

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031419\
 Data File : VU030000.D
 Acq On : 12 Mar 2019 10:27
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 12:55:24 PM

Quant Time: Mar 13 04:15:50 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	59392	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	20526	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24836	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	21369	0.981 ug/l	99
3) Chloromethane	1.33	50	25290	1.023 ug/l	98
4) Vinyl Chloride	1.40	62	21747	1.027 ug/l	97
5) Bromomethane	1.63	94	13801	1.140 ug/l	100
6) Chloroethane	1.70	64	13554	1.108 ug/l	96
7) Trichlorofluoromethane	1.89	101	27594	1.004 ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14969	1.002 ug/l	99
9) 1,1-Dichloroethene	2.28	96	15028	1.014 ug/l	94
10) Iodomethane	2.41	142	11772	0.917 ug/l	100
11) Allyl Chloride	2.59	41	20650	0.985 ug/l	94
12) Acrylonitrile	2.93	53	6846	2.133 ug/l	95
13) Acetone	2.32	43	14495	5.188 ug/l	99
14) Carbon Disulfide	2.48	76	52765	1.022 ug/l	99
15) Methylene Chloride	2.70	84	18485	1.048 ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	17767	1.038 ug/l	98
17) 1,1-Dichloroethane	3.44	63	29801	1.030 ug/l	99
18) 2-Butanone	4.27	43	17744	4.587 ug/l	97
19) Cyclohexane	4.98	56	23787m	0.963 ug/l	
20) Methylcyclohexane	6.41	83	24977	0.913 ug/l	96
21) 2,2-Dichloropropane	4.22	77	25533	1.050 ug/l	96
22) cis-1,2-Dichloroethene	4.22	96	19605	1.031 ug/l	97
23) Diethyl Ether	2.10	59	10826	0.978 ug/l	93
24) tert-Butyl Alcohol	2.83	59	12202	10.298 ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	38439	1.027 ug/l	99
26) Bromochloromethane	4.55	128	8484	1.019 ug/l	97
27) Chloroform	4.67	83	31832	1.046 ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	25372	1.013 ug/l	99
29) 1,1-Dichloropropene	5.13	75	23288	1.021 ug/l	96
30) Carbon Tetrachloride	5.13	117	22467	1.004 ug/l	96
31) Isopropyl Ether	3.58	45	40793	1.002 ug/l	98
32) Ethyl-t-butyl ether	4.07	59	39121	0.997 ug/l	97
33) Tert-Amyl methyl ether	5.58	73	35644	0.993 ug/l	98
34) Propionitrile	4.34	54	5723	5.215 ug/l #	92
35) Benzene	5.39	78	67474	1.011 ug/l	100
36) 1,2-Dichloroethane	5.40	62	18787	1.053 ug/l	97
37) Trichloroethene	6.18	130	19193	0.999 ug/l	97
38) 1,2-Dichloropropane	6.43	63	17791	1.049 ug/l	99
39) Methacrylonitrile	4.55	41	4700	0.999 ug/l #	88
40) Methyl acrylate	4.43	55	6665	0.897 ug/l #	93
41) Tetrahydrofuran	4.65	42	5775	2.220 ug/l	94
42) 1-Chlorobutane	5.06	56	29904	1.001 ug/l	96

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 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)
43) Dibromomethane	6.56	93	9165	1.045	ug/l	97
44) Bromodichloromethane	6.76	83	21282	1.017	ug/l	95
45) 4-Methyl-2-Pentanone	7.46	43	41505	4.788	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	5739m	1.703	ug/l	
47) Methyl methacrylate	6.63	69	14008	1.906	ug/l	95
48) Ethyl methacrylate	8.02	69	12708	0.917	ug/l	98
49) Toluene	7.63	92	38440	0.956	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	17897	0.955	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	22492	0.955	ug/l	97
52) 1,1,2-Trichloroethane	8.06	97	13131	1.059	ug/l	97
53) 1,3-Dichloropropane	8.24	76	21066	1.016	ug/l	99
54) 2-Hexanone	8.37	43	29160	4.669	ug/l	99
55) Dibromochloromethane	8.47	129	14859	0.996	ug/l	96
56) 1,2-Dibromoethane	8.59	107	11940	1.000	ug/l	99
58) Tetrachloroethene	8.22	164	17130	0.982	ug/l	97
59) Chlorobenzene	9.12	112	45176	0.984	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	15900	0.980	ug/l	97
61) Pentachloroethane	11.10	117	13013	1.039	ug/l	90
62) Hexachloroethane	12.14	117	12188	0.966	ug/l	98
63) Ethyl Benzene	9.25	91	72116	0.956	ug/l	99
64) m/p-Xylenes	9.37	106	55939	1.885	ug/l	99
65) o-Xylene	9.78	106	28444	0.977	ug/l	96
66) Styrene	9.79	104	44823	0.940	ug/l	100
67) Bromoform	9.96	173	7974	0.935	ug/l	99
69) Isopropylbenzene	10.16	105	71638	0.944	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	15333	1.003	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	11448m	1.009	ug/l	
72) Bromobenzene	10.45	156	19191	0.964	ug/l	98
73) n-propylbenzene	10.58	120	19509	0.906	ug/l	97
74) 2-Chlorotoluene	10.66	126	18256	0.968	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	59332	0.918	ug/l	98
76) 4-Chlorotoluene	10.77	126	18393	0.956	ug/l	96
77) tert-Butylbenzene	11.10	119	59516	0.940	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	60716	0.923	ug/l	99
79) sec-Butylbenzene	11.32	105	80350	0.948	ug/l	98
81) p-Isopropyltoluene	11.47	119	65598	0.922	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	40493	1.007	ug/l	98
83) 1,4-Dichlorobenzene	11.50	146	40208	0.995	ug/l	98
84) n-Butylbenzene	11.89	91	60280	0.907	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	37703	1.008	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2029	0.921	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	25680	0.951	ug/l	98
88) Hexachlorobutadiene	13.69	225	14003	0.957	ug/l	98
89) Naphthalene	13.74	128	35934	0.849	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	23499	0.961	ug/l	99

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

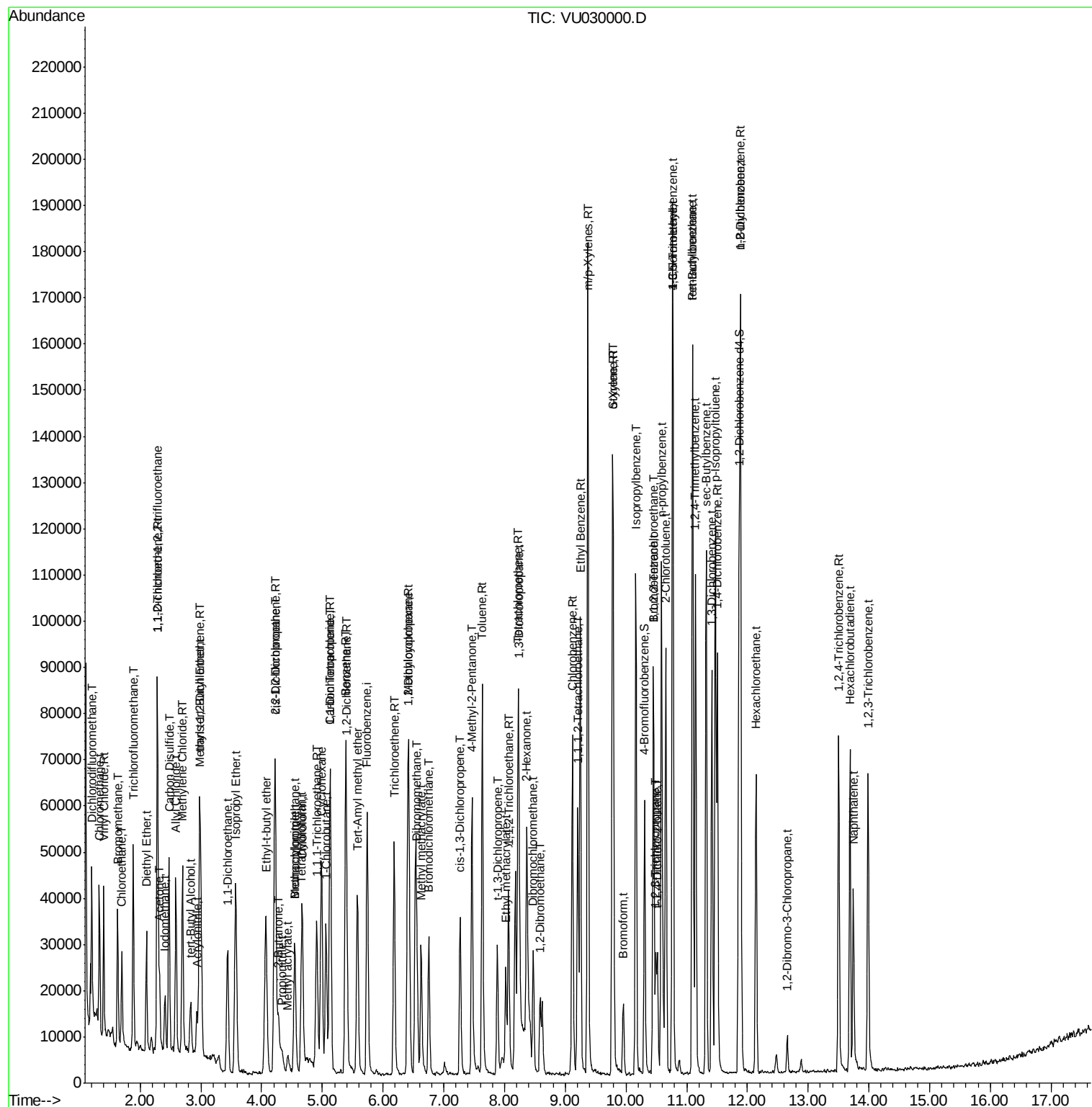
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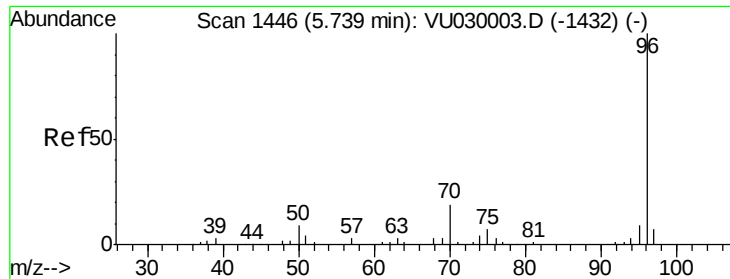
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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Quant Time: Mar 13 04:15:50 2019
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 13 04:00:32 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

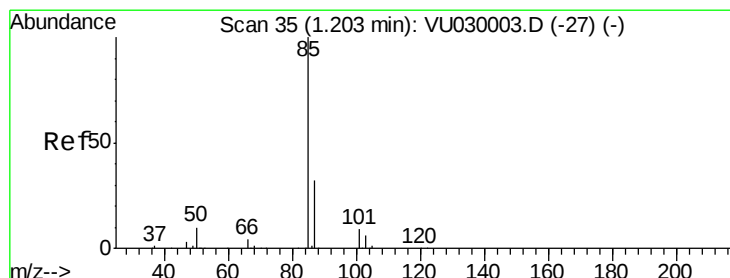
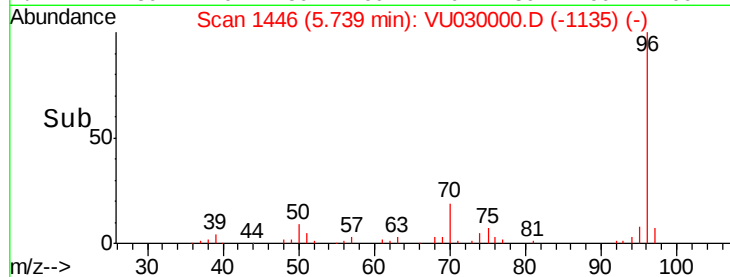
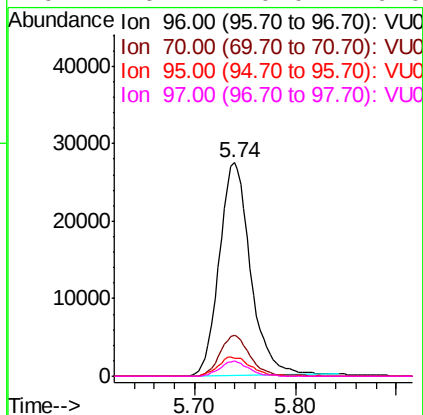
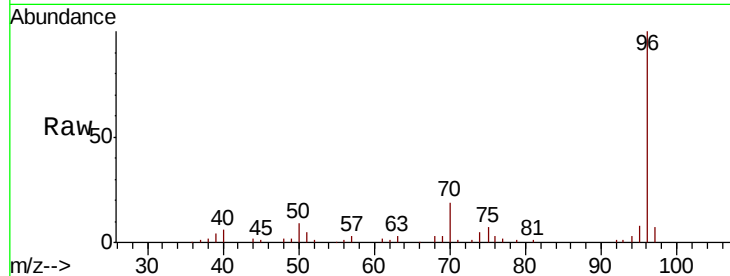
ClientSampleId :

VSTDIC001

Tgt Ion:	96	Resp:	59392
Ion Ratio	Lower	Upper	
96	100		
70	18.6	15.5	23.3
95	9.2	6.6	9.8
97	6.4	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.981 ug/l

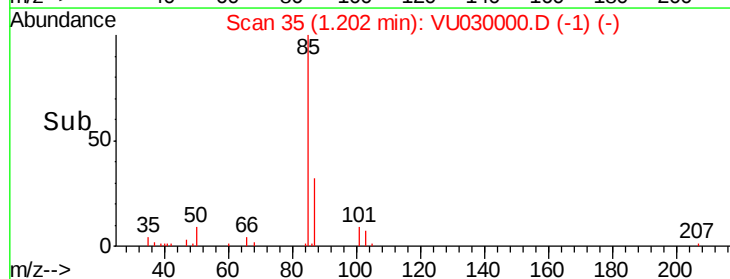
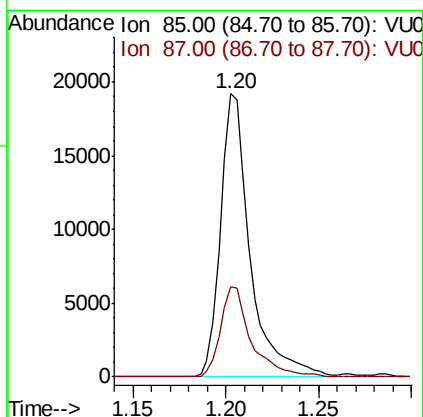
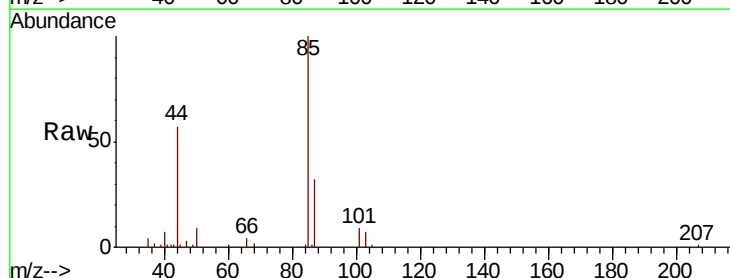
RT: 1.20 min Scan# 35

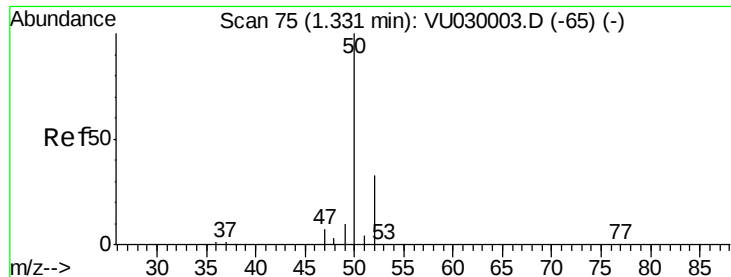
Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Tgt Ion:	85	Resp:	21369
Ion Ratio	Lower	Upper	
85	100		
87	32.0	16.2	48.6





#3

Chloromethane

Concen: 1.023 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 25290

Ion Ratio Lower Upper

50 100

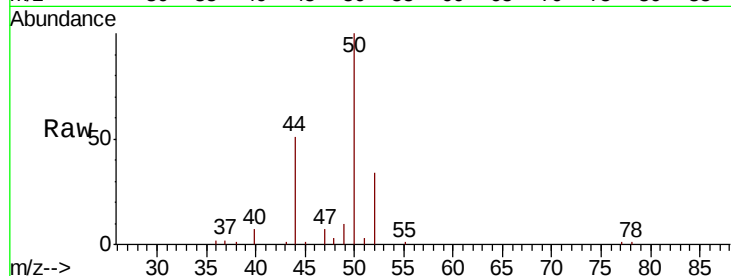
52 33.9 26.1 39.1

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VU030000.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU030000.D (-1) (-)

1.33

20000

15000

10000

5000

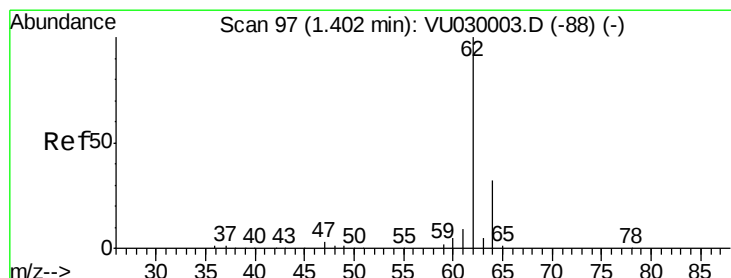
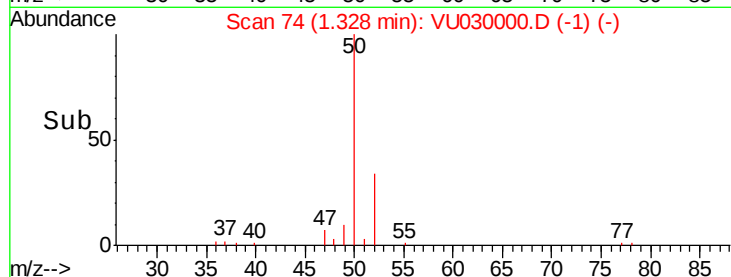
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Time-->

1.30

1.35

1.40



#4

Vinyl Chloride

Concen: 1.027 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030000.D

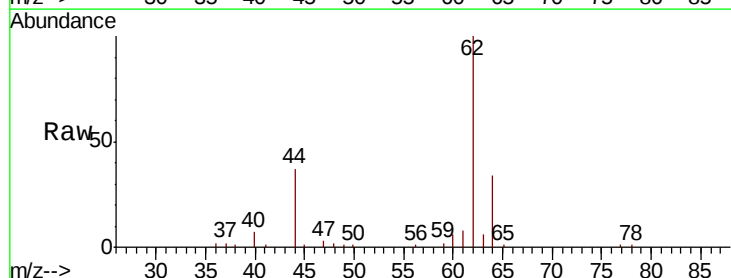
Acq: 12 Mar 2019 10:27

Tgt Ion: 62 Resp: 21747

Ion Ratio Lower Upper

62 100

64 34.0 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU030000.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU030000.D (-1) (-)

1.40

20000

15000

10000

5000

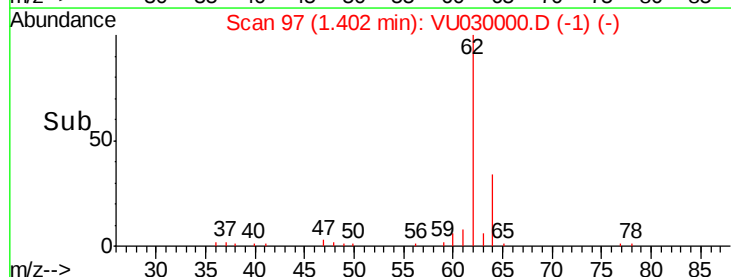
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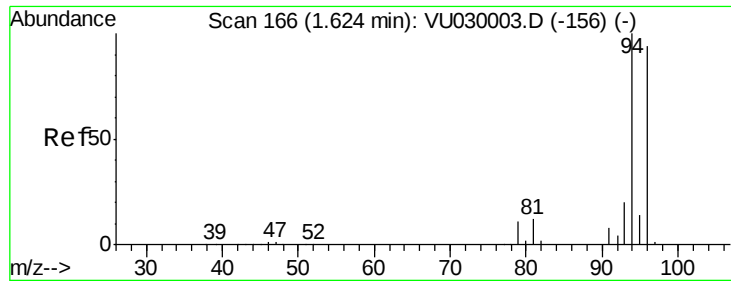
Time-->

1.35

1.40

1.45





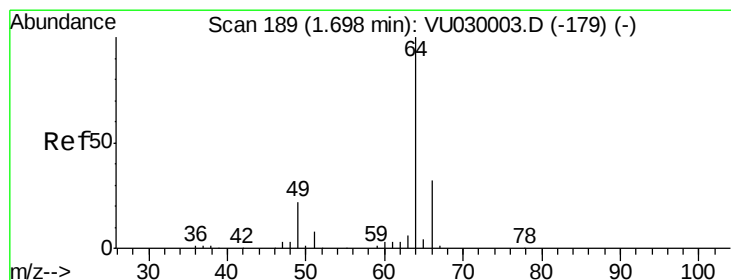
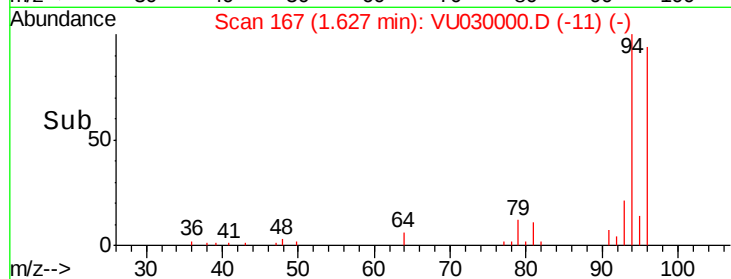
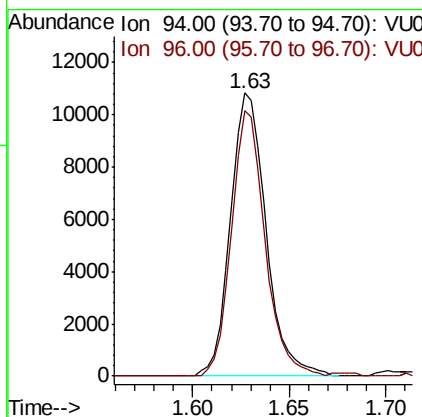
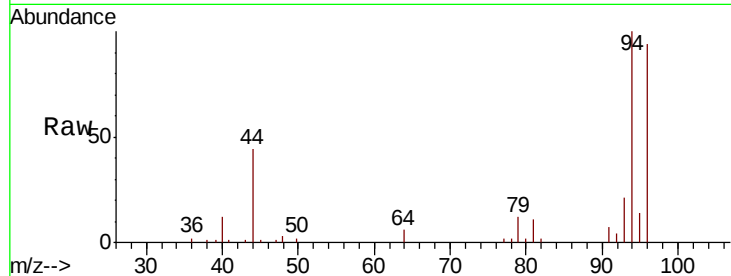
#5
 Bromomethane
 Concen: 1.140 ug/l
 RT: 1.63 min Scan# 167
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 94 Resp: 13801
 Ion Ratio Lower Upper
 94 100
 96 93.9 75.2 112.8

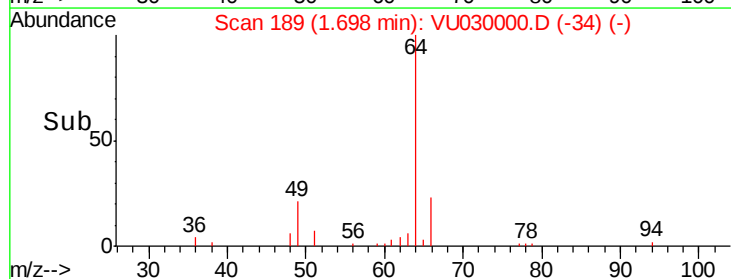
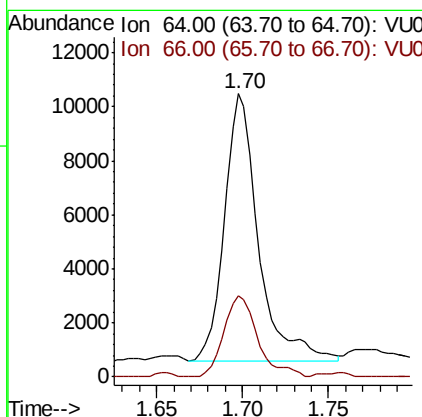
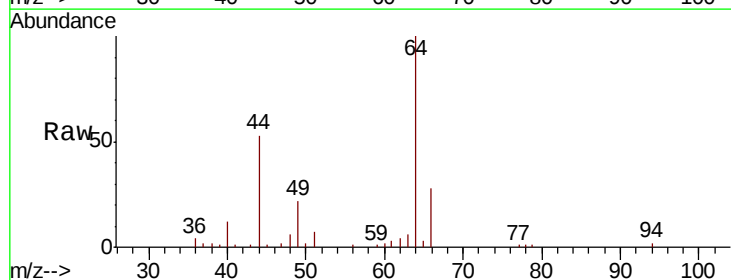
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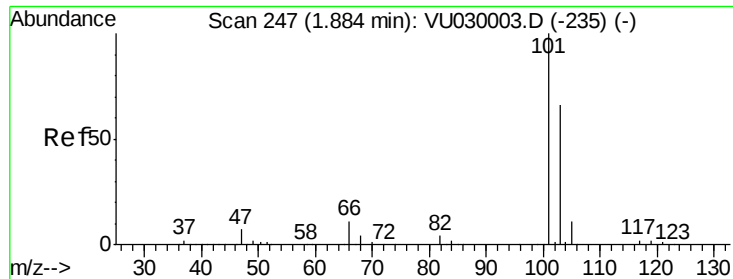
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#6
 Chloroethane
 Concen: 1.108 ug/l
 RT: 1.70 min Scan# 189
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 64 Resp: 13554
 Ion Ratio Lower Upper
 64 100
 66 30.2 25.8 38.6





#7

Trichlorofluoromethane

Concen: 1.004 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:101 Resp: 27594

Ion Ratio Lower Upper

101 100

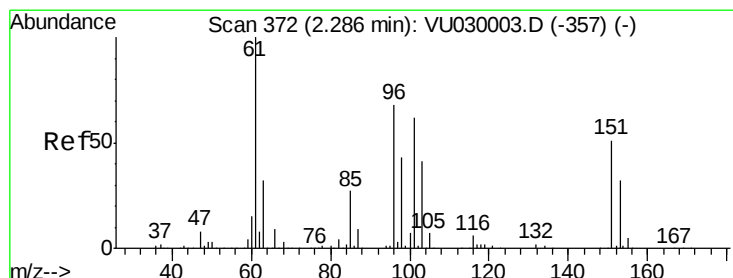
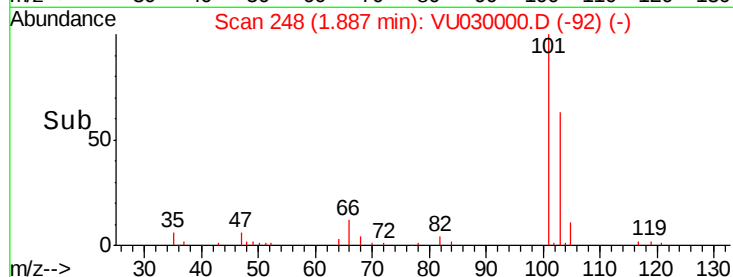
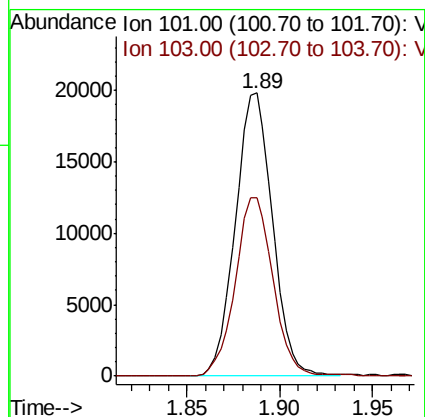
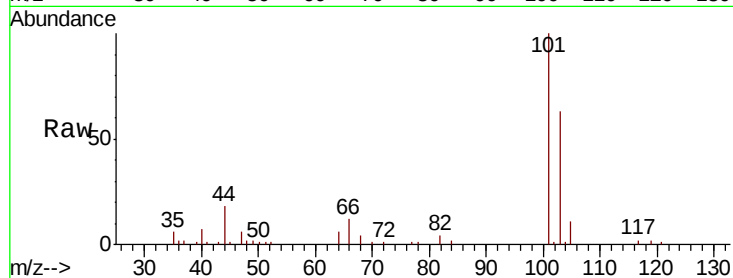
103 63.1 52.6 79.0

Manual Integrations

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#8

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

Concen: 1.002 ug/l

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

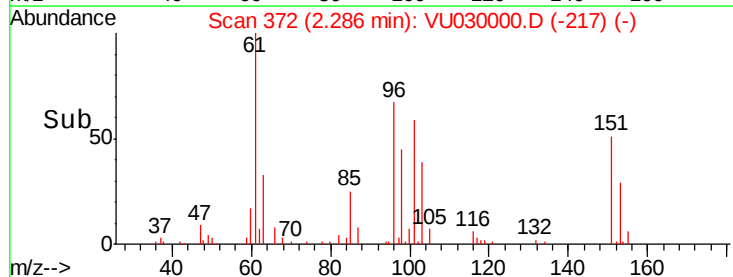
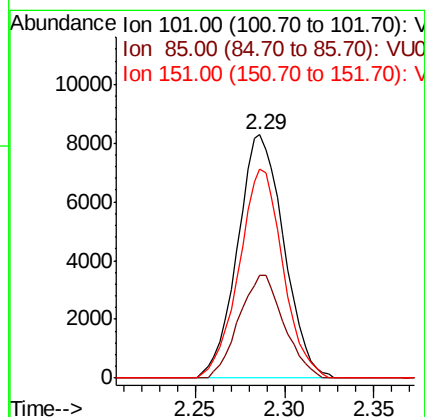
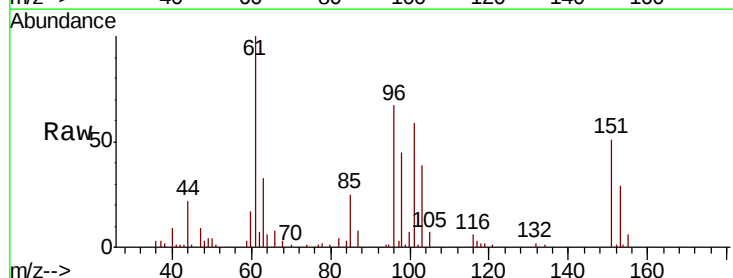
Tgt Ion:101 Resp: 14969

