

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U041519\
 Data File : VU031198.D
 Acq On : 15 Apr 2019 21:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:11 PM

Quant Time: Apr 16 04:27:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	32492	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	10608	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11246	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	14917	1.132	ug/l	97
3) Chloromethane	1.32	50	15856	1.018	ug/l	100
4) Vinyl Chloride	1.40	62	16239	1.093	ug/l	97
5) Bromomethane	1.63	94	8907	1.213	ug/l	85
6) Chloroethane	1.70	64	10695	1.237	ug/l	100
7) Trichlorofluoromethane	1.89	101	23376	1.319	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	11008	1.234	ug/l	97
9) 1,1-Dichloroethene	2.29	96	11282	1.276	ug/l	99
10) Iodomethane	2.41	142	14156	1.230	ug/l	98
11) Allyl Chloride	2.59	41	21749	1.150	ug/l	100
12) Acrylonitrile	2.94	53	6359	2.212	ug/l	92
13) Acetone	2.33	43	14637	5.550	ug/l	93
14) Carbon Disulfide	2.48	76	40246	1.239	ug/l	99
15) Methylene Chloride	2.70	84	14864	1.233	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	12214	1.221	ug/l	96
17) 1,1-Dichloroethane	3.44	63	19595	1.001	ug/l	94
18) 2-Butanone	4.28	43	14062	4.184	ug/l	92
19) Cyclohexane	4.99	56	13075	0.828	ug/l	97
20) Methylcyclohexane	6.41	83	12388	0.904	ug/l	95
21) 2,2-Dichloropropane	4.22	77	15453	1.022	ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	10959	1.085	ug/l	96
23) Diethyl Ether	2.10	59	10033	1.128	ug/l	90
24) tert-Butyl Alcohol	2.87	59	11239m	10.813	ug/l	
25) Methyl tert-Butyl Ether	3.00	73	32221	1.166	ug/l	93
26) Bromochloromethane	4.55	128	4913	1.123	ug/l	96
27) Chloroform	4.67	83	19749	1.065	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	16444	1.077	ug/l	99
29) 1,1-Dichloropropene	5.14	75	13822	1.034	ug/l	97
30) Carbon Tetrachloride	5.13	117	14743	1.106	ug/l	97
31) Isopropyl Ether	3.57	45	29130	0.916	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	24168	0.935	ug/l	95
33) Tert-Amyl methyl ether	5.58	73	18644	0.858	ug/l	97
34) Propionitrile	4.35	54	3439m	4.116	ug/l	
35) Benzene	5.39	78	40268	1.015	ug/l	100
36) 1,2-Dichloroethane	5.41	62	12924	1.024	ug/l	99
37) Trichloroethene	6.18	130	11285	1.168	ug/l	92
38) 1,2-Dichloropropane	6.43	63	10822	0.956	ug/l	96
39) Methacrylonitrile	4.56	41	3815	0.923	ug/l #	69
40) Methyl acrylate	4.43	55	4631	0.912	ug/l #	73
41) Tetrahydrofuran	4.66	42	3657	1.645	ug/l	97
42) 1-Chlorobutane	5.06	56	16762	0.825	ug/l	84

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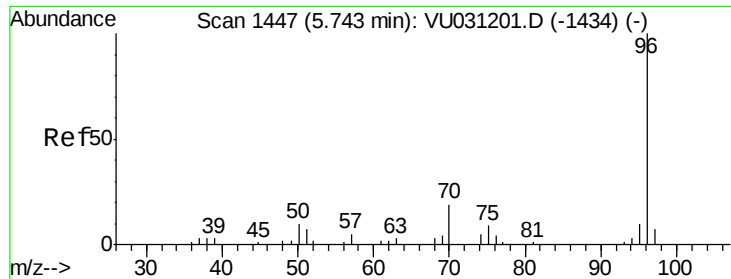
Manual Integrations
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 4/16/2019 3:23:11 PM

