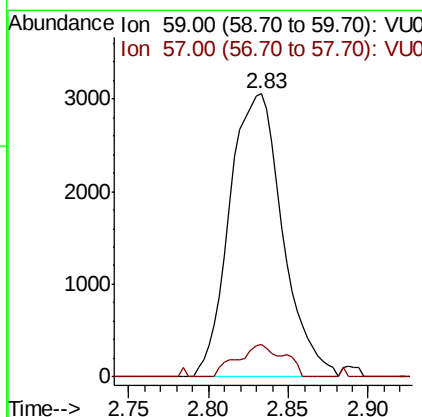
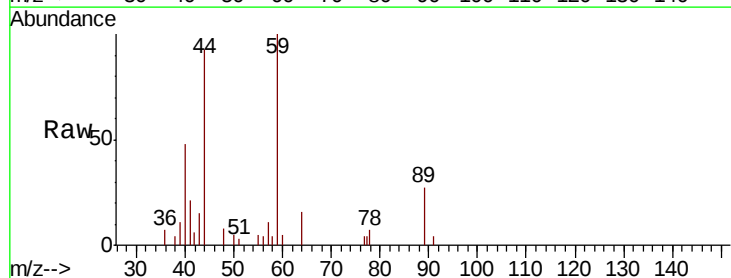
RT: 2.83 min Scan# 542

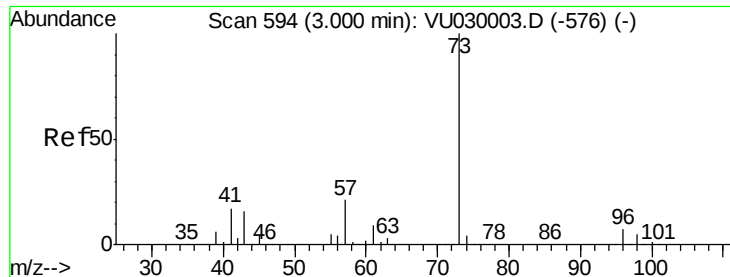
Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Tgt Ion:	59	Resp:	6918
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5





#25

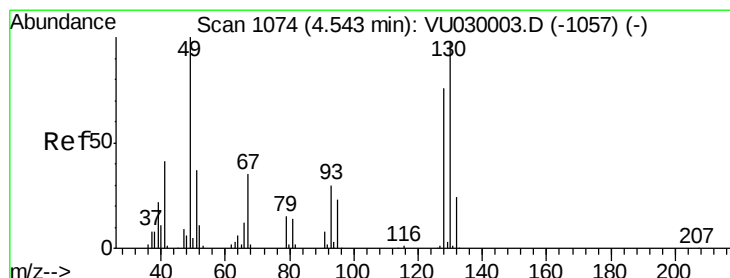
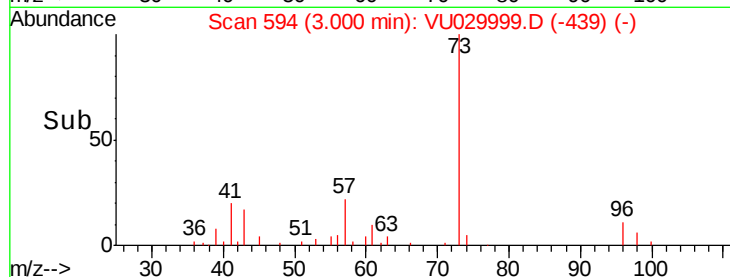
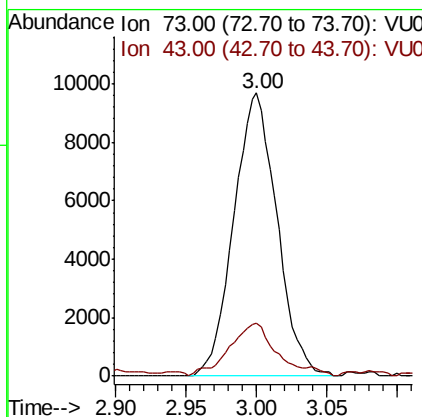
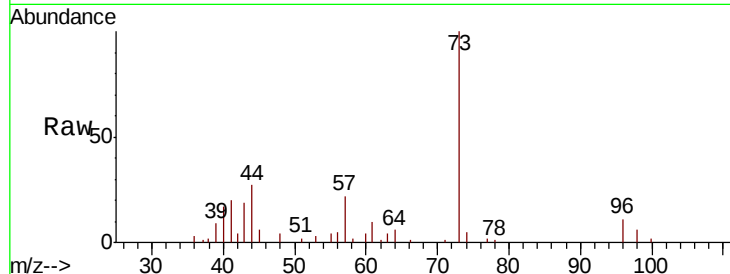
Methyl tert-Butyl Ether
Concen: 0.536 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 20756
Ion Ratio Lower Upper
73 100
43 20.7 13.1 19.7#

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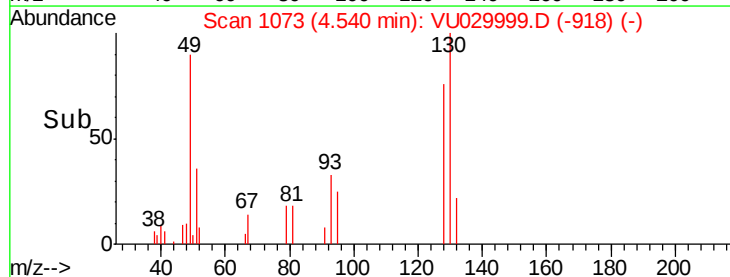
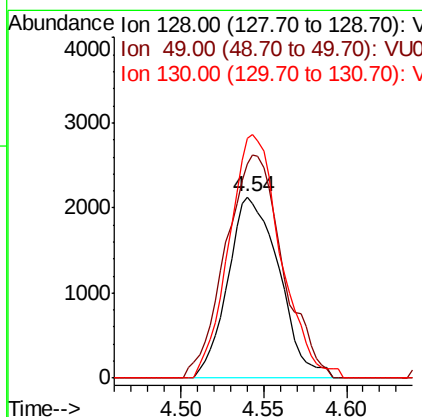
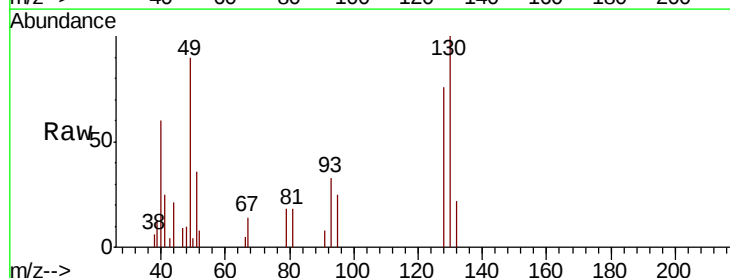
MMDadoda
3/13/2019 12:55:17 PM

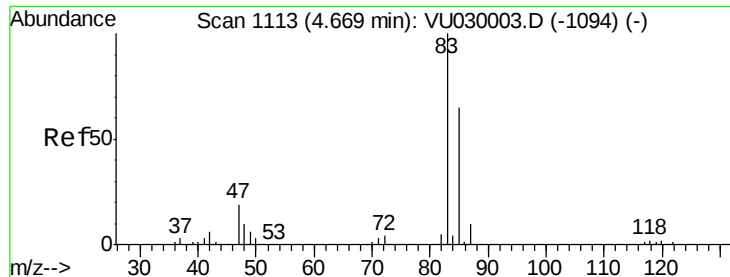


#26

Bromochloromethane
Concen: 0.532 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion: 128 Resp: 4587
Ion Ratio Lower Upper
128 100
49 136.8 0.0 270.4
130 135.6 102.6 153.8





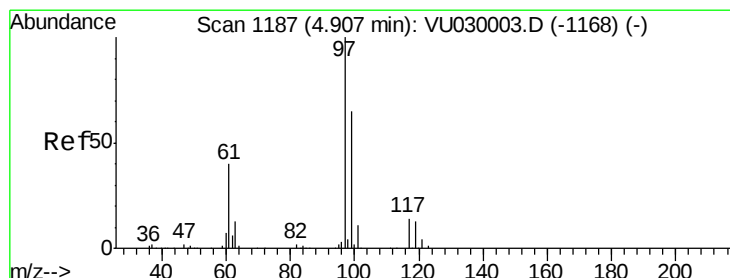
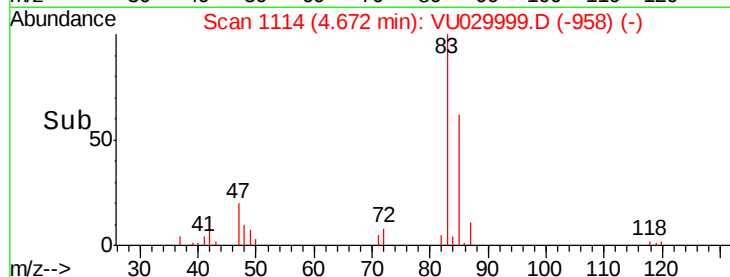
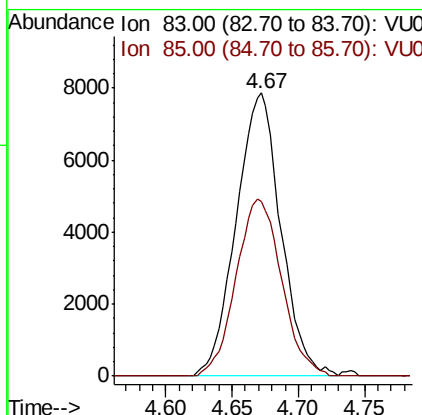
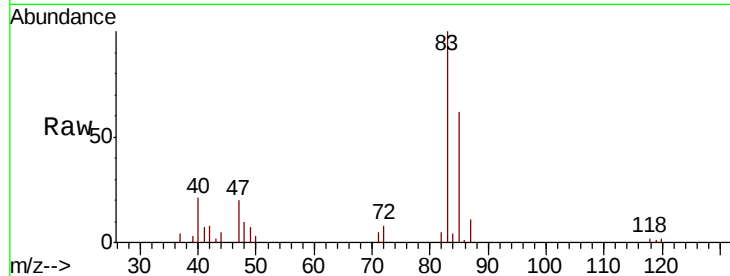
#27
Chloroform
Concen: 0.584 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	0.0	129.0

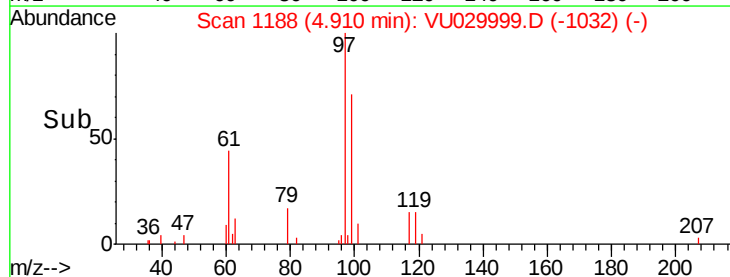
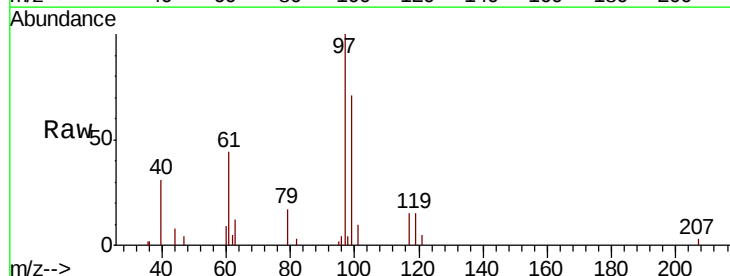
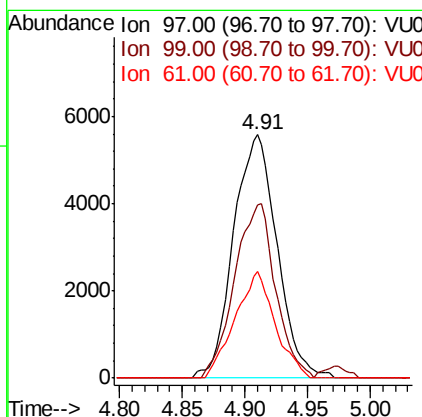
Manual Integrations
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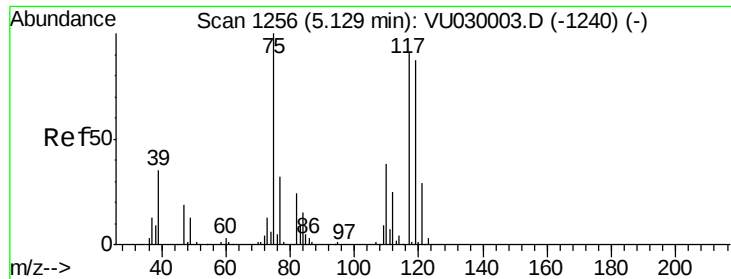
MMDadoda
3/13/2019 12:55:17 PM



#28
1,1,1-Trichloroethane
Concen: 0.520 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.4	32.4	97.0
61	40.1	20.4	61.2





#29

1,1-Dichloropropene

Concen: 0.536 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

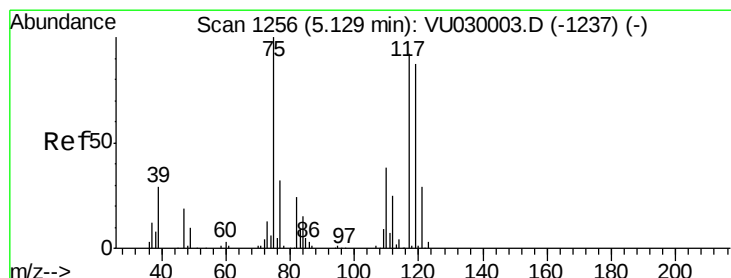
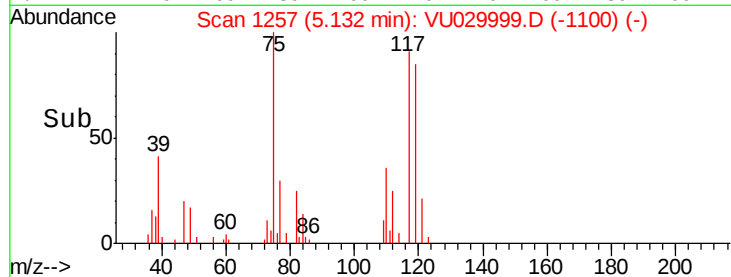
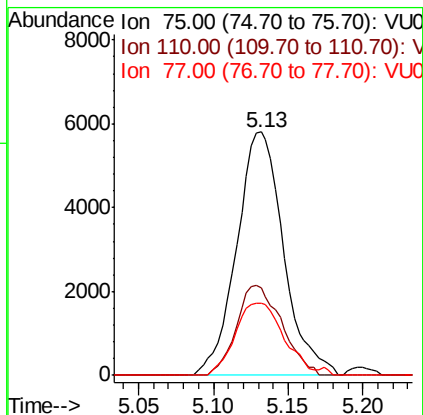
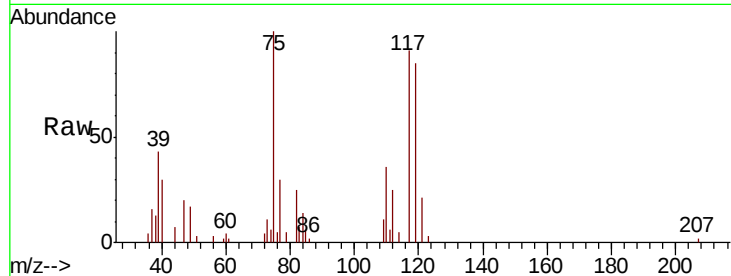
ClientSampleId :

VSTDIC0.5

Tgt Ion:	75	Resp:	12662
Ion	Ratio	Lower	Upper
75	100		
110	35.7	19.1	57.3
77	30.7	25.2	37.8

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3/13/2019 12:55:17 PM



#30

Carbon Tetrachloride

Concen: 0.524 ug/l m

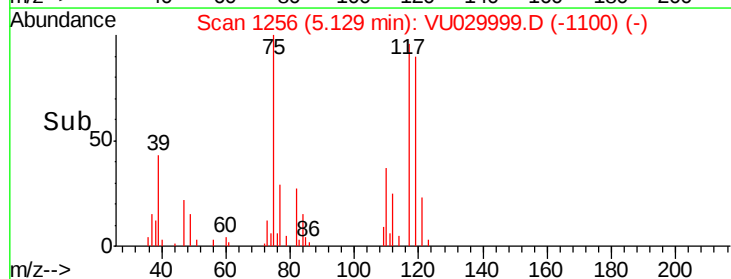
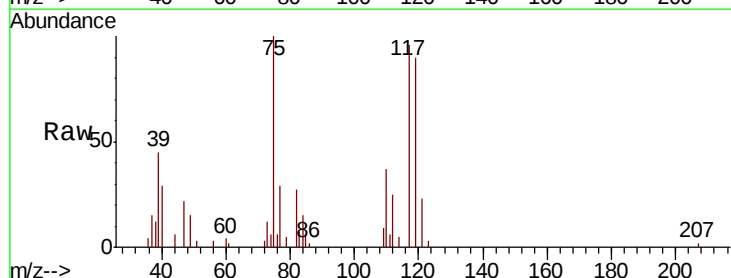
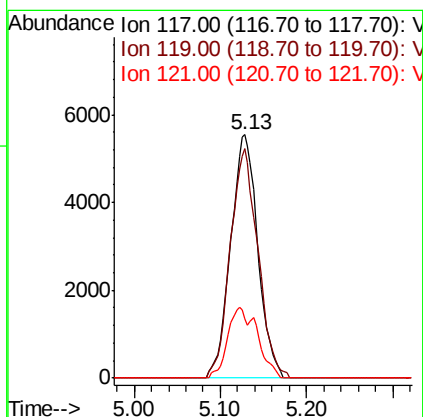
RT: 5.13 min Scan# 1256

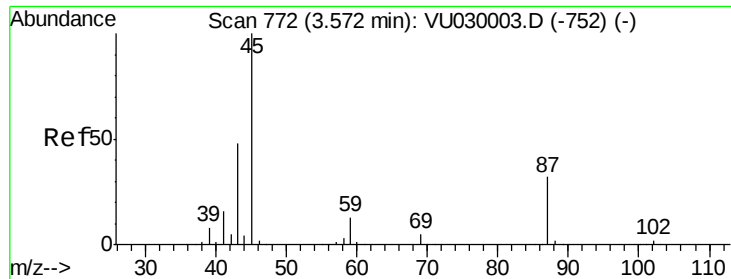
Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Tgt Ion:	117	Resp:	12143
Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.3	114.5
121	24.3	25.1	37.7#





#31

Isopropyl Ether

Concen: 0.545 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 22988

Ion Ratio Lower Upper

45 100

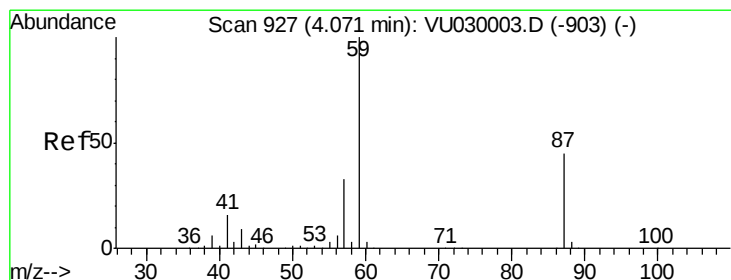
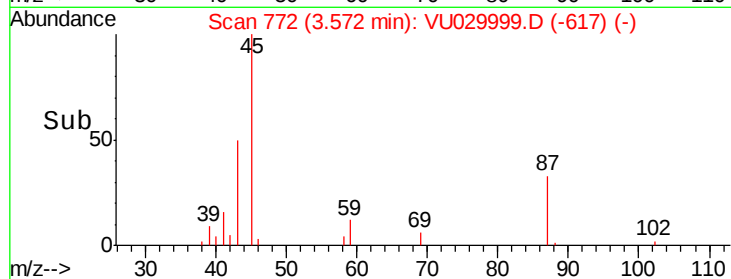
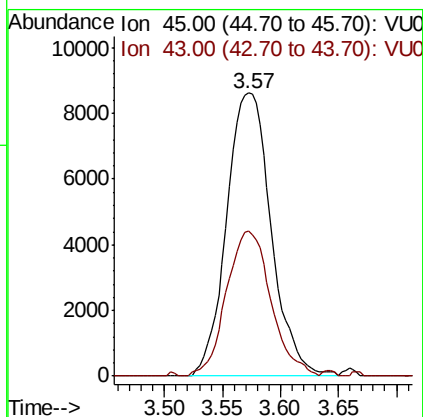
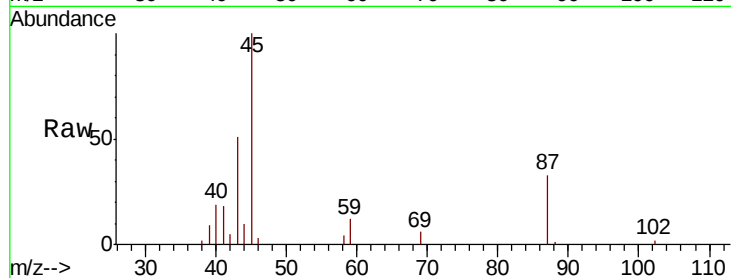
43 51.3 24.5 73.5