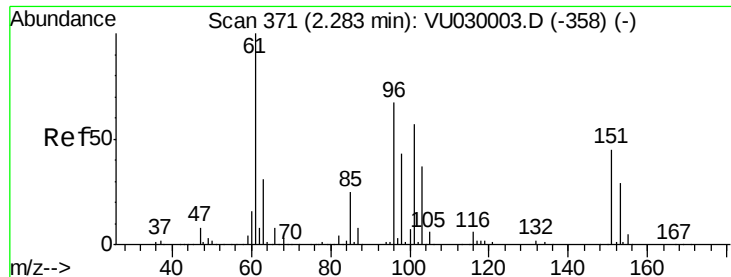
Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

151 81.4 65.0 97.4





#9

1,1-Dichloroethene

Concen: 1.014 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

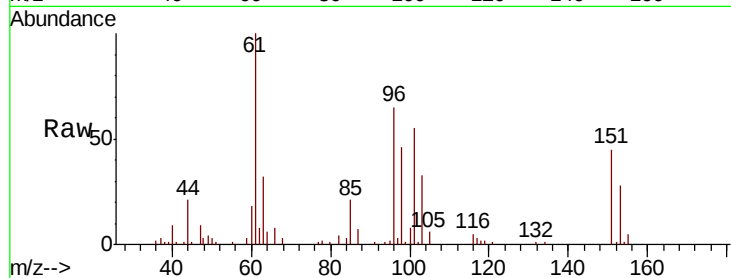
ClientSampleId :

VSTDIC001

Tgt Ion:	96	Resp:	15028
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	447.0
98	71.8	0.0	129.2

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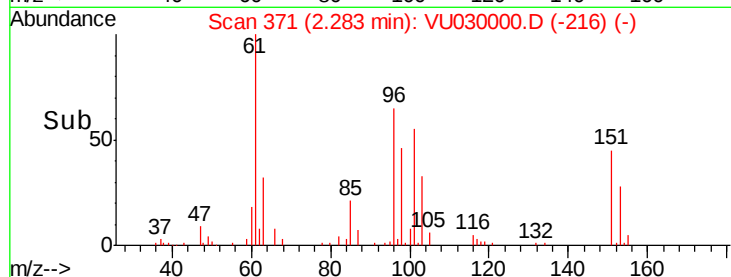


Abundance Ion 96.00 (95.70 to 96.70): VU030003.D (-358) (-)

Ion 61.00 (60.70 to 61.70): VU030003.D (-358) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-358) (-)

Time-->

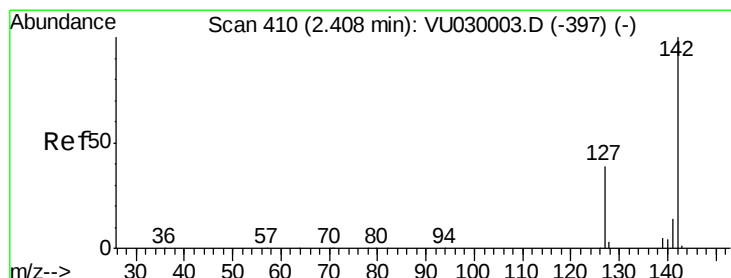


Abundance Ion 96.00 (95.70 to 96.70): VU030000.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU030000.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU030000.D (-216) (-)

Time-->



#10

Iodomethane

Concen: 0.917 ug/l

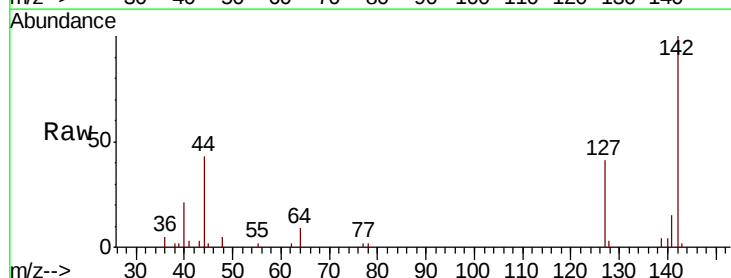
RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

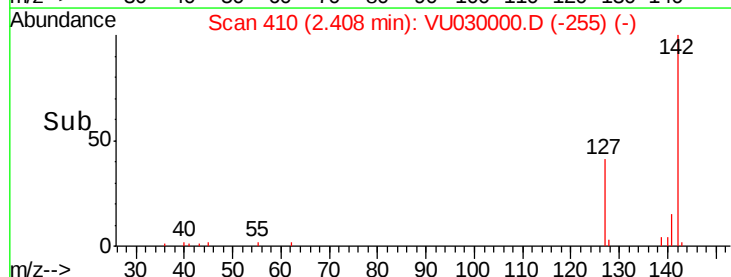
Tgt Ion:	142	Resp:	11772
Ion	Ratio	Lower	Upper
142	100		
127	40.1	32.2	48.4



Abundance Ion 142.00 (141.70 to 142.70): VU030003.D (-397) (-)

Ion 127.00 (126.70 to 127.70): VU030003.D (-397) (-)

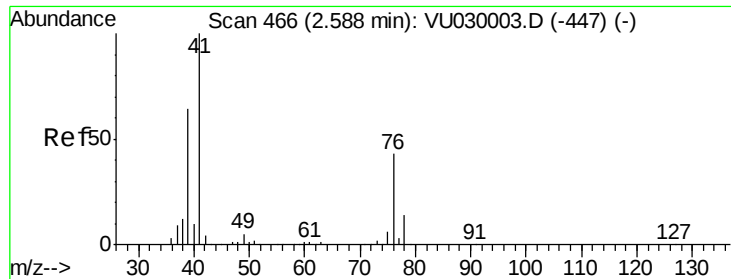
Time-->



Abundance Ion 142.00 (141.70 to 142.70): VU030000.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU030000.D (-255) (-)

Time-->



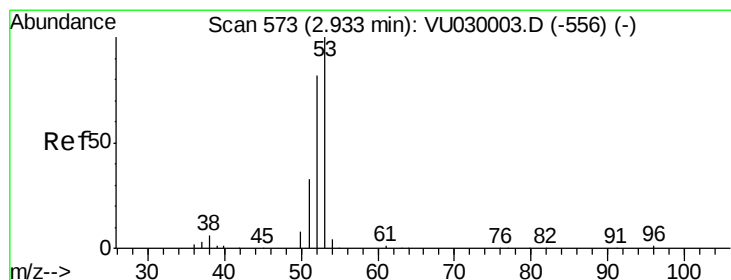
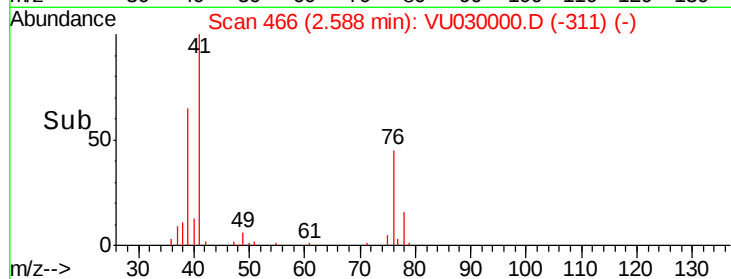
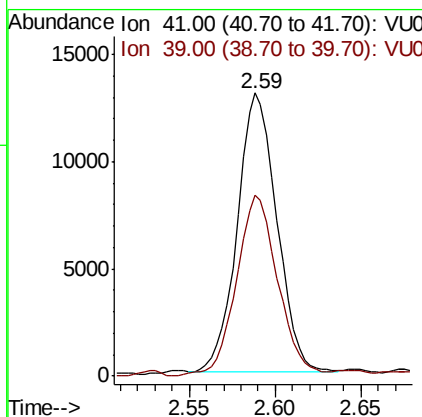
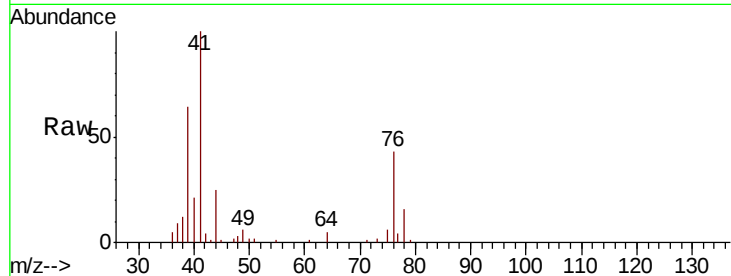
#11
 Allyl Chloride
 Concen: 0.985 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 20650
 Ion Ratio Lower Upper
 41 100
 39 68.5 50.8 76.2

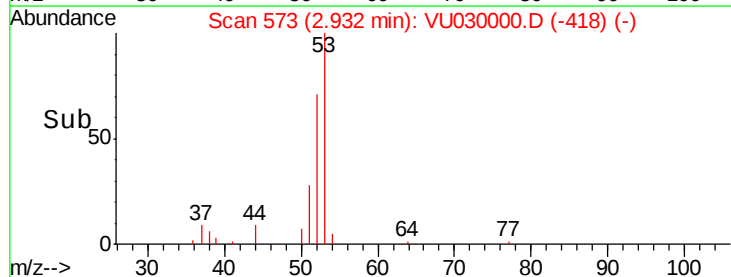
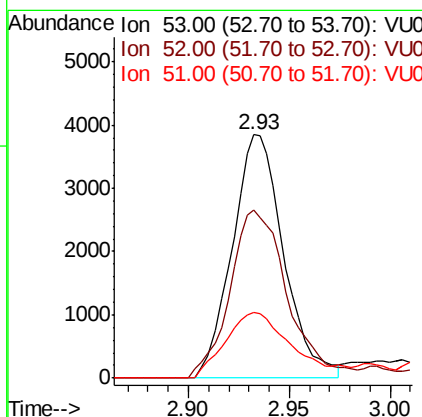
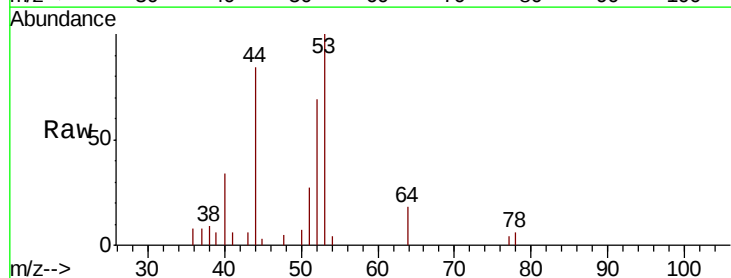
Manual Integrations
 APPROVED

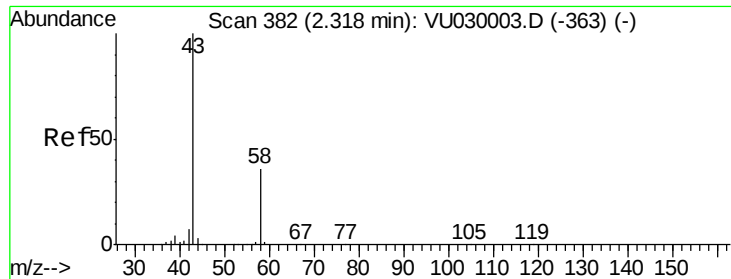
MMDadoda
 3/13/2019 12:55:24 PM



#12
 Acrylonitrile
 Concen: 2.133 ug/l
 RT: 2.93 min Scan# 573
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 53 Resp: 6846
 Ion Ratio Lower Upper
 53 100
 52 77.2 66.3 99.5
 51 35.3 26.9 40.3





#13

Acetone

Concen: 5.188 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tgt Ion: 43 Resp: 14495

Ion Ratio Lower Upper

43 100

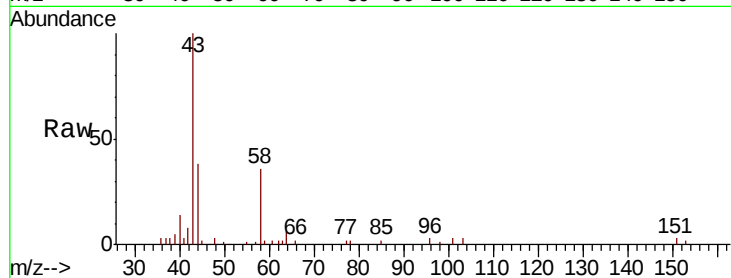
58 36.6 28.6 43.0

Manual Integrations

APPROVED

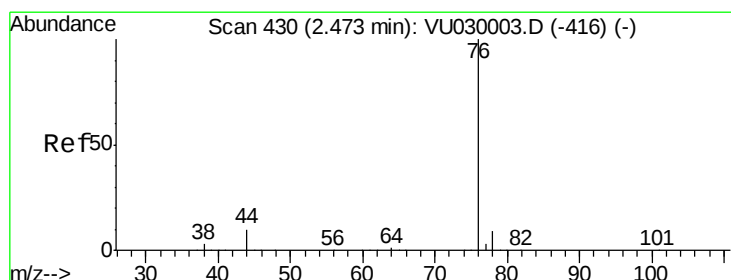
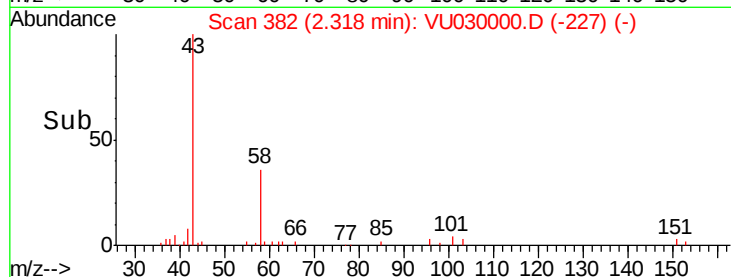
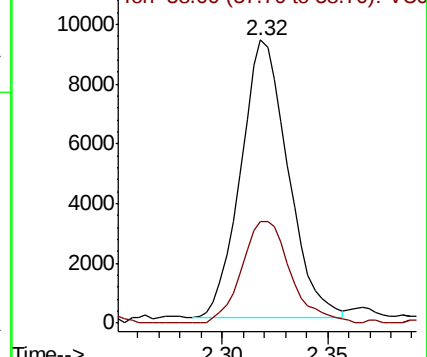
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3/13/2019 12:55:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.022 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU030000.D

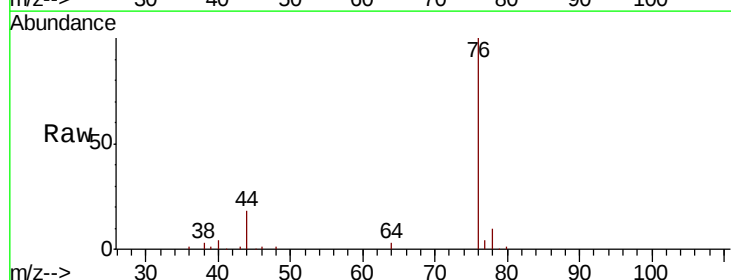
Acq: 12 Mar 2019 10:27

Tgt Ion: 76 Resp: 52765

Ion Ratio Lower Upper

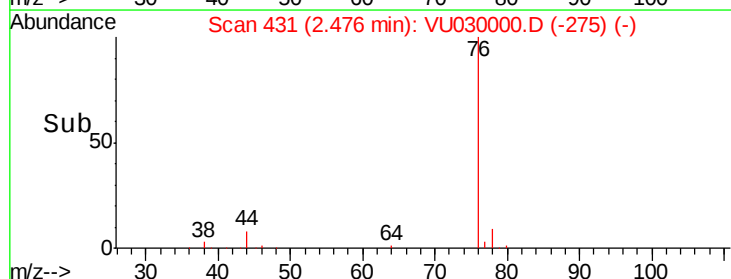
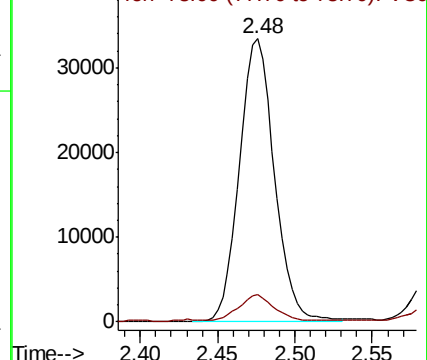
76 100

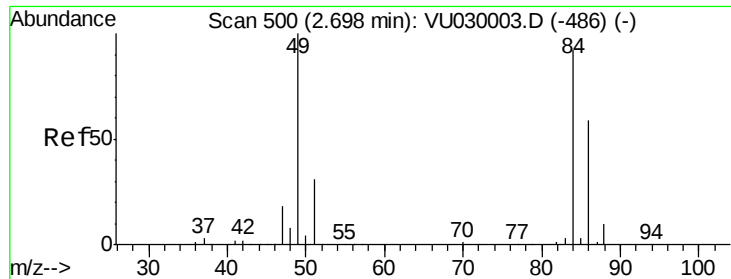
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





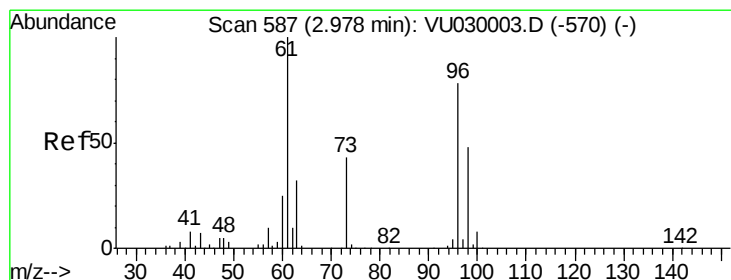
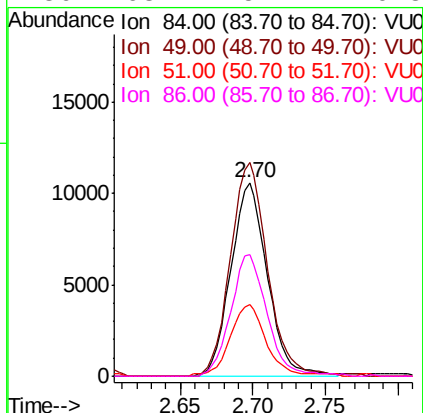
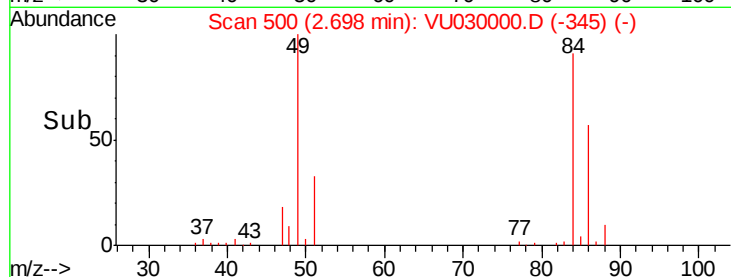
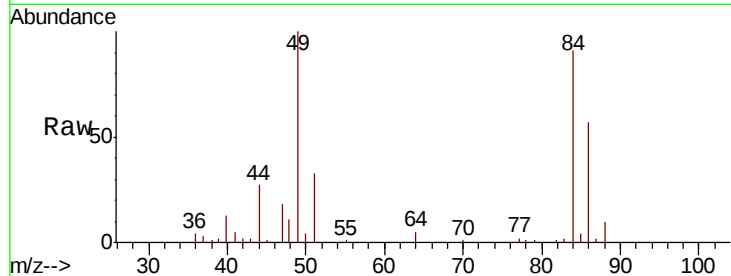
#15
Methylene Chloride
Concen: 1.048 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.4	86.5	129.7
51	36.7	0.0	66.8
86	63.1	51.2	76.8

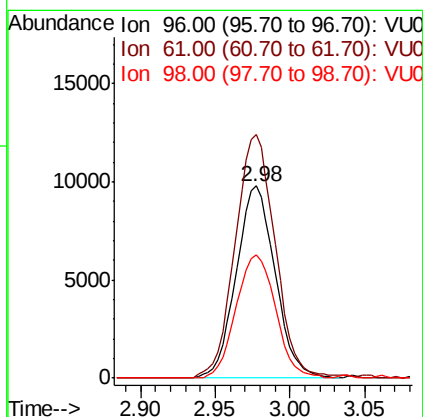
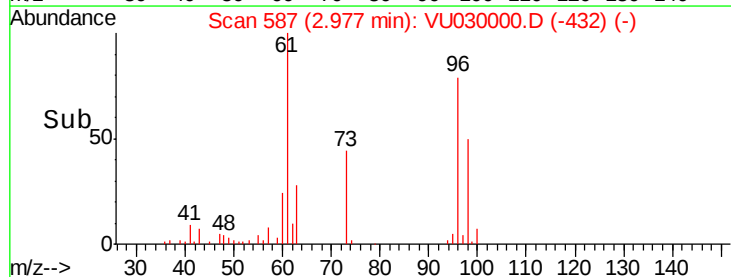
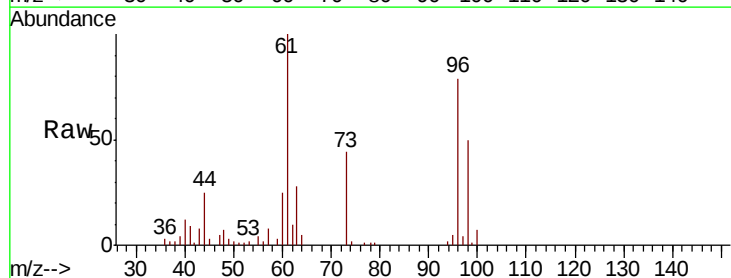
Manual Integrations
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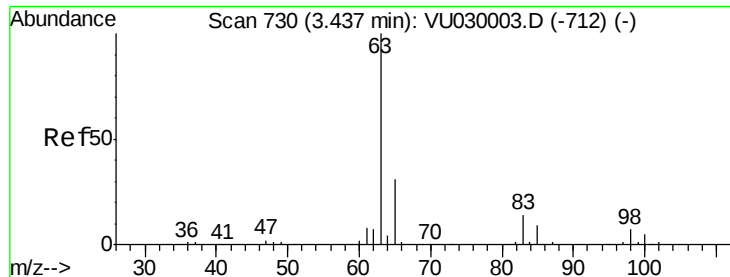
MMDadoda
3/13/2019 12:55:24 PM



#16
trans-1,2-Dichloroethene
Concen: 1.038 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.6	103.0	154.6
98	63.9	49.5	74.3





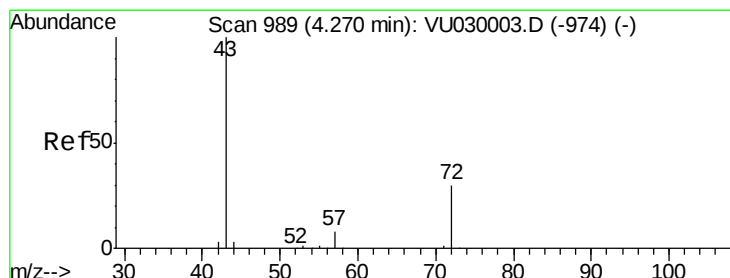
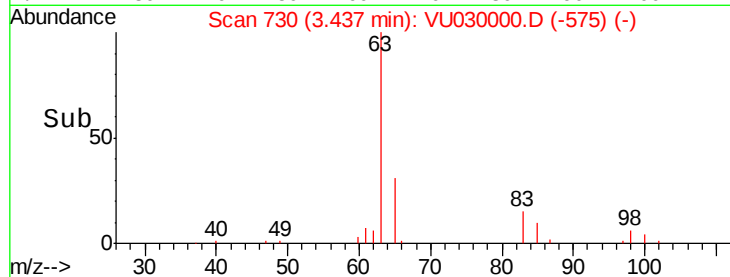
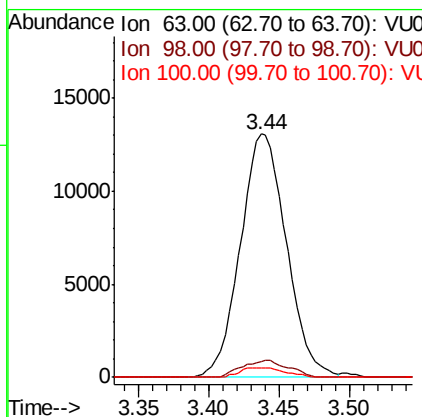
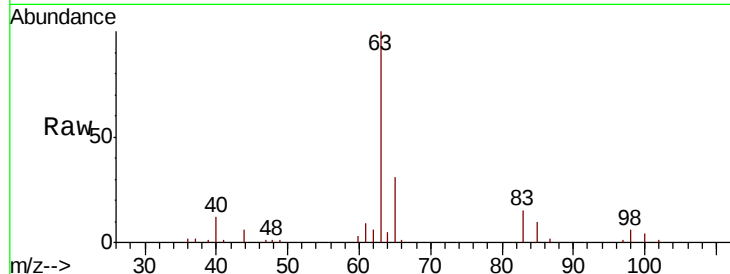
#17
 1,1-Dichloroethane
 Concen: 1.030 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.2
100	4.0	2.3	6.8

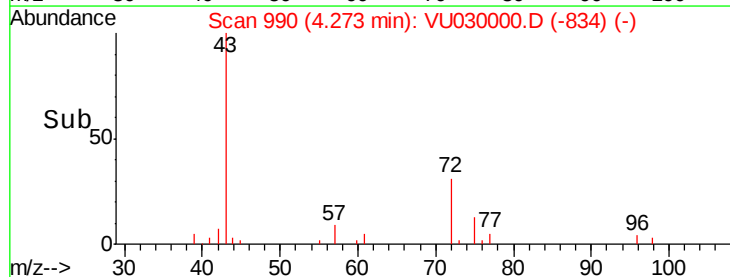
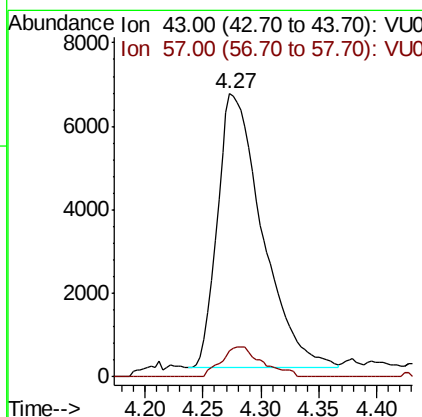
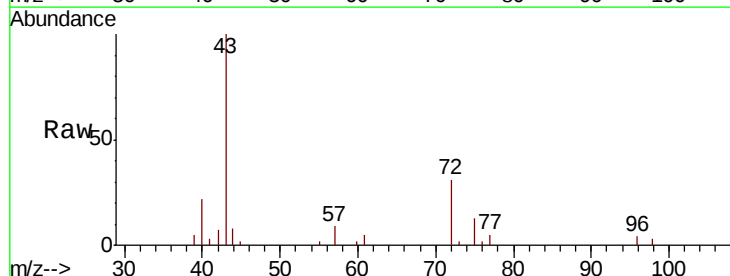
Manual Integrations
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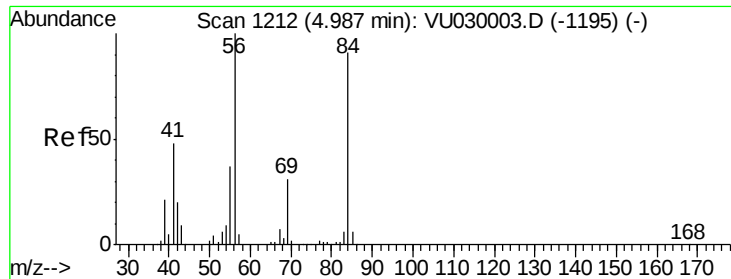
MMDadoda
 3/13/2019 12:55:24 PM



#18
 2-Butanone
 Concen: 4.587 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.3	0.0	16.8





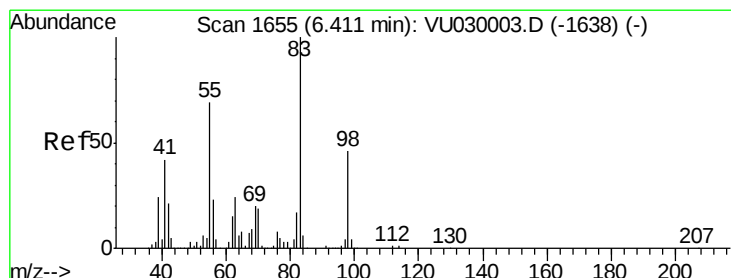
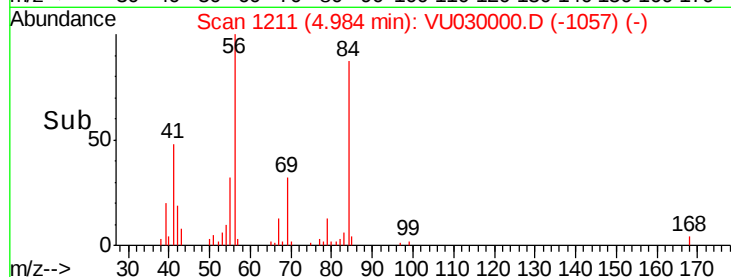
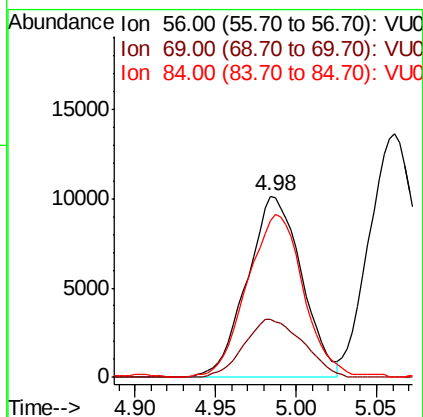
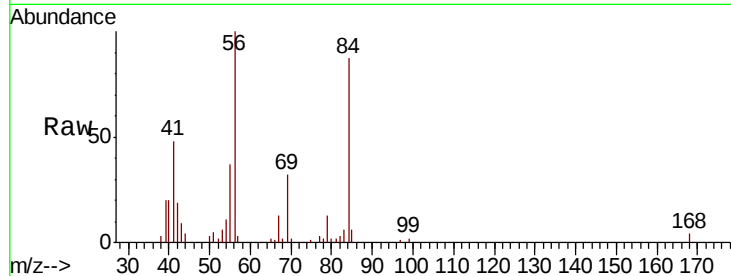
#19
Cyclohexane
Concen: 0.963 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.7	38.5
84	90.6	72.9	109.3