Quant Time: Apr 16 04:27:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	6149	1.158	ug/l	94
44) Bromodichloromethane	6.76	83	13964	1.007	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	31204	4.132	ug/l	95
46) t-1,4-Dichloro-2-butene	10.52	75	4894m	1.882	ug/l	
47) Methyl methacrylate	6.63	69	7859	1.624	ug/l	88
48) Ethyl methacrylate	8.02	69	7165	0.790	ug/l	96
49) Toluene	7.64	92	20257	0.935	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	11509	0.968	ug/l	93
51) cis-1,3-Dichloropropene	7.27	75	13631	0.954	ug/l	93
52) 1,1,2-Trichloroethane	8.06	97	7532	0.994	ug/l	96
53) 1,3-Dichloropropane	8.24	76	12825	0.967	ug/l	100
54) 2-Hexanone	8.37	43	20591	4.110	ug/l	88
55) Dibromochloromethane	8.47	129	9102	1.057	ug/l	95
56) 1,2-Dibromoethane	8.59	107	7557	1.105	ug/l	91
58) Tetrachloroethene	8.22	164	8985	1.047	ug/l	98
59) Chlorobenzene	9.12	112	24081	1.017	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	9131	1.022	ug/l	99
61) Pentachloroethane	11.10	117	6979	1.019	ug/l	98
62) Hexachloroethane	12.14	117	6616	1.017	ug/l	100
63) Ethyl Benzene	9.25	91	33593	0.857	ug/l	97
64) m/p-Xylenes	9.37	106	25685	1.791	ug/l	95
65) o-Xylene	9.77	106	12305	0.883	ug/l	97
66) Styrene	9.79	104	20680	0.859	ug/l	98
67) Bromoform	9.96	173	5036	1.018	ug/l #	97
69) Isopropylbenzene	10.16	105	34633	0.931	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	10097	1.014	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	7017m	0.926	ug/l	
72) Bromobenzene	10.45	156	9373	0.997	ug/l	94
73) n-propylbenzene	10.59	120	9064	0.914	ug/l	99
74) 2-Chlorotoluene	10.66	126	8641	0.955	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	27397	0.870	ug/l	100
76) 4-Chlorotoluene	10.77	126	8484	0.918	ug/l	96
77) tert-Butylbenzene	11.10	119	27758	0.904	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	26960	0.840	ug/l	97
79) sec-Butylbenzene	11.32	105	37634	0.902	ug/l	100
80) Nitrobenzene	12.90	77	1027m	3.464	ug/l	
81) p-Isopropyltoluene	11.47	119	29521	0.903	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	19049	1.023	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	17687	0.961	ug/l	99
84) n-Butylbenzene	11.89	91	29133	0.886	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	18806	1.063	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1337	0.860	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	10206	0.966	ug/l	98
88) Hexachlorobutadiene	13.69	225	7598	1.198	ug/l	94
89) Naphthalene	13.75	128	14867	0.799	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	10124	0.963	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 32492

Ion Ratio Lower Upper

96 100

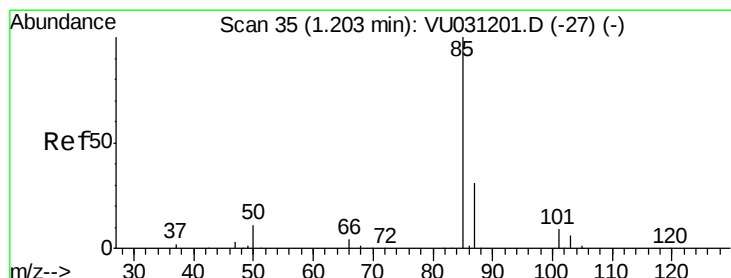
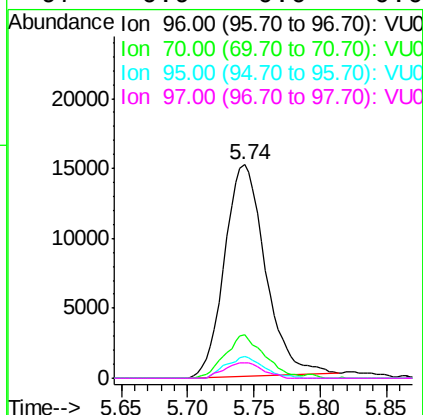
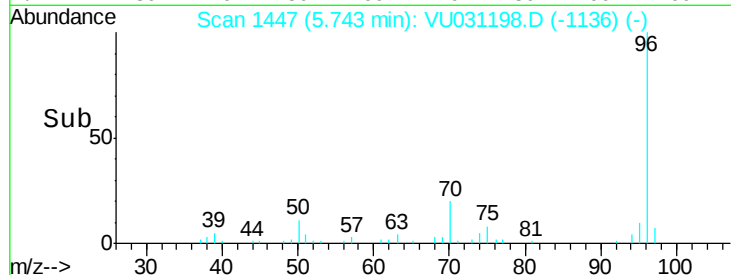
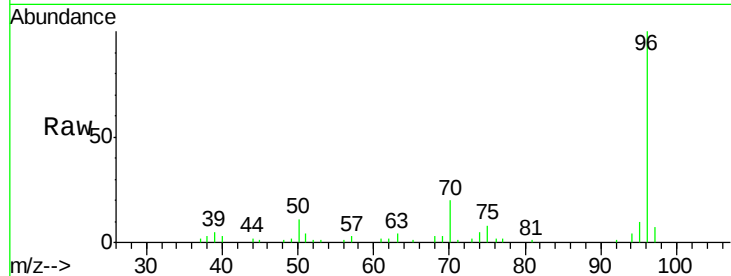
70 18.3 18.4 27.6#

95 9.4 7.6 11.4

97 6.9 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 1.132 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031198.D