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.526 ug/l

RT: 4.06 min Scan# 925

Delta R.T. -0.01 min

Lab File: VU029999.D

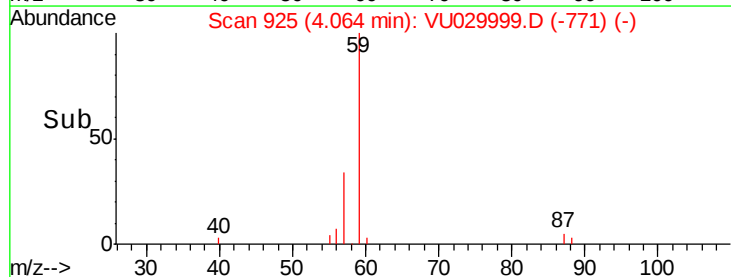
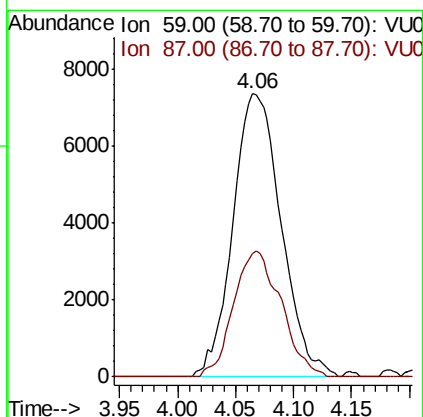
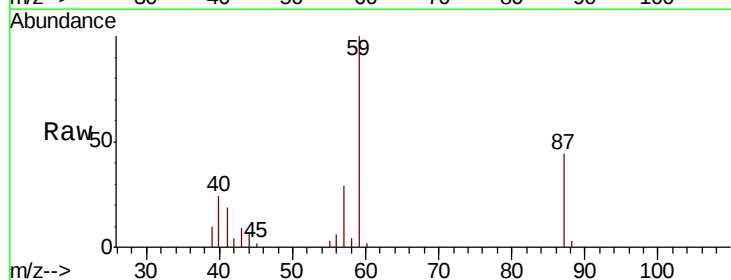
Acq: 12 Mar 2019 09:50

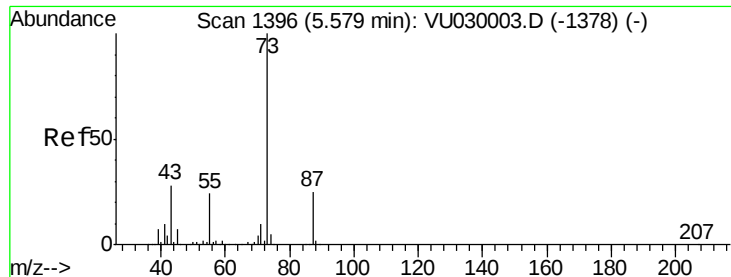
Tgt Ion: 59 Resp: 21369

Ion Ratio Lower Upper

59 100

87 43.8 36.2 54.4





#33

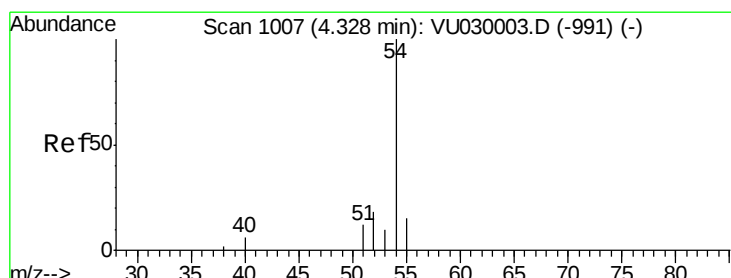
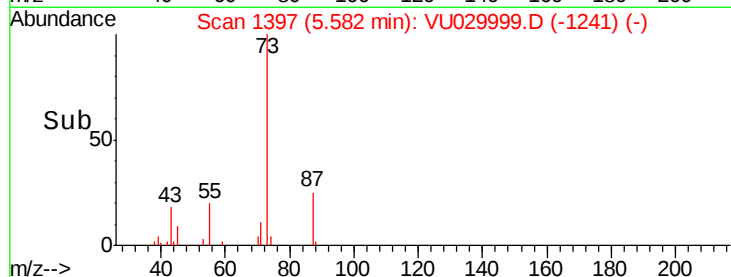
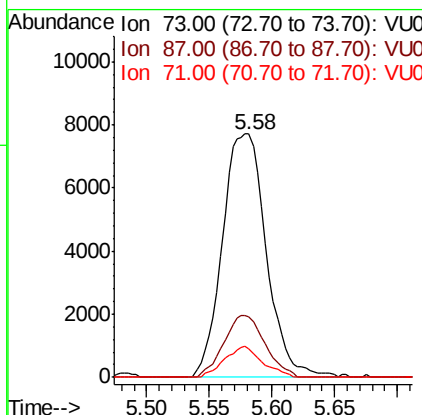
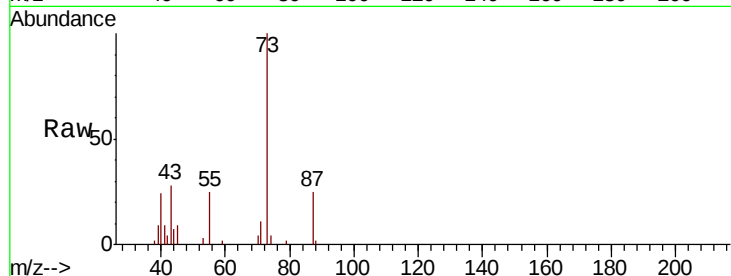
Tert-Amyl methyl ether
Concen: 0.504 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.9	19.7	29.5
71	10.9	8.6	13.0

Manual Integrations
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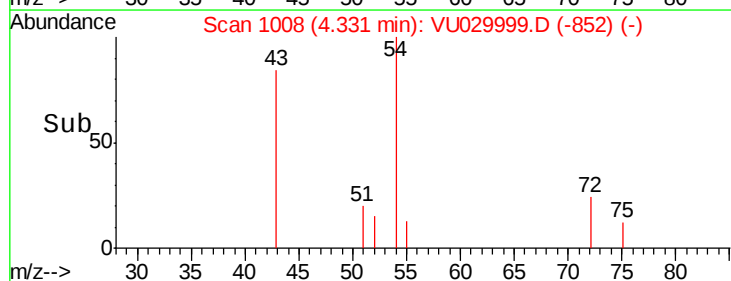
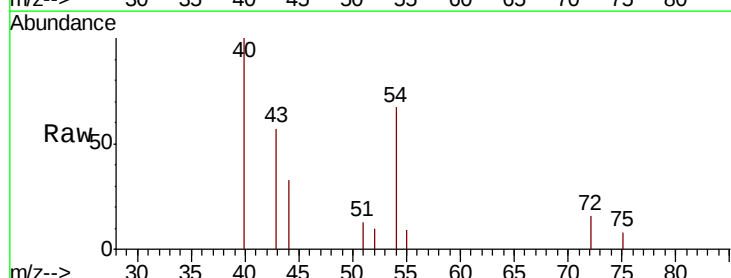
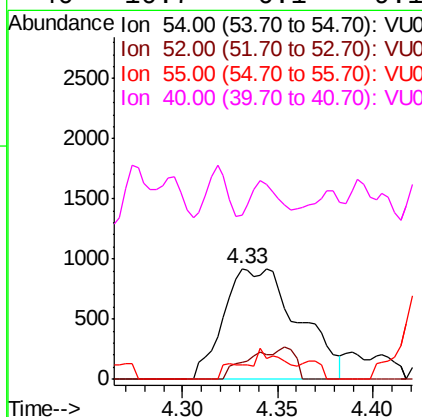
MMDadoda
3/13/2019 12:55:17 PM

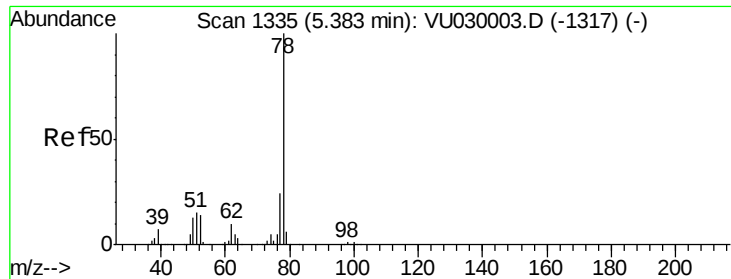


#34

Propionitrile
Concen: 2.210 ug/l m
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.8	23.6#
55	9.8	12.5	18.7#
40	10.7	6.1	9.1#





#35

Benzene

Concen: 0.523 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 78 Resp: 36102

Ion Ratio Lower Upper

78 100

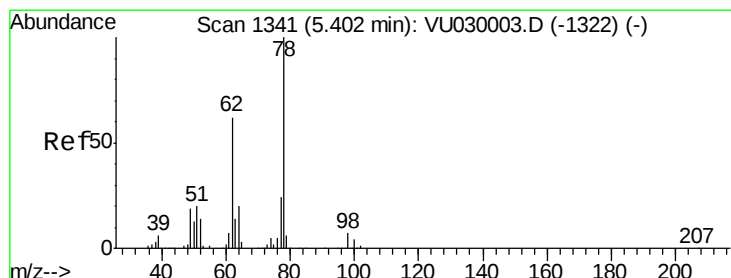
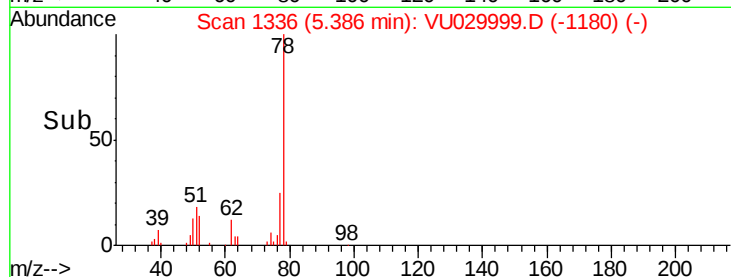
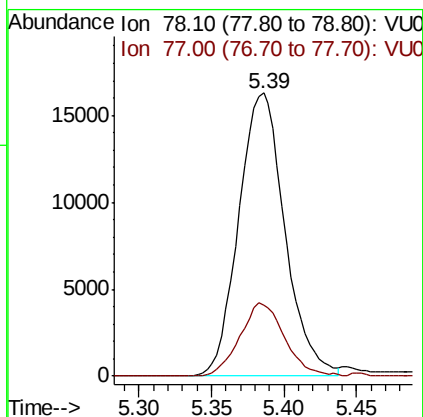
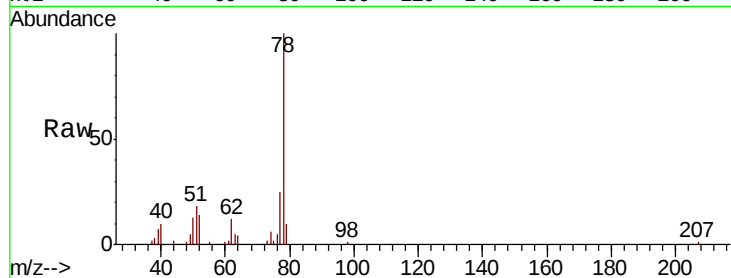
77 25.2 18.9 28.3

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 0.553 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029999.D

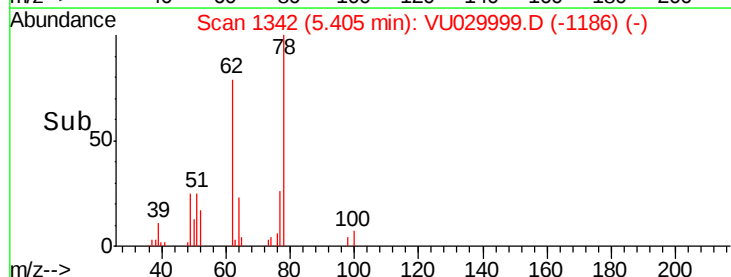
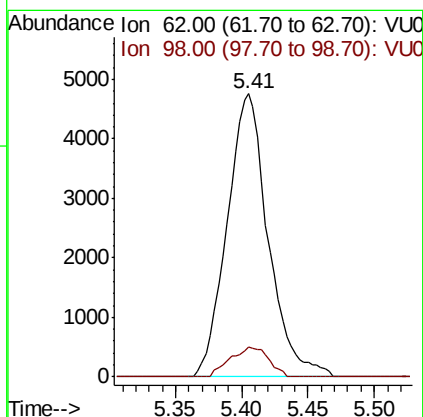
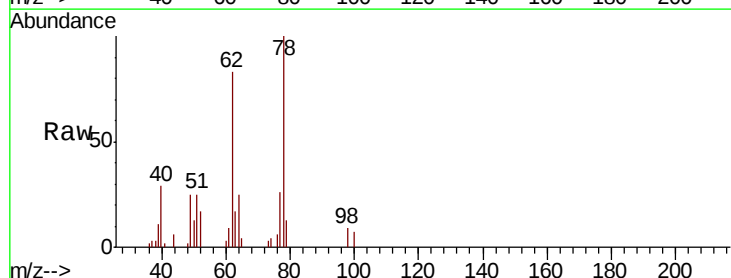
Acq: 12 Mar 2019 09:50

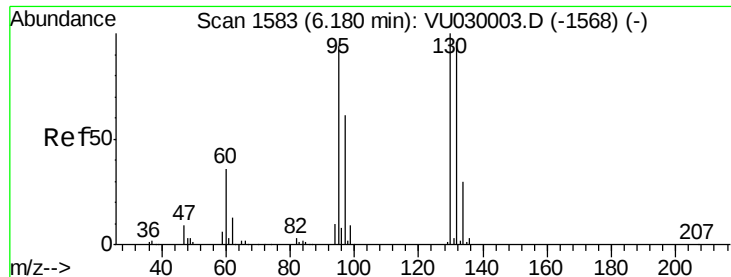
Tgt Ion: 62 Resp: 10221

Ion Ratio Lower Upper

62 100

98 9.9 8.4 12.6





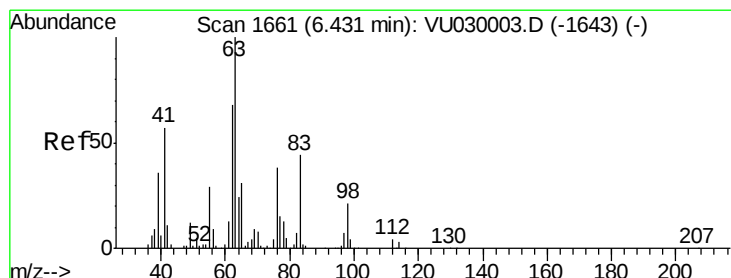
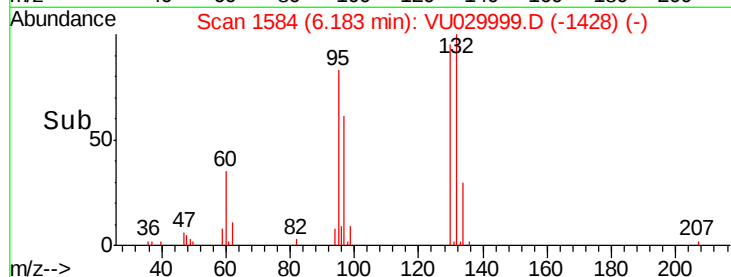
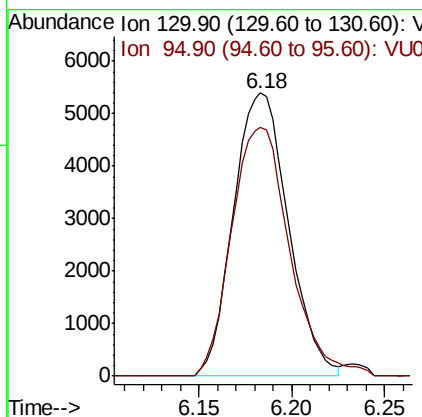
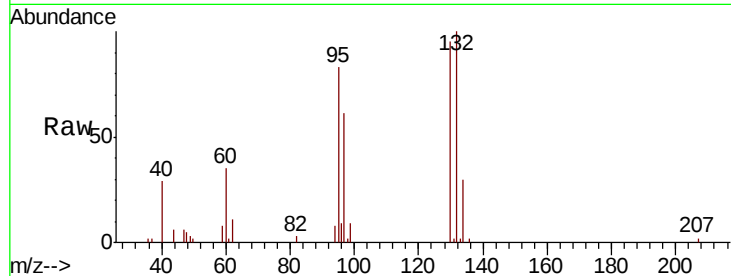
#37
 Trichloroethene
 Concen: 0.557 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 130 Resp: 11079
 Ion Ratio Lower Upper
 130 100
 95 87.8 75.2 112.8

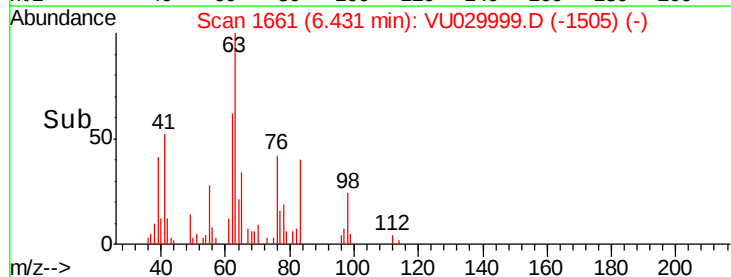
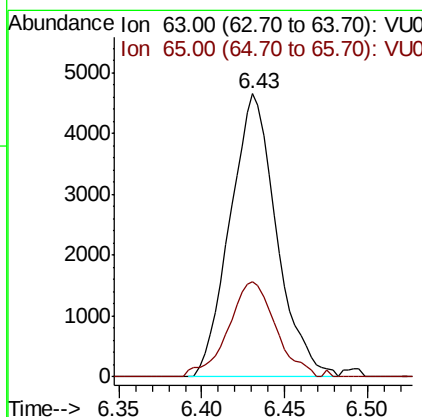
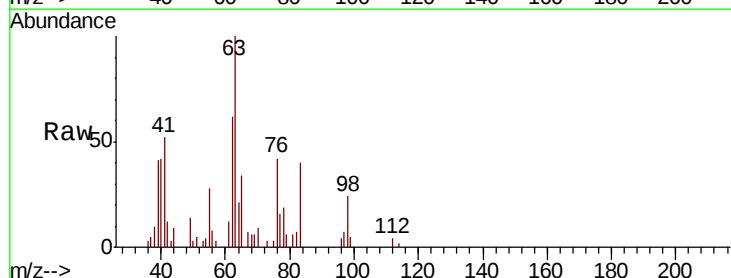
Manual Integrations
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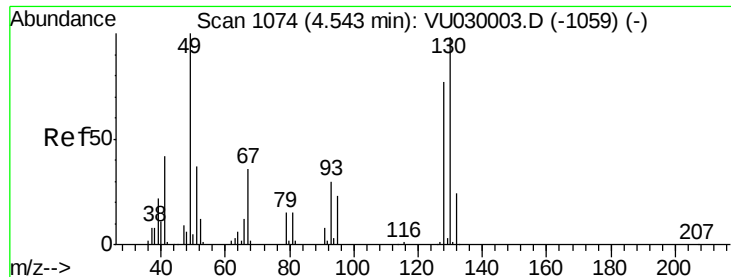
MMDadoda
 3/13/2019 12:55:17 PM



#38
 1,2-Dichloropropane
 Concen: 0.516 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion: 63 Resp: 9062
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.9 37.3





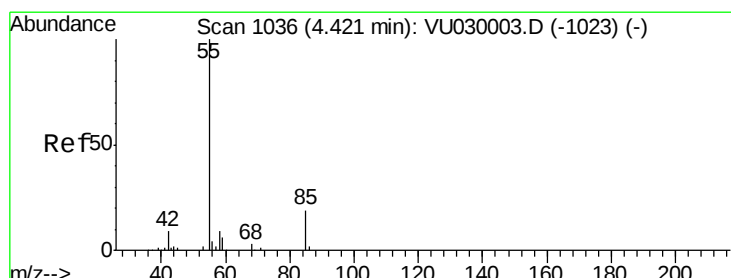
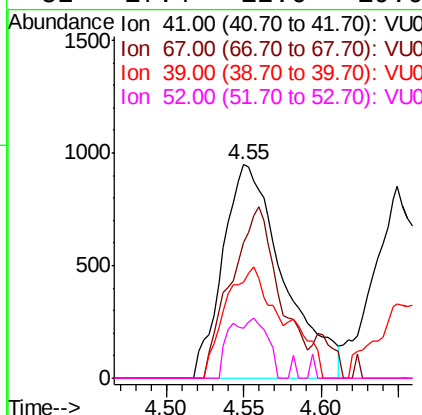
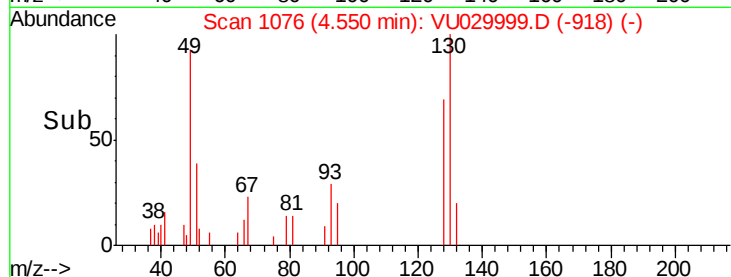
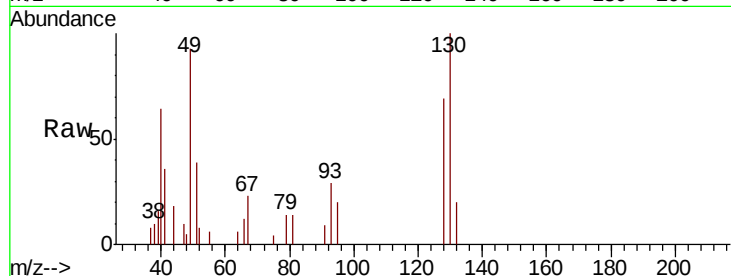
#39
Methacrylonitrile
Concen: 0.532 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
41	100		
67	63.9	71.4	107.0#
39	50.1	41.9	62.9
52	17.4	12.6	19.0