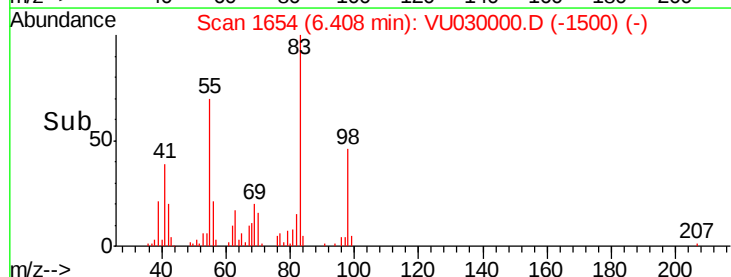
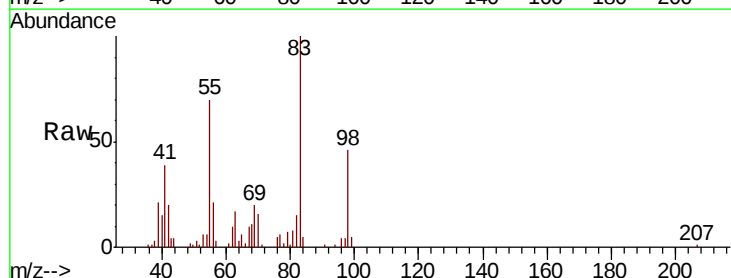
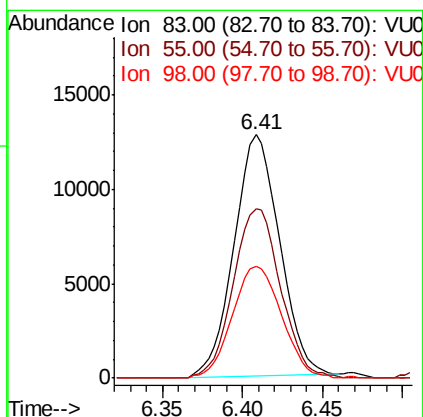
Manual Integrations
APPROVED

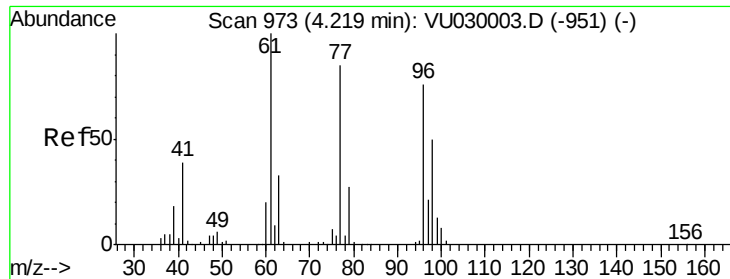
MMDadoda
3/13/2019 12:55:24 PM



#20
Methylcyclohexane
Concen: 0.913 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.7	55.6	83.4
98	50.0	37.4	56.0





#21

2,2-Dichloropropane

Concen: 1.050 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 77 Resp: 25533

Ion Ratio Lower Upper

77 100

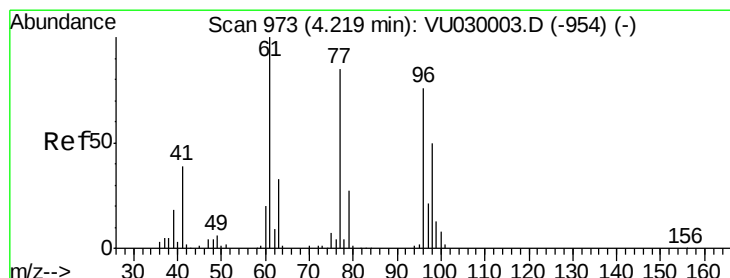
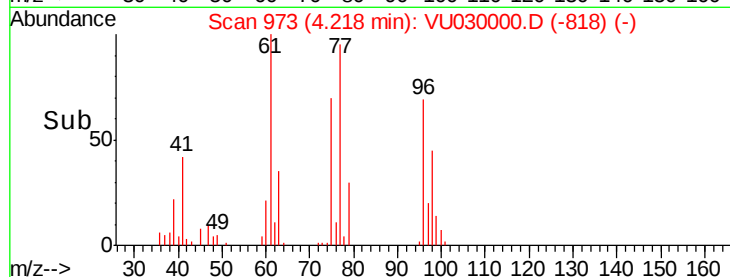
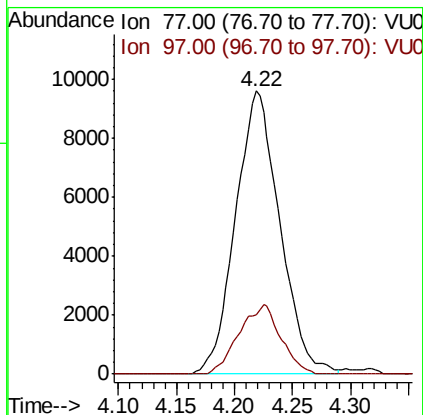
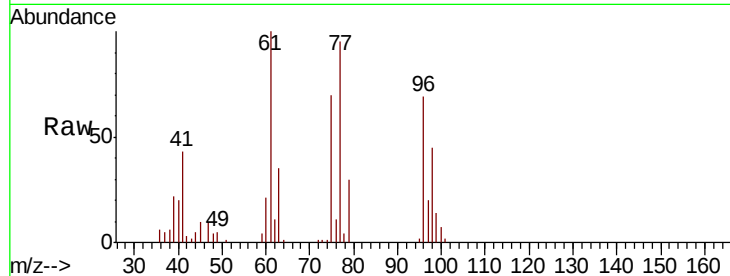
97 23.1 20.2 30.4

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 1.031 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

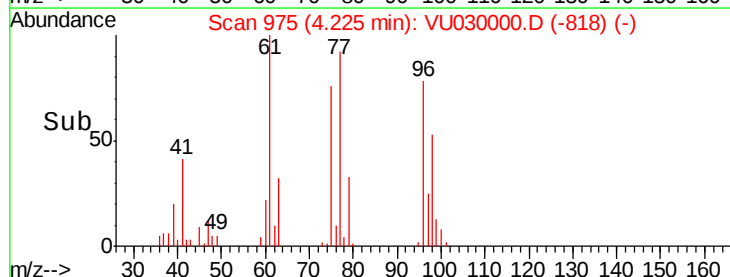
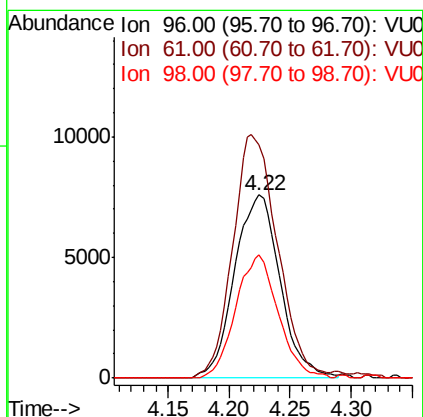
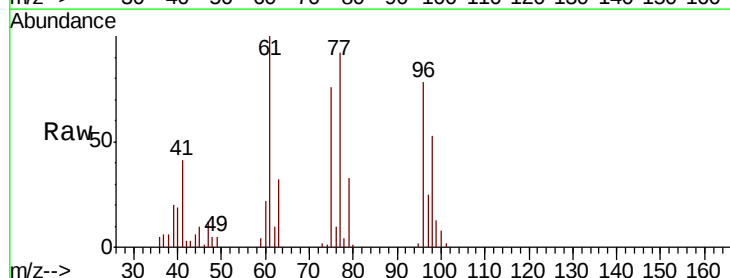
Tgt Ion: 96 Resp: 19605

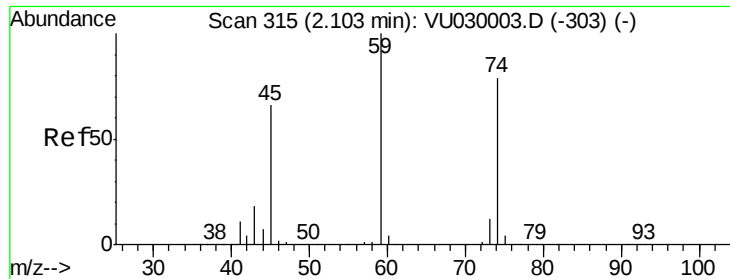
Ion Ratio Lower Upper

96 100

61 131.0 0.0 335.8

98 62.7 32.6 97.7





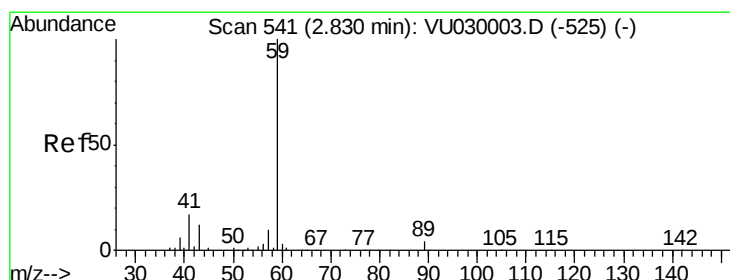
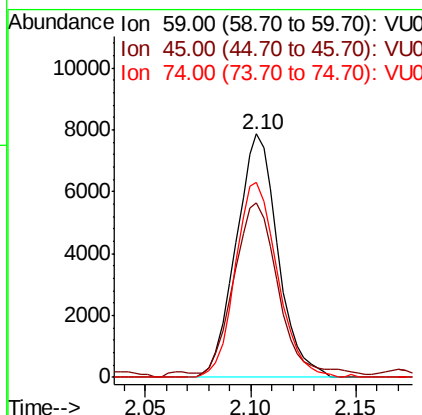
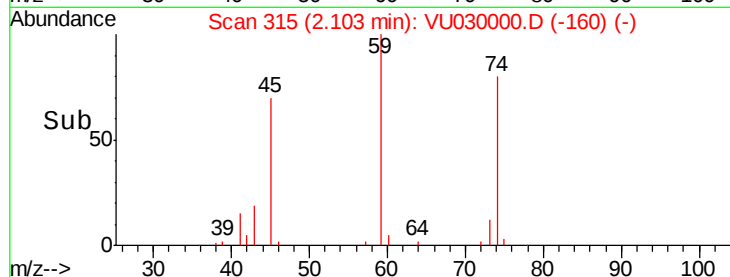
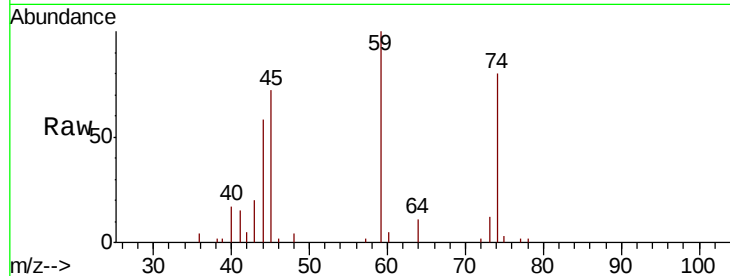
#23
Diethyl Ether
Concen: 0.978 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
59	100		
45	73.1	52.3	78.5
74	80.5	61.1	91.7

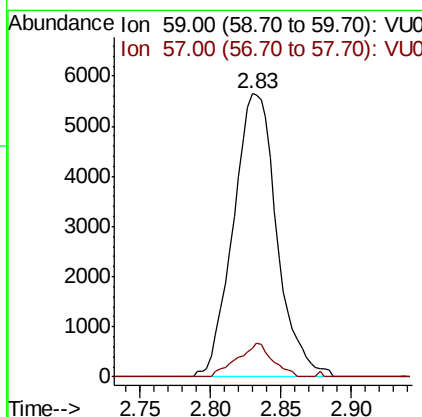
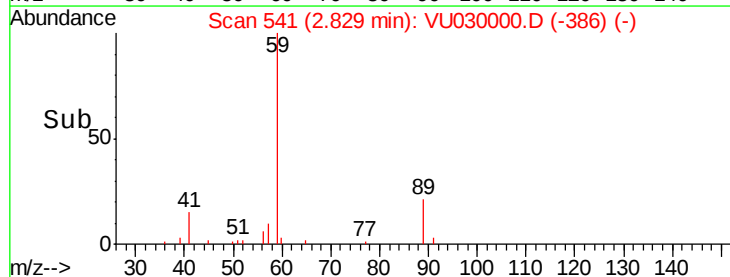
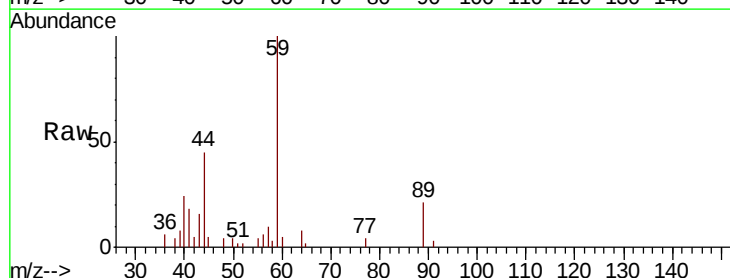
Manual Integrations
APPROVED

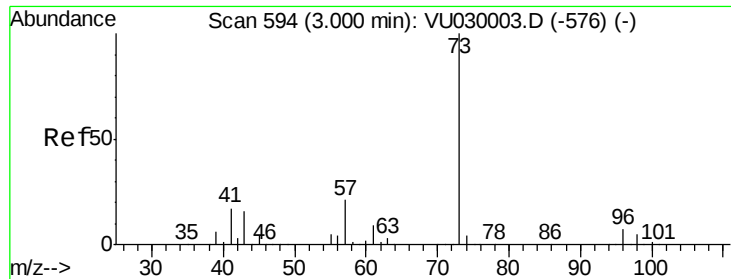
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 10.298 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.7	11.5





#25

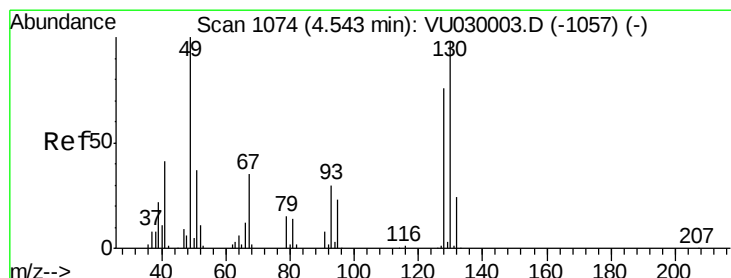
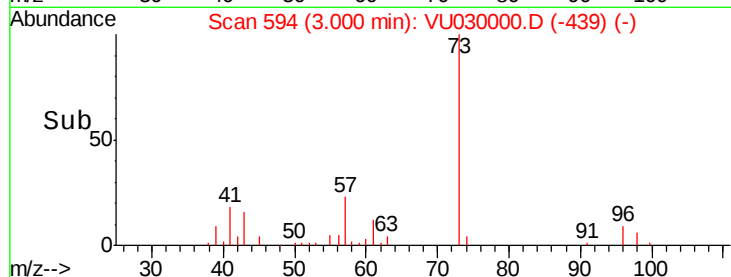
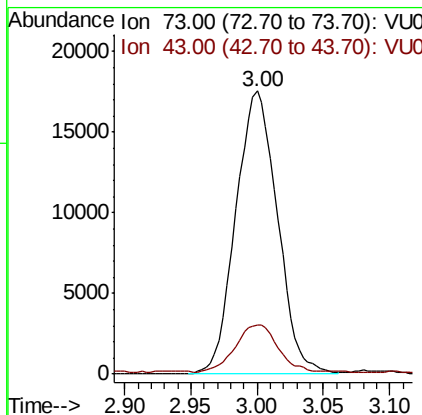
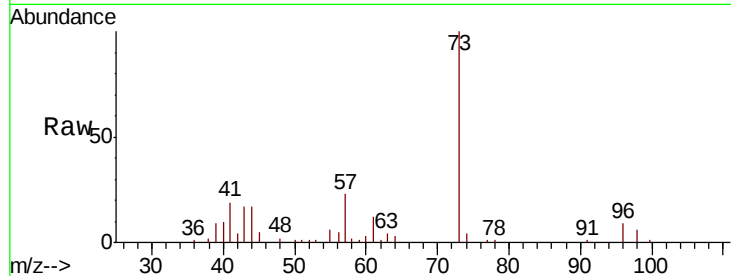
Methyl tert-Butyl Ether
Concen: 1.027 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
73	100		
43	16.8	13.1	19.7

Manual Integrations
APPROVED

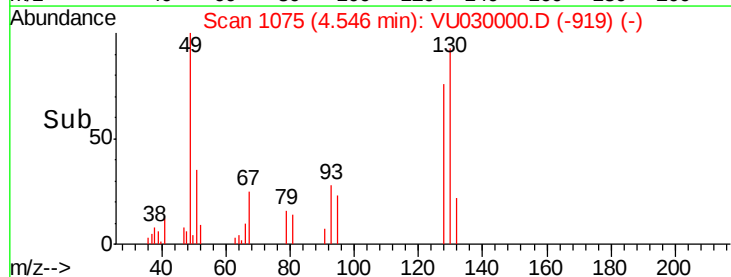
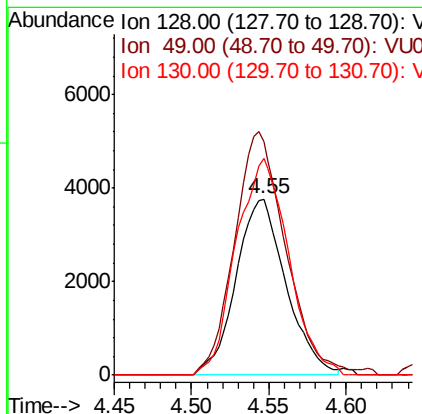
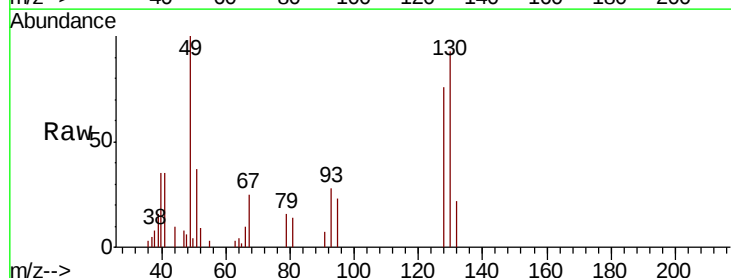
MMDadoda
3/13/2019 12:55:24 PM

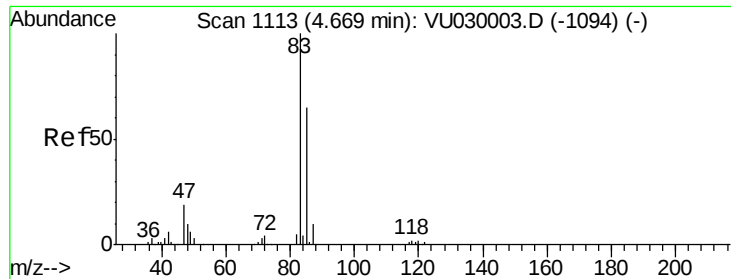


#26

Bromochloromethane
Concen: 1.019 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
128	100		
49	140.9	0.0	270.4
130	128.9	102.6	153.8





#27

Chloroform

Concen: 1.046 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 31832

Ion Ratio Lower Upper

83 100

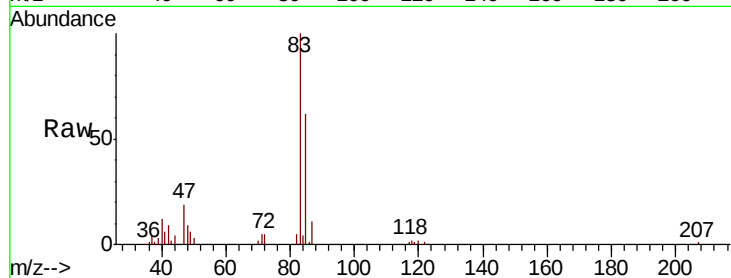
85 62.4 0.0 129.0

Manual Integrations

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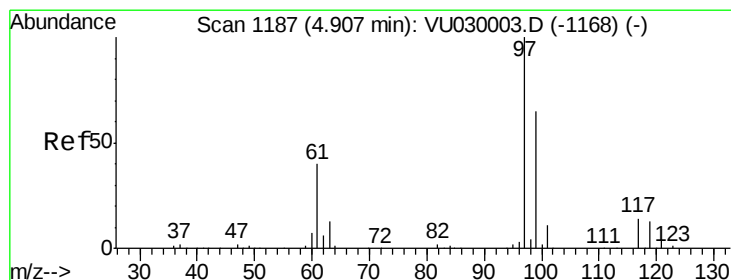
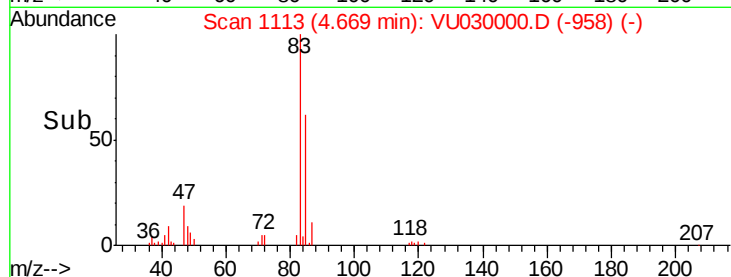
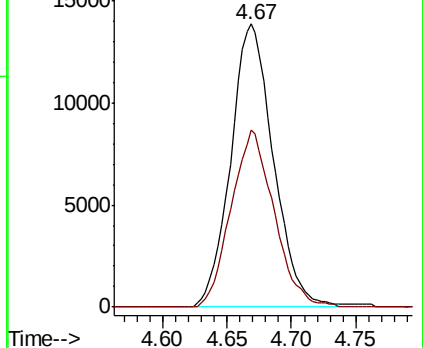
MMDadoda

3/13/2019 12:55:24 PM



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 1.013 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

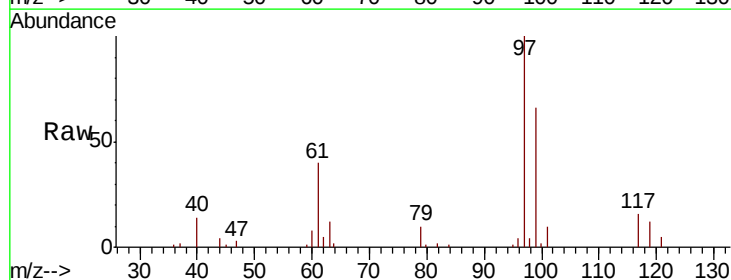
Tgt Ion: 97 Resp: 25372

Ion Ratio Lower Upper

97 100

99 64.9 32.4 97.0

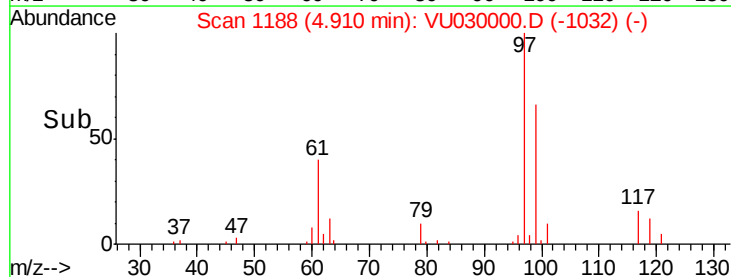
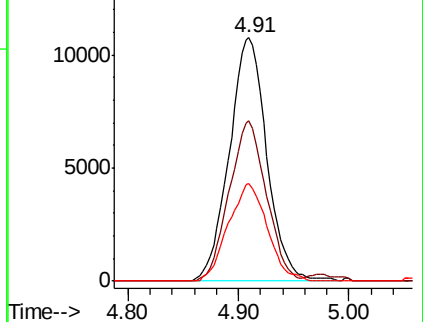
61 41.6 20.4 61.2

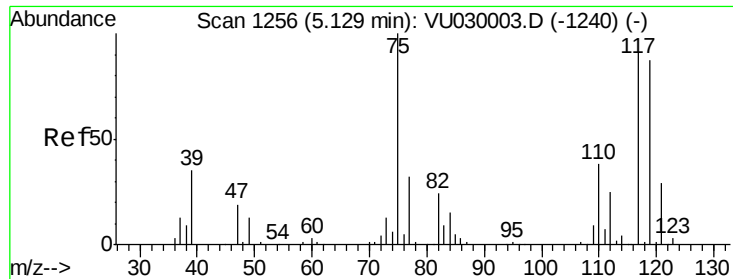


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





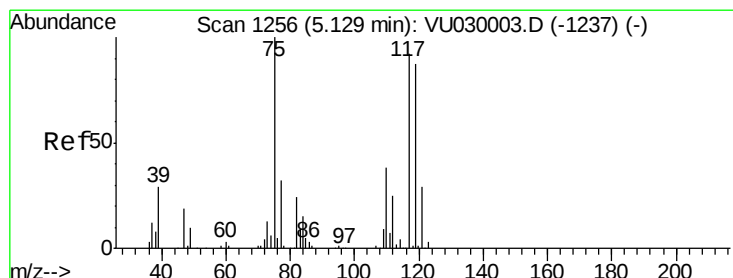
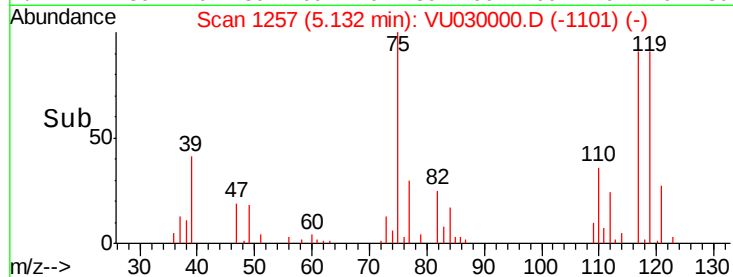
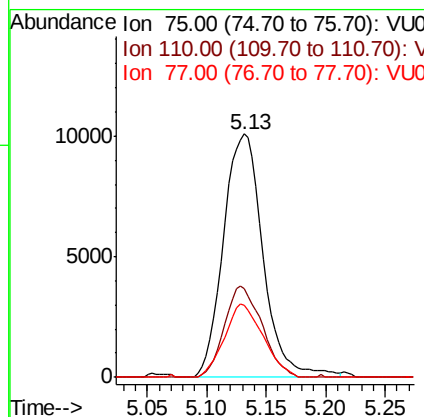
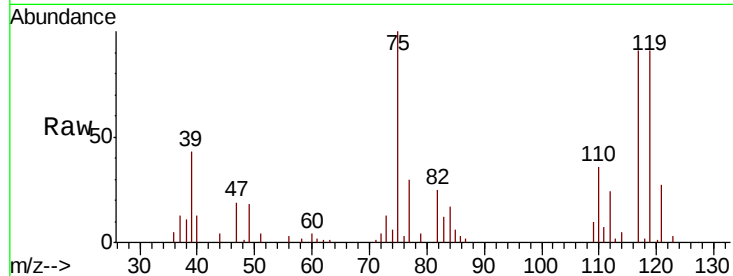
#29
 1,1-Dichloropropene
 Concen: 1.021 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	75	Resp:	23288
Ion Ratio	Lower	Upper	
75	100		
110	35.4	19.1	57.3
77	29.4	25.2	37.8

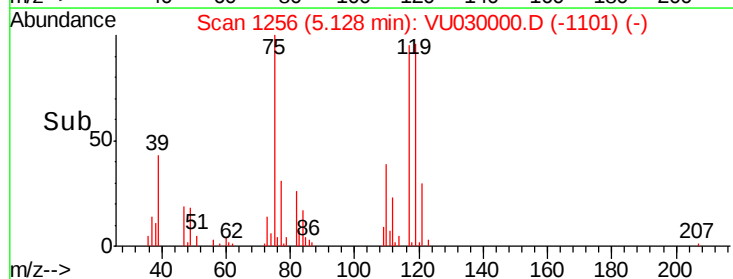
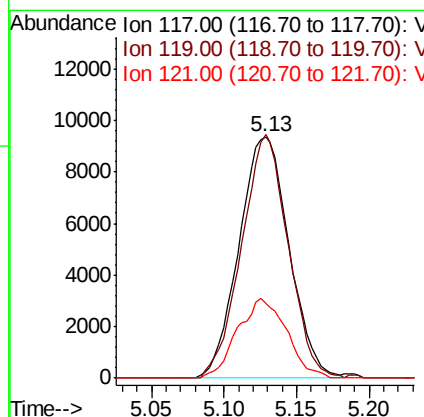
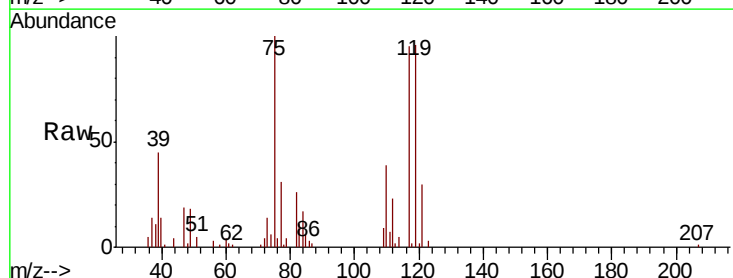
Manual Integrations
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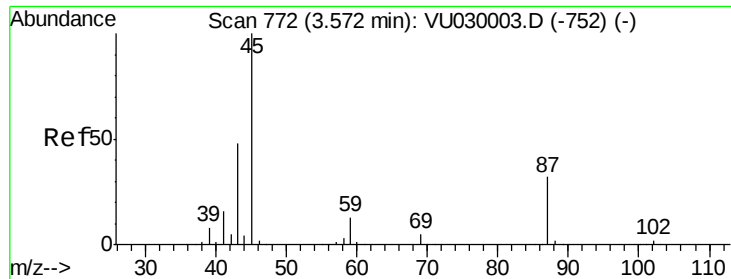
MMDadoda
 3/13/2019 12:55:24 PM



#30
 Carbon Tetrachloride
 Concen: 1.004 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion:	117	Resp:	22467
Ion Ratio	Lower	Upper	
117	100		
119	100.9	76.3	114.5
121	31.2	25.1	37.7





#31

Isopropyl Ether

Concen: 1.002 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 45 Resp: 40793

Ion Ratio Lower Upper

45 100

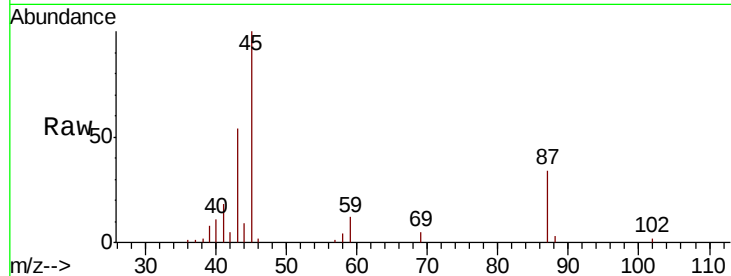
43 50.4 24.5 73.5

Manual Integrations

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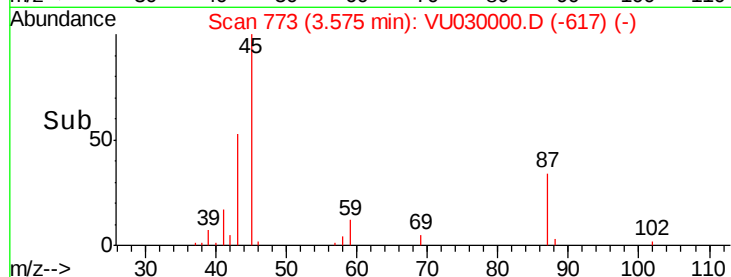
3/13/2019 12:55:24 PM