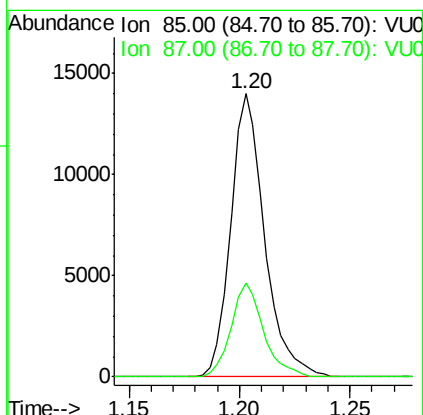
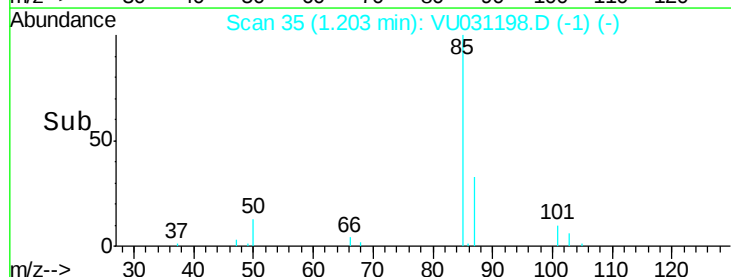
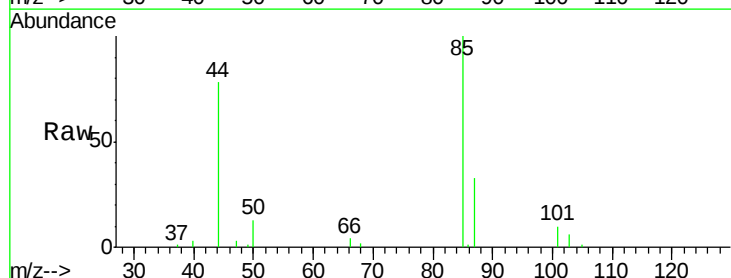
Acq: 15 Apr 2019 21:01

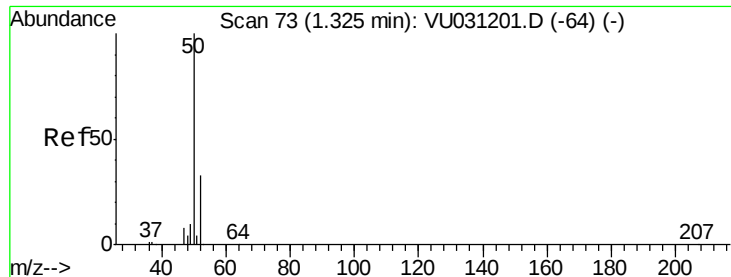
Tgt Ion: 85 Resp: 14917

Ion Ratio Lower Upper

85 100

87 33.0 15.8 47.3





#3

Chloromethane

Concen: 1.018 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 15856

Ion Ratio Lower Upper

50 100

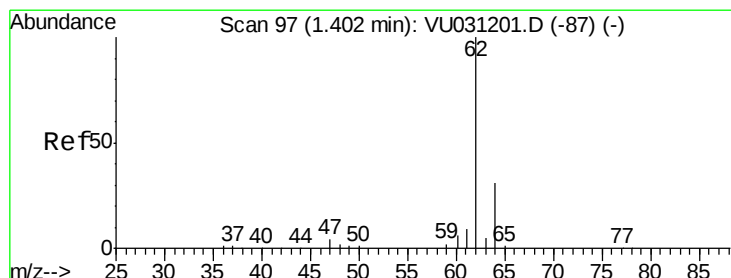
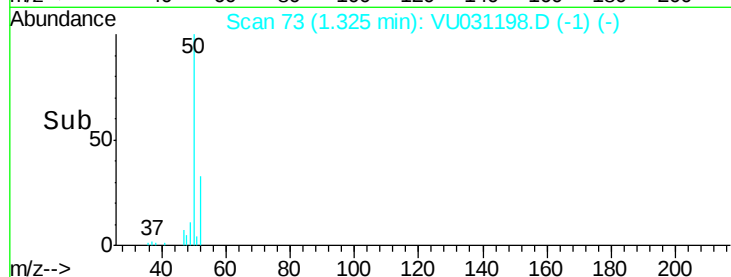
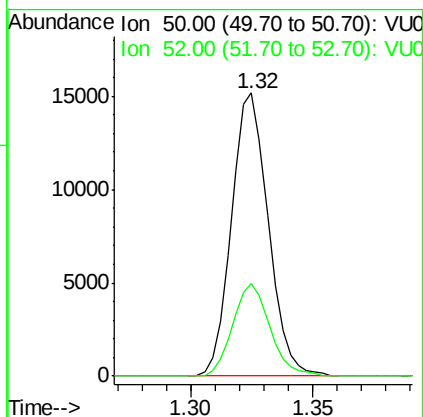