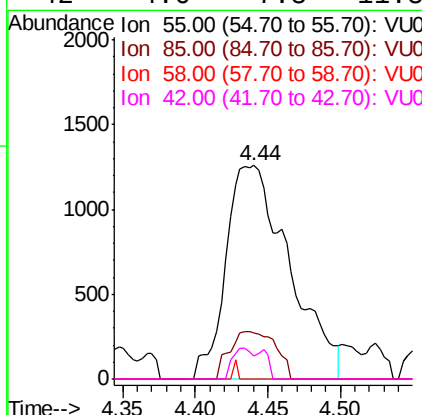
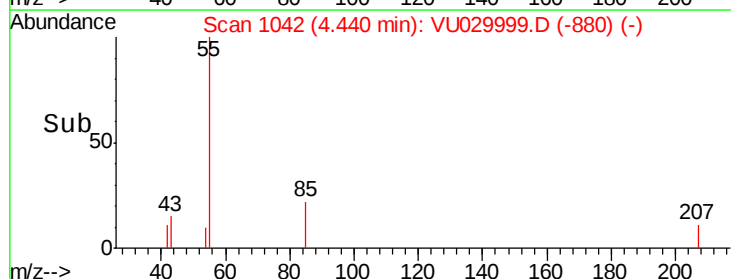
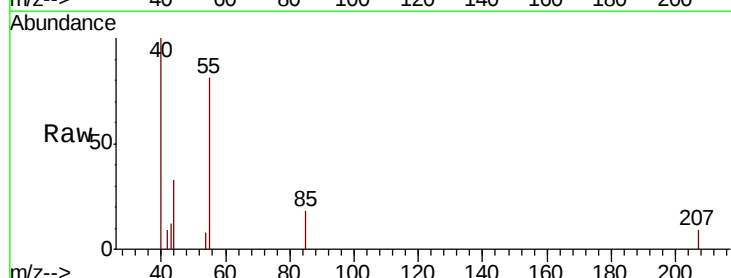
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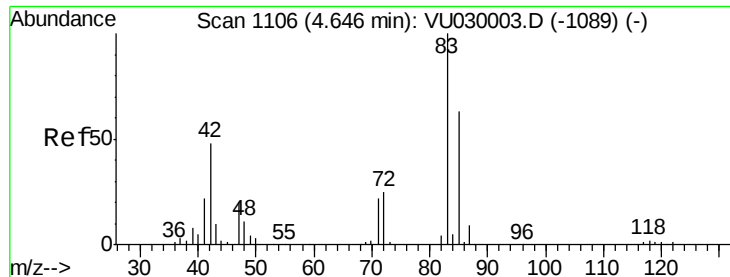
MMDadoda
3/13/2019 12:55:17 PM



#40
Methyl acrylate
Concen: 0.498 ug/l
RT: 4.44 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.1	16.2	24.2#
58	0.6	7.0	10.6#
42	4.6	7.8	11.8#





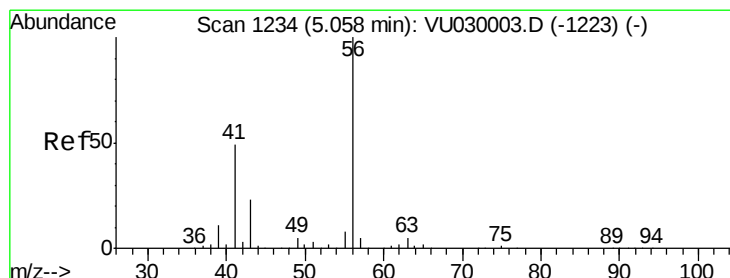
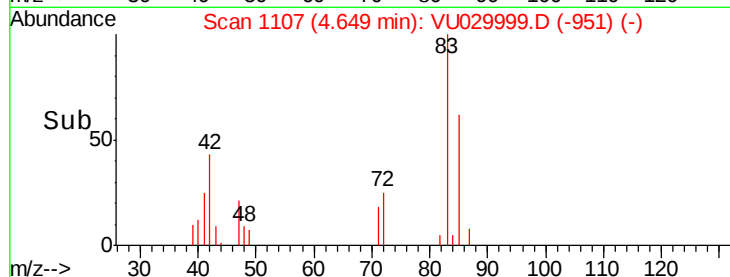
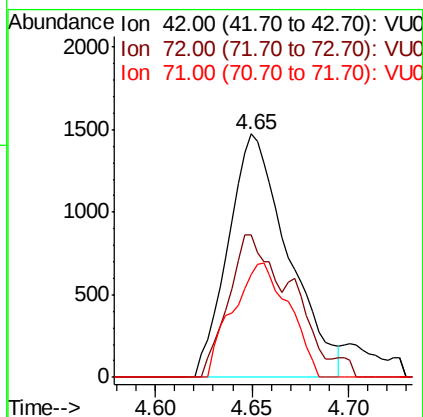
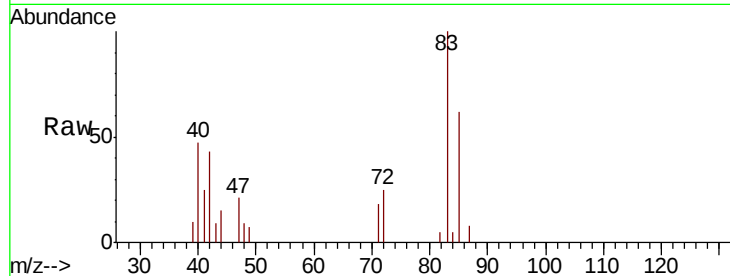
#41
Tetrahydrofuran
Concen: 1.182 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.1	44.9	67.3#
71	44.3	37.8	56.8

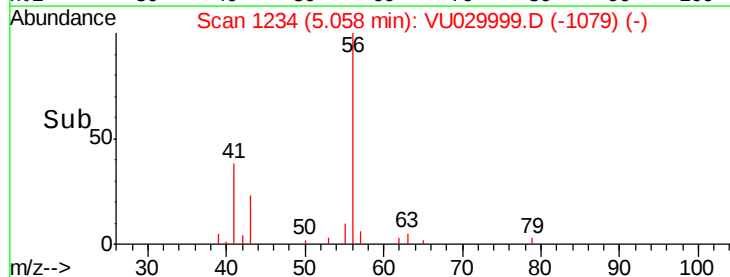
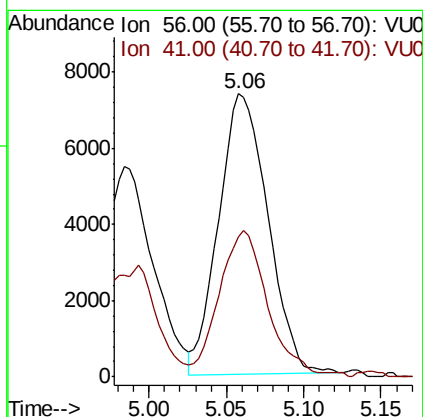
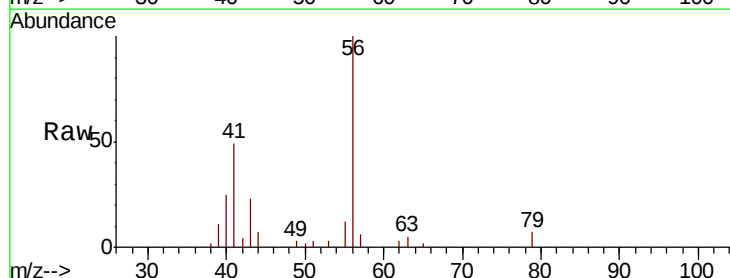
Manual Integrations
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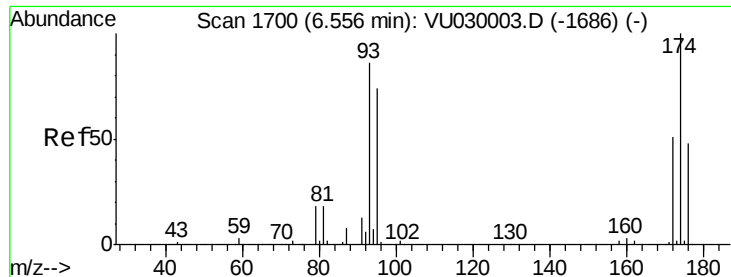
MMDadoda
3/13/2019 12:55:17 PM



#42
1-Chlorobutane
Concen: 0.525 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
56	100		
41	52.0	24.7	74.1





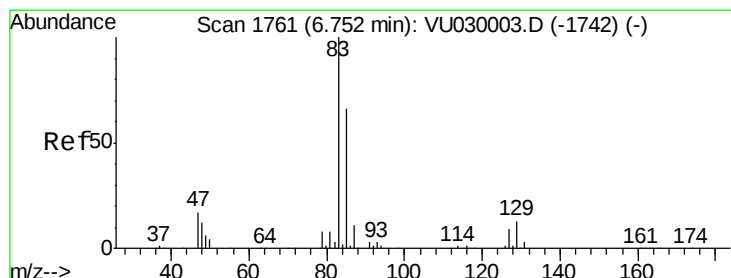
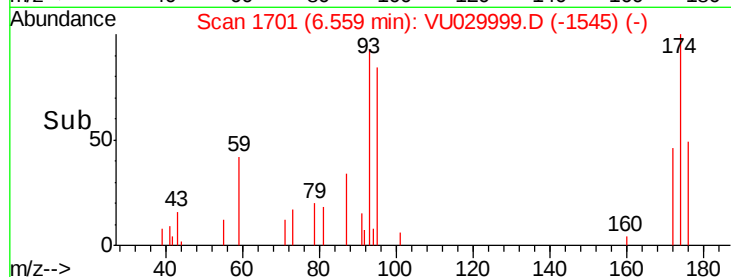
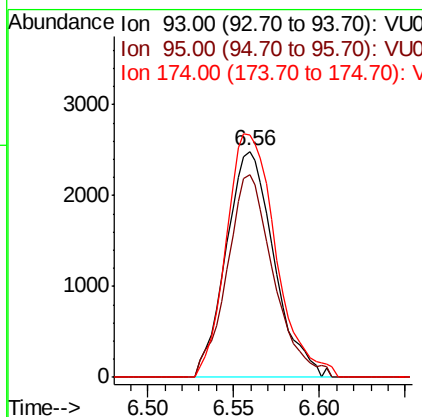
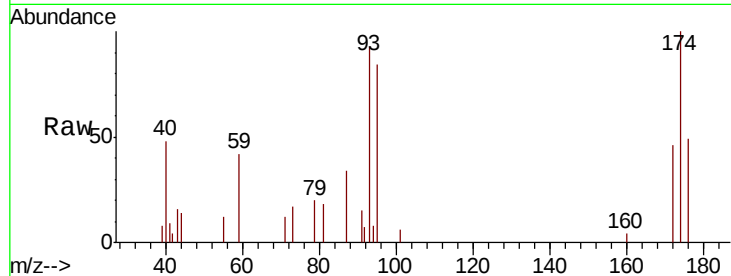
#43
Dibromomethane
Concen: 0.530 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 93 Resp: 4814
Ion Ratio Lower Upper
93 100
95 86.7 68.6 102.8
174 111.5 91.8 137.8

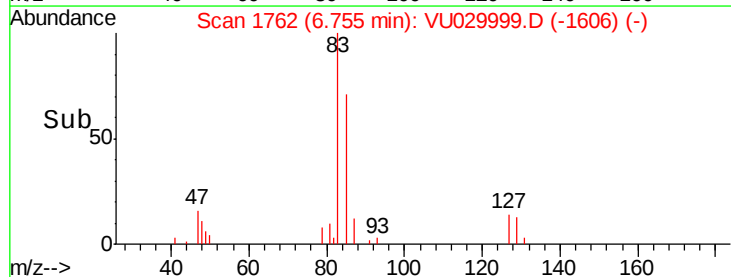
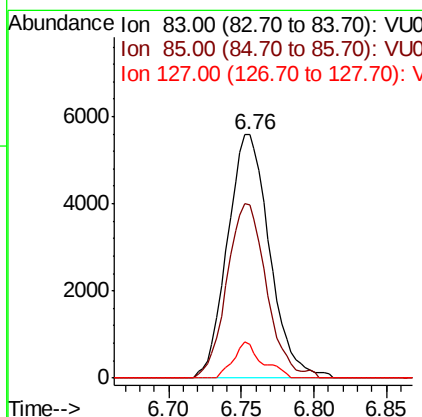
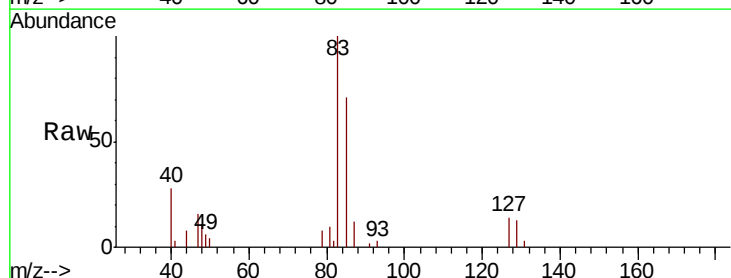
Manual Integrations
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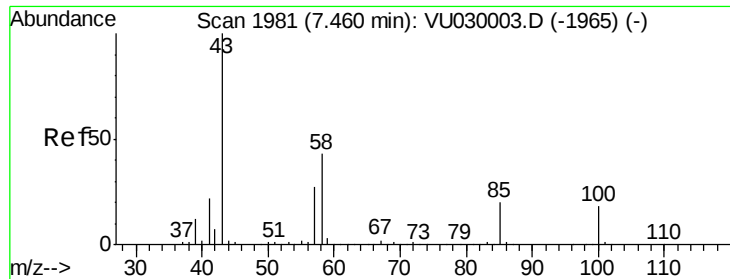
MMDadoda
3/13/2019 12:55:17 PM



#44
Bromodichloromethane
Concen: 0.520 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion: 83 Resp: 11269
Ion Ratio Lower Upper
83 100
85 71.0 53.2 79.8
127 13.7 7.4 11.0#





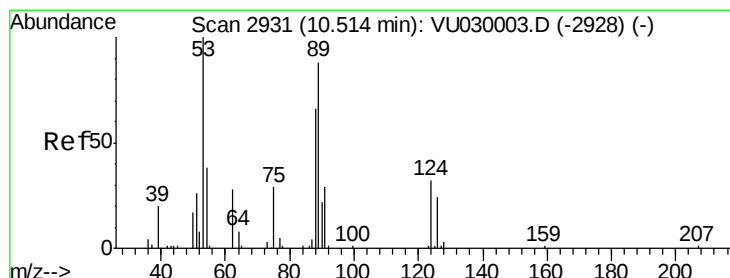
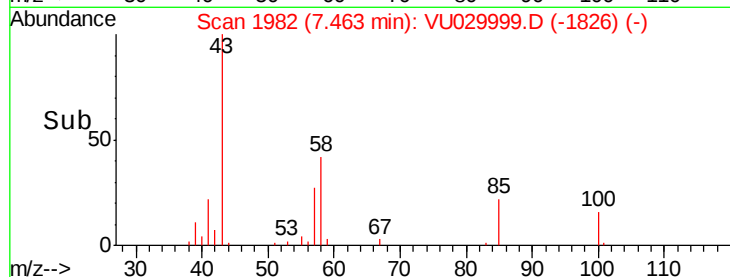
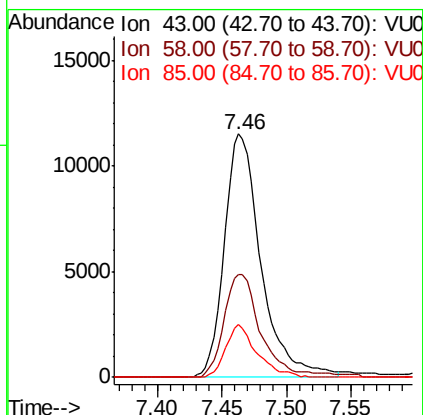
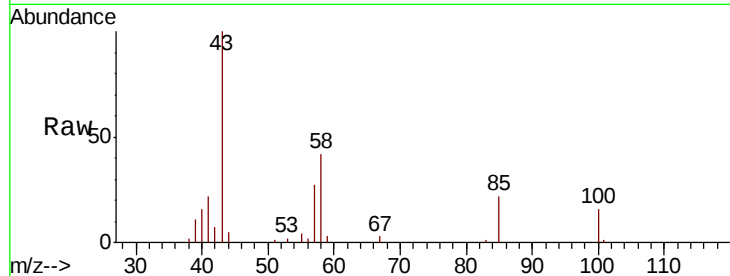
#45
 4-Methyl-2-Pentanone
 Concen: 2.532 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.0	21.6	64.6
85	18.5	16.3	24.5

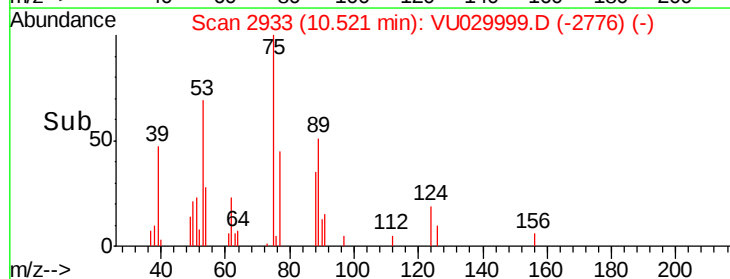
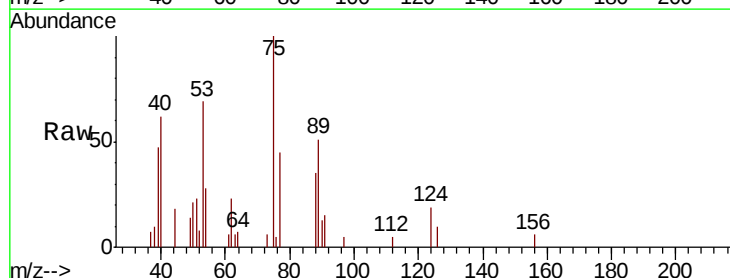
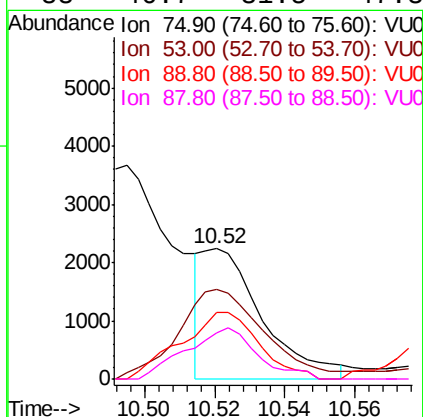
Manual Integrations
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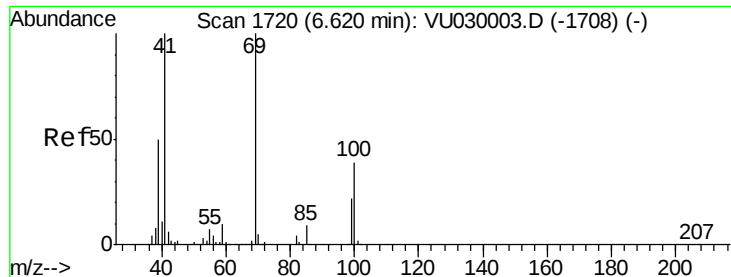
MMDadoda
 3/13/2019 12:55:17 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 0.759 ug/l m
 RT: 10.52 min Scan# 2933
 Delta R.T. 0.01 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.6	57.0	85.6#
89	66.6	43.6	65.4#
88	46.7	31.5	47.3





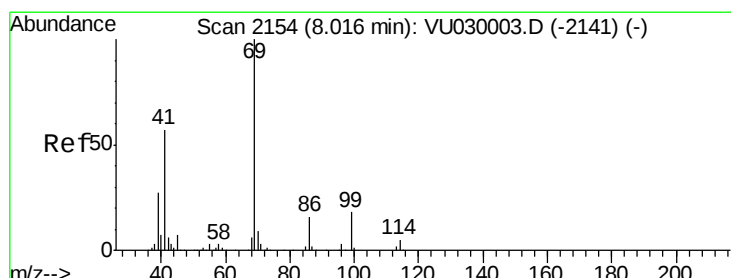
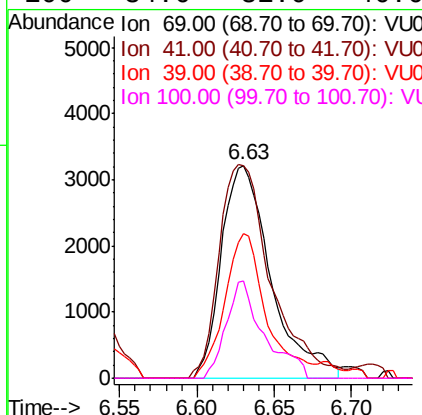
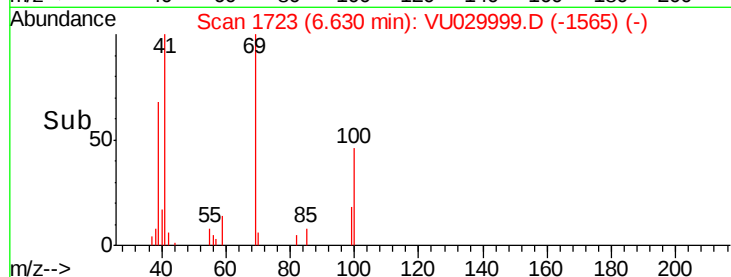
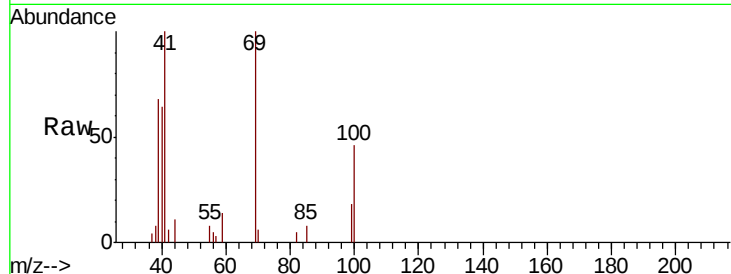
#47
Methyl methacrylate
Concen: 0.944 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	105.4	0.0	197.8	
39	57.1	40.2	60.4	
100	34.6	31.0	46.6	