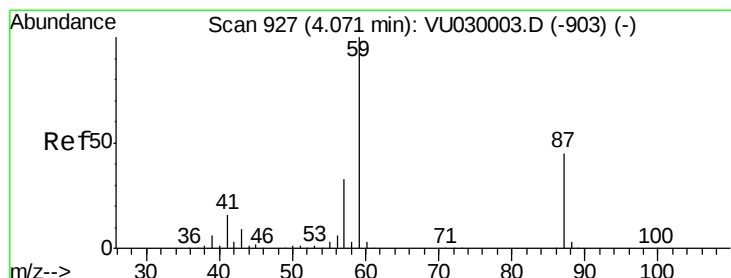
Abundance Ion 45.00 (44.70 to 45.70): VU030003.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU030003.D (-752) (-)

Time-->



Time-->



#32

Ethyl-t-butyl ether

Concen: 0.997 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU030000.D

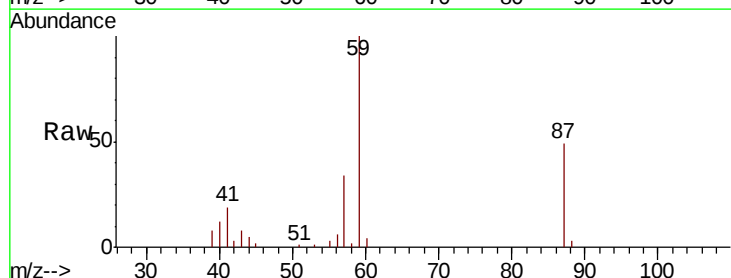
Acq: 12 Mar 2019 10:27

Tgt Ion: 59 Resp: 39121

Ion Ratio Lower Upper

59 100

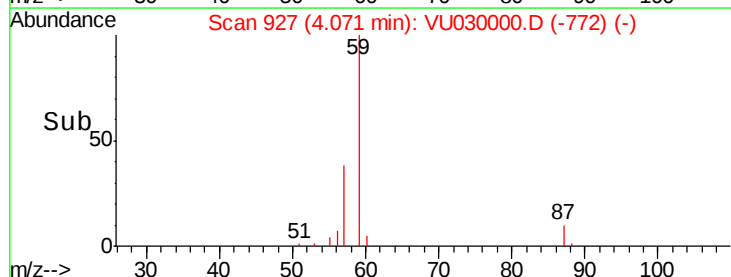
87 43.2 36.2 54.4



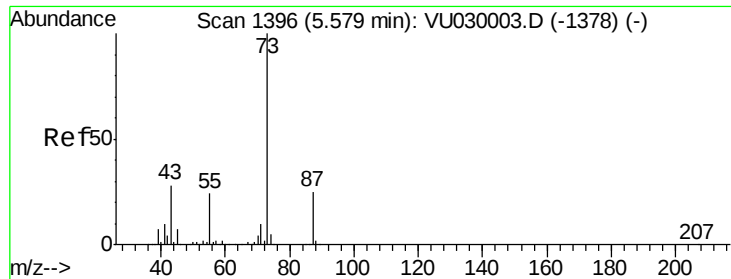
Abundance Ion 59.00 (58.70 to 59.70): VU030003.D (-903) (-)

Ion 87.00 (86.70 to 87.70): VU030003.D (-903) (-)

Time-->



Time-->



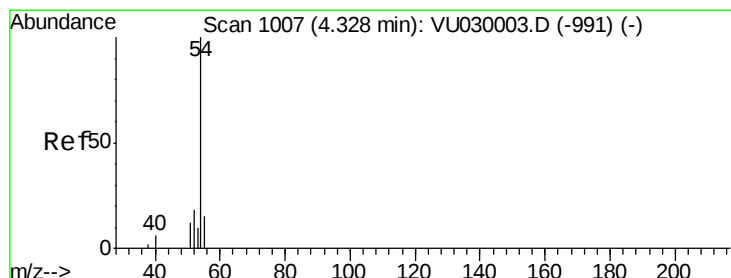
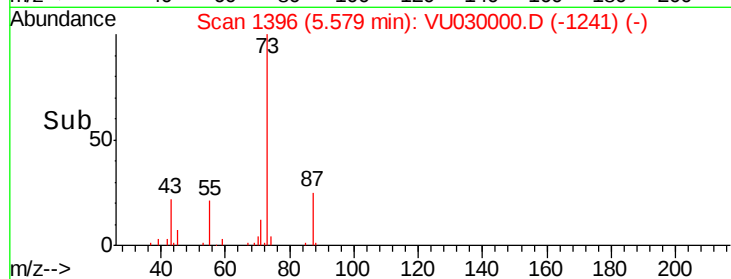
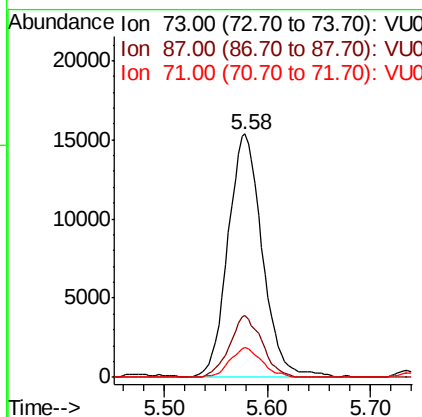
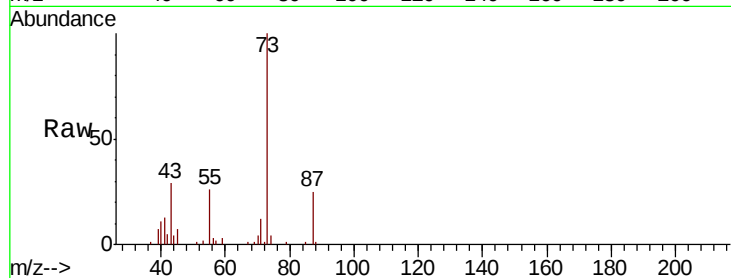
#33
Tert-Amyl methyl ether
Concen: 0.993 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.8	19.7	29.5
71	11.4	8.6	13.0

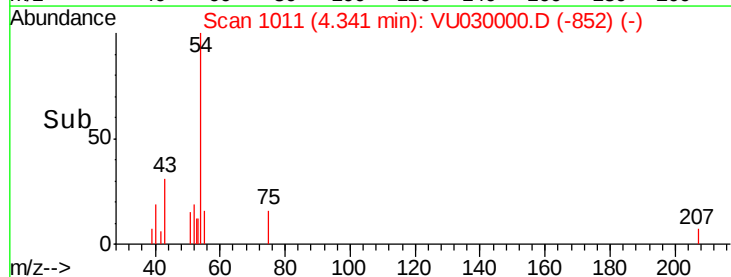
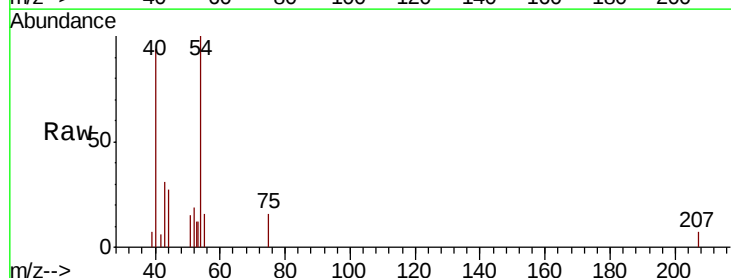
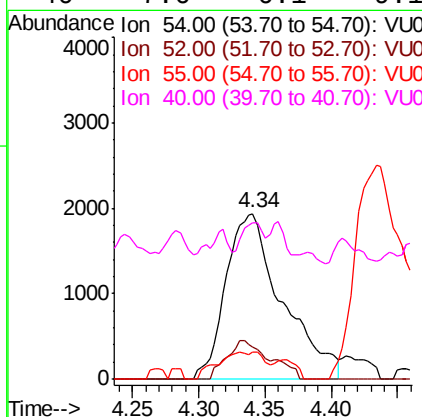
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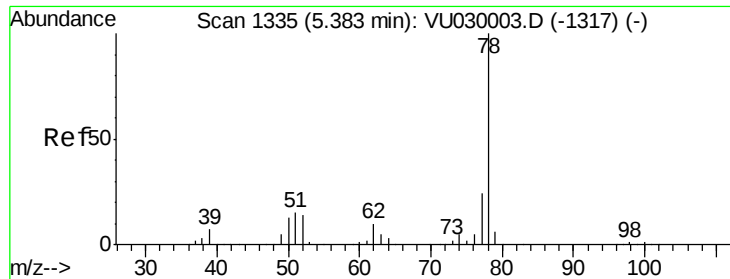
MMDadoda
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#34
Propionitrile
Concen: 5.215 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.8	15.8	23.6
55	9.1	12.5	18.7#
40	7.6	6.1	9.1





#35

Benzene

Concen: 1.011 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 67474

Ion Ratio Lower Upper

78 100

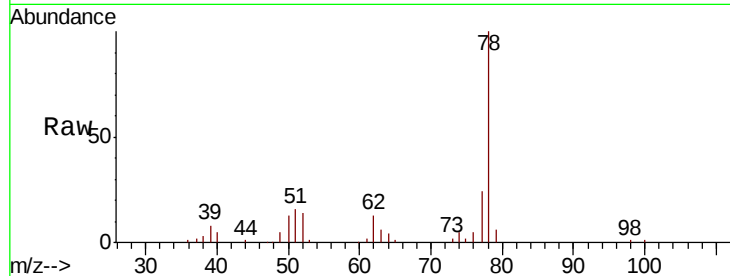
77 23.8 18.9 28.3

Manual Integrations

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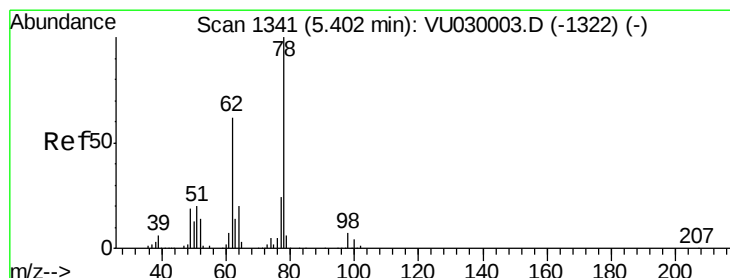
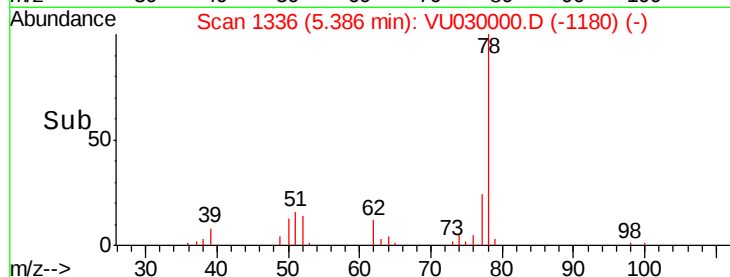
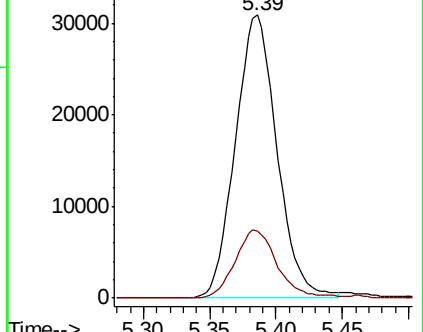
MMDadoda

3/13/2019 12:55:24 PM



Abundance Ion 78.10 (77.80 to 78.80): VU030003.D (-1317) (-)

Ion 77.00 (76.70 to 77.70): VU030003.D (-1317) (-)



#36

1,2-Dichloroethane

Concen: 1.053 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030000.D

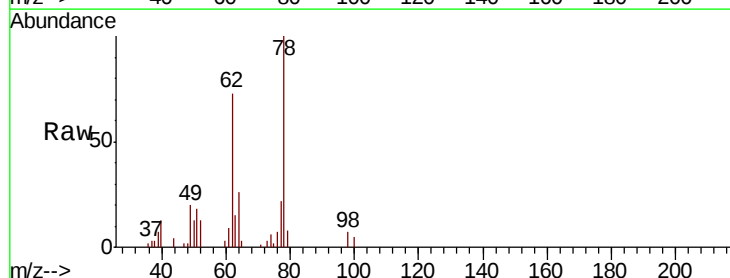
Acq: 12 Mar 2019 10:27

Tgt Ion: 62 Resp: 18787

Ion Ratio Lower Upper

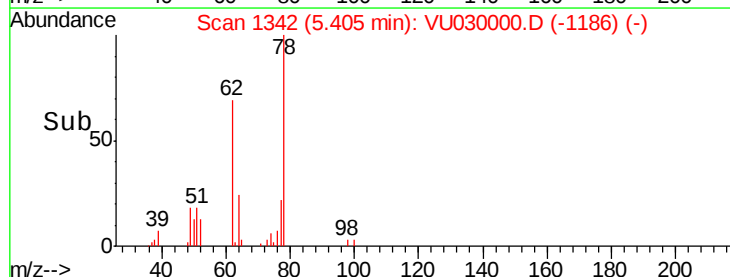
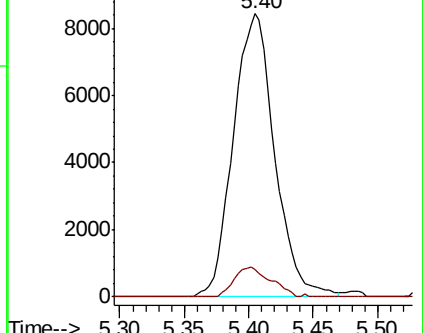
62 100

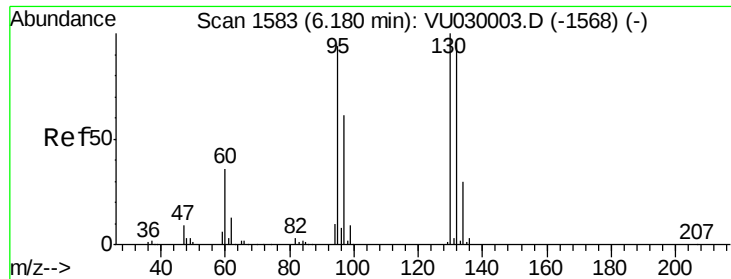
98 9.3 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU030003.D (-1322) (-)

Ion 98.00 (97.70 to 98.70): VU030003.D (-1322) (-)





#37

Trichloroethene

Concen: 0.999 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 19193

Ion Ratio Lower Upper

130 100

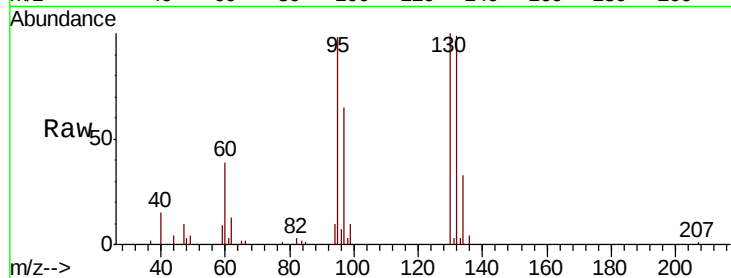
95 96.5 75.2 112.8

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Abundance Ion 129.90 (129.60 to 130.60): VU030003.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030003.D (-1568) (-)

6.18

10000

8000

6000

4000

2000

0

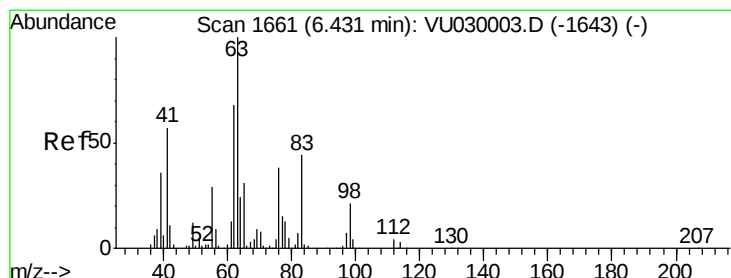
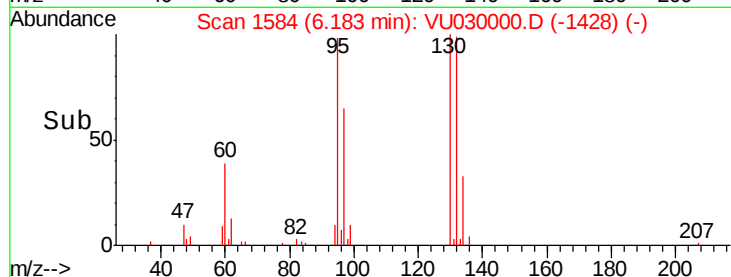
Time-->

6.10

6.15

6.20

6.25



#38

1,2-Dichloropropane

Concen: 1.049 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU030000.D

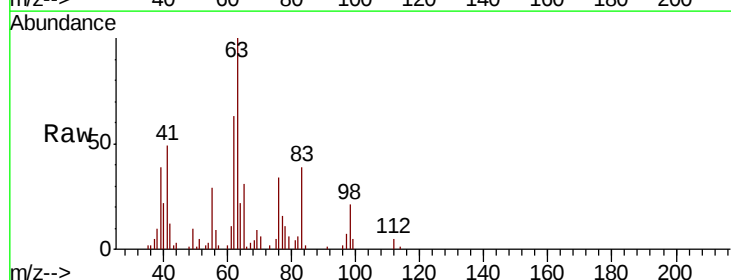
Acq: 12 Mar 2019 10:27

Tgt Ion: 63 Resp: 17791

Ion Ratio Lower Upper

63 100

65 31.5 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU030003.D (-1643) (-)

Ion 65.00 (64.70 to 65.70): VU030003.D (-1643) (-)

6.43

10000

8000

6000

4000

2000

0

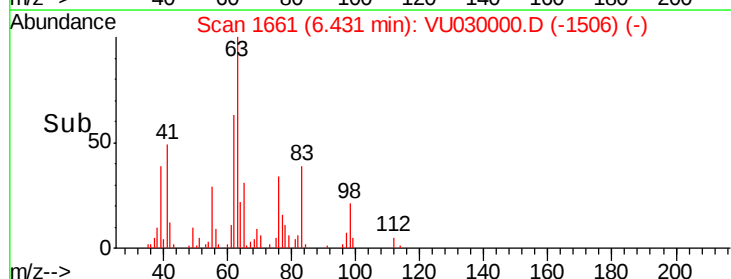
Time-->

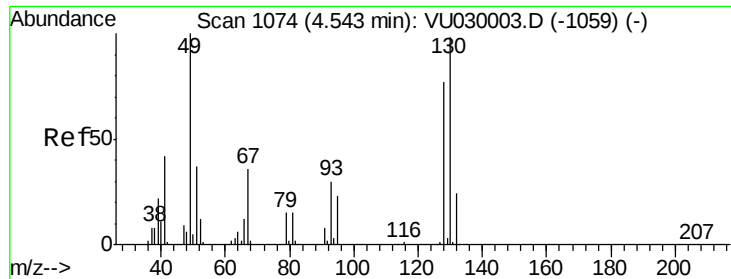
6.35

6.40

6.45

6.50





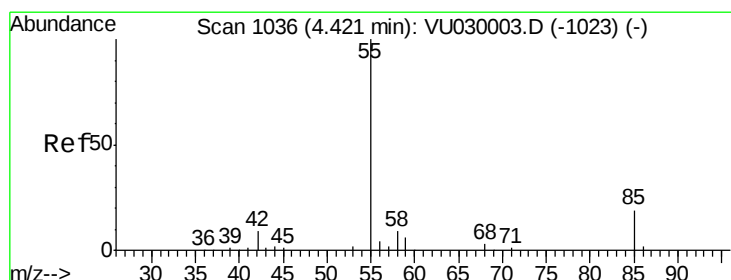
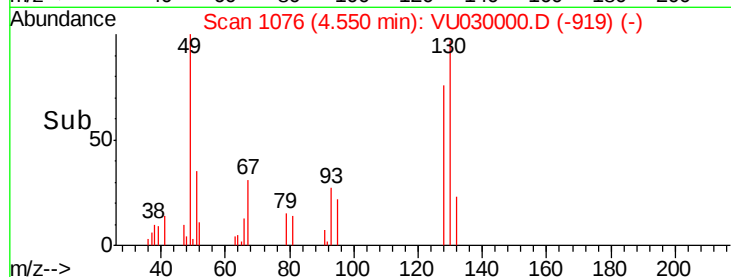
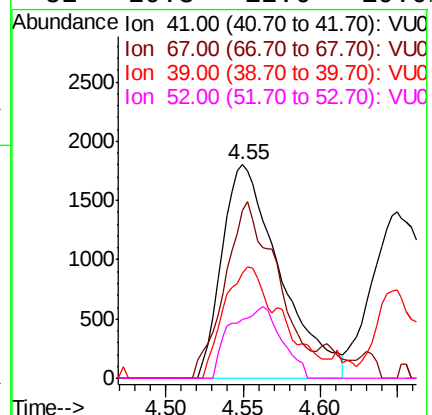
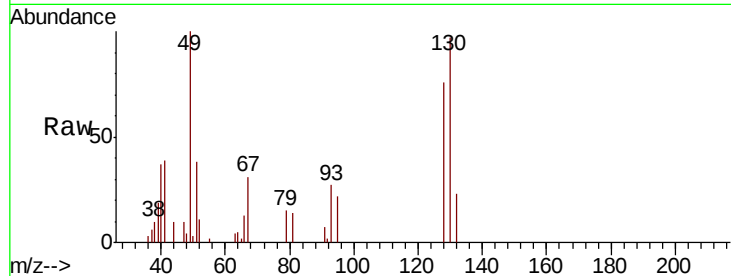
#39
Methacrylonitrile
Concen: 0.999 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tgt Ion:	41	Resp:	4700
Ion	Ratio	Lower	Upper
41	100		
67	74.4	71.4	107.0
39	51.8	41.9	62.9
52	29.3	12.6	19.0

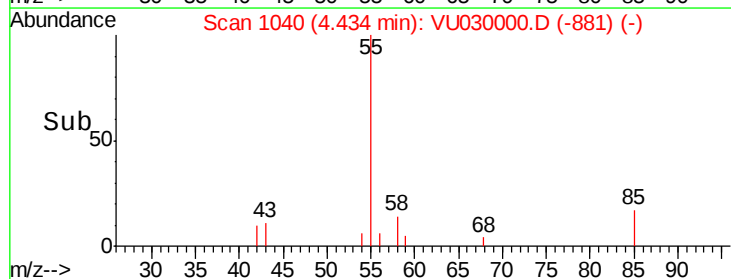
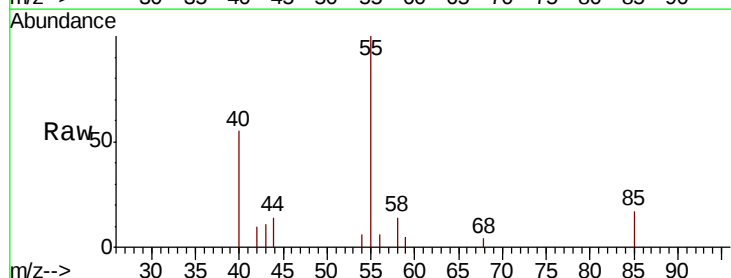
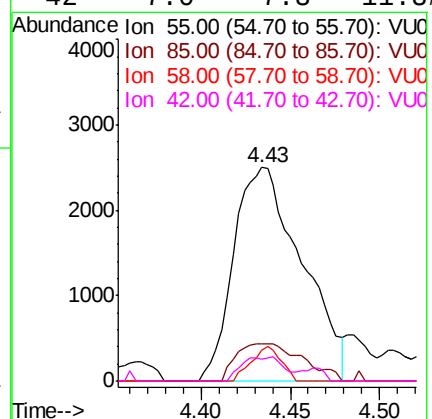
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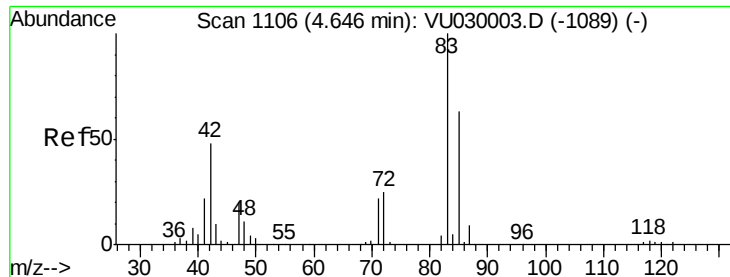
MMDadoda
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#40
Methyl acrylate
Concen: 0.897 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:	55	Resp:	6665
Ion	Ratio	Lower	Upper
55	100		
85	17.0	16.2	24.2
58	7.1	7.0	10.6
42	7.0	7.8	11.8





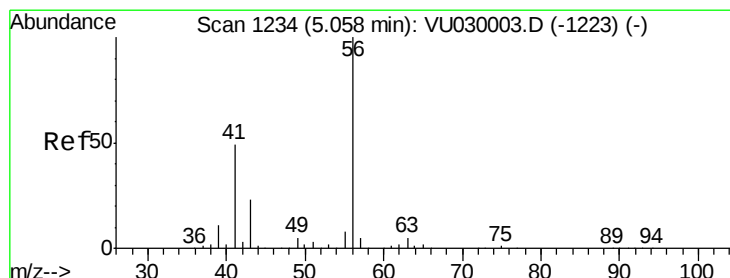
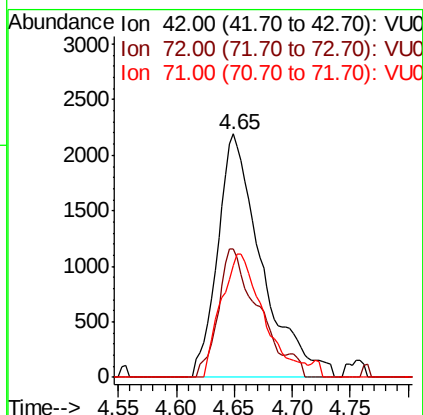
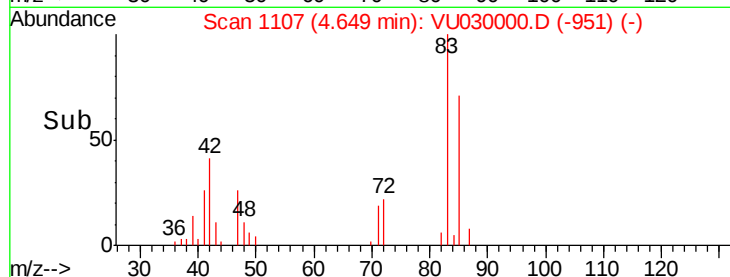
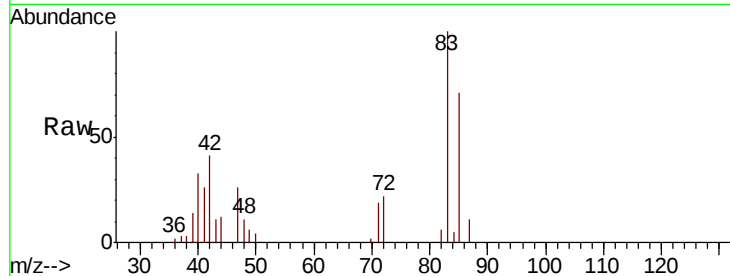
#41
Tetrahydrofuran
Concen: 2.220 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.2	44.9	67.3
71	49.2	37.8	56.8

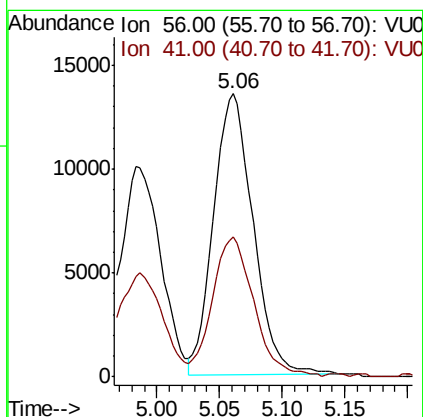
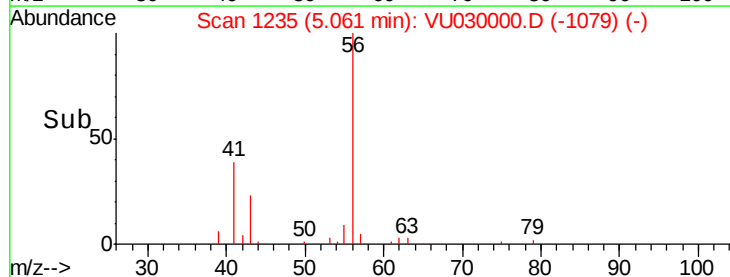
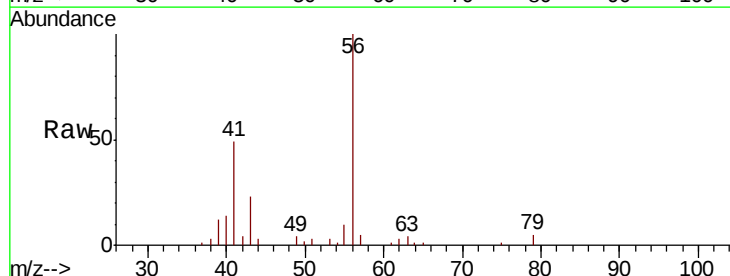
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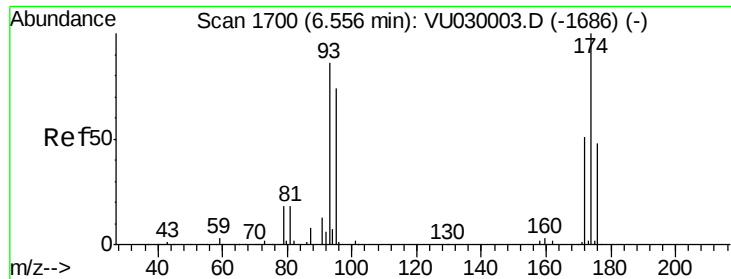
MMDadoda
3/13/2019 12:55:24 PM



#42
1-Chlorobutane
Concen: 1.001 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
56	100		
41	51.9	24.7	74.1