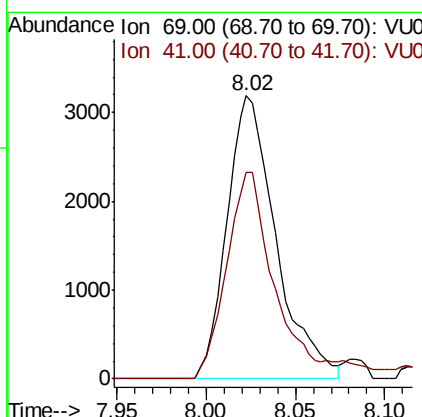
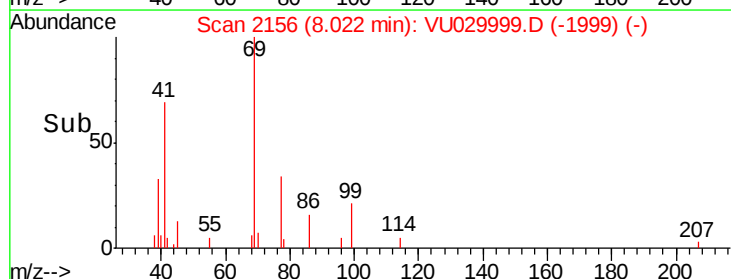
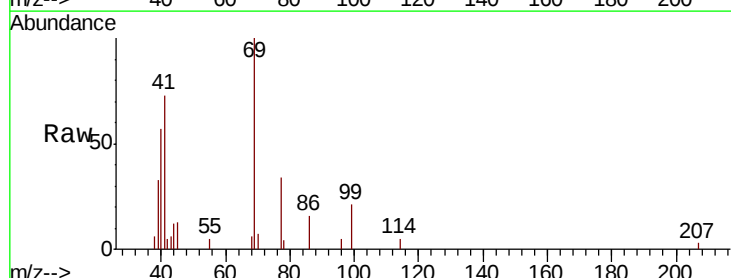
Manual Integrations
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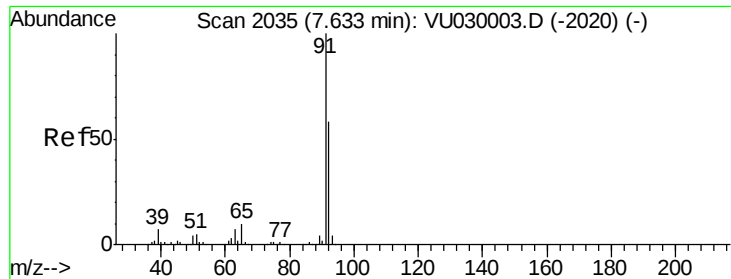
MMDadoda
3/13/2019 12:55:17 PM



#48
Ethyl methacrylate
Concen: 0.423 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	69.3	28.1	84.4	





#49

Toluene

Concen: 0.493 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 92 Resp: 20521

Ion Ratio Lower Upper

92 100

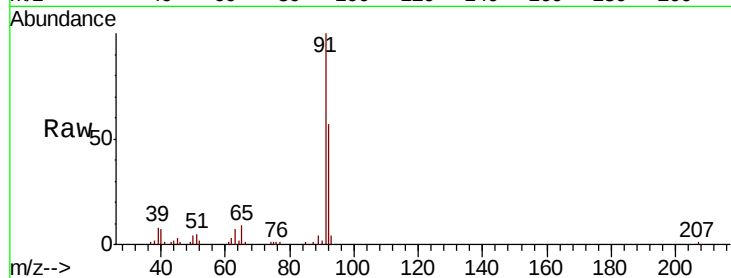
91 172.5 140.1 210.1

Manual Integrations

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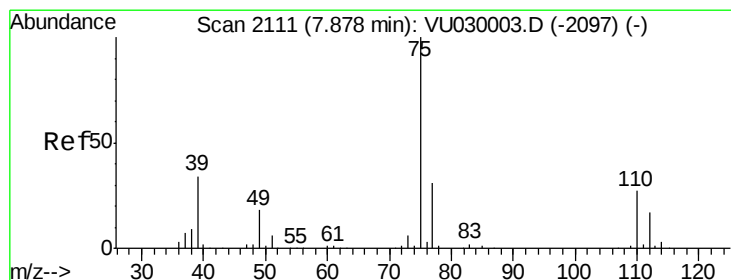
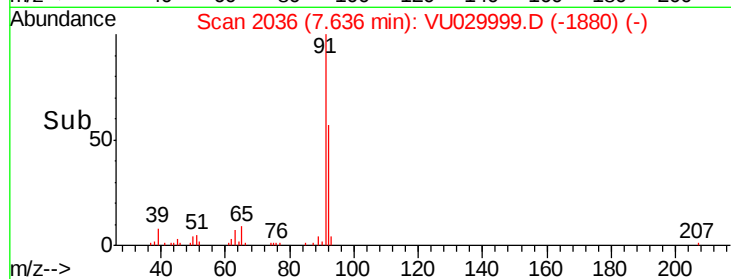
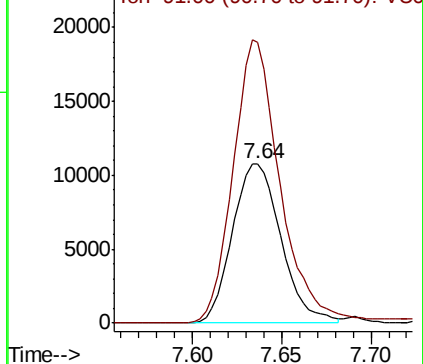
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 0.469 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029999.D

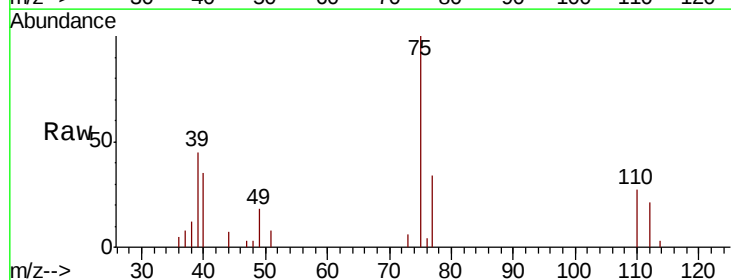
Acq: 12 Mar 2019 09:50

Tgt Ion: 75 Resp: 9108

Ion Ratio Lower Upper

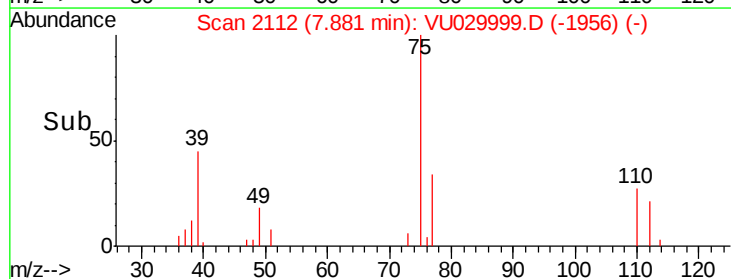
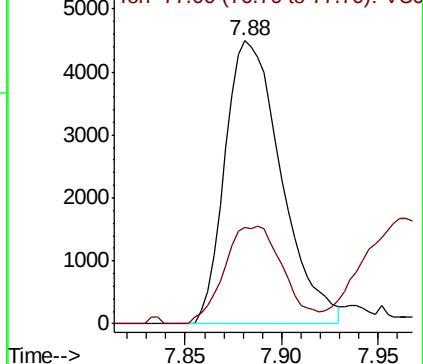
75 100

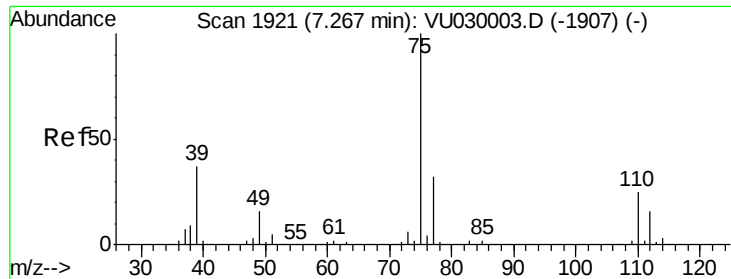
77 34.1 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





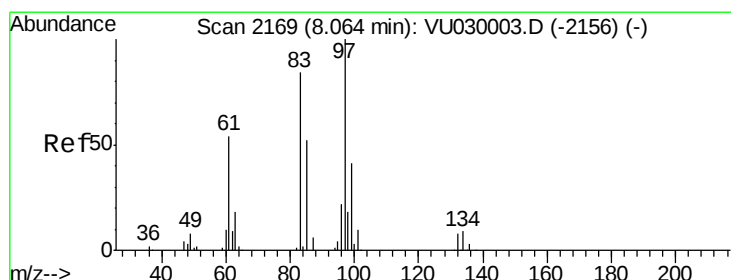
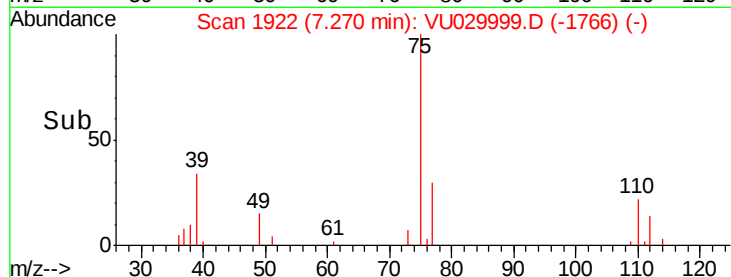
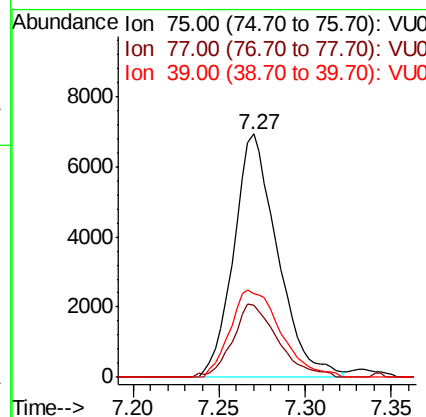
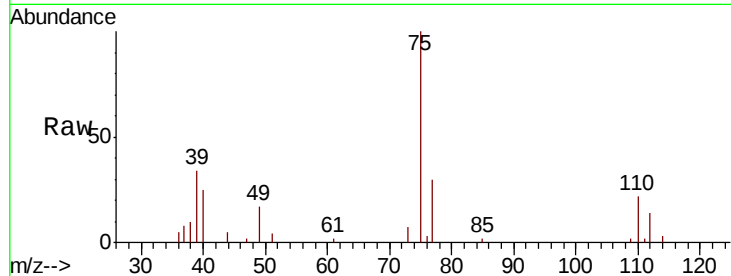
#51
 cis-1,3-Dichloropropene
 Concen: 0.504 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.0	39.0
39	34.4	29.5	44.3

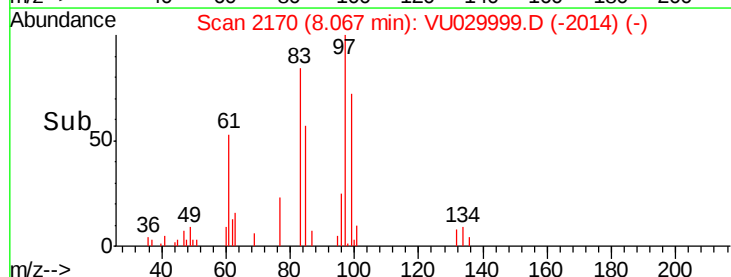
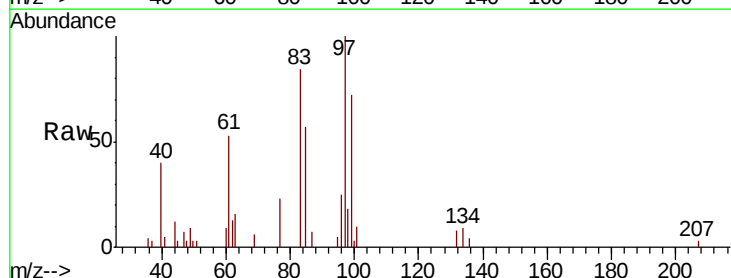
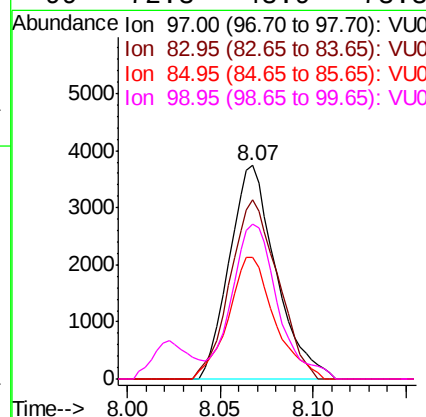
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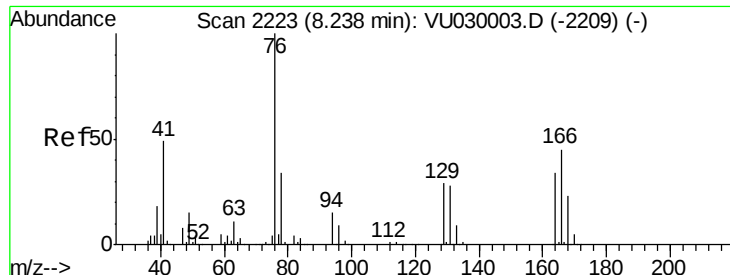
MMDadoda
 3/13/2019 12:55:17 PM



#52
 1,1,2-Trichloroethane
 Concen: 0.508 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.4	101.0
85	56.7	42.6	64.0
99	72.3	48.9	73.3





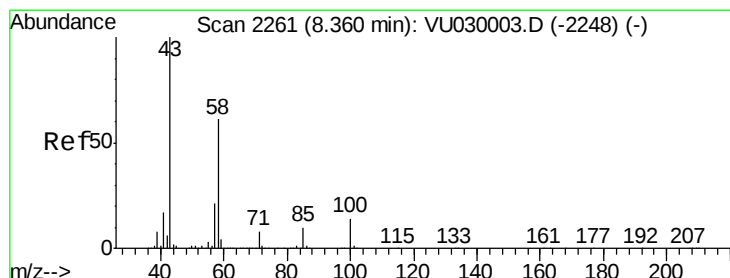
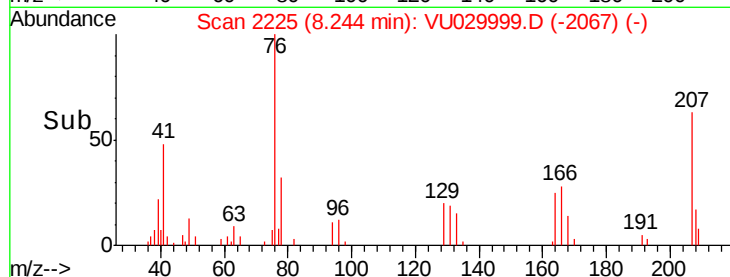
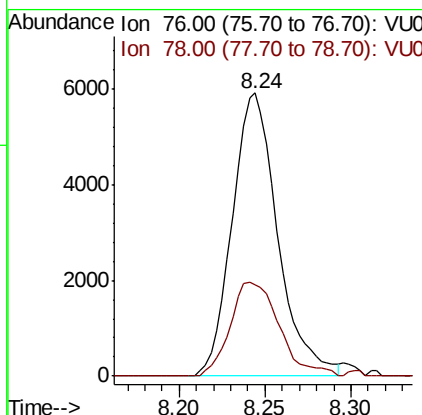
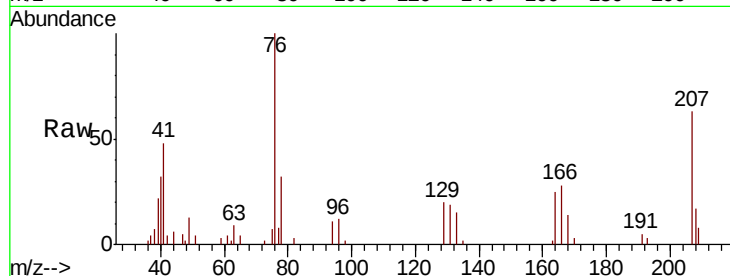
#53
 1,3-Dichloropropane
 Concen: 0.507 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 76 Resp: 10887
 Ion Ratio Lower Upper
 76 100
 78 35.7 26.4 39.6

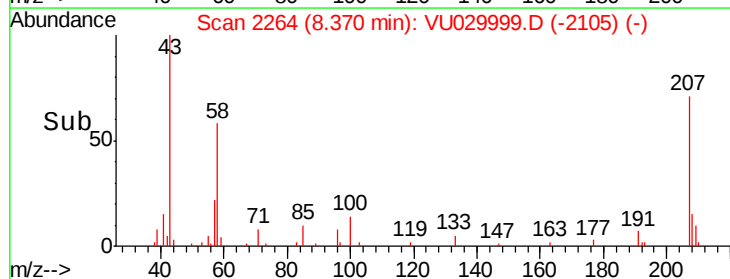
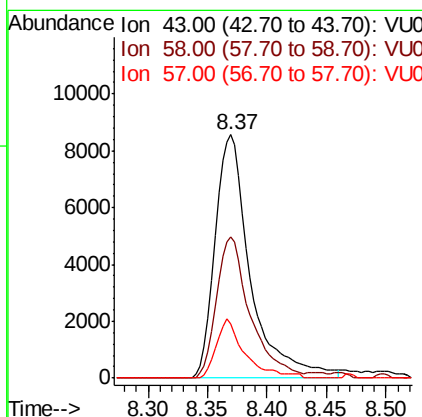
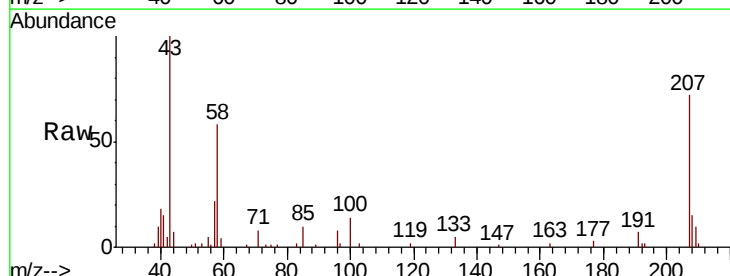
Manual Integrations
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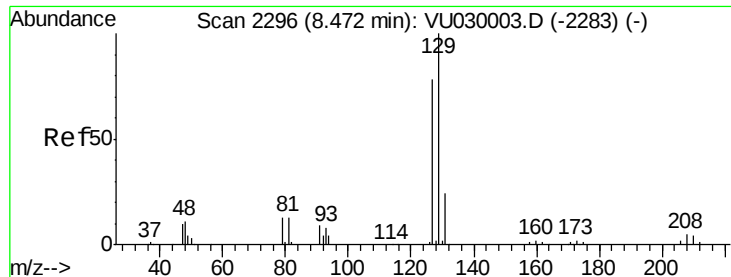
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 3/13/2019 12:55:17 PM



#54
 2-Hexanone
 Concen: 2.731 ug/l
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion: 43 Resp: 17662
 Ion Ratio Lower Upper
 43 100
 58 55.2 40.3 80.3
 57 19.1 0.6 40.6





#55

Dibromochloromethane

Concen: 0.508 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:129 Resp: 7846

Ion Ratio Lower Upper

129 100

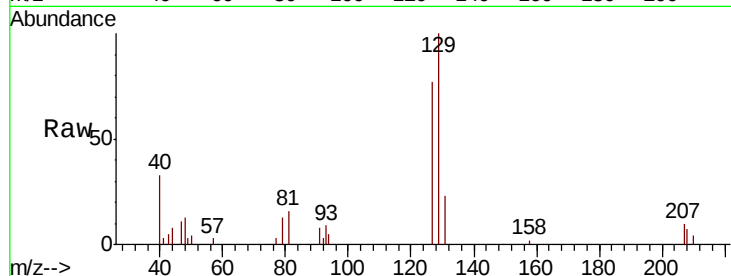
127 76.6 62.4 93.6

Manual Integrations

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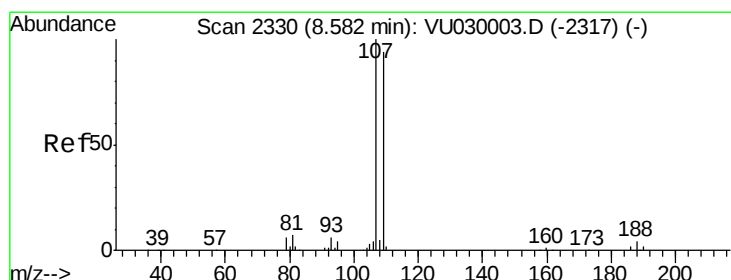
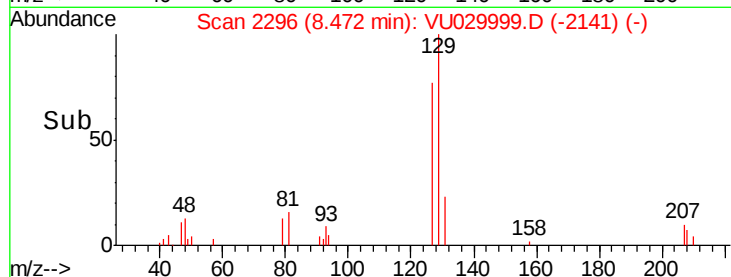
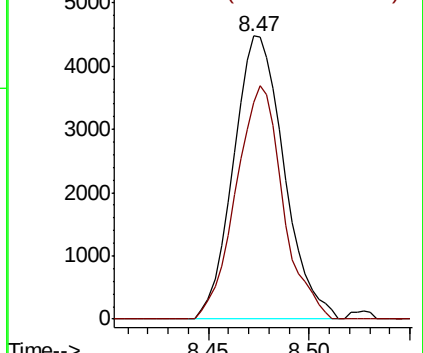
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.521 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029999.D

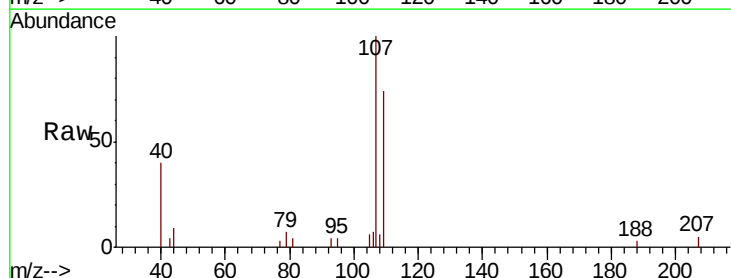
Acq: 12 Mar 2019 09:50

Tgt Ion:107 Resp: 6441

Ion Ratio Lower Upper

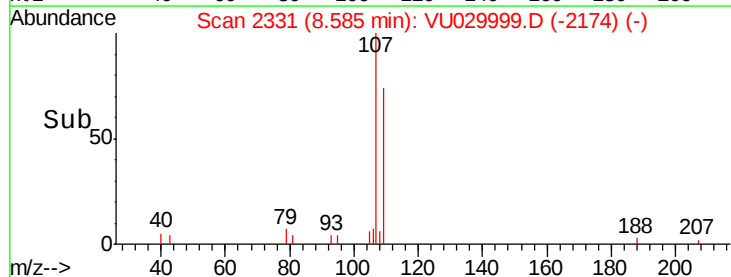
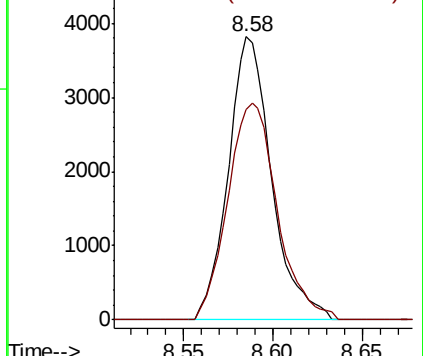
107 100

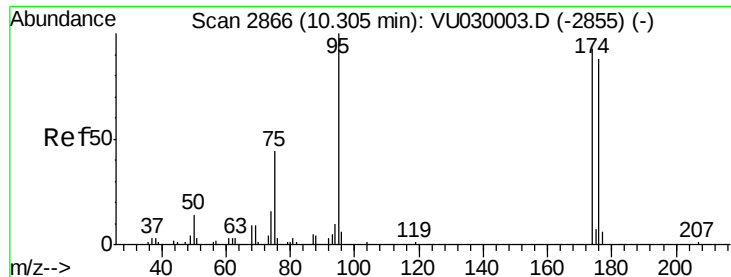
109 87.5 0.0 186.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





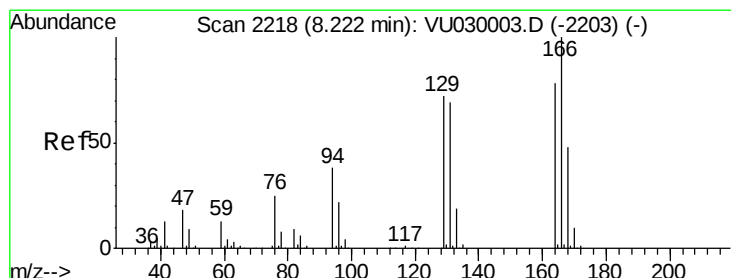
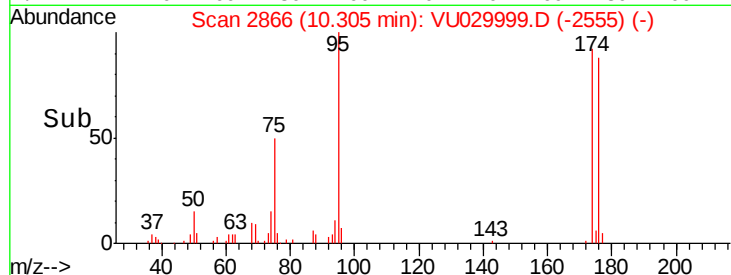
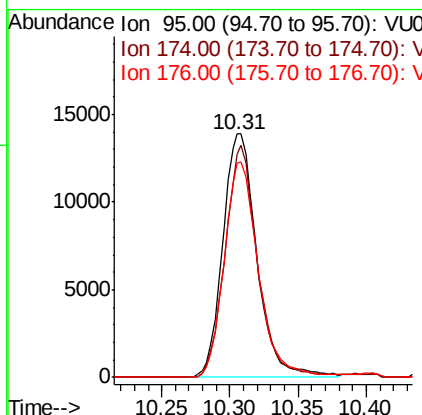
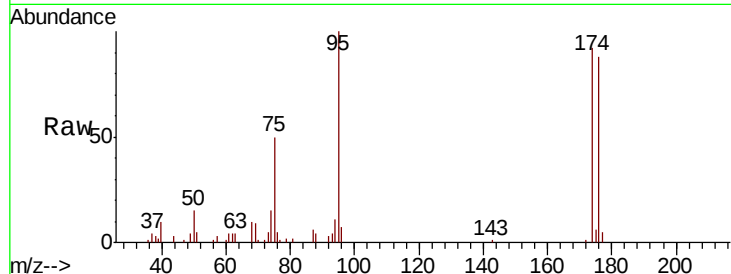
#57
4-Bromofluorobenzene
Concen: 0.521 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	78.1	117.1
176	88.0	70.8	106.2

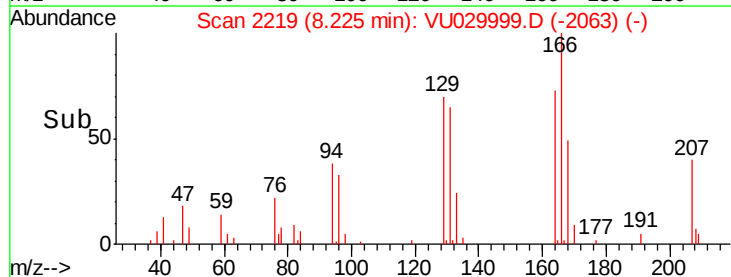
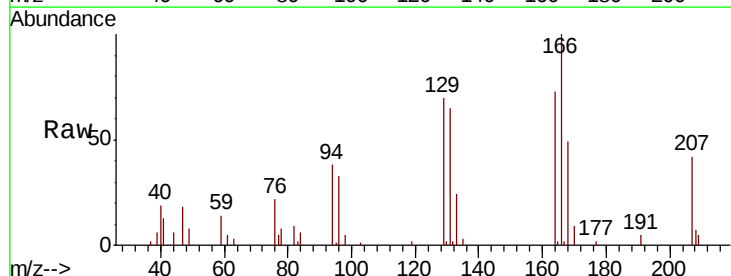
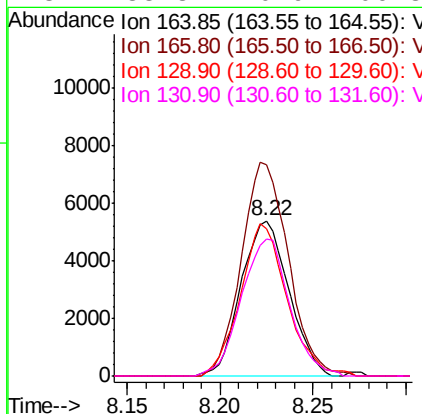
Manual Integrations
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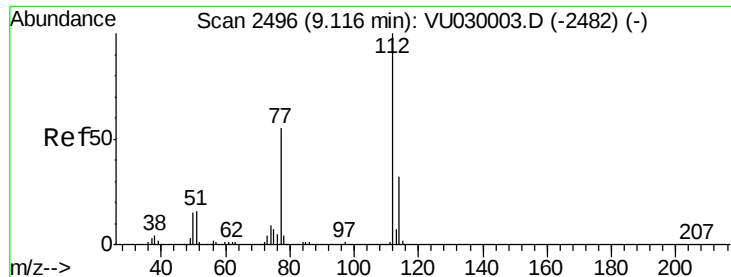
MMDadoda
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#58
Tetrachloroethene
Concen: 0.534 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.1	103.2	154.8
129	95.2	74.5	111.7
131	88.3	70.9	106.3





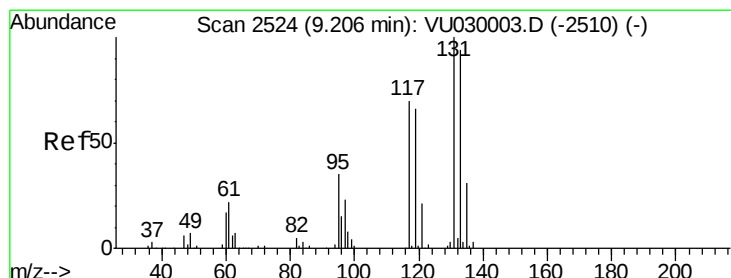
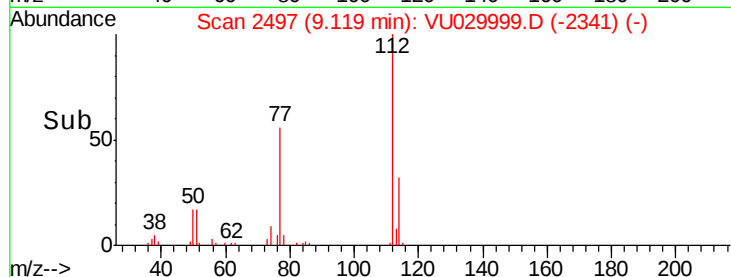
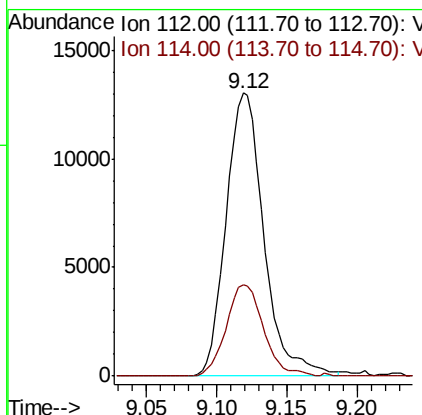
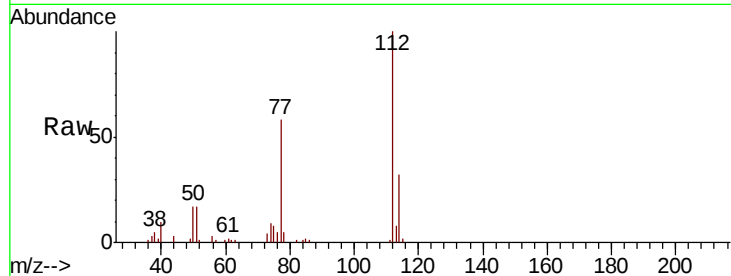
#59
Chlorobenzene
Concen: 0.513 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:112 Resp: 24396
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

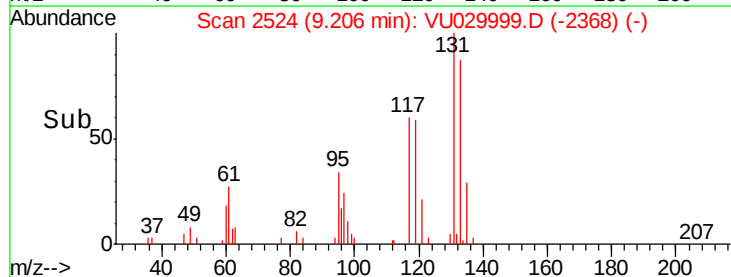
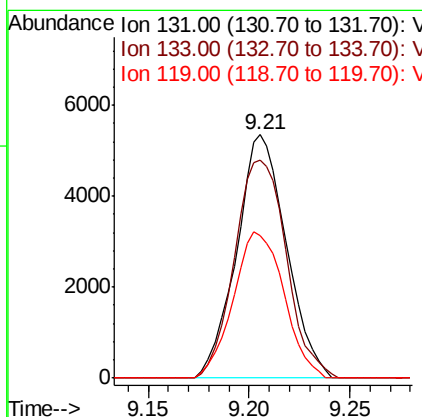
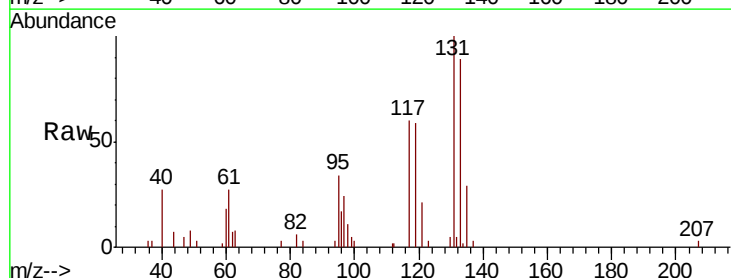
Manual Integrations
APPROVED

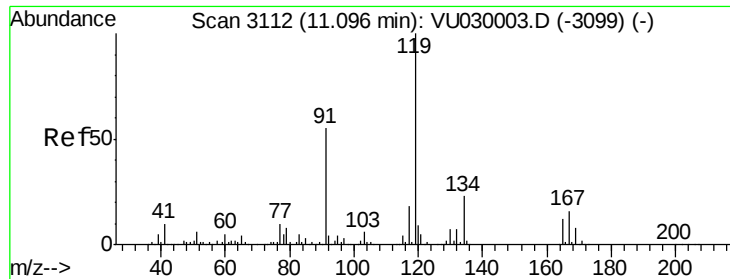
MMDadoda
3/13/2019 12:55:17 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.549 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion:131 Resp: 9226
Ion Ratio Lower Upper
131 100
133 93.4 75.6 113.4
119 61.1 53.3 79.9





#61

Pentachloroethane

Concen: 0.513 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:117 Resp: 6651

Ion Ratio Lower Upper

117 100

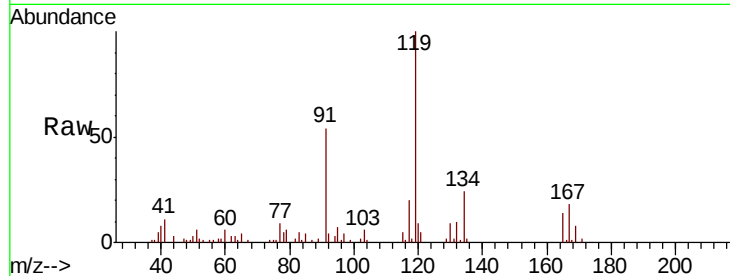
167 85.7 73.1 109.7

Manual Integrations

APPROVED

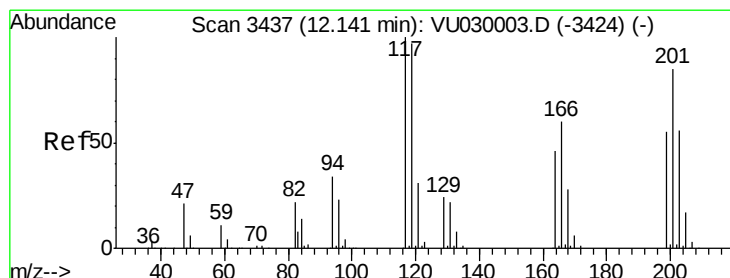
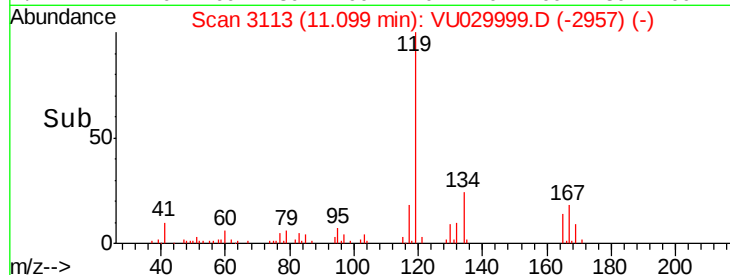
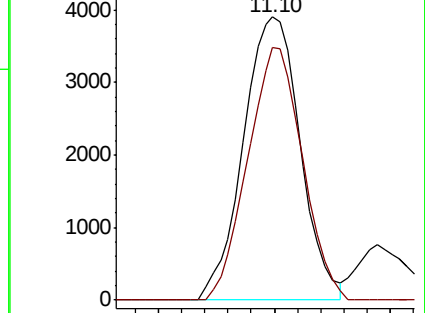
MMDadoda

3/13/2019 12:55:17 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.514 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029999.D

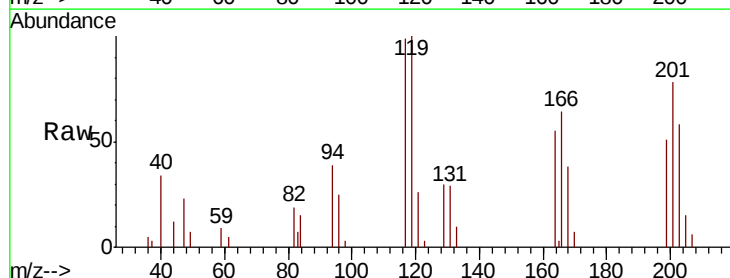
Acq: 12 Mar 2019 09:50

Tgt Ion:117 Resp: 6708

Ion Ratio Lower Upper

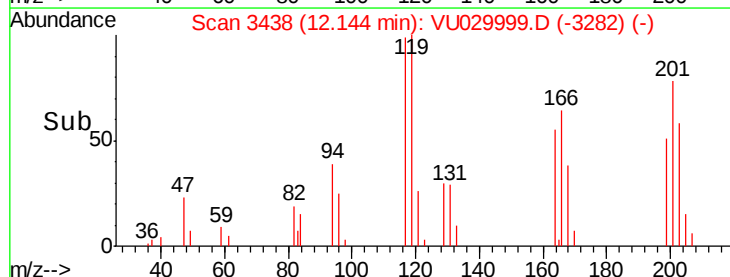
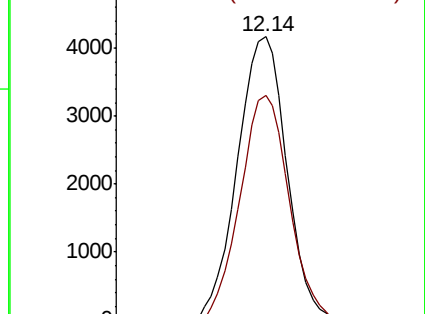
117 100

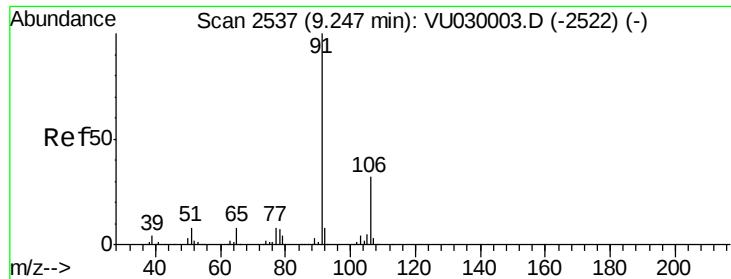
201 79.1 69.5 104.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





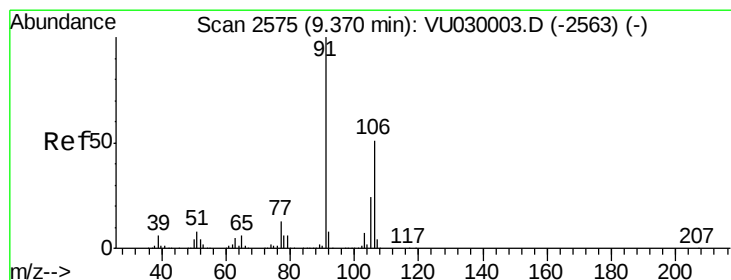
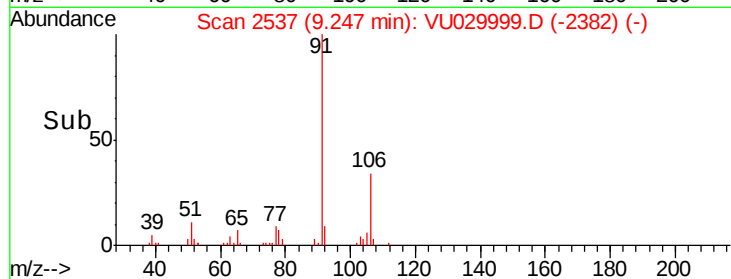
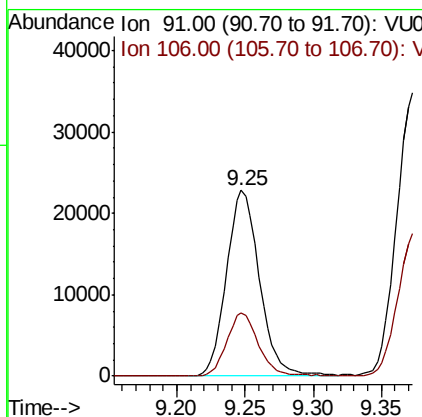
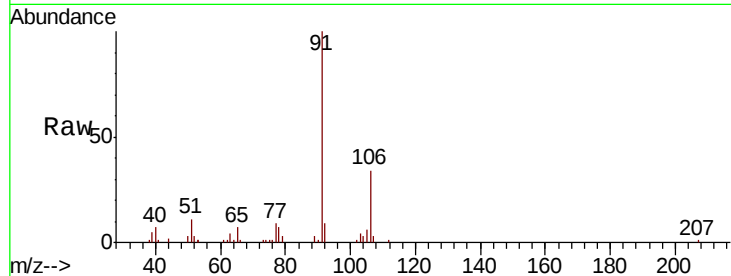
#63
Ethyl Benzene
Concen: 0.493 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 38530
Ion Ratio Lower Upper
91 100
106 34.3 25.7 38.5

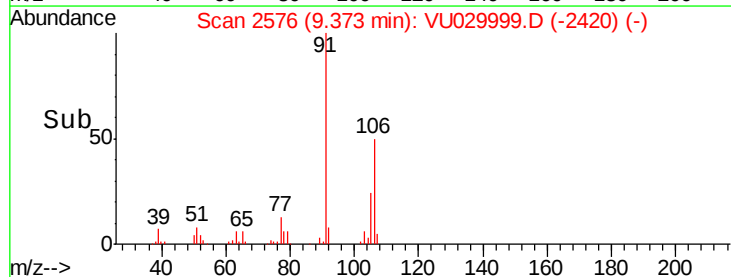
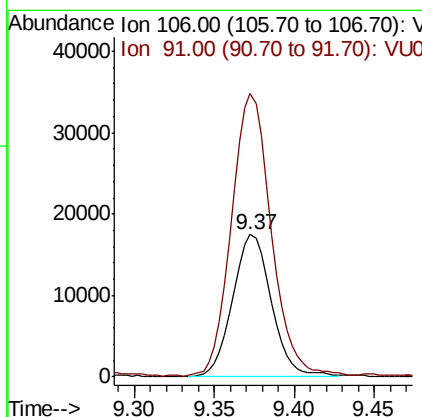
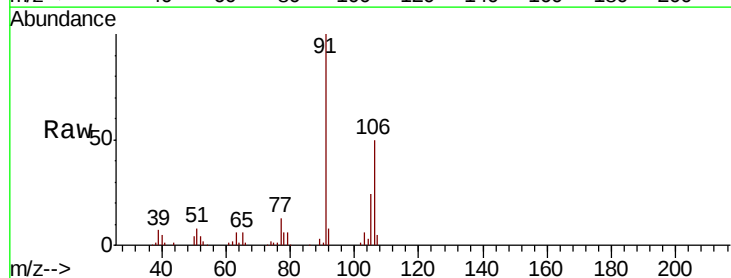
Manual Integrations
APPROVED