#43

Dibromomethane

Concen: 1.045 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 9165

Ion Ratio Lower Upper

93 100

95 85.9 68.6 102.8

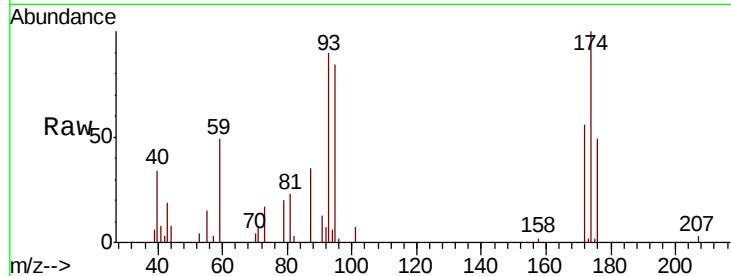
174 109.8 91.8 137.8

Manual Integrations

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3/13/2019 12:55:24 PM

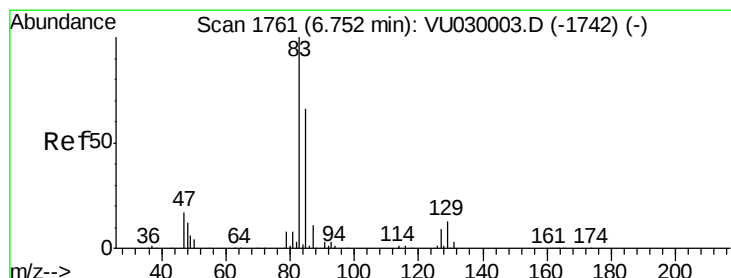
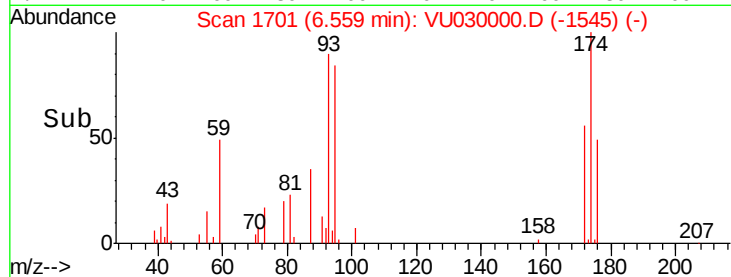
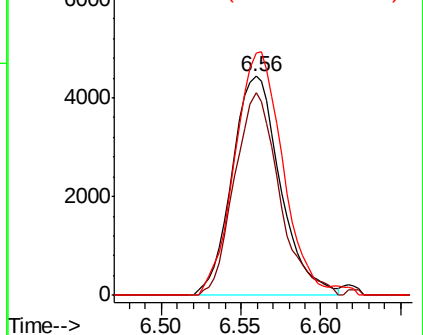


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.017 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

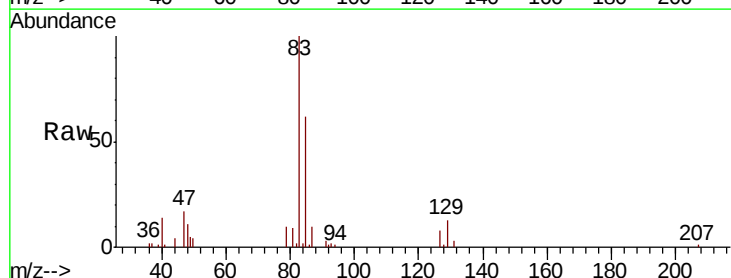
Tgt Ion: 83 Resp: 21282

Ion Ratio Lower Upper

83 100

85 62.4 53.2 79.8

127 8.1 7.4 11.0

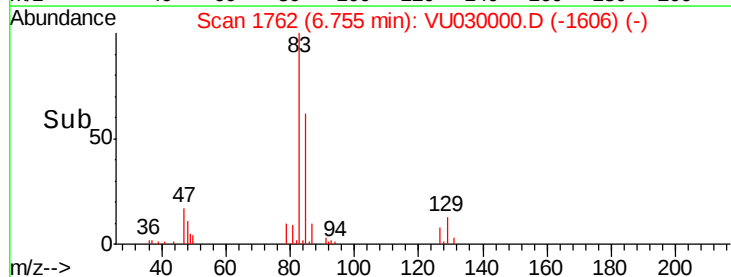
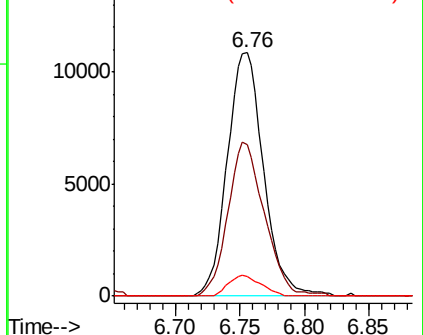


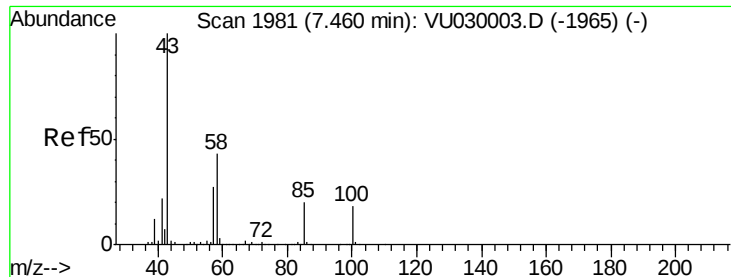
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





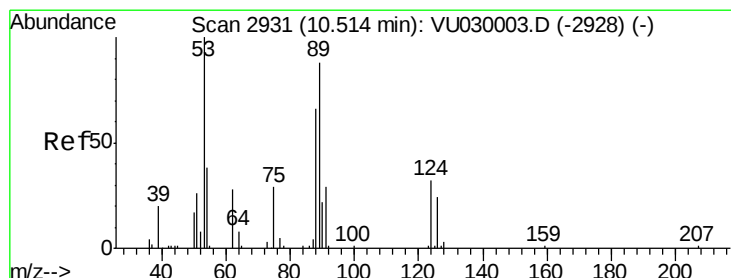
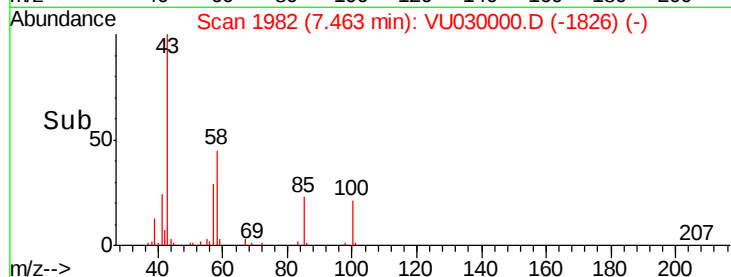
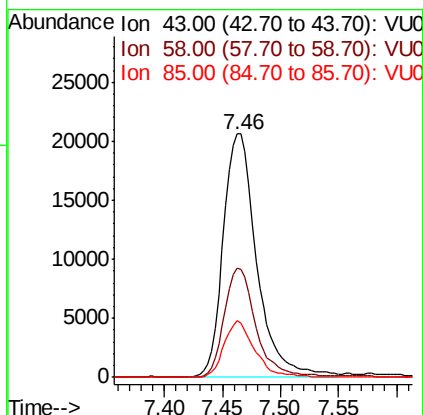
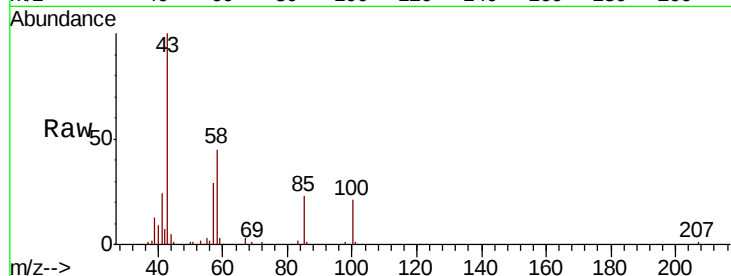
#45
4-Methyl-2-Pentanone
Concen: 4.788 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	21.6	64.6
85	20.9	16.3	24.5

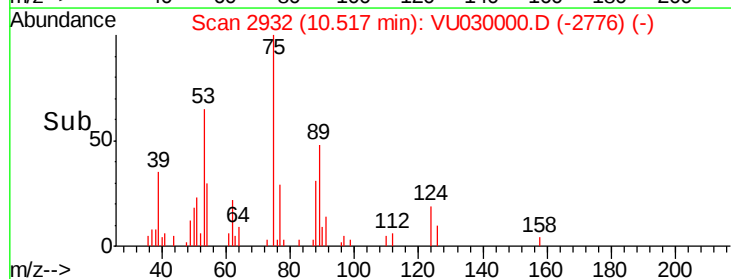
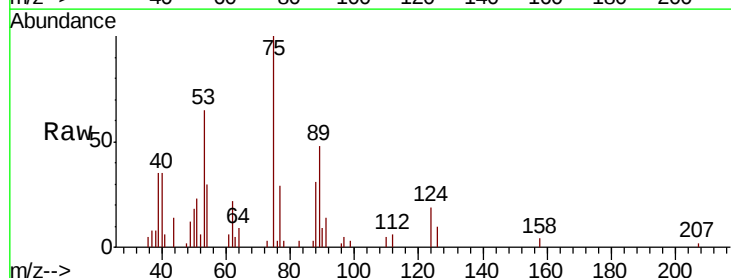
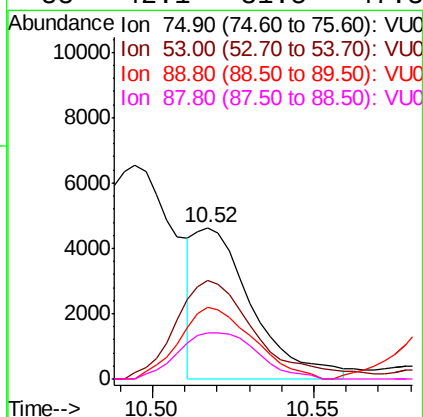
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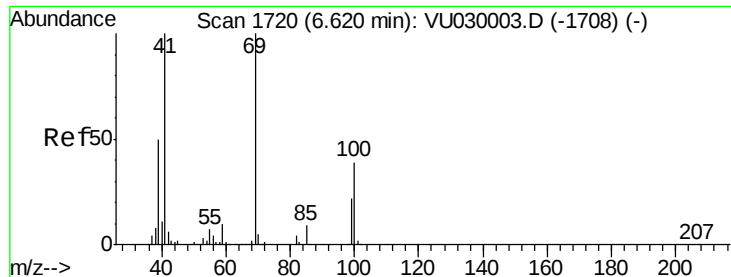
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#46
t-1,4-Dichloro-2-butene
Concen: 1.703 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.7	57.0	85.6#
89	60.8	43.6	65.4
88	42.1	31.5	47.3





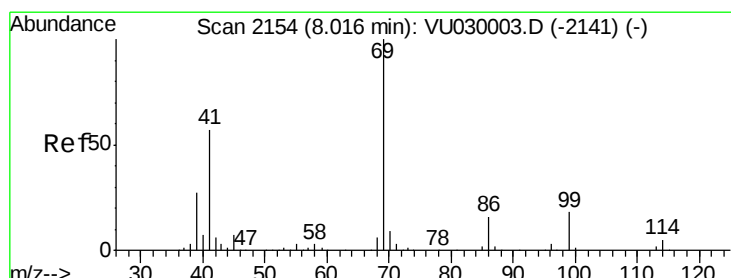
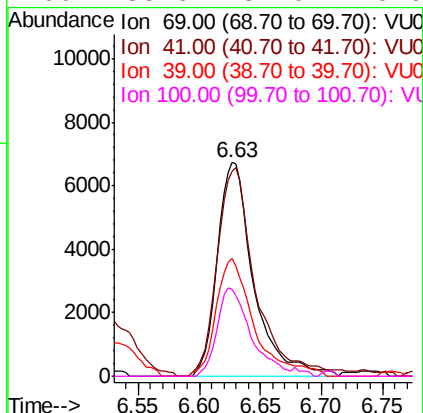
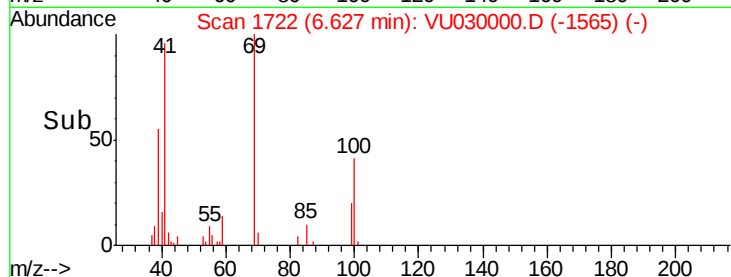
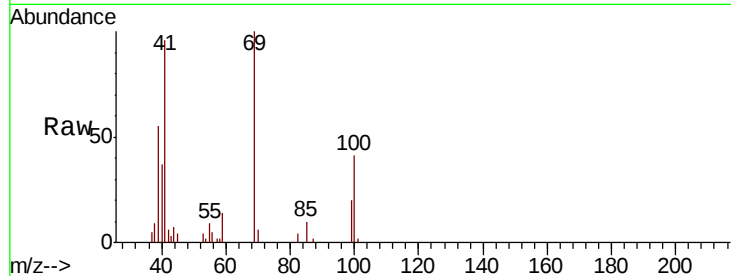
#47
Methyl methacrylate
Concen: 1.906 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	102.8	0.0	197.8	
39	57.8	40.2	60.4	
100	38.6	31.0	46.6	

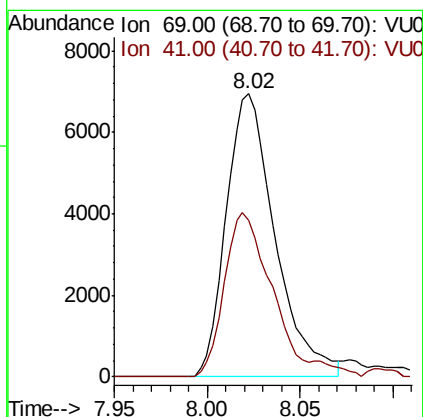
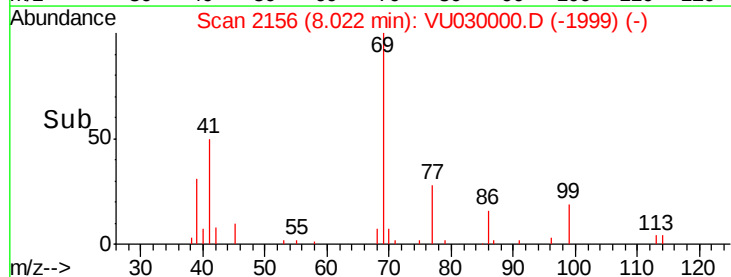
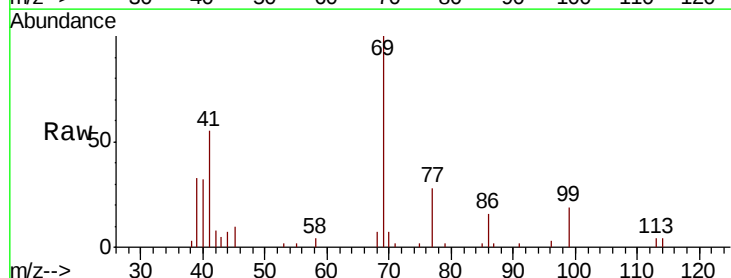
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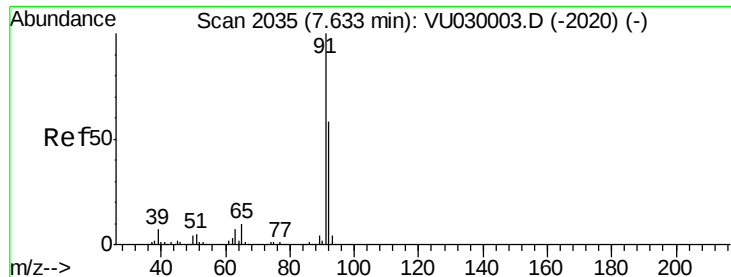
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#48
Ethyl methacrylate
Concen: 0.917 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	58.1	28.1	84.4	





#49

Toluene

Concen: 0.956 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 38440

Ion Ratio Lower Upper

92 100

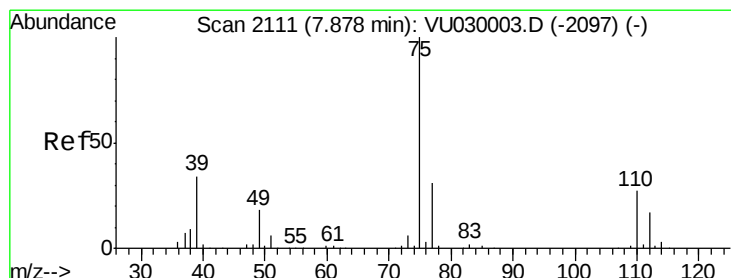
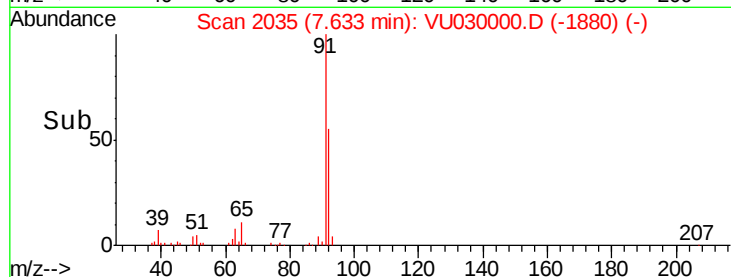
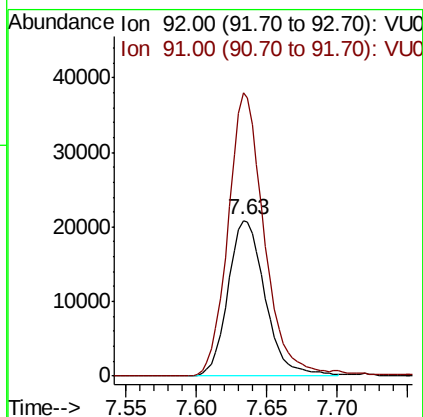
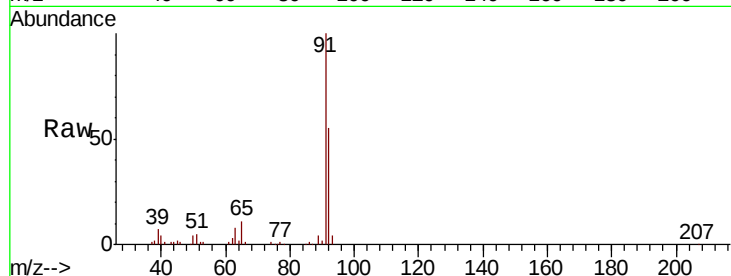
91 176.1 140.1 210.1

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#50

t-1,3-Dichloropropene

Concen: 0.955 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU030000.D

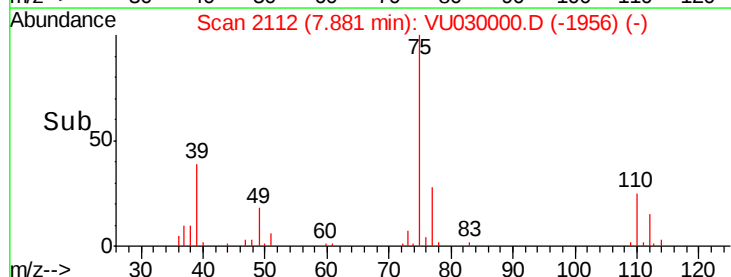
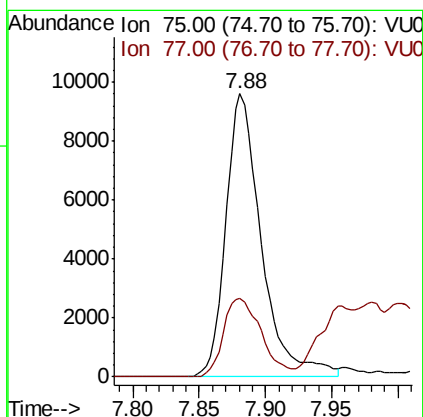
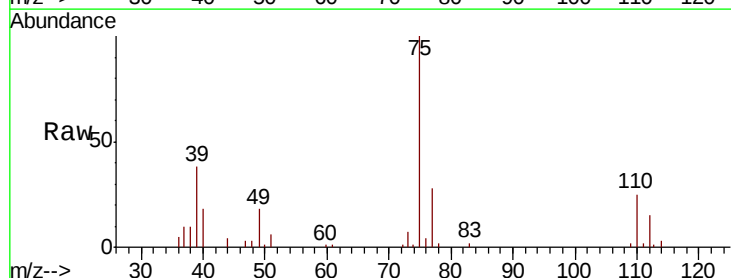
Acq: 12 Mar 2019 10:27

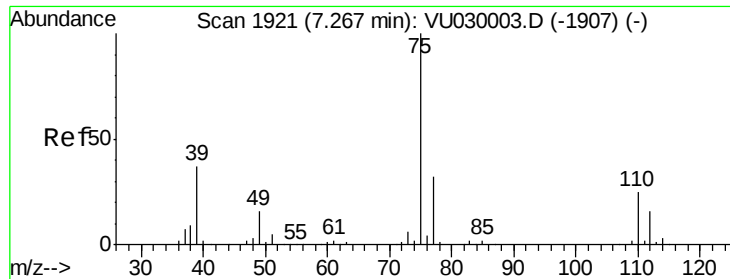
Tgt Ion: 75 Resp: 17897

Ion Ratio Lower Upper

75 100

77 27.8 25.1 37.7





#51

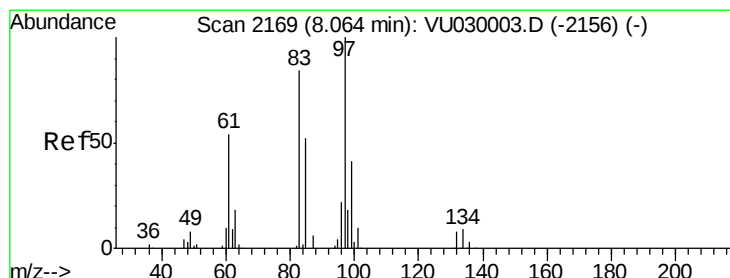
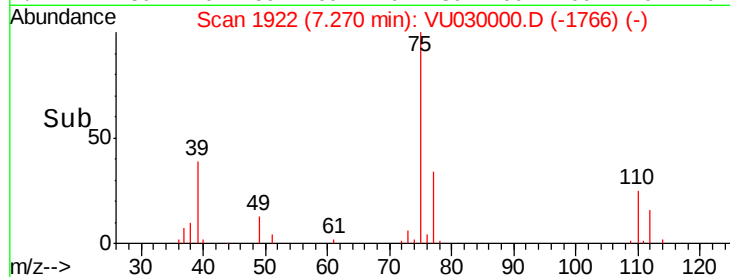
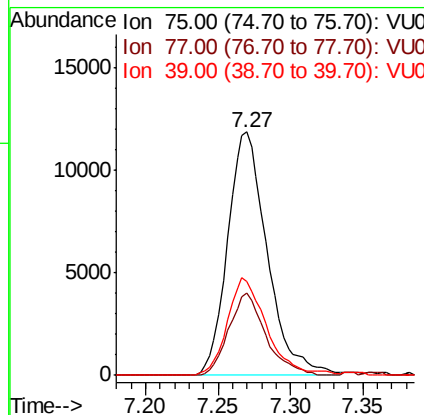
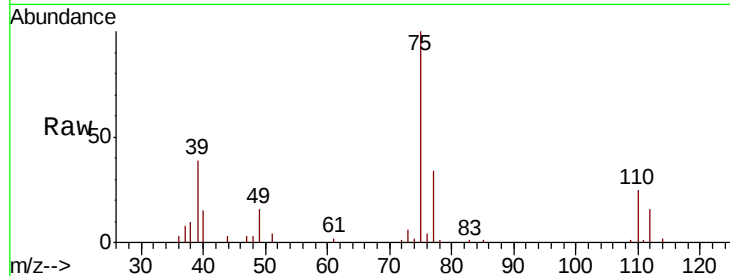
cis-1,3-Dichloropropene
 Concen: 0.955 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	26.0	39.0
39	38.7	29.5	44.3

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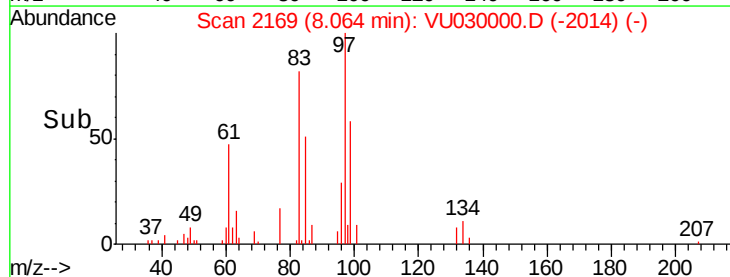
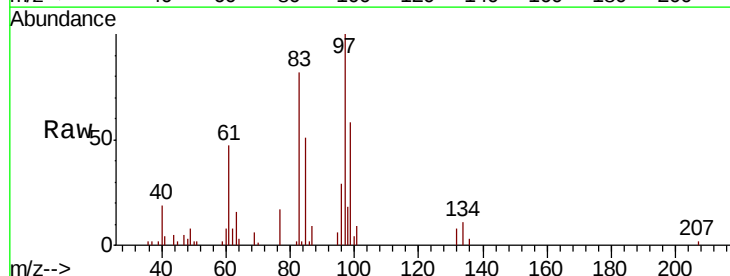
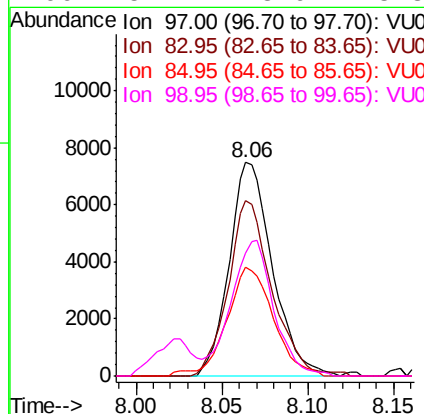
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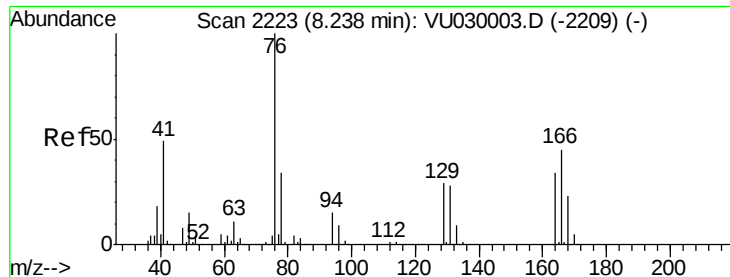


#52

1,1,2-Trichloroethane
 Concen: 1.059 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.4	101.0
85	50.8	42.6	64.0
99	57.7	48.9	73.3





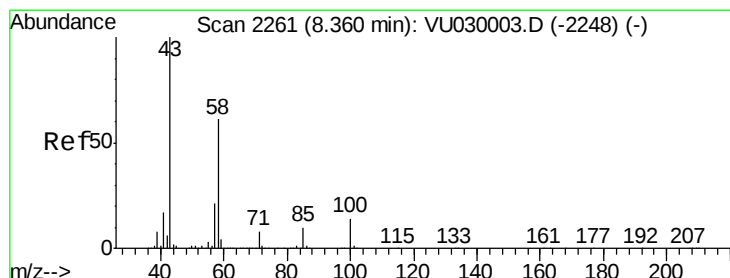
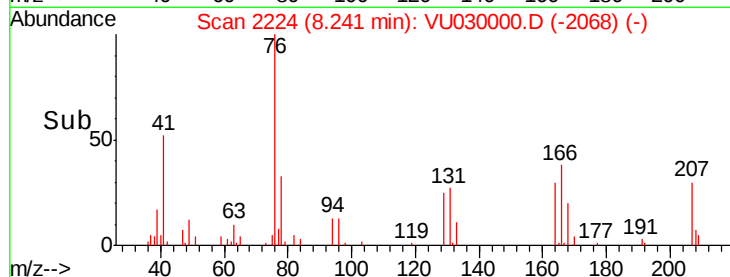
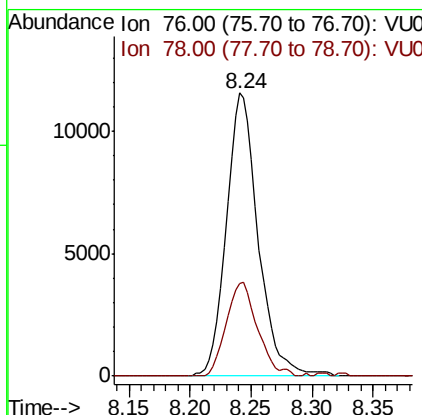
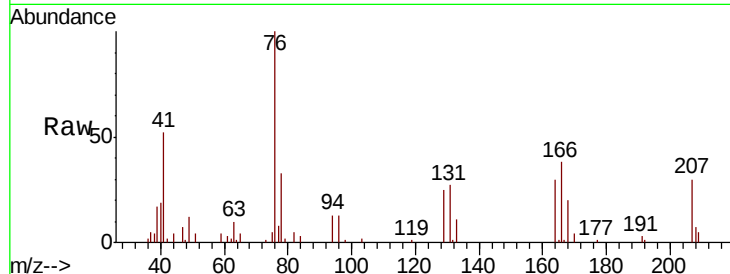
#53
 1,3-Dichloropropane
 Concen: 1.016 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion: 76 Resp: 21066
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.4 39.6

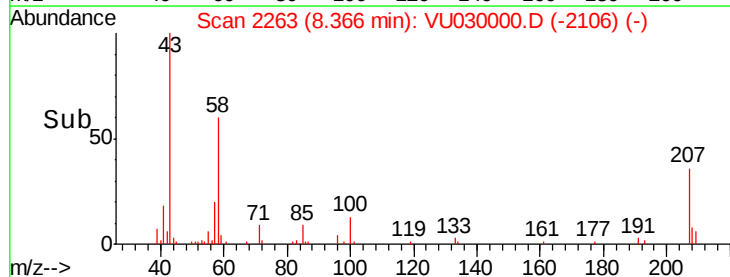
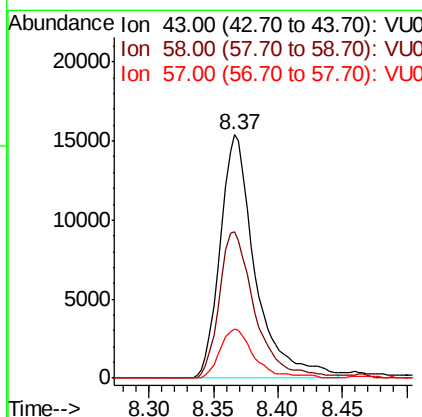
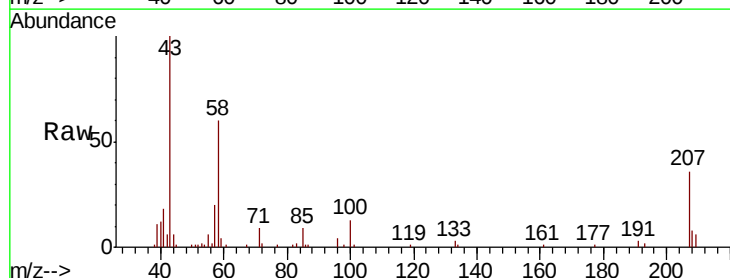
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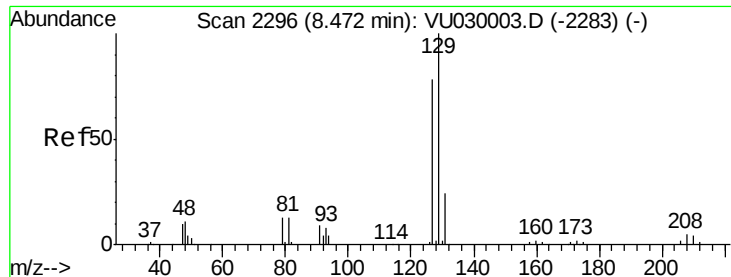
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#54
 2-Hexanone
 Concen: 4.669 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 43 Resp: 29160
 Ion Ratio Lower Upper
 43 100
 58 60.7 40.3 80.3
 57 19.7 0.6 40.6