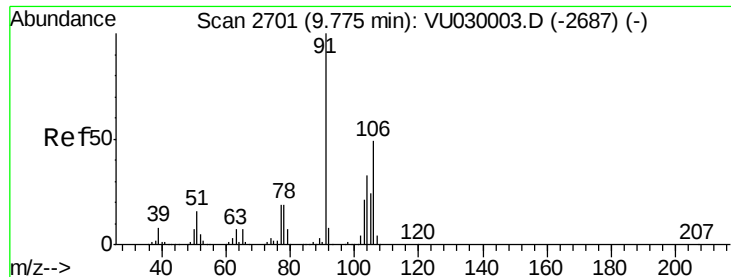
MMDadoda
3/13/2019 12:55:17 PM



#64
m/p-Xylenes
Concen: 0.944 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion: 106 Resp: 29020
Ion Ratio Lower Upper
106 100
91 201.1 157.9 236.9





#65

o-Xylene

Concen: 0.483 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion:106 Resp: 14550

Ion Ratio Lower Upper

106 100

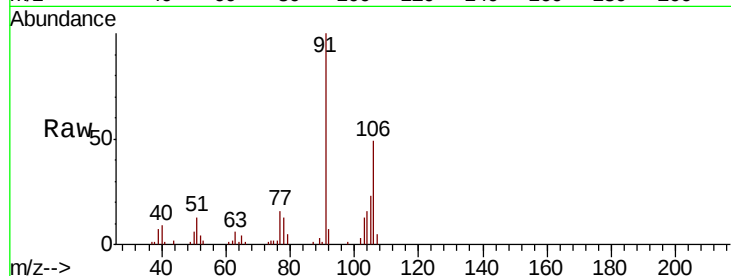
91 203.9 103.2 309.4

Manual Integrations

APPROVED

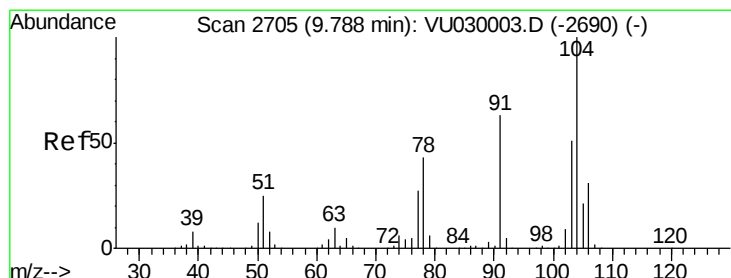
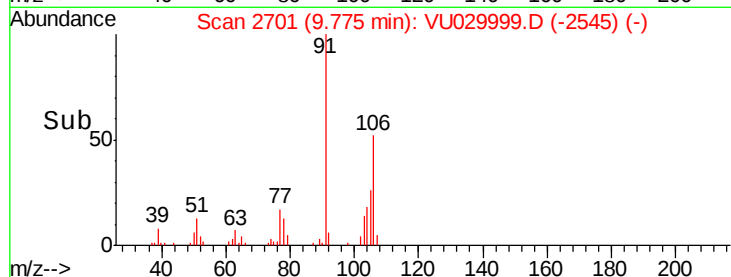
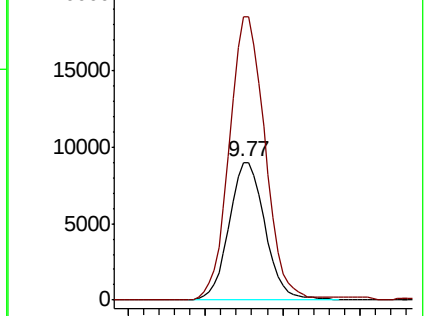
MMDadoda

3/13/2019 12:55:17 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.451 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

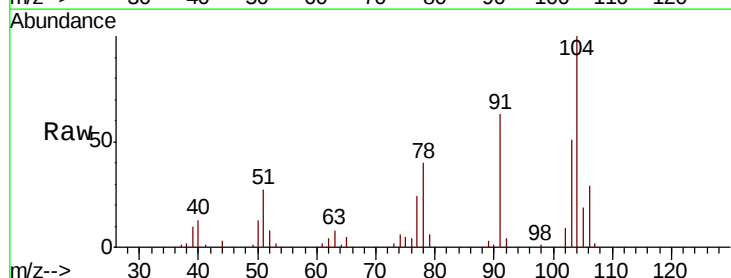
Tgt Ion:104 Resp: 22287

Ion Ratio Lower Upper

104 100

78 46.4 37.0 55.4

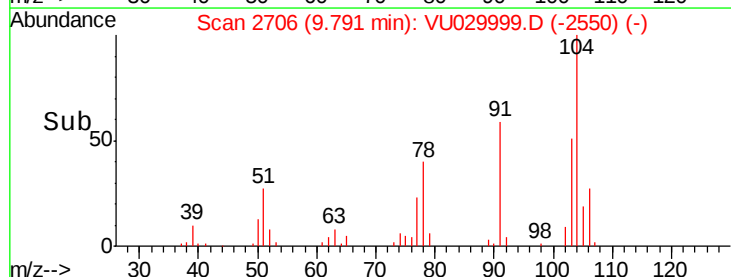
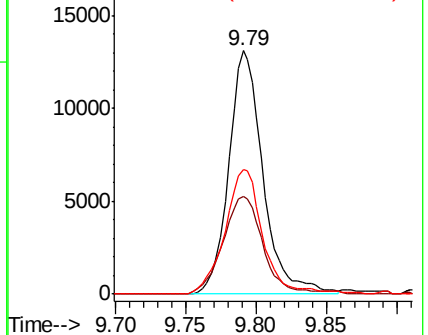
103 56.3 43.8 65.6

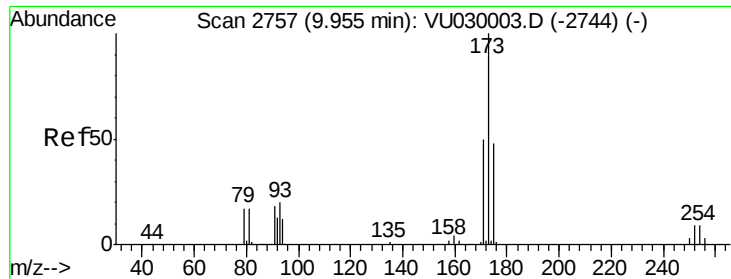


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





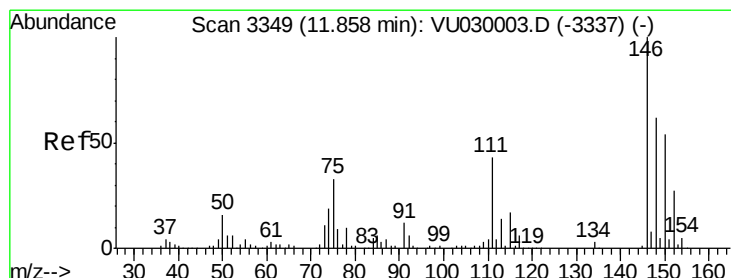
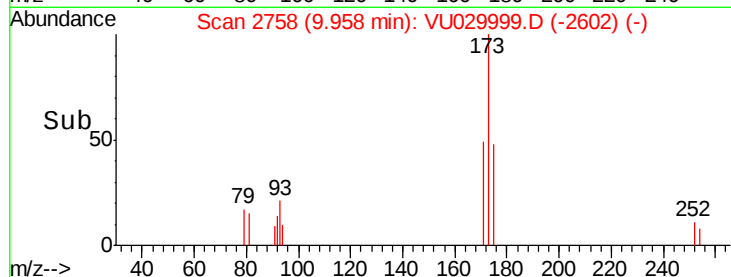
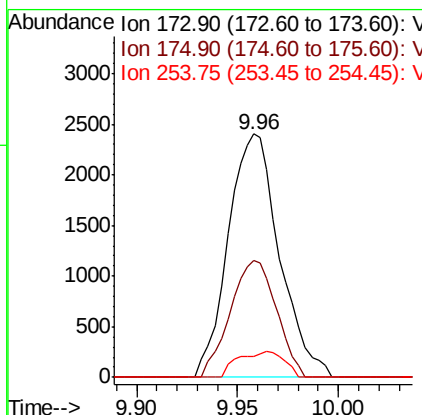
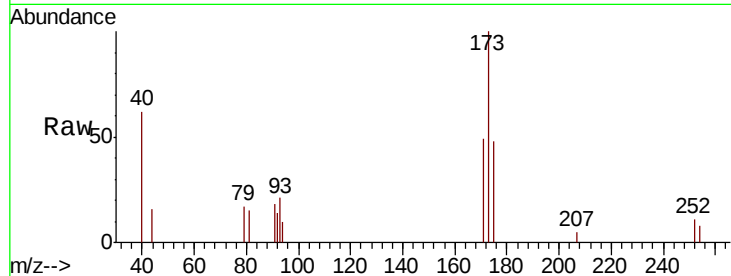
#67
Bromoform
Concen: 0.483 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.4	39.0	58.4
254	9.5	7.0	10.4

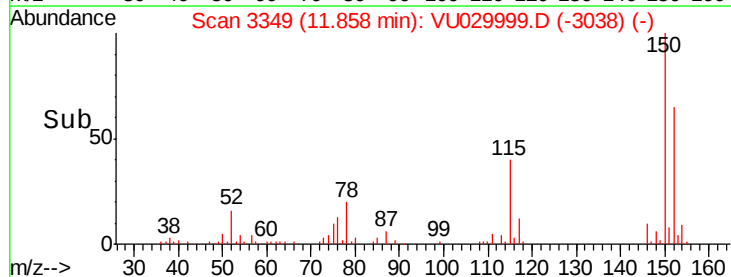
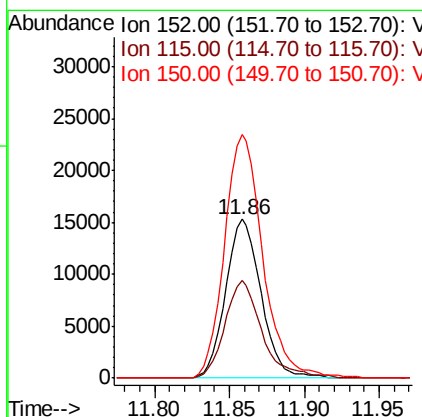
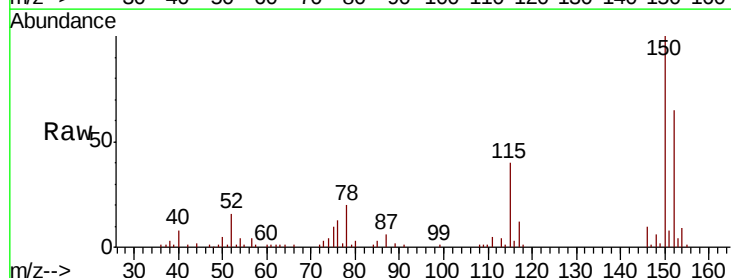
Manual Integrations
APPROVED

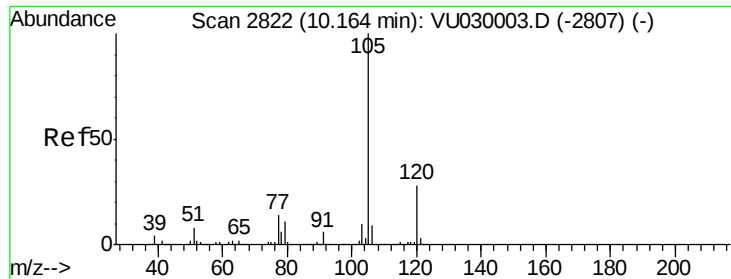
MMDadoda
3/13/2019 12:55:17 PM



#68
1,2-Dichlorobenzene-d4
Concen: 0.483 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	0.0	126.8
150	165.6	0.0	634.2





#69

Isopropylbenzene

Concen: 0.489 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion: 105 Resp: 38450

Ion Ratio Lower Upper

105 100

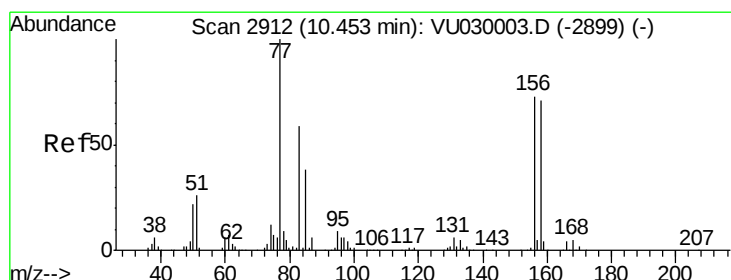
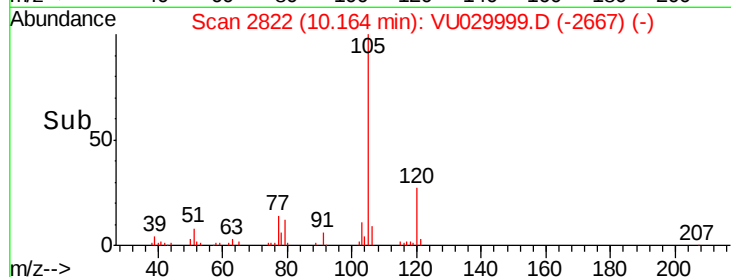
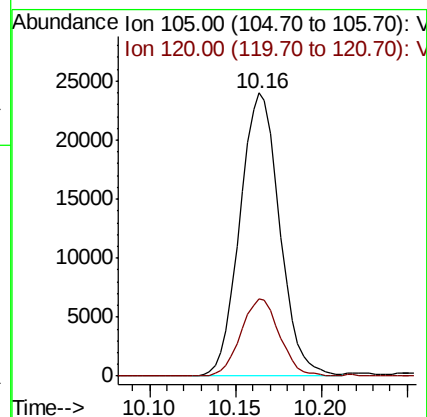
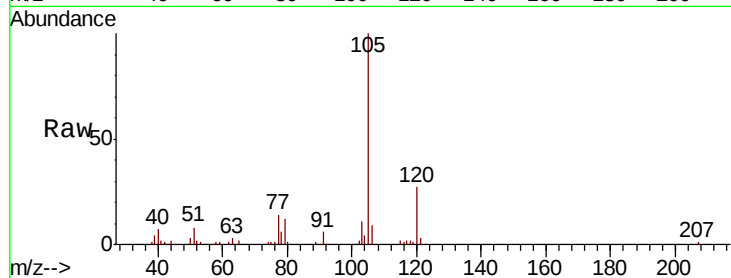
120 26.3 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.523 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

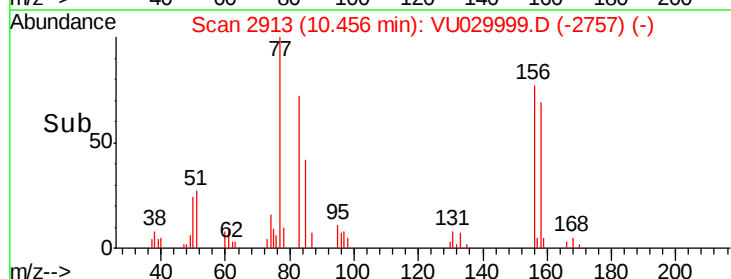
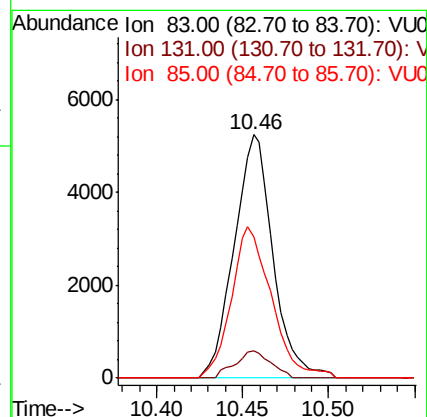
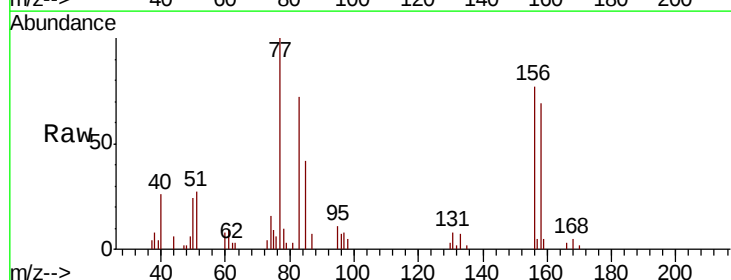
Tgt Ion: 83 Resp: 8278

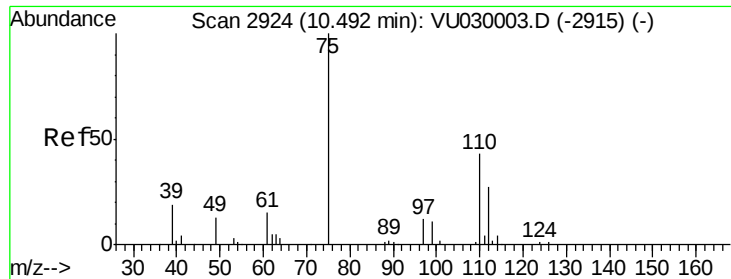
Ion Ratio Lower Upper

83 100

131 10.1 8.4 12.6

85 64.2 52.6 78.8





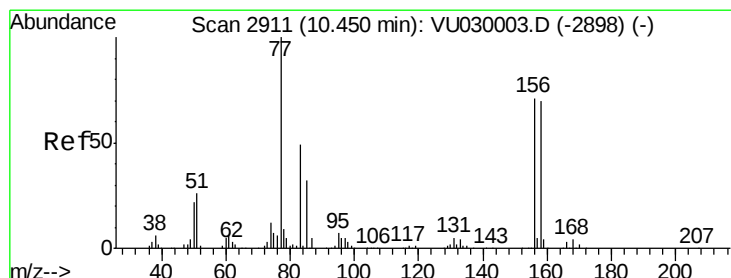
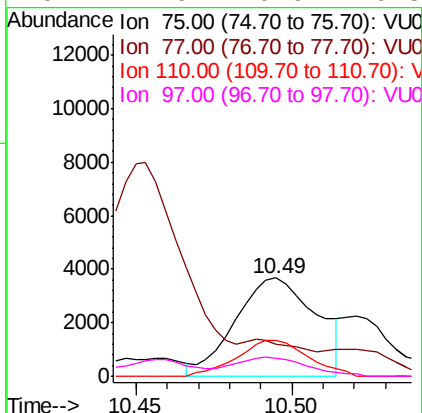
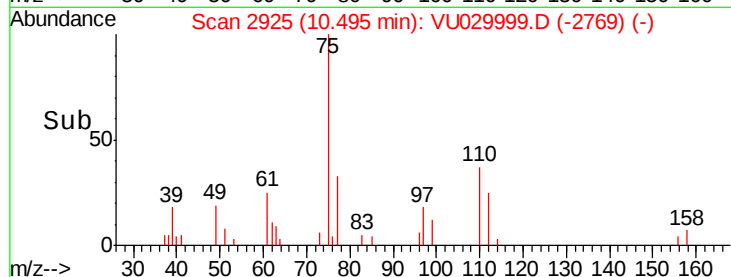
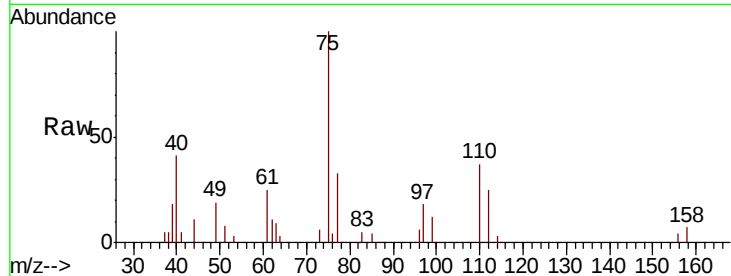
#71
1,2,3-Trichloropropane
Concen: 0.567 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:	75	Resp:	6664
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	31.8	0.0	76.8
97	17.6	0.0	40.8

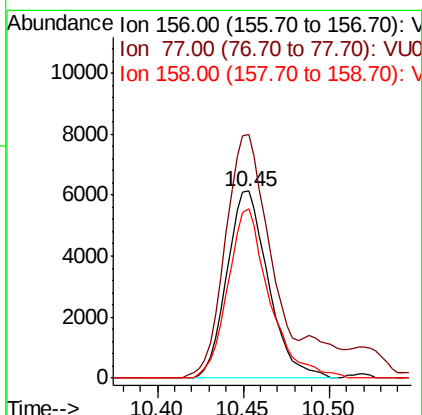
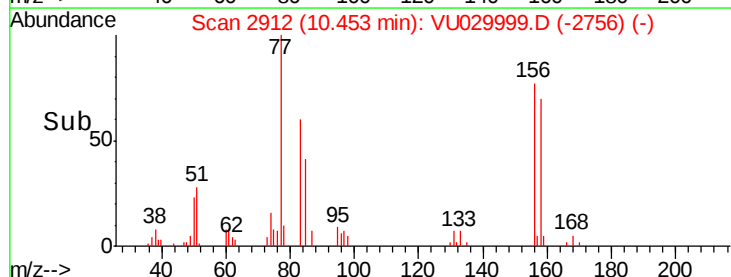
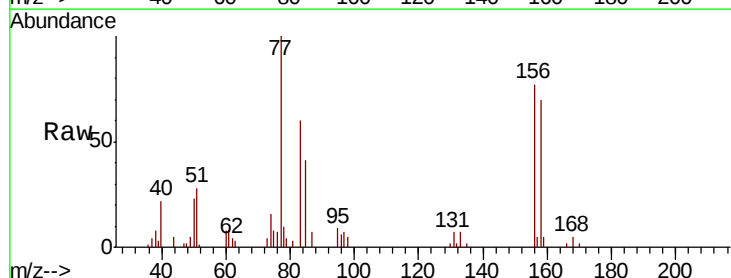
Manual Integrations
APPROVED

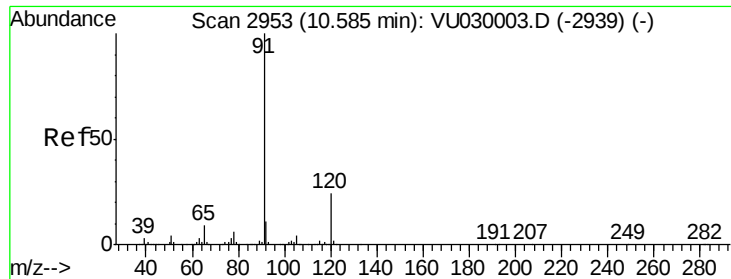
MMDadoda
3/13/2019 12:55:17 PM



#72
Bromobenzene
Concen: 0.497 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion:	156	Resp:	10247
Ion	Ratio	Lower	Upper
156	100		
77	139.5	0.0	278.6
158	91.1	0.0	195.2





#73

n-propylbenzene

Concen: 0.471 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:120 Resp: 10490

Ion Ratio Lower Upper

120 100

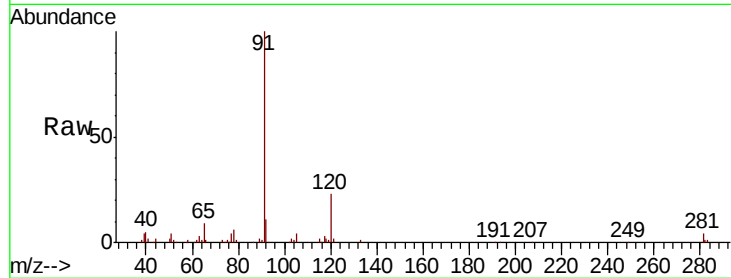
91 430.1 335.4 503.0

Manual Integrations

APPROVED

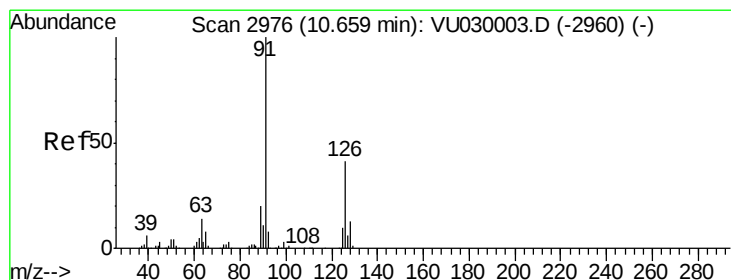
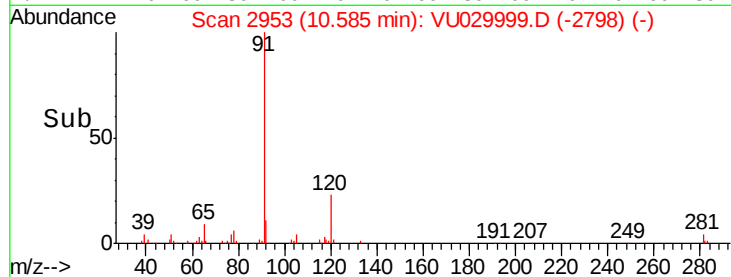
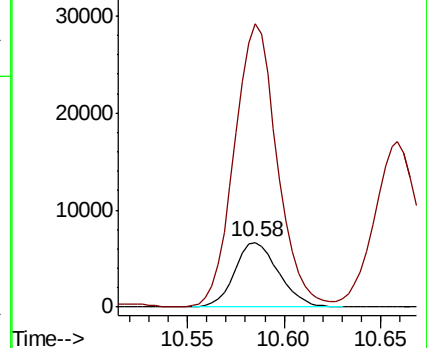
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.493 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU029999.D

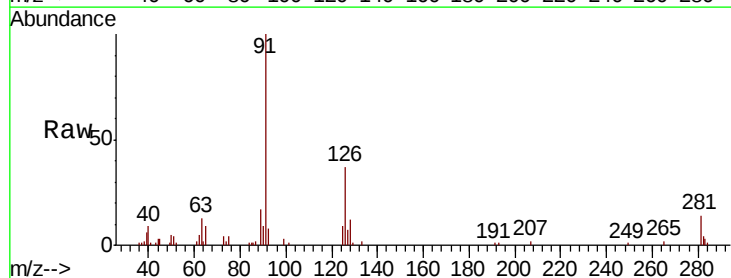
Acq: 12 Mar 2019 09:50

Tgt Ion:126 Resp: 9622

Ion Ratio Lower Upper

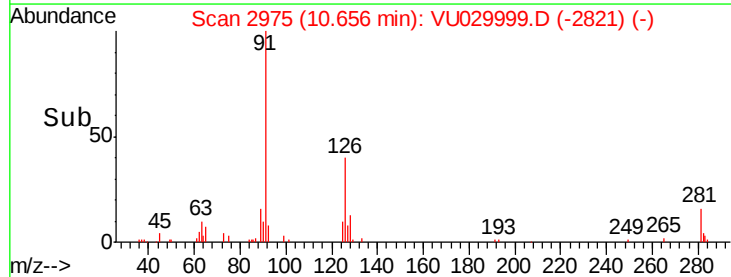
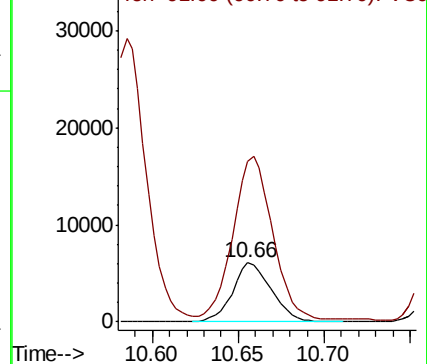
126 100

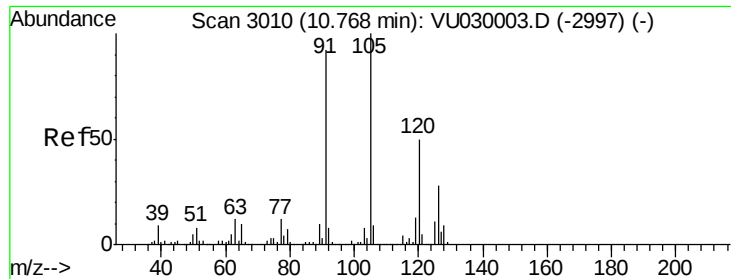
91 281.8 0.0 561.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.467 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tgt Ion:105 Resp: 31267

Ion Ratio Lower Upper

105 100

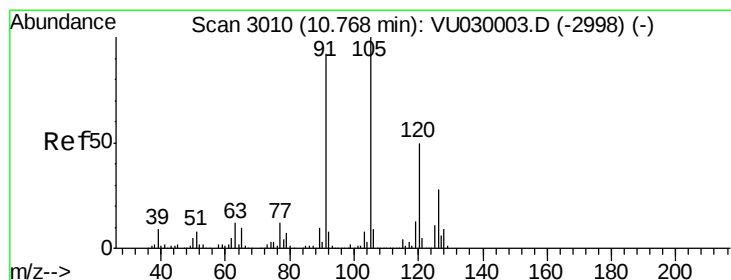
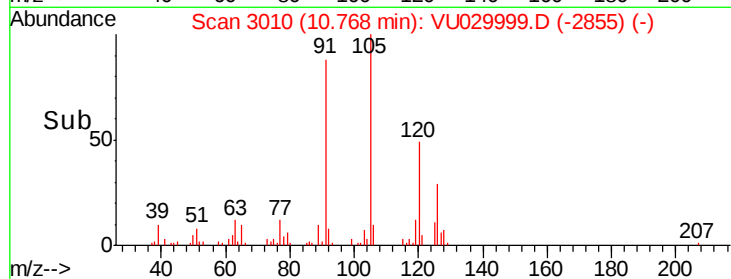
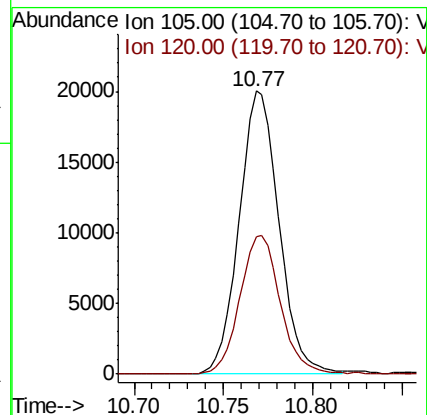
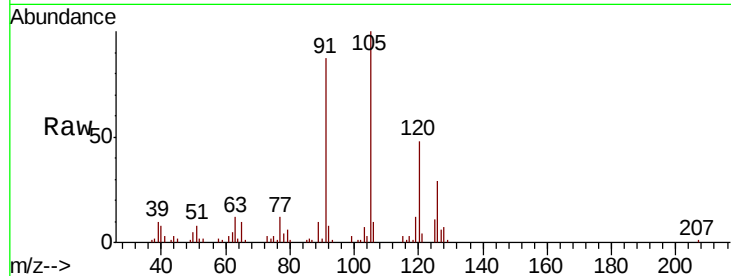
120 49.5 39.8 59.8

Manual Integrations

APPROVED

MMDadoda

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#76

4-Chlorotoluene

Concen: 0.491 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029999.D

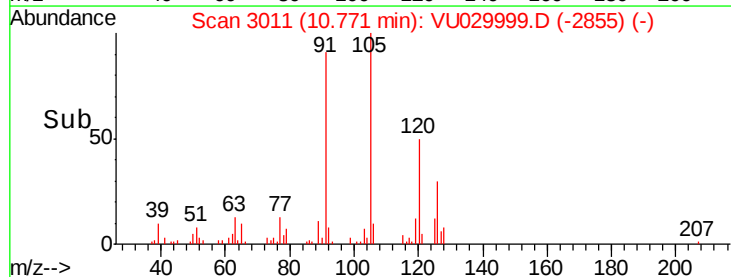
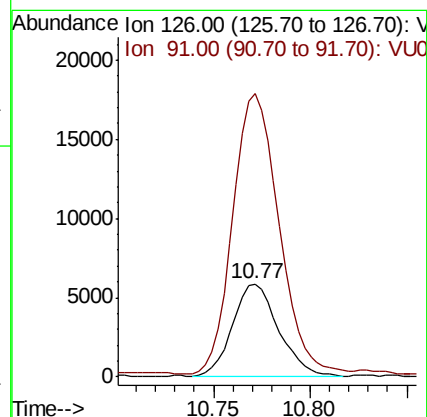
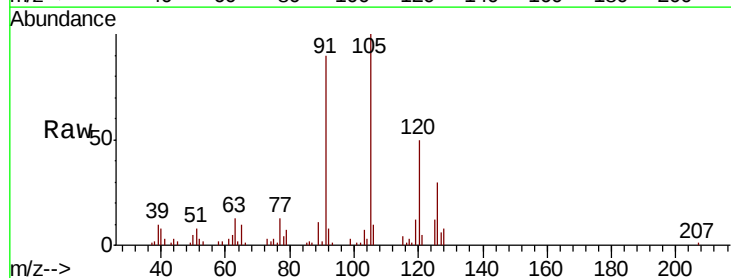
Acq: 12 Mar 2019 09:50

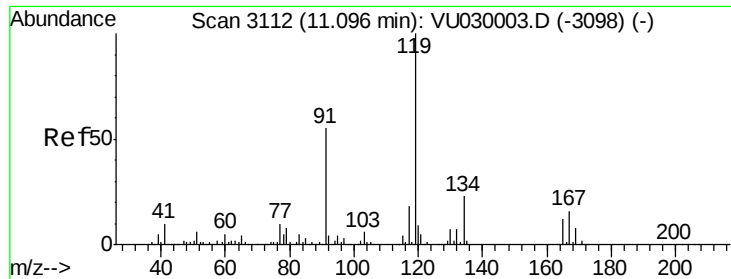
Tgt Ion:126 Resp: 9791

Ion Ratio Lower Upper

126 100

91 300.1 0.0 641.8





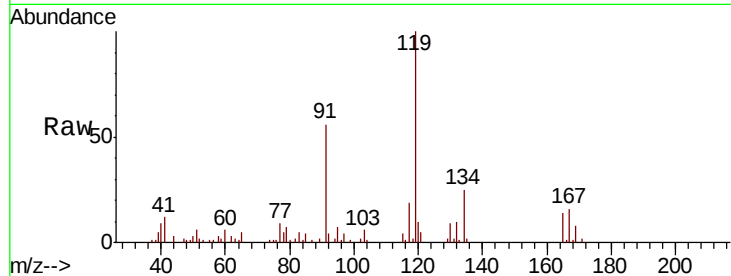
#77
 tert-Butylbenzene
 Concen: 0.478 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC0.5

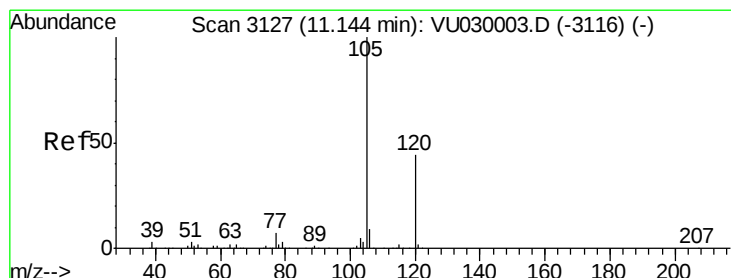
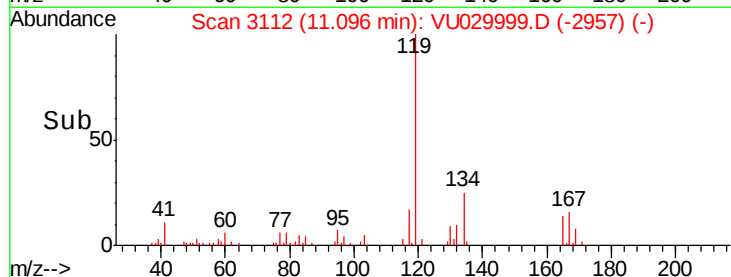
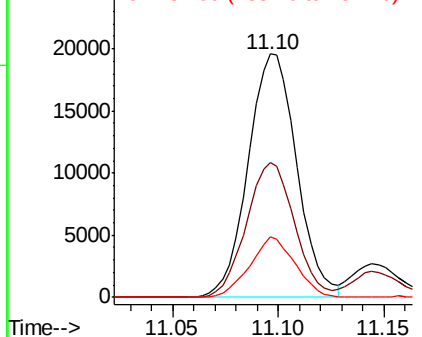
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	31332		
91	54.8	27.6	82.8	
134	23.0	18.7	28.1	

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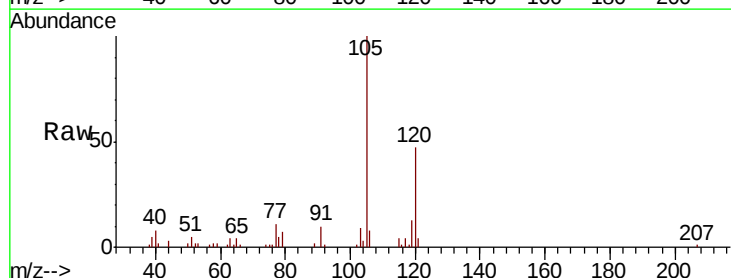


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

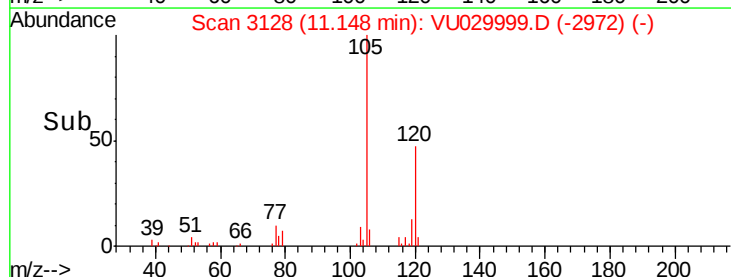
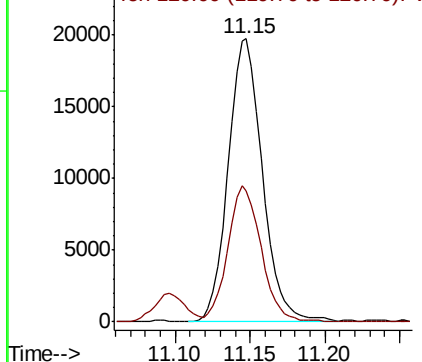


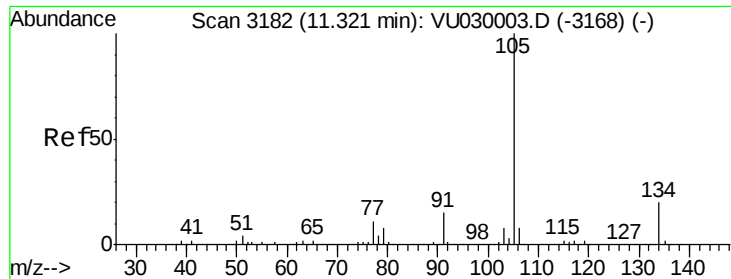
#78
 1,2,4-Trimethylbenzene
 Concen: 0.463 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	31525		
120	46.5	23.5	70.6	



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





#79

sec-Butylbenzene

Concen: 0.464 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 40729

Ion Ratio Lower Upper

105 100

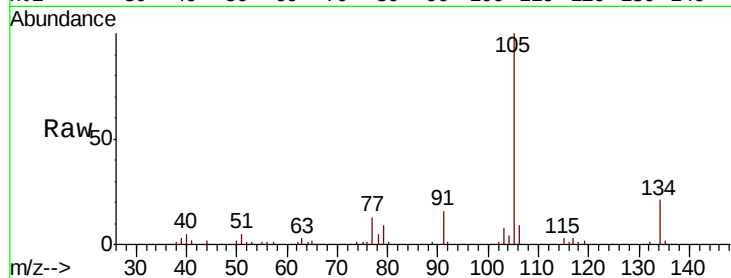
134 20.3 16.1 24.1

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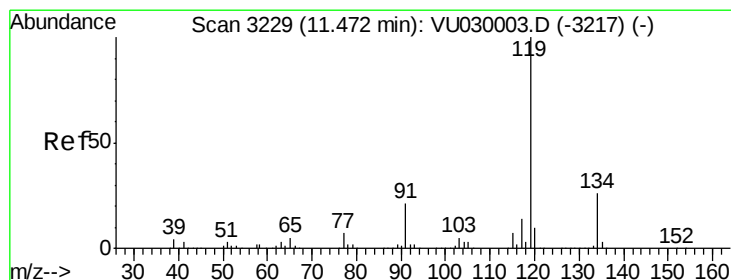
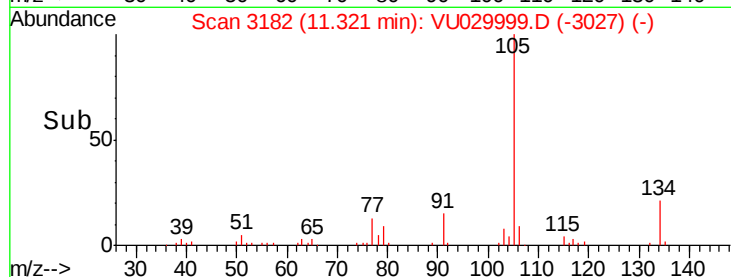
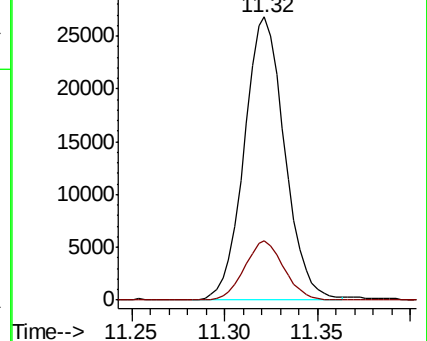
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#81

p-Isopropyltoluene

Concen: 0.454 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

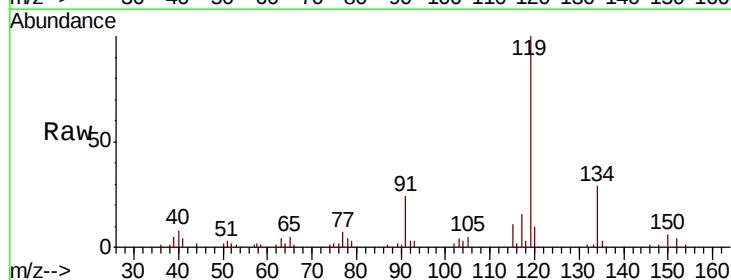
Tgt Ion:119 Resp: 33410

Ion Ratio Lower Upper

119 100

134 27.6 21.2 31.8

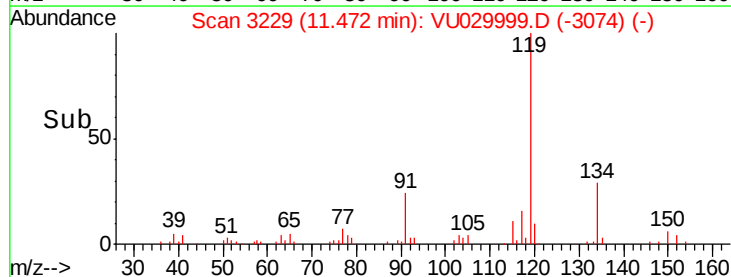
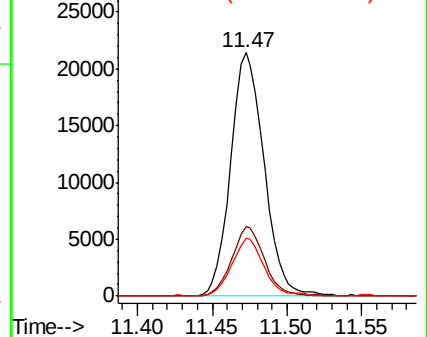
91 22.7 17.0 25.6