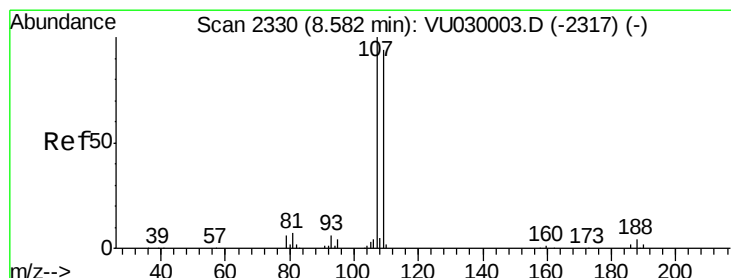
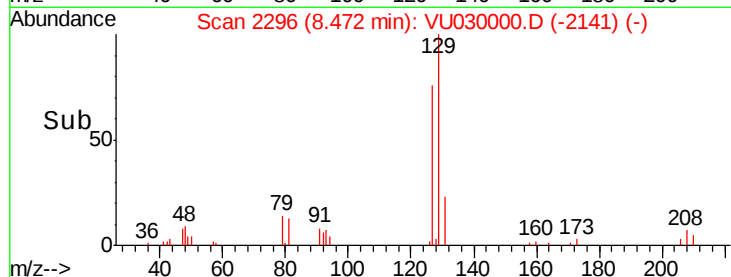
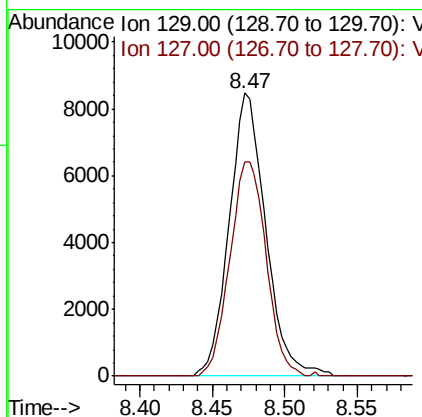
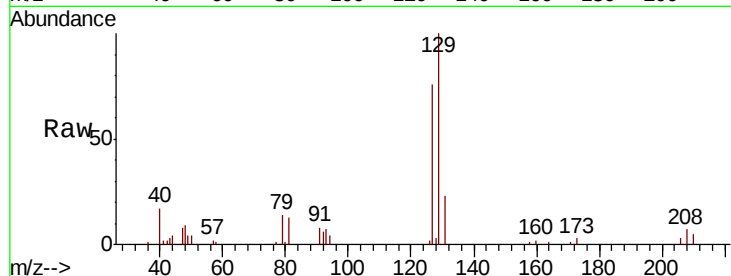
#55
Dibromochloromethane
Concen: 0.996 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:129 Resp: 14859
Ion Ratio Lower Upper
129 100
127 74.8 62.4 93.6

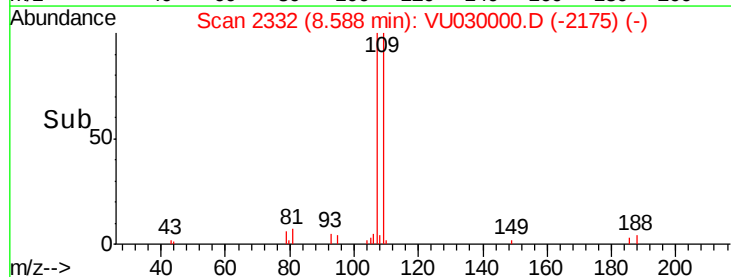
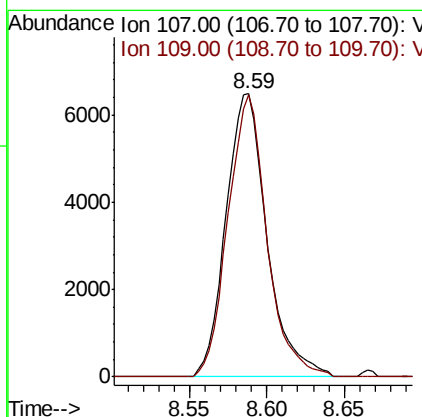
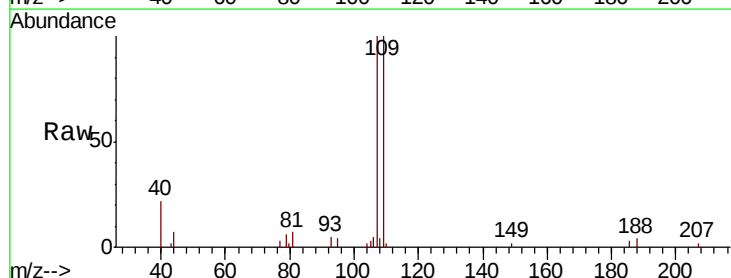
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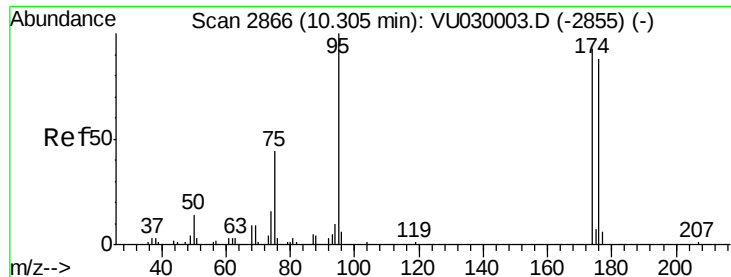
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#56
1,2-Dibromoethane
Concen: 1.000 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:107 Resp: 11940
Ion Ratio Lower Upper
107 100
109 94.3 0.0 186.8





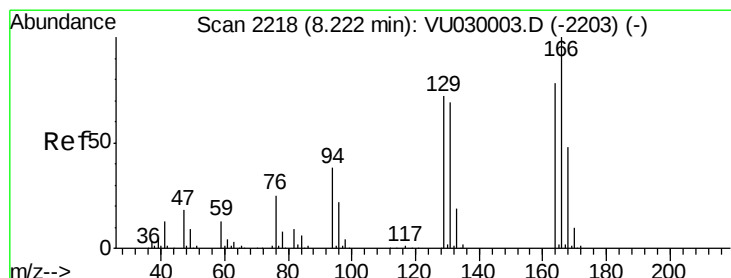
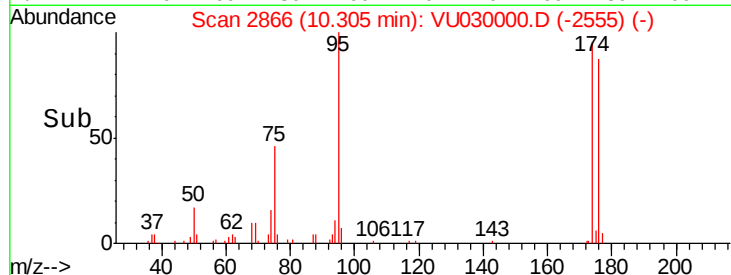
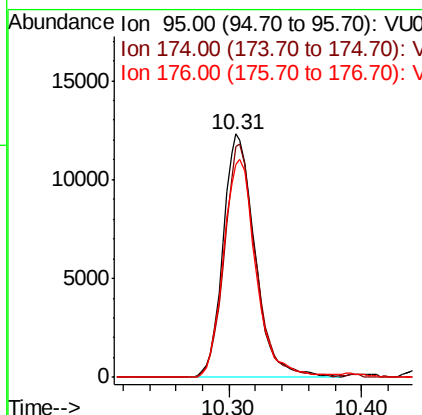
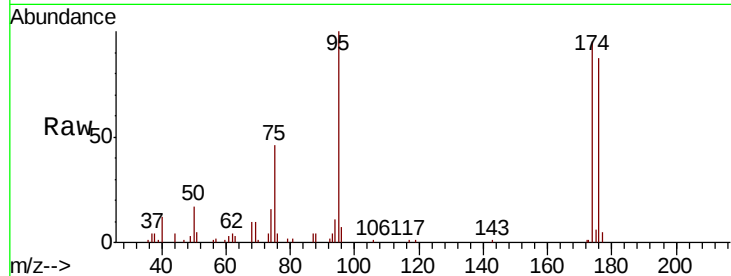
#57
4-Bromofluorobenzene
Concen: 1.000 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 95 Resp: 20526
Ion Ratio Lower Upper
95 100
174 94.3 78.1 117.1
176 91.4 70.8 106.2

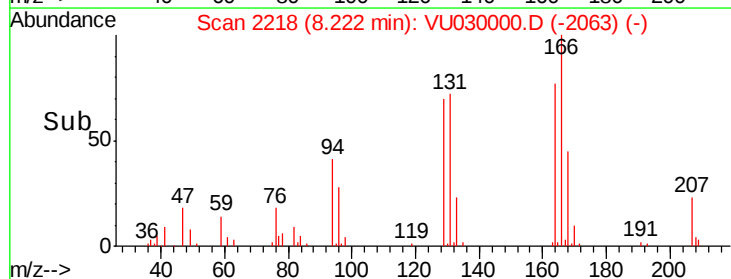
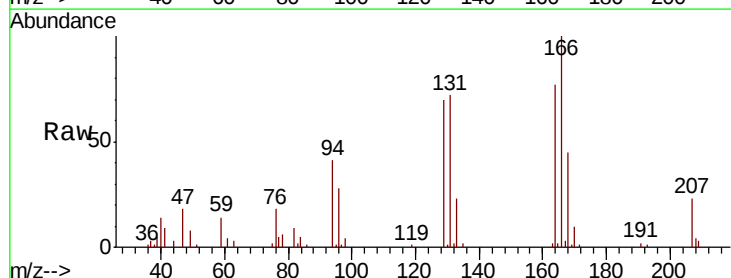
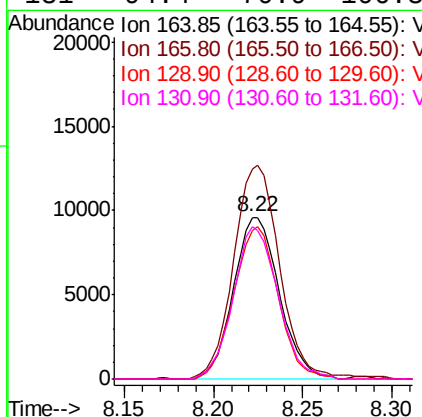
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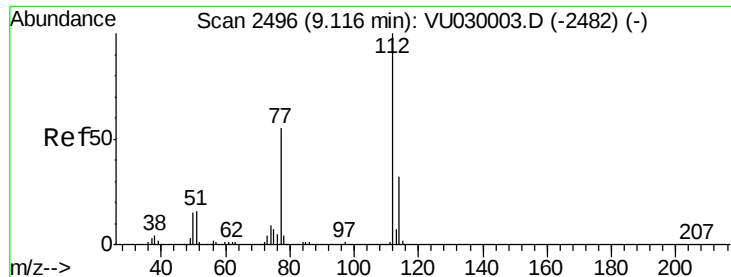
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#58
Tetrachloroethene
Concen: 0.982 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 164 Resp: 17130
Ion Ratio Lower Upper
164 100
166 130.4 103.2 154.8
129 91.7 74.5 111.7
131 94.4 70.9 106.3





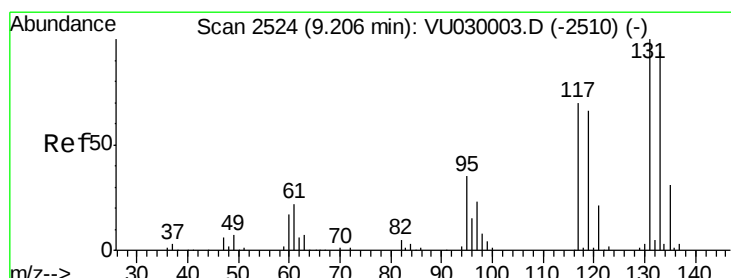
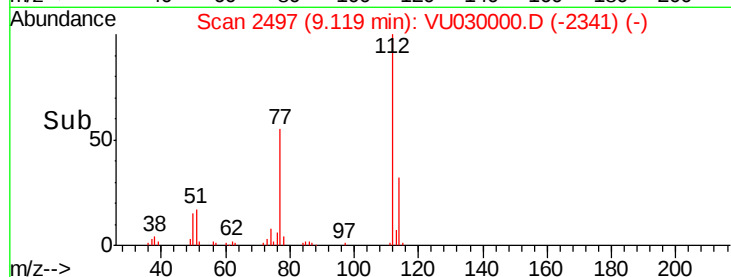
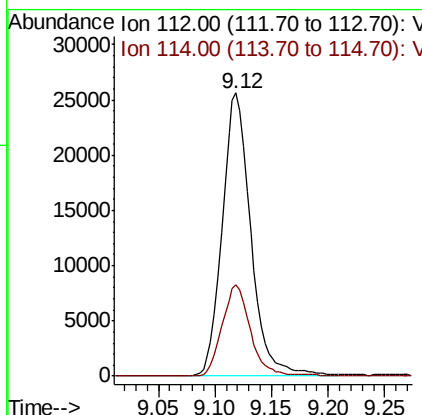
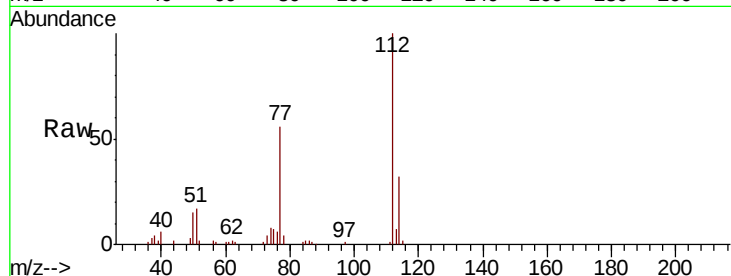
#59
Chlorobenzene
Concen: 0.984 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:112 Resp: 45176
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

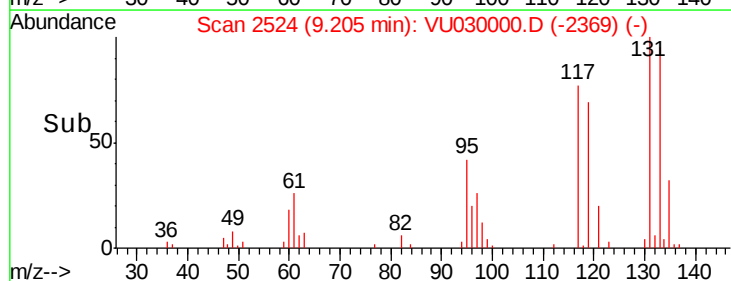
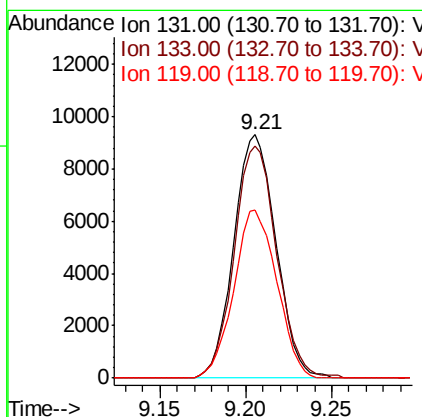
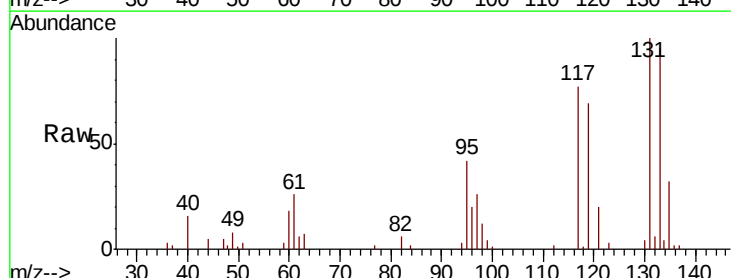
Manual Integrations
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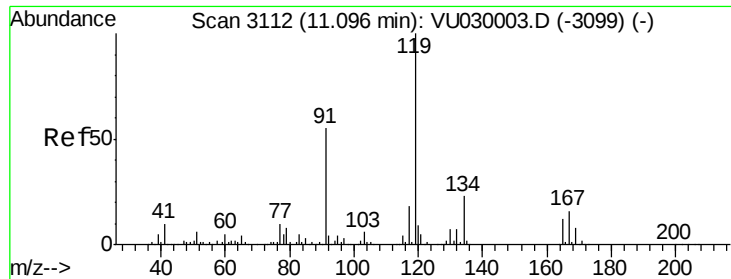
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.980 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:131 Resp: 15900
Ion Ratio Lower Upper
131 100
133 96.2 75.6 113.4
119 70.2 53.3 79.9





#61

Pentachloroethane

Concen: 1.039 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 13013

Ion Ratio Lower Upper

117 100

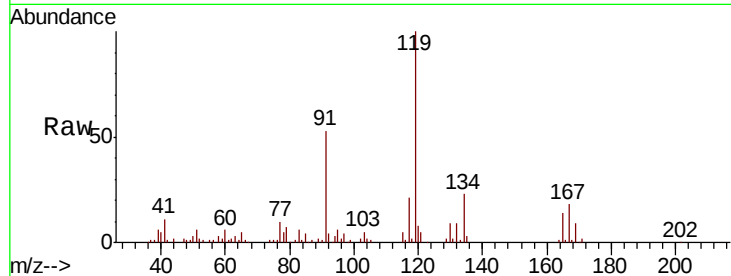
167 81.9 73.1 109.7

Manual Integrations

APPROVED

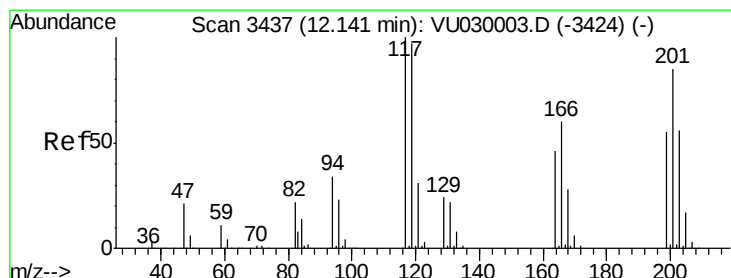
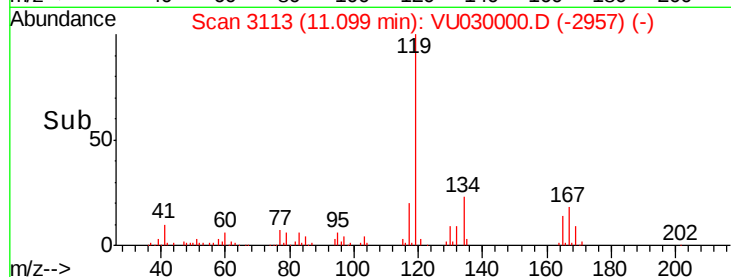
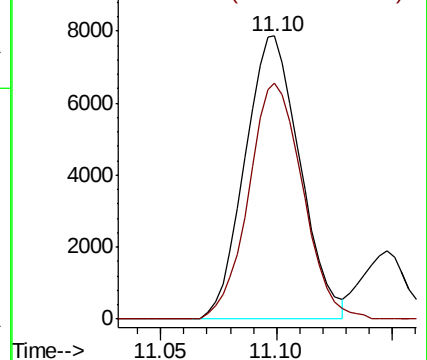
MMDadoda

3/13/2019 12:55:24 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.966 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU030000.D

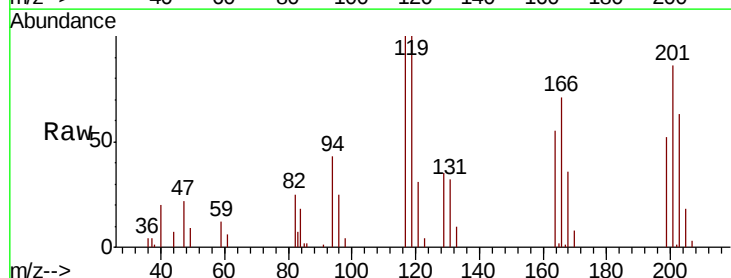
Acq: 12 Mar 2019 10:27

Tgt Ion:117 Resp: 12188

Ion Ratio Lower Upper

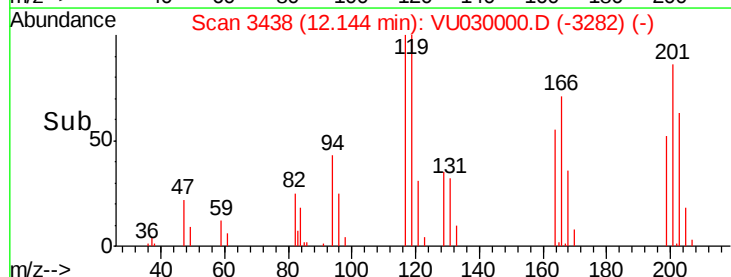
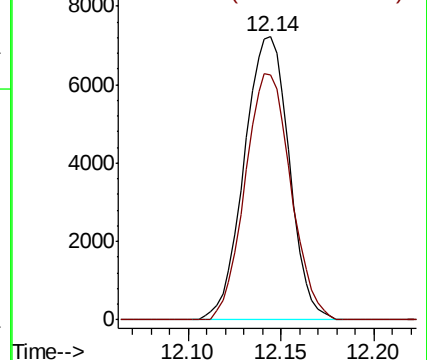
117 100

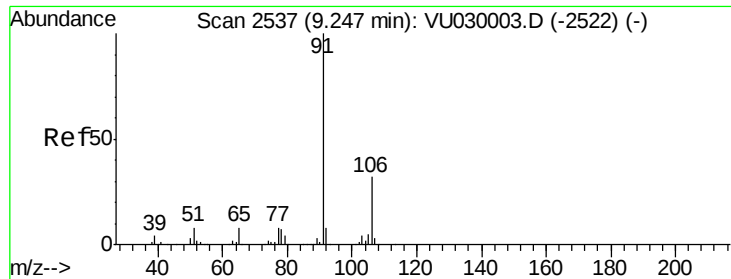
201 88.4 69.5 104.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





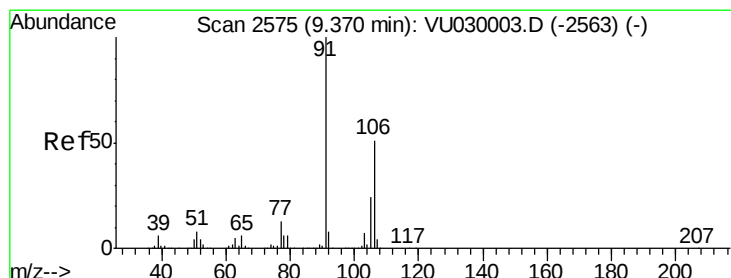
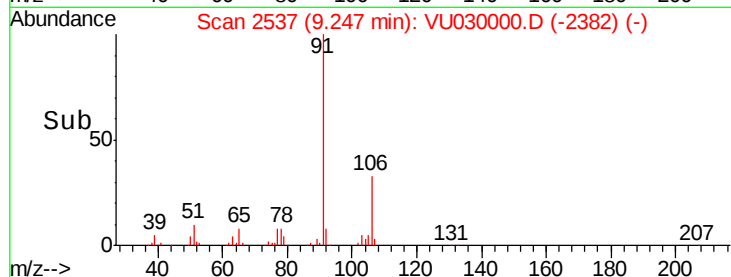
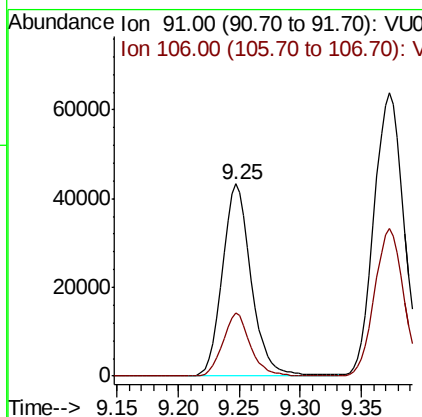
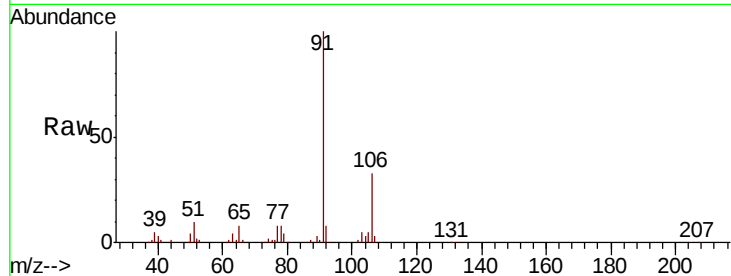
#63
Ethyl Benzene
Concen: 0.956 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 72116
Ion Ratio Lower Upper
91 100
106 32.9 25.7 38.5

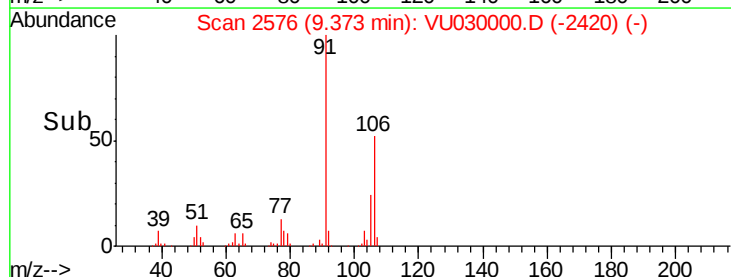
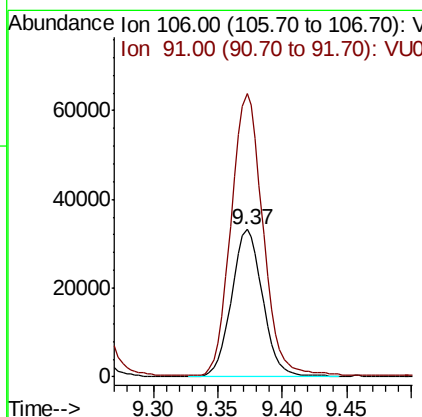
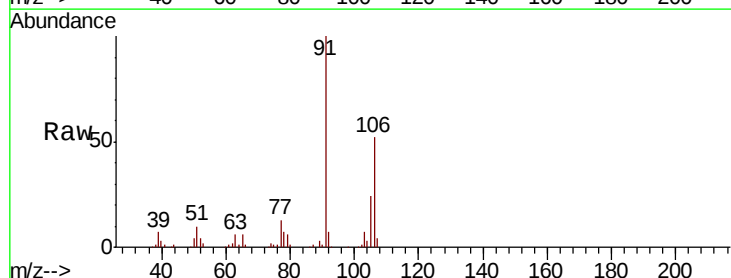
Manual Integrations
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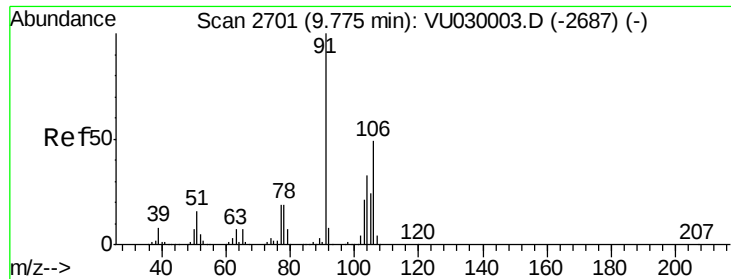
MMDadoda
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#64
m/p-Xylenes
Concen: 1.885 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 106 Resp: 55939
Ion Ratio Lower Upper
106 100
91 196.2 157.9 236.9





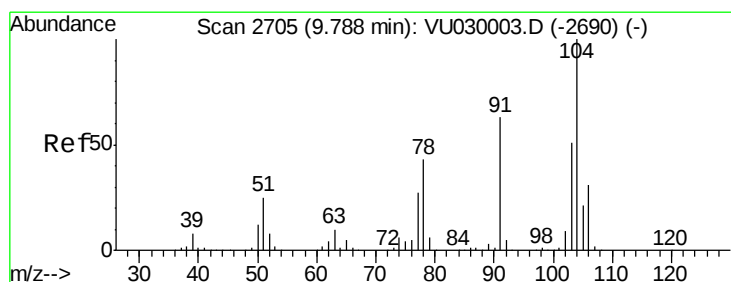
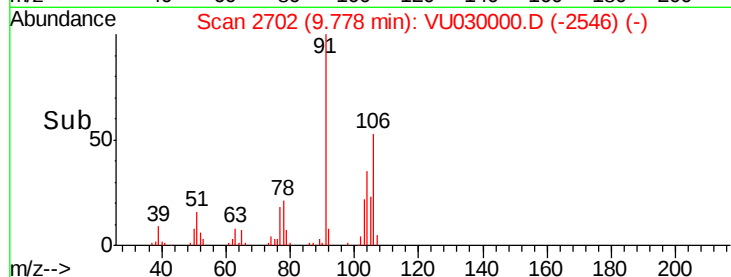
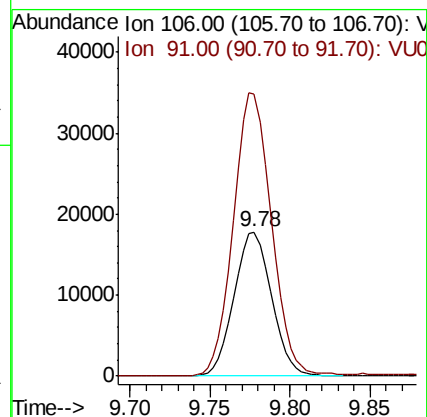
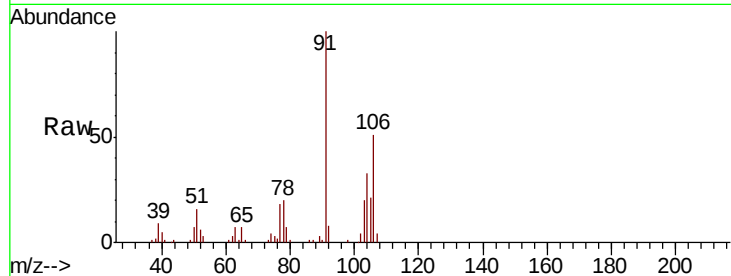
#65
o-Xylene
Concen: 0.977 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 28444
Ion Ratio Lower Upper
106 100
91 199.6 103.2 309.4