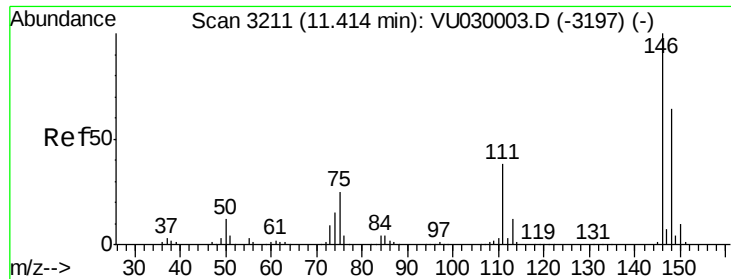


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





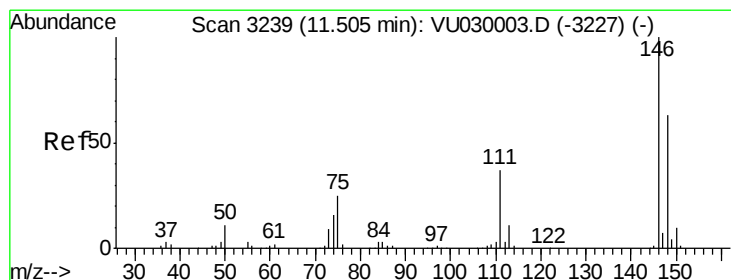
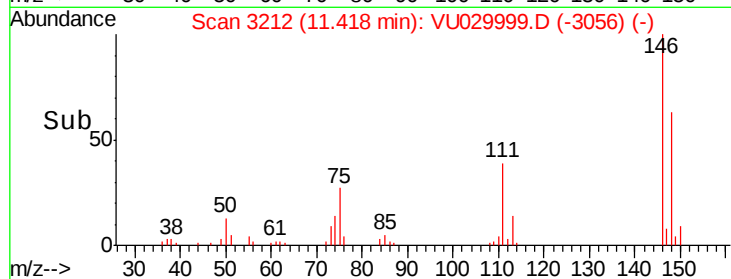
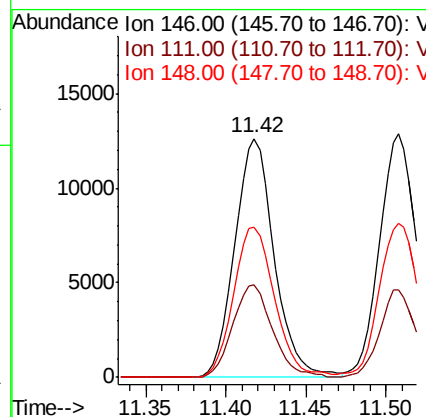
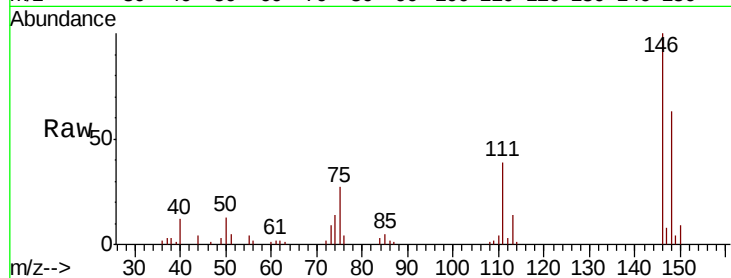
#82
 1,3-Dichlorobenzene
 Concen: 0.510 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	30.3	45.5
148	65.4	51.1	76.7

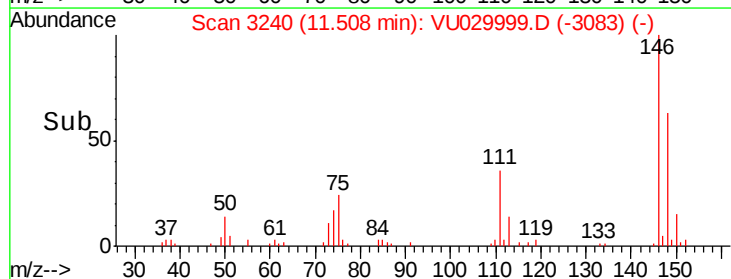
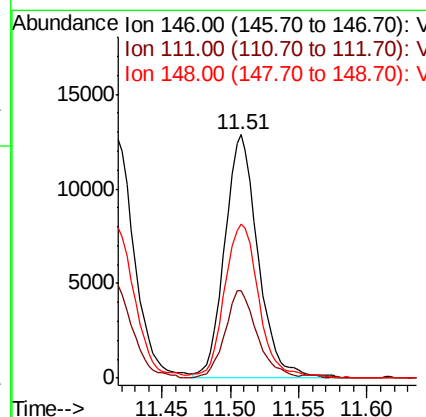
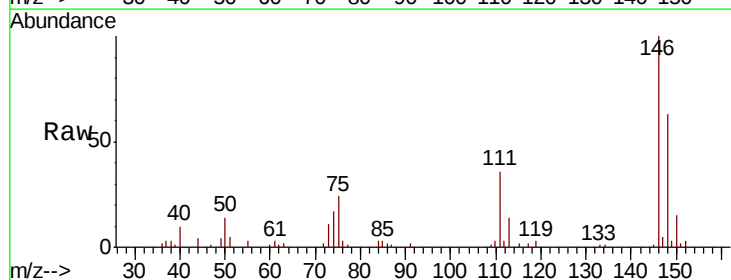
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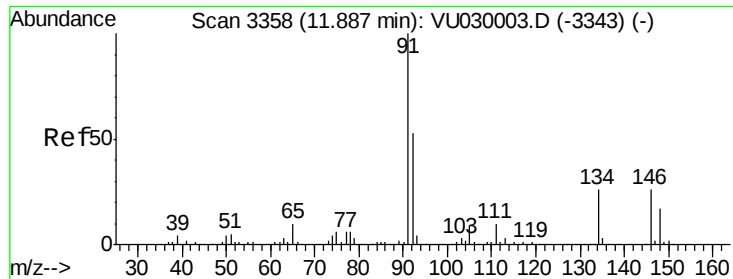
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#83
 1,4-Dichlorobenzene
 Concen: 0.523 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	29.3	43.9
148	65.6	50.6	76.0





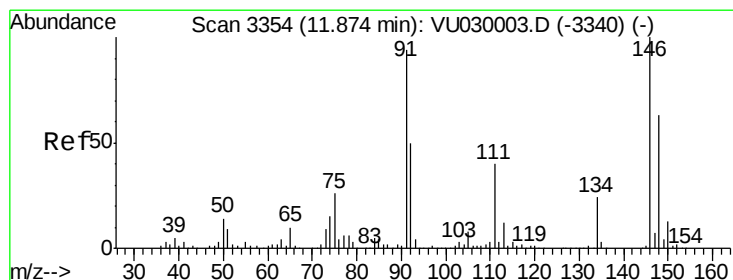
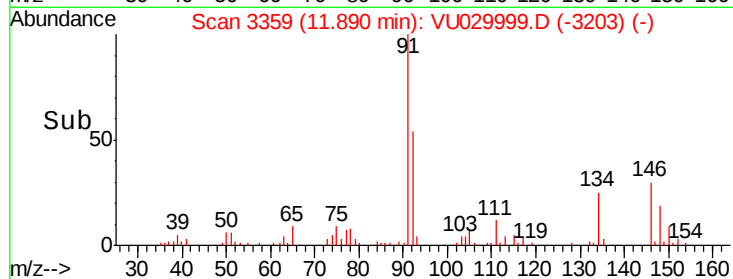
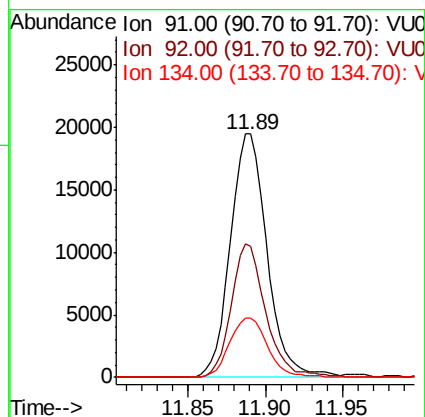
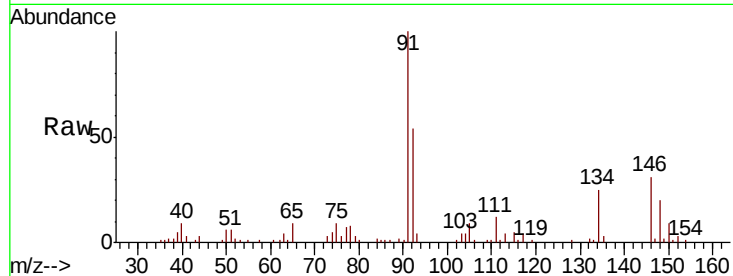
#84
n-Butylbenzene
Concen: 0.466 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	42.4	63.6
134	25.2	21.4	32.0

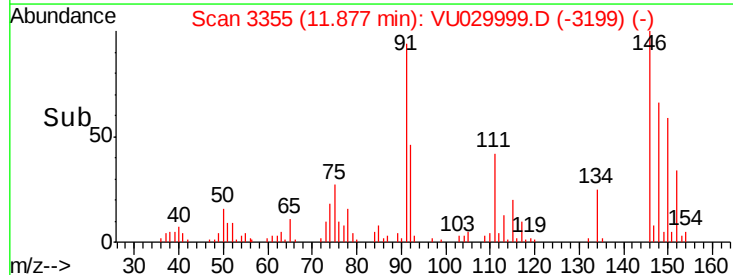
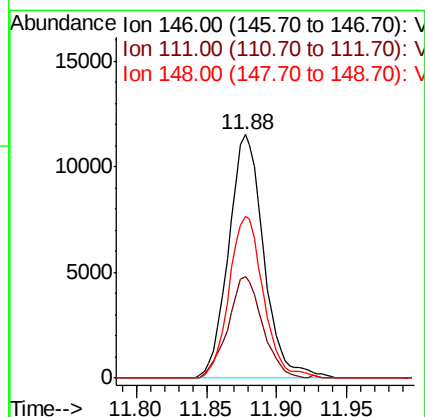
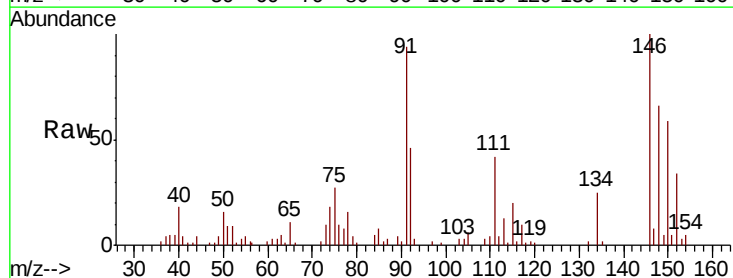
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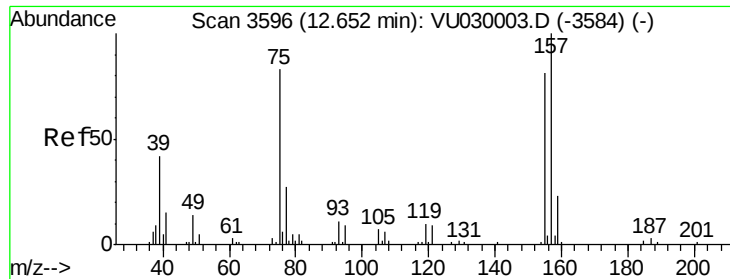
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#85
1,2-Dichlorobenzene
Concen: 0.517 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU029999.D
Acq: 12 Mar 2019 09:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.7
148	65.2	31.7	95.1





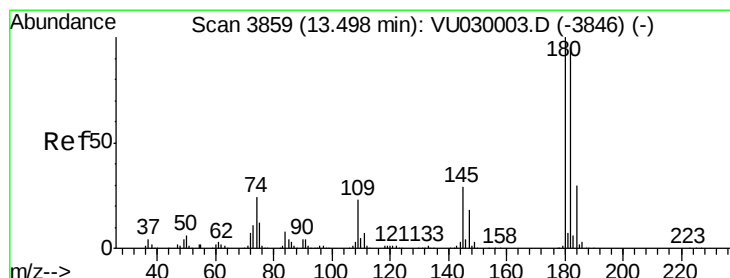
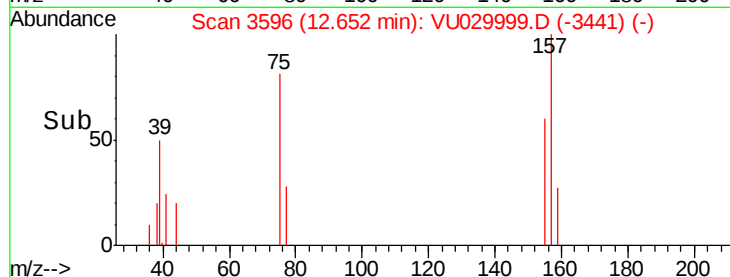
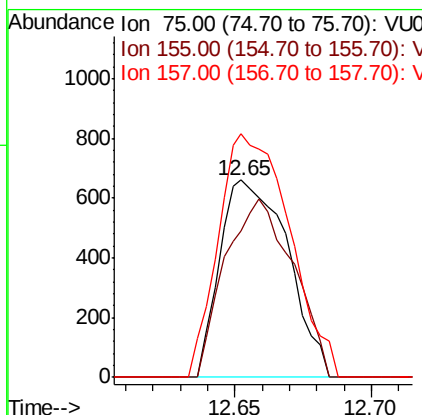
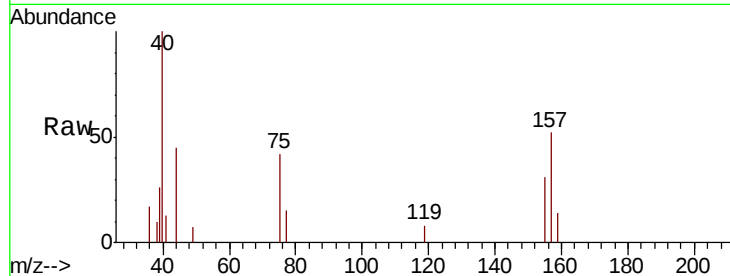
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.499 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tgt Ion: 75 Resp: 1138
 Ion Ratio Lower Upper
 75 100
 155 90.9 78.2 117.4
 157 130.1 97.2 145.8

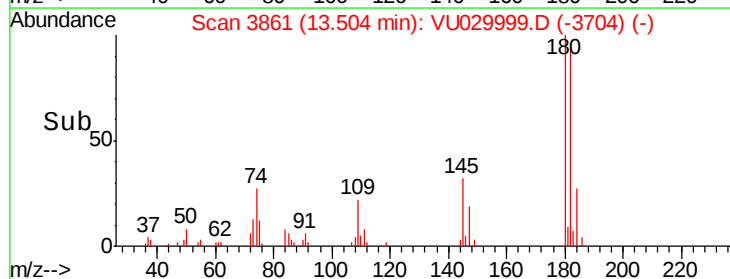
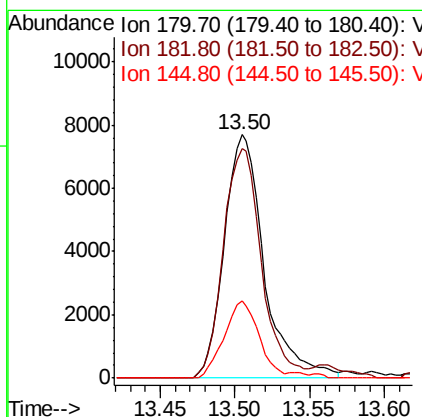
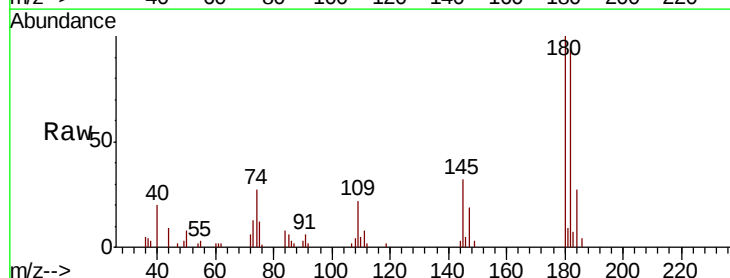
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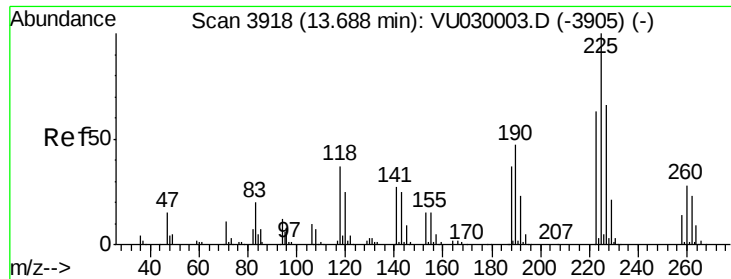
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Tgt Ion: 180 Resp: 14321
 Ion Ratio Lower Upper
 180 100
 182 90.0 76.2 114.2
 145 28.3 23.0 34.6





#88

Hexachlorobutadiene

Concen: 0.518 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. -0.00 min

Lab File: VU029999.D

Acq: 12 Mar 2019 09:50

Instrument :

MSVOA_U

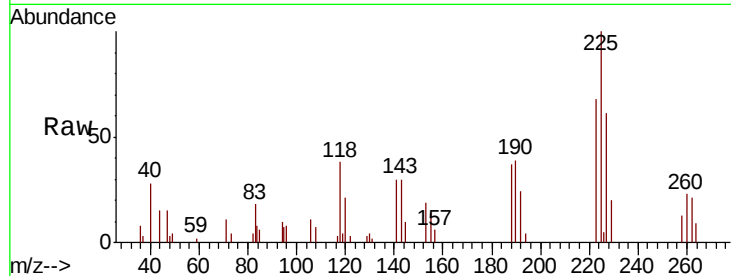
ClientSampleId :

VSTDIC0.5

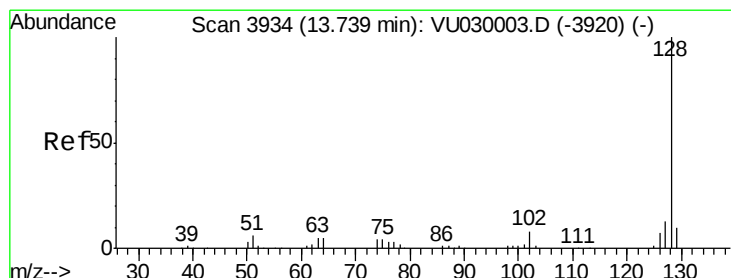
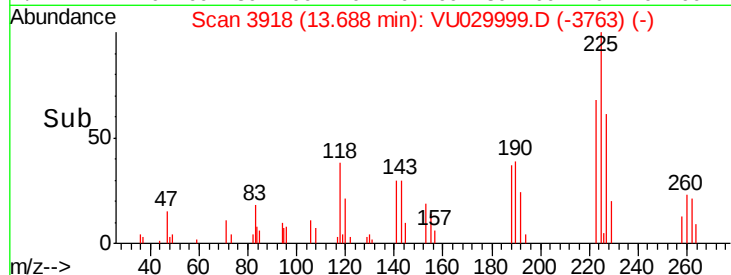
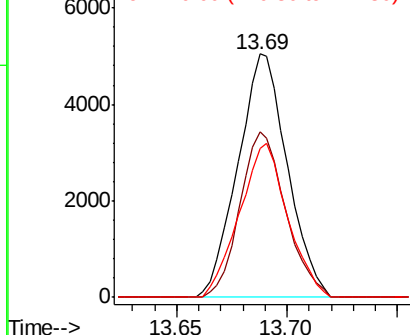
Tgt Ion:	225	Resp:	7856
Ion Ratio	Lower	Upper	
225	100		
223	62.8	50.7	76.1
227	61.5	52.6	78.8

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



#89

Naphthalene

Concen: 0.434 ug/l

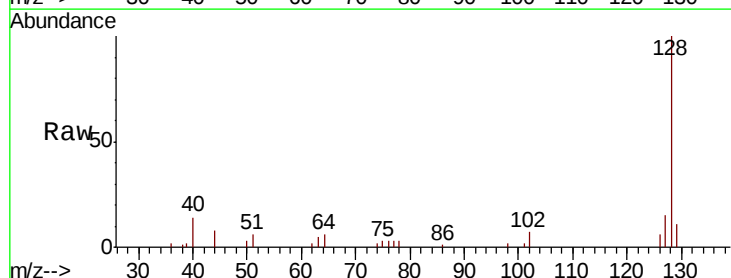
RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

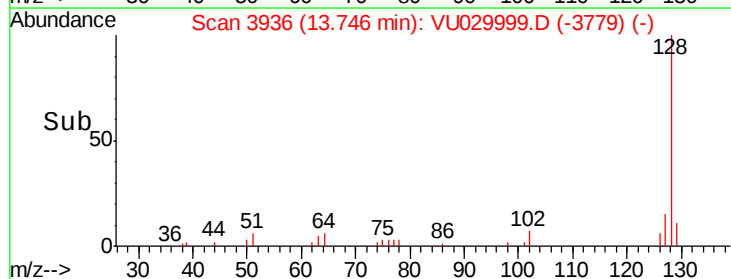
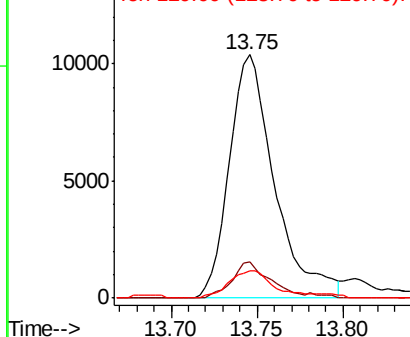
Lab File: VU029999.D

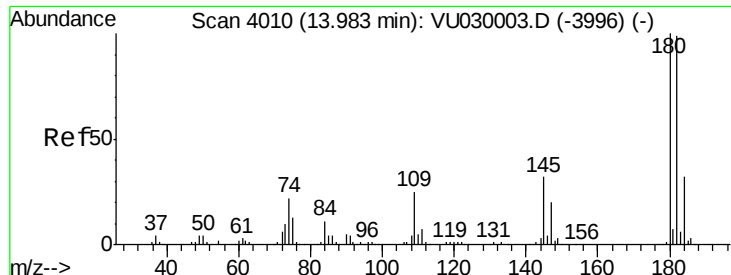
Acq: 12 Mar 2019 09:50

Tgt Ion:	128	Resp:	19009
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.1	15.1
129	12.0	8.5	12.7



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





#90
 1,2,3-Trichlorobenzene
 Concen: 0.498 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU029999.D
 Acq: 12 Mar 2019 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.2	77.6	116.4
145	28.9	24.7	37.1

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