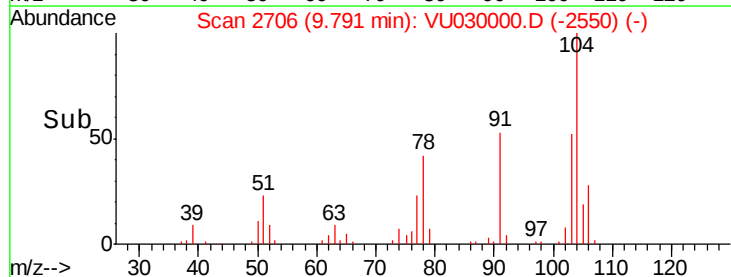
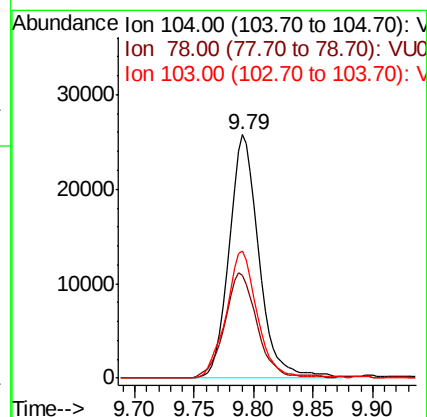
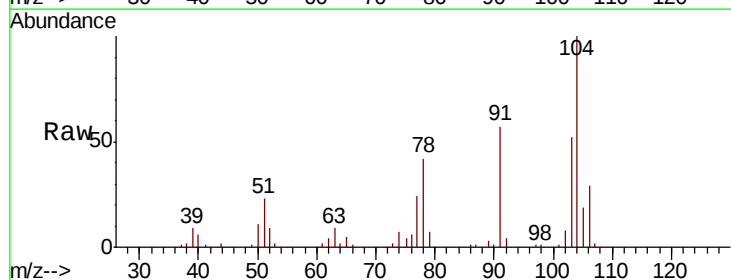
Manual Integrations
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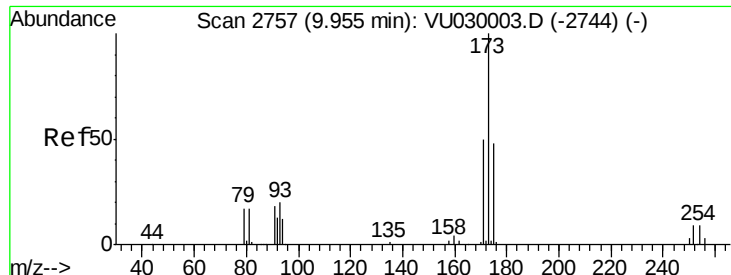
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#66
Styrene
Concen: 0.940 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:104 Resp: 44823
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 54.3 43.8 65.6





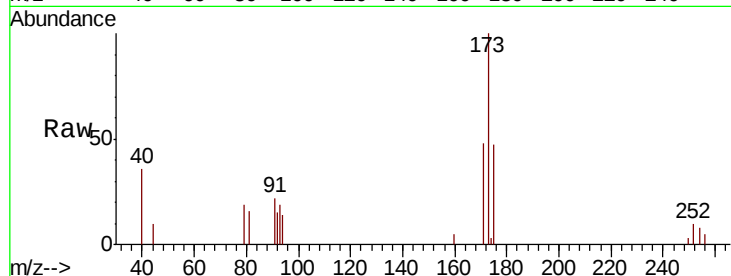
#67
Bromoform
Concen: 0.935 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.0	58.4
254	7.3	7.0	10.4

Manual Integrations
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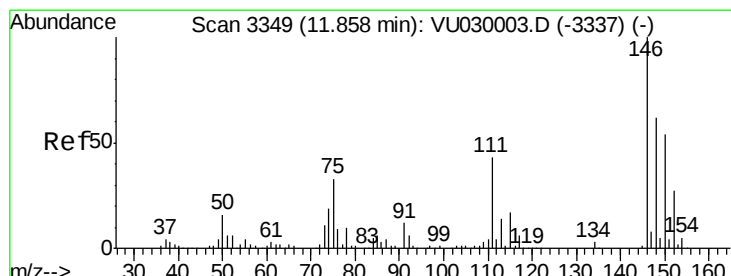
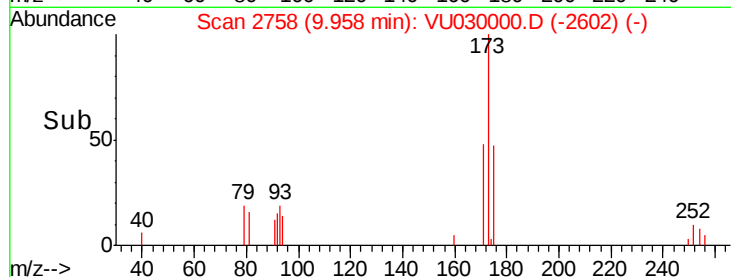
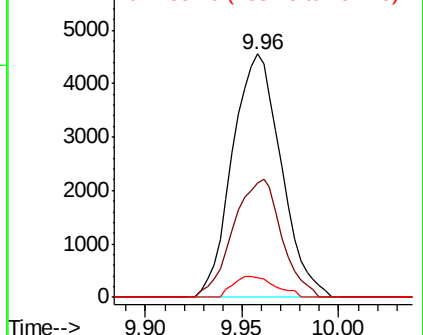


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 0.935 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

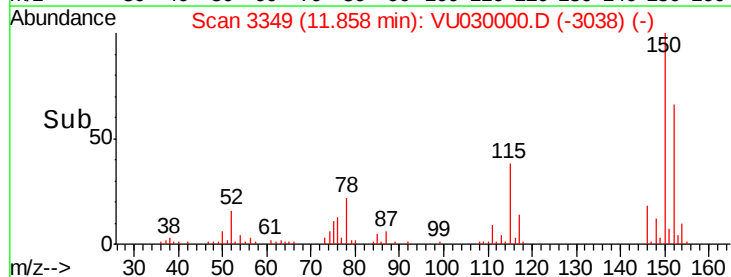
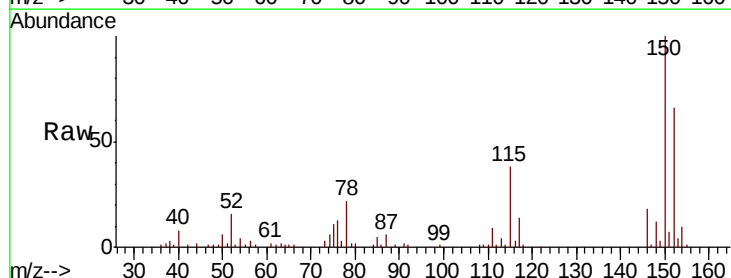
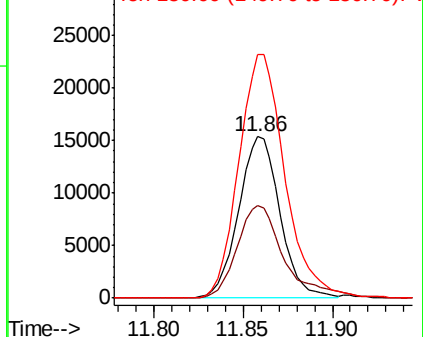
Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	0.0	126.8
150	168.1	0.0	634.2

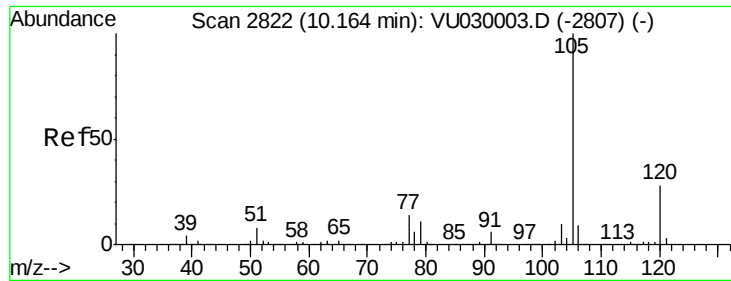
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.944 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 71638

Ion Ratio Lower Upper

105 100

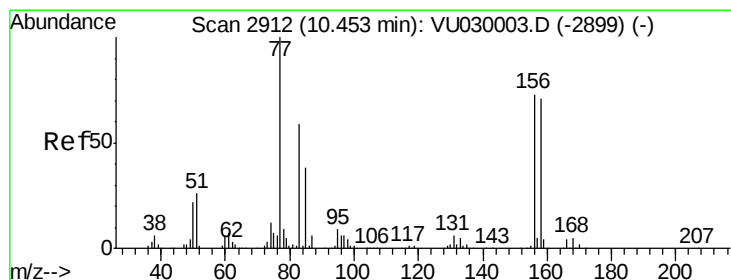
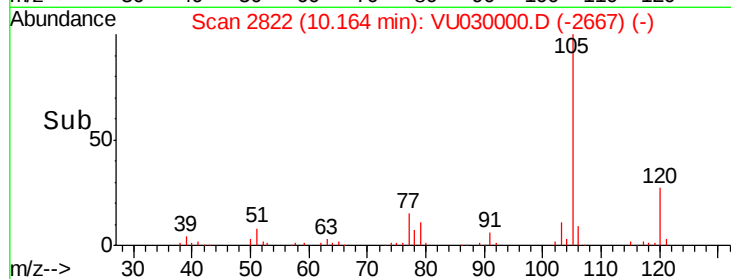
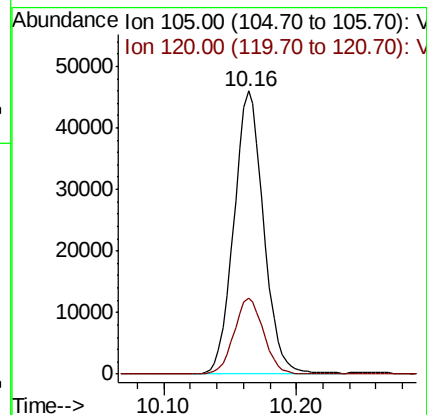
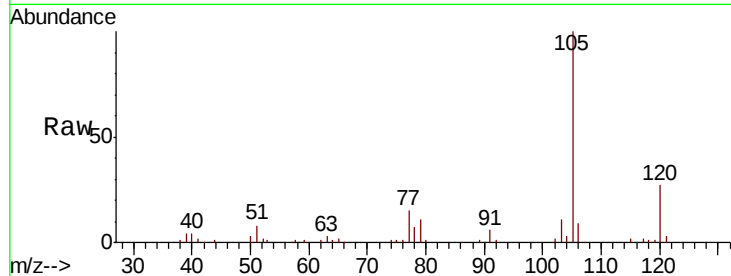
120 26.6 13.5 40.5

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.003 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

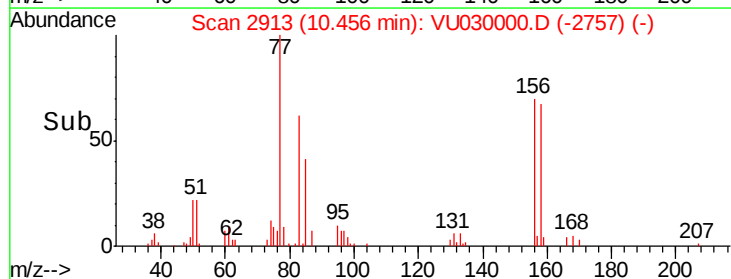
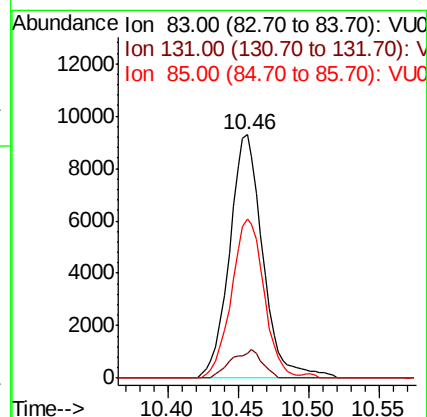
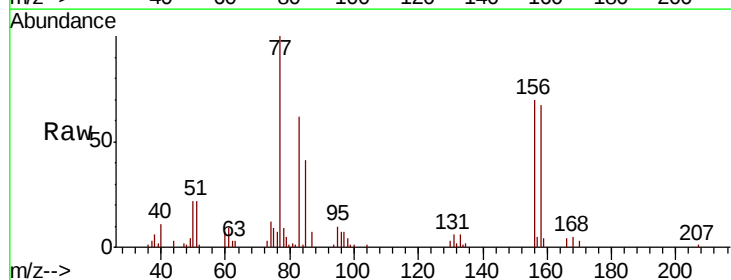
Tgt Ion: 83 Resp: 15333

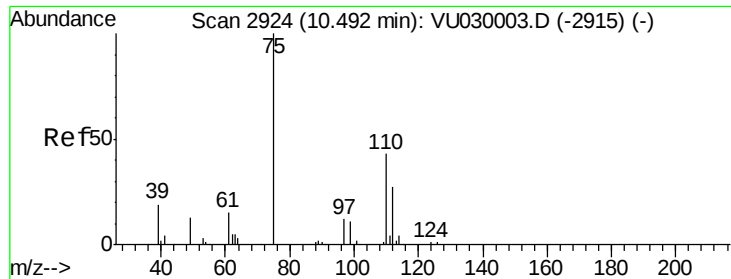
Ion Ratio Lower Upper

83 100

131 10.7 8.4 12.6

85 63.8 52.6 78.8





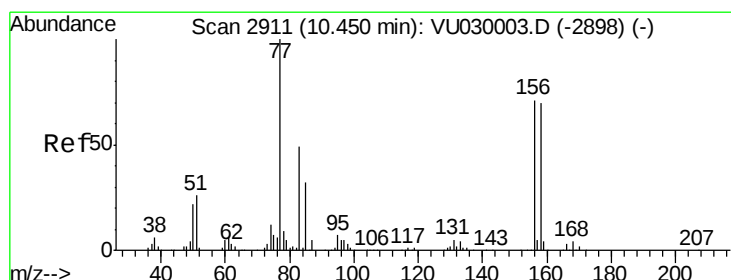
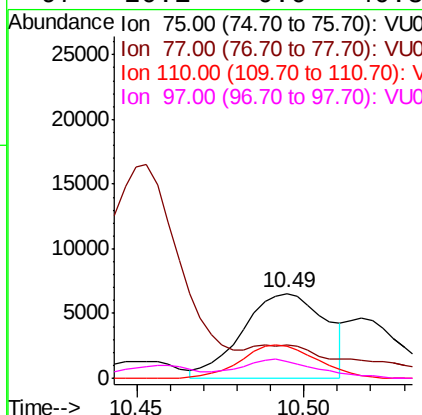
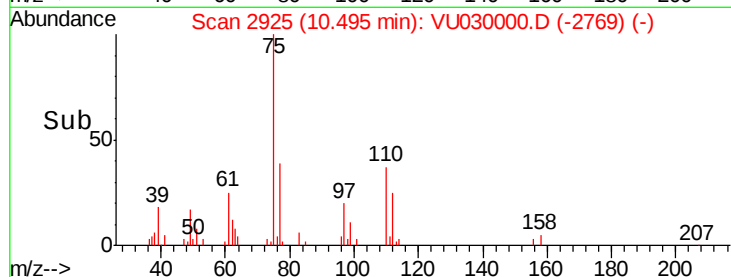
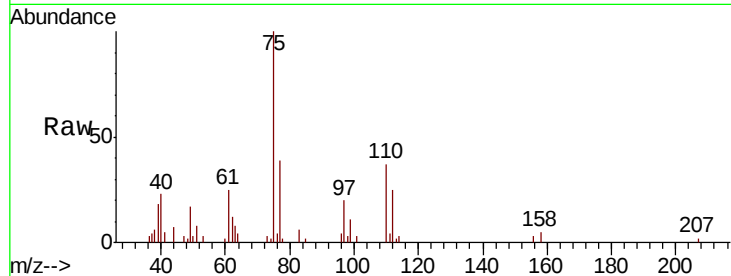
#71
 1,2,3-Trichloropropane
 Concen: 1.009 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.8
110	35.8	0.0	76.8
97	20.1	0.0	40.8

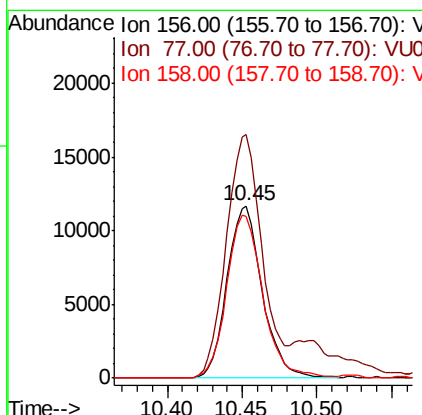
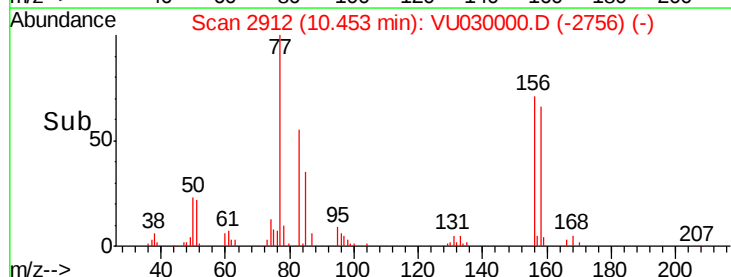
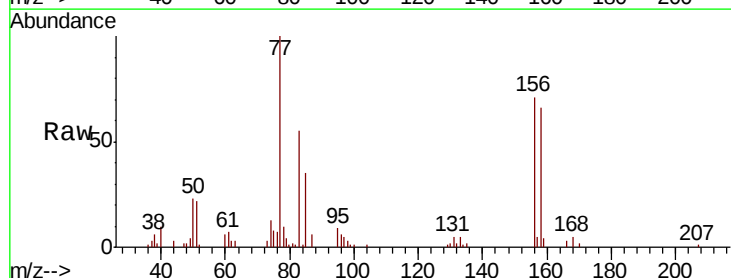
Manual Integrations
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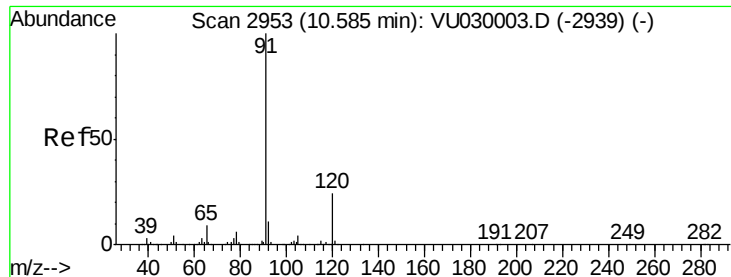
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#72
 Bromobenzene
 Concen: 0.964 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
156	100		
77	142.8	0.0	278.6
158	97.4	0.0	195.2





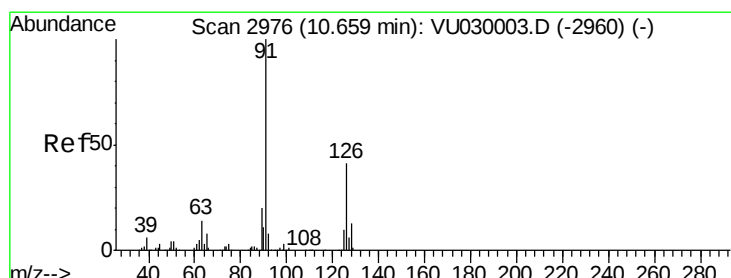
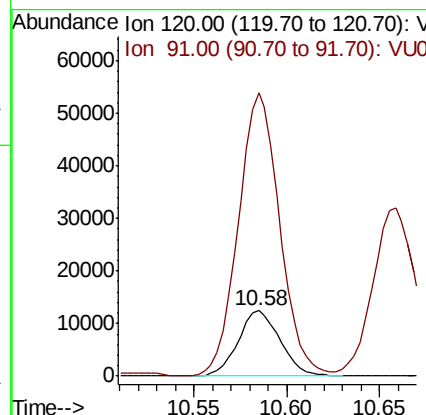
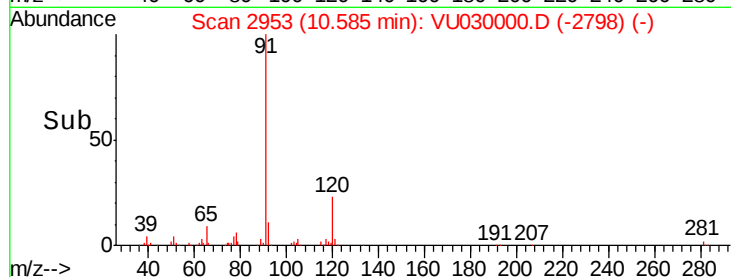
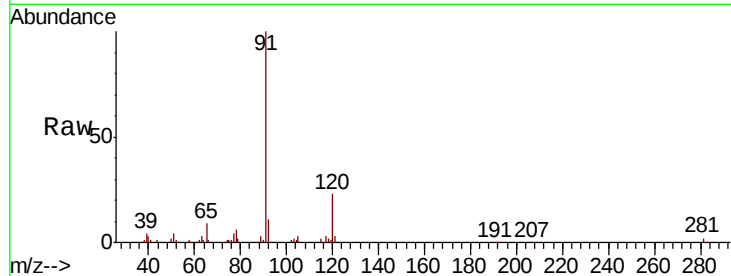
#73
n-propylbenzene
Concen: 0.906 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:120 Resp: 19509
Ion Ratio Lower Upper
120 100
91 427.5 335.4 503.0

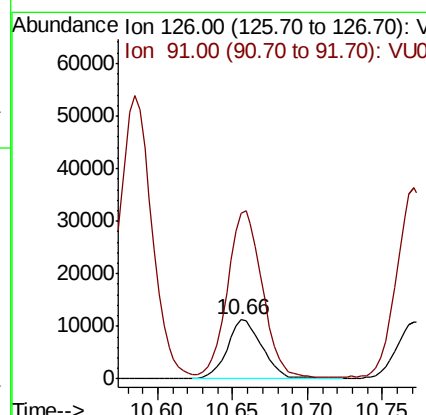
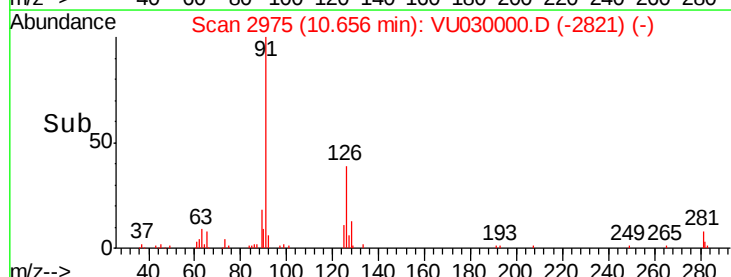
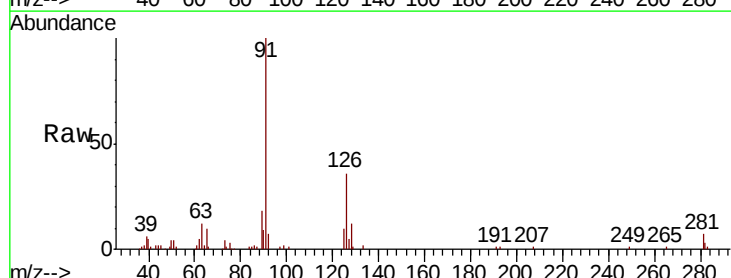
Manual Integrations
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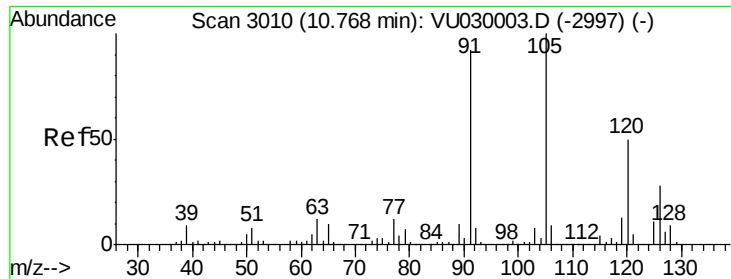
MMDadoda
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#74
2-Chlorotoluene
Concen: 0.968 ug/l
RT: 10.66 min Scan# 2975
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion:126 Resp: 18256
Ion Ratio Lower Upper
126 100
91 282.3 0.0 561.0





#75

1,3,5-Trimethylbenzene

Concen: 0.918 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tgt Ion:105 Resp: 59332

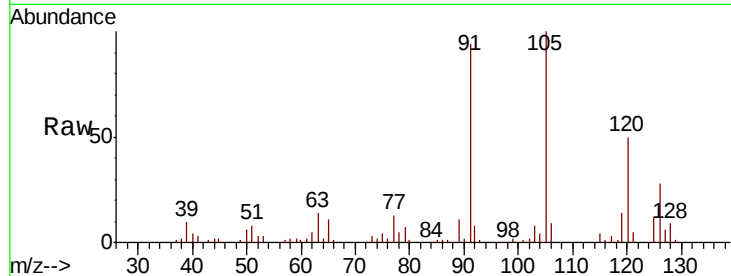
Ion Ratio Lower Upper

105 100

120 50.9 39.8 59.8

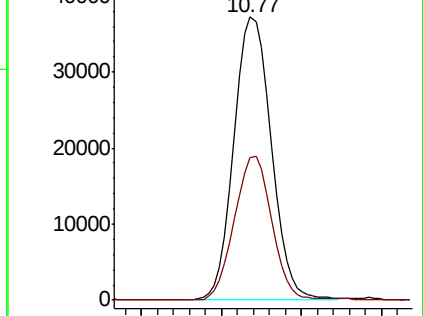
Manual Integrations
APPROVED

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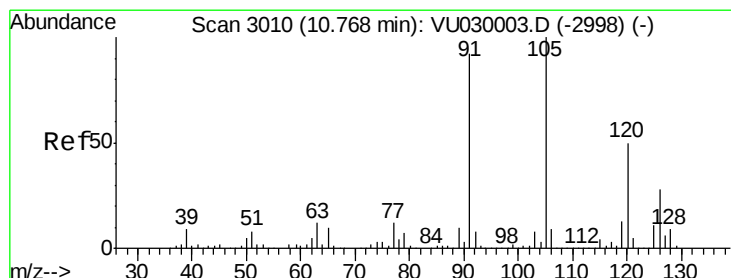
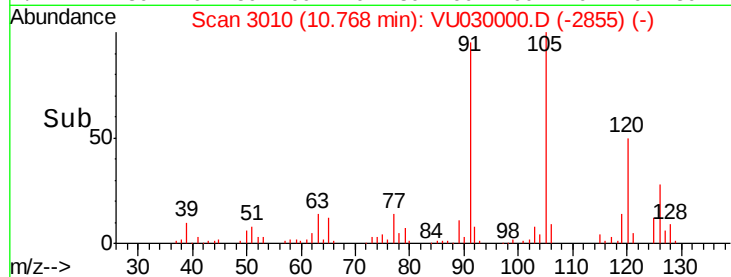


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#76

4-Chlorotoluene

Concen: 0.956 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030000.D

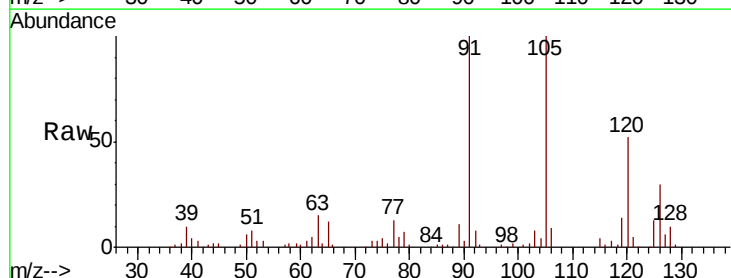
Acq: 12 Mar 2019 10:27

Tgt Ion:126 Resp: 18393

Ion Ratio Lower Upper

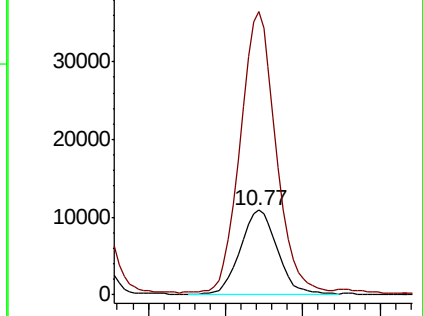
126 100

91 313.7 0.0 641.8

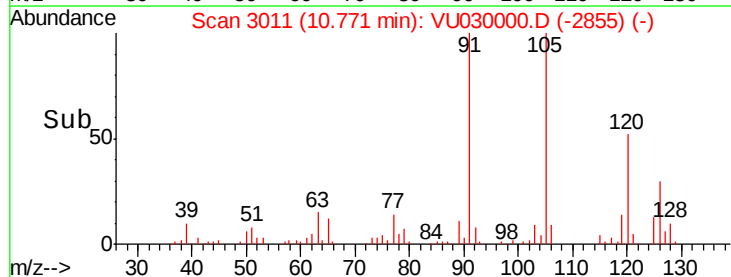


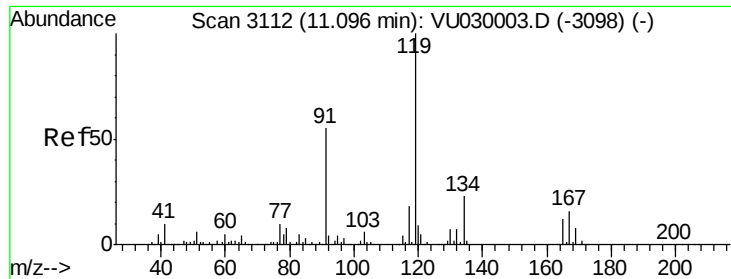
Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





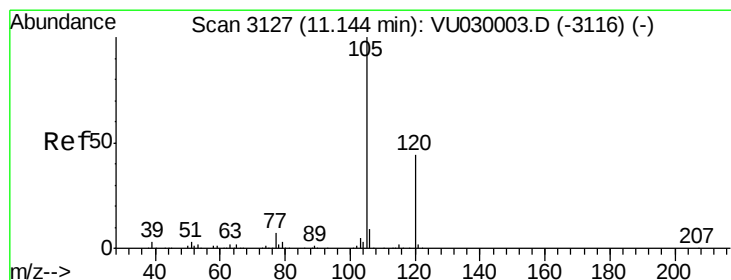
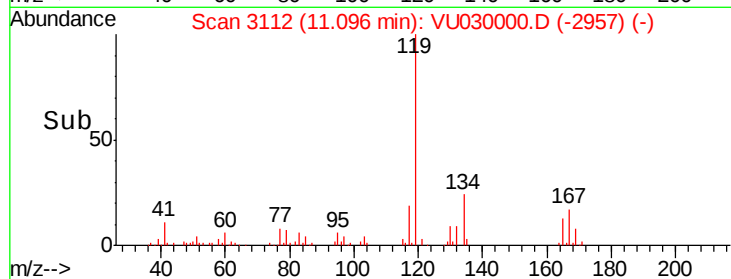
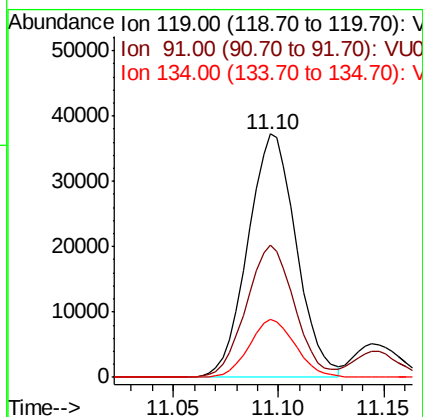
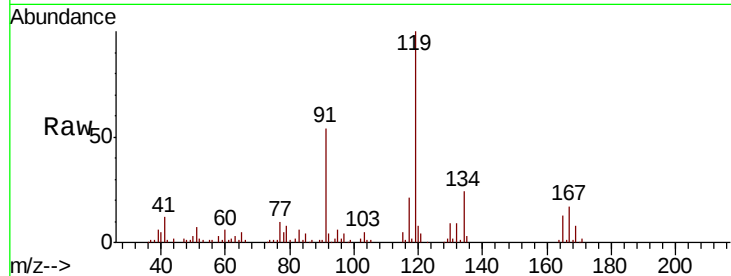
#77
tert-Butylbenzene
Concen: 0.940 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	59516		
91	53.8	27.6	82.8	
134	22.7	18.7	28.1	

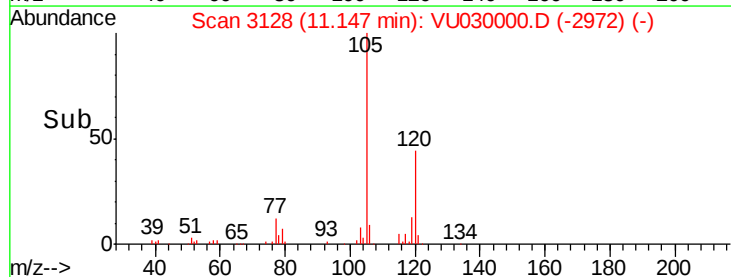
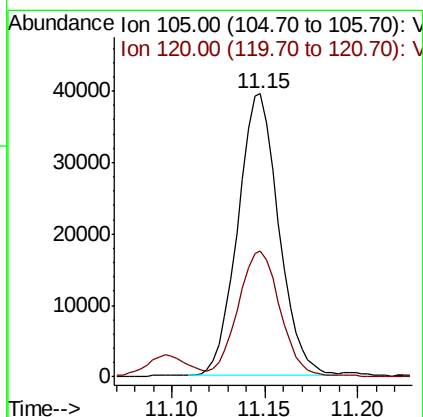
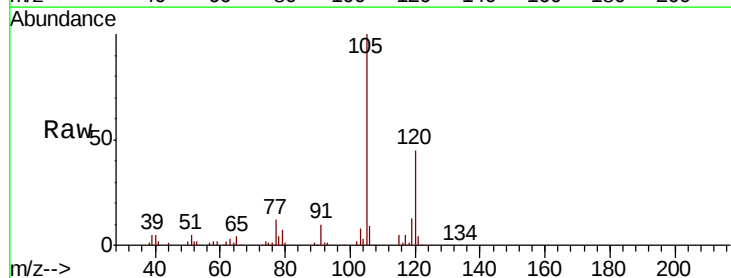
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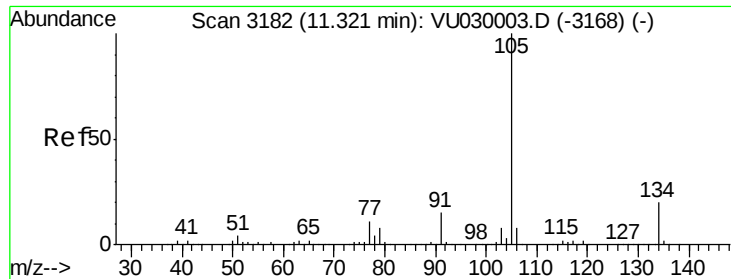
MMDadoda
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#78
1,2,4-Trimethylbenzene
Concen: 0.923 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	60716		
120	46.2	23.5	70.6	





#79

sec-Butylbenzene

Concen: 0.948 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 80350

Ion Ratio Lower Upper

105 100

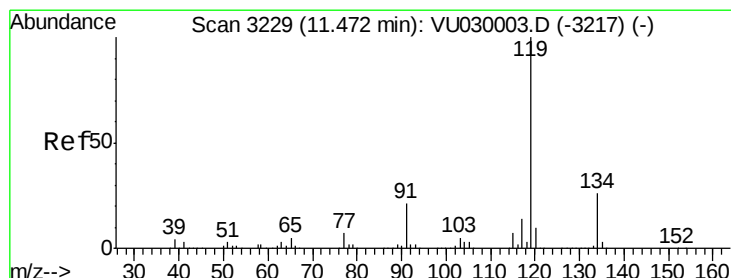
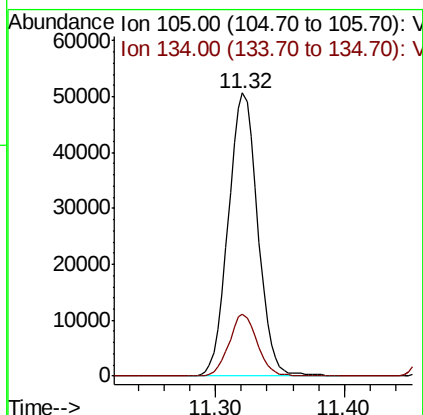
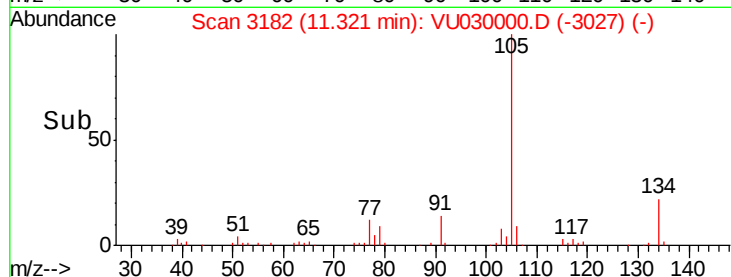
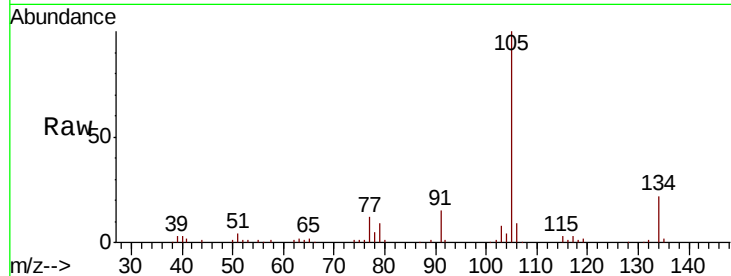
134 20.8 16.1 24.1

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#81

p-Isopropyltoluene

Concen: 0.922 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

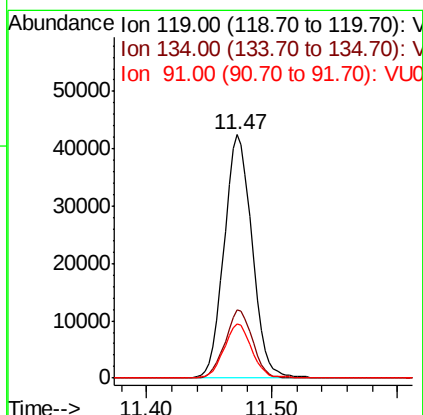
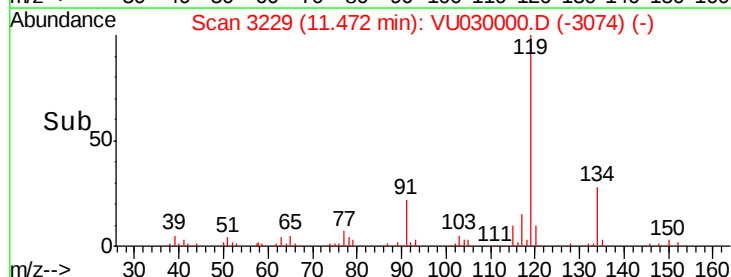
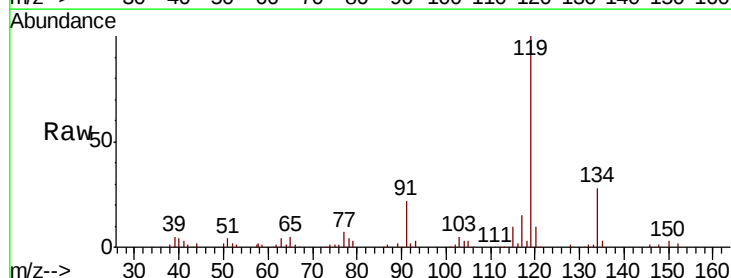
Tgt Ion:119 Resp: 65598

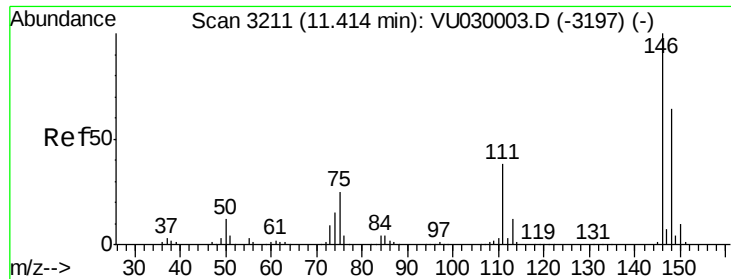
Ion Ratio Lower Upper

119 100

134 27.3 21.2 31.8

91 22.2 17.0 25.6





#82

1,3-Dichlorobenzene

Concen: 1.007 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

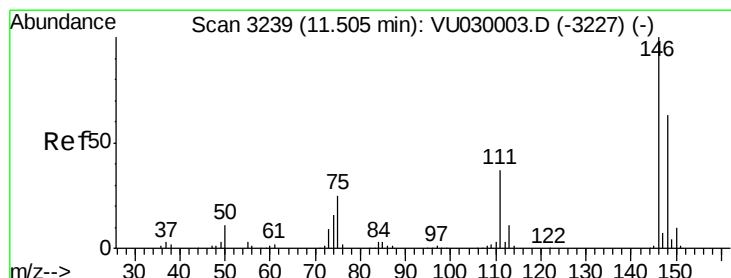
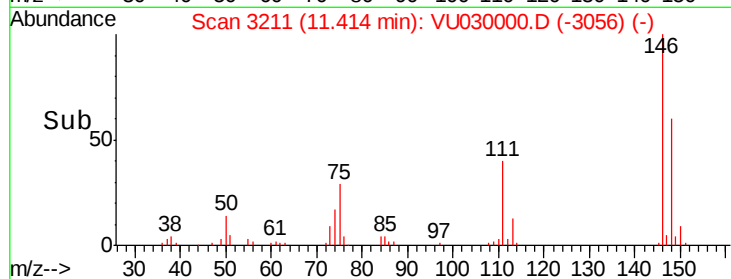
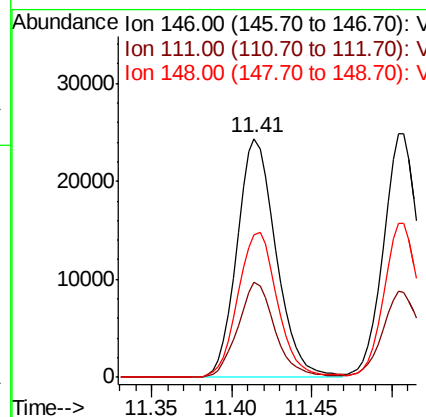
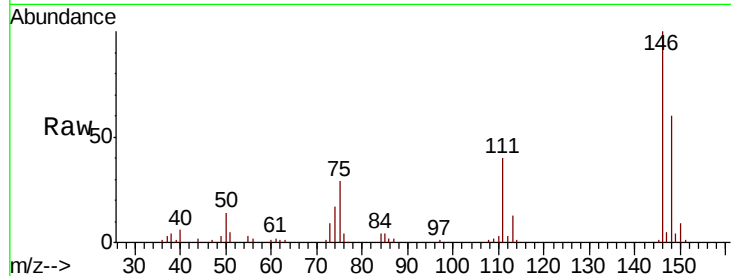
ClientSampleId :

VSTDIC001

Tgt Ion:	146	Resp:	40493
Ion Ratio	Lower	Upper	
146	100		
111	37.8	30.3	45.5
148	61.6	51.1	76.7

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#83

1,4-Dichlorobenzene

Concen: 0.995 ug/l

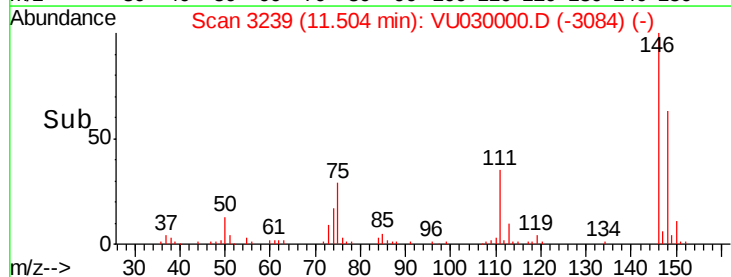
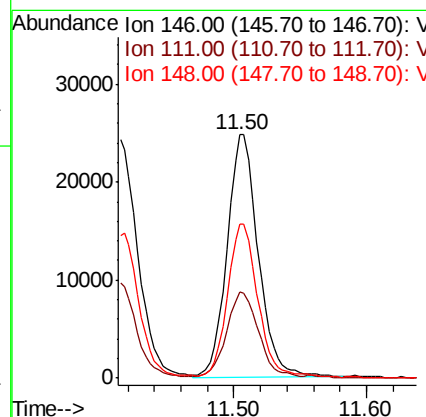
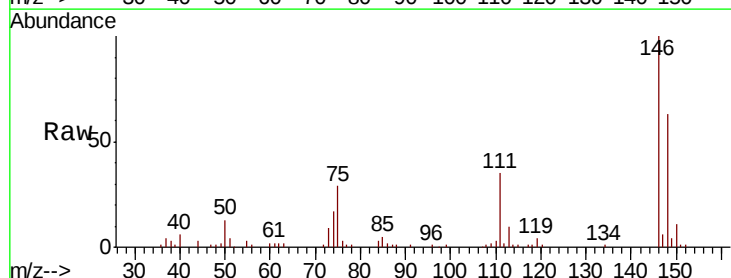
RT: 11.50 min Scan# 3239

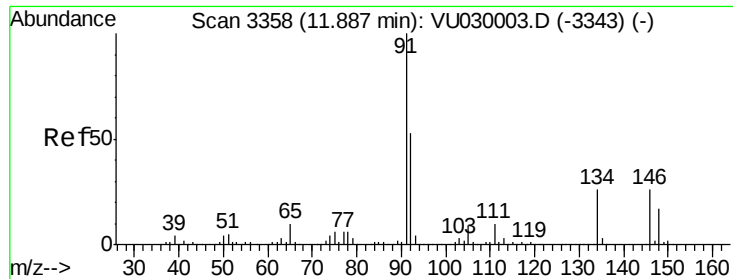
Delta R.T. -0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Tgt Ion:	146	Resp:	40208
Ion Ratio	Lower	Upper	
146	100		
111	35.4	29.3	43.9
148	61.9	50.6	76.0





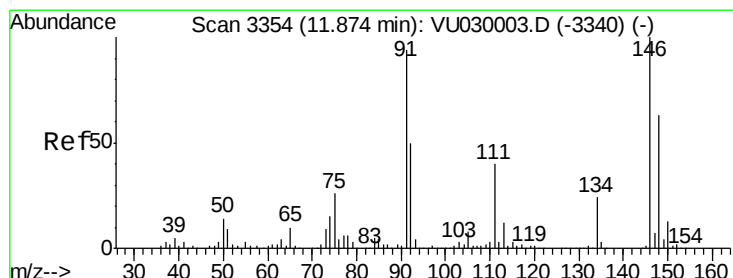
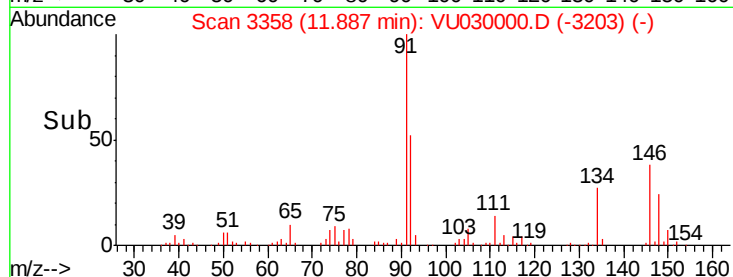
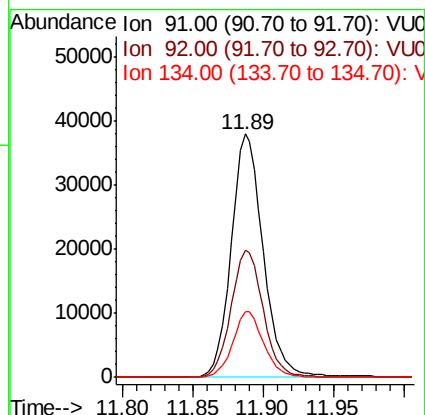
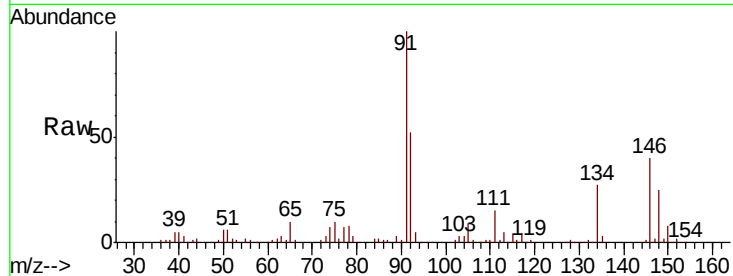
#84
n-Butylbenzene
Concen: 0.907 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tgt Ion: 91 Resp: 60280
Ion Ratio Lower Upper
91 100
92 52.6 42.4 63.6
134 26.1 21.4 32.0

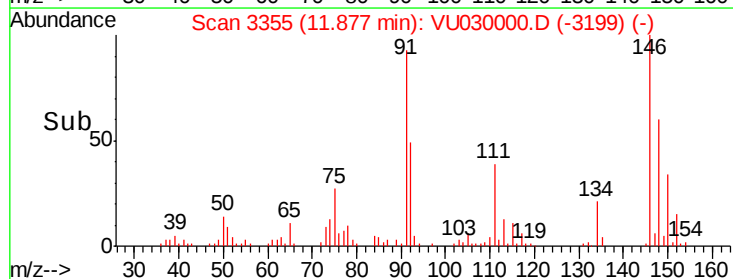
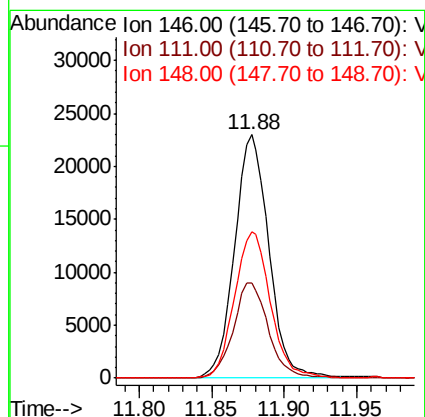
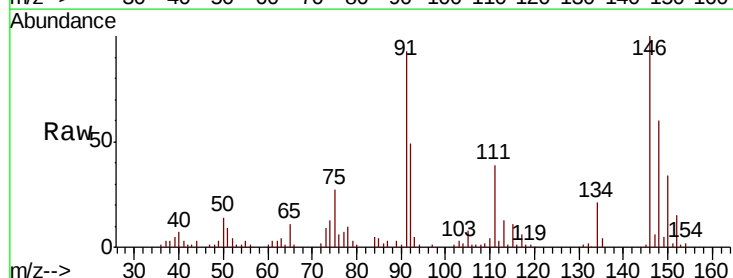
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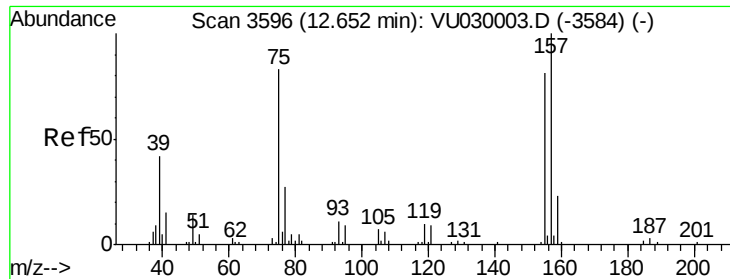
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#85
1,2-Dichlorobenzene
Concen: 1.008 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030000.D
Acq: 12 Mar 2019 10:27

Tgt Ion: 146 Resp: 37703
Ion Ratio Lower Upper
146 100
111 40.3 19.9 59.7
148 62.8 31.7 95.1





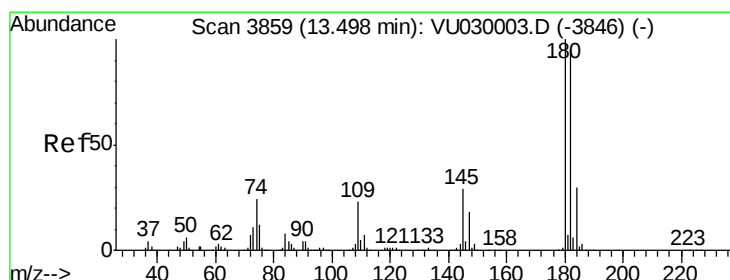
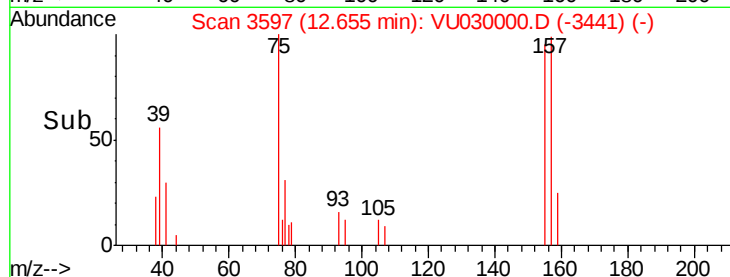
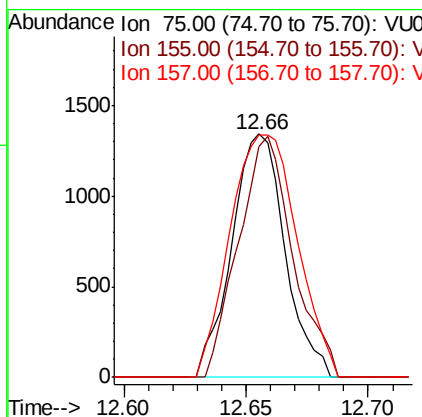
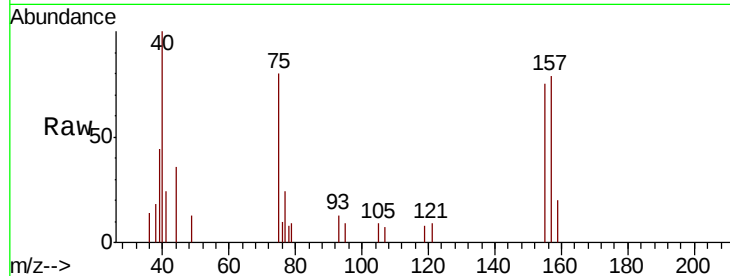
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.921 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 2029
 Ion Ratio Lower Upper
 75 100
 155 101.2 78.2 117.4
 157 125.9 97.2 145.8

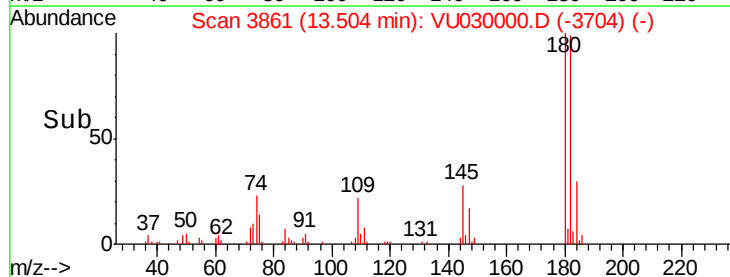
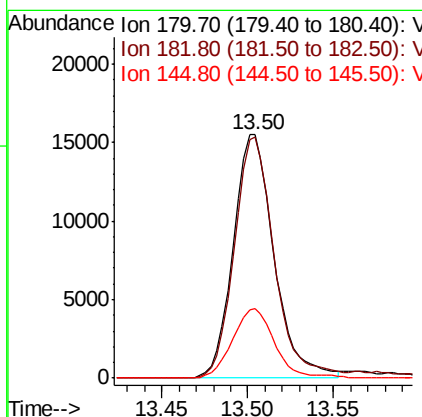
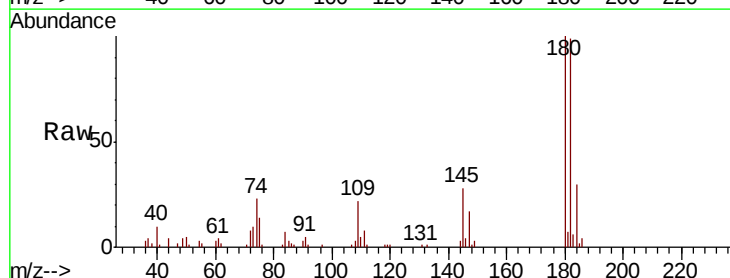
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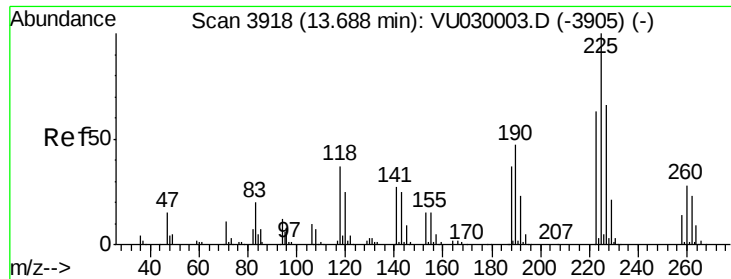
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.951 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Tgt Ion: 180 Resp: 25680
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.2 114.2
 145 28.7 23.0 34.6





#88

Hexachlorobutadiene

Concen: 0.957 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Instrument :

MSVOA_U

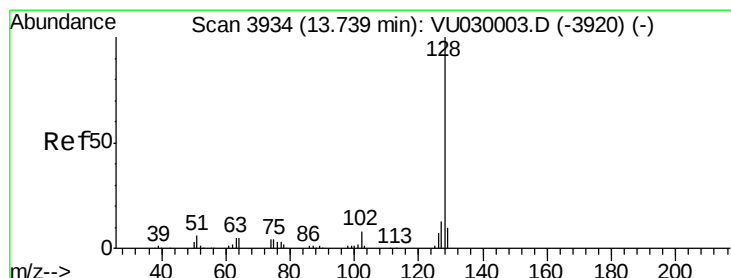
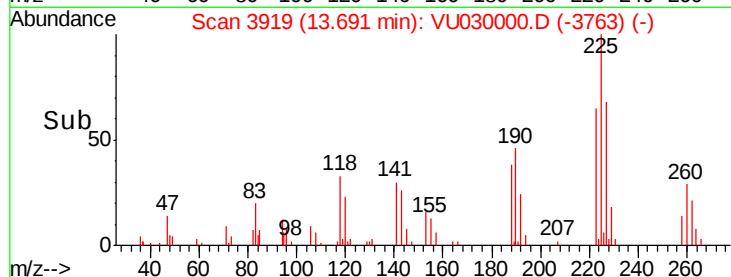
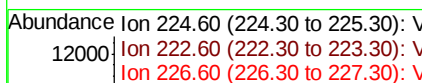
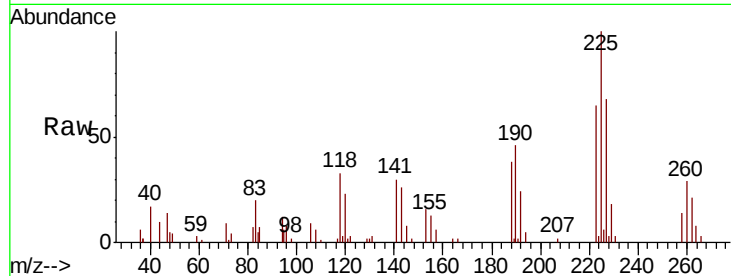
ClientSampleId :

VSTDIC001

Tgt Ion:	225	Resp:	14003
Ion Ratio	Lower	Upper	
225	100		
223	66.4	50.7	76.1
227	66.4	52.6	78.8

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#89

Naphthalene

Concen: 0.849 ug/l

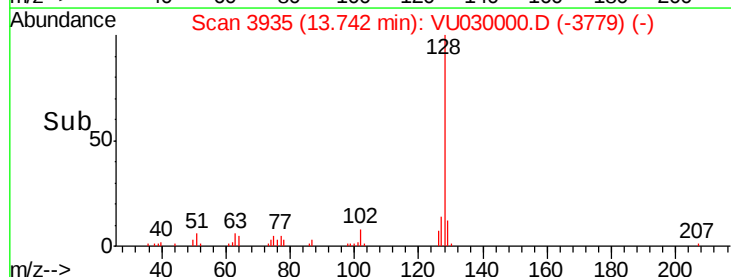
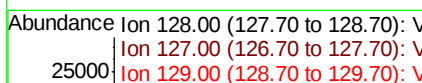
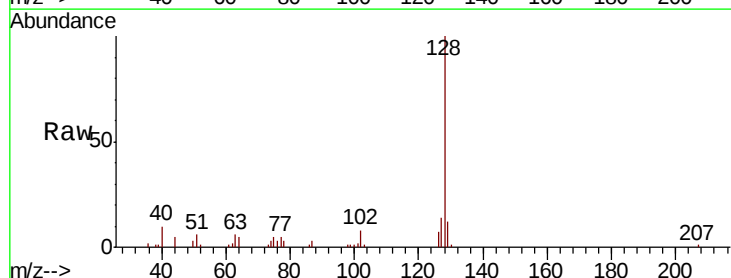
RT: 13.74 min Scan# 3935

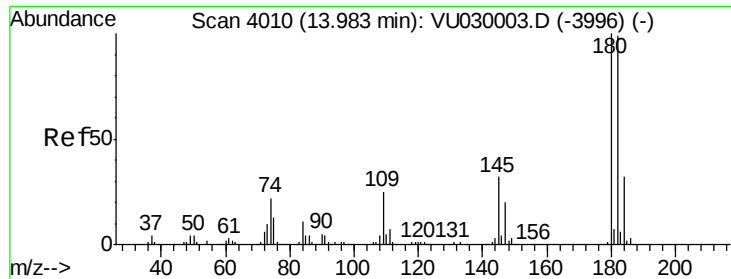
Delta R.T. 0.00 min

Lab File: VU030000.D

Acq: 12 Mar 2019 10:27

Tgt Ion:	128	Resp:	35934
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.3	8.5	12.7





#90
 1,2,3-Trichlorobenzene
 Concen: 0.961 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030000.D
 Acq: 12 Mar 2019 10:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	23499		
182	97.6		77.6	116.4
145	28.5		24.7	37.1

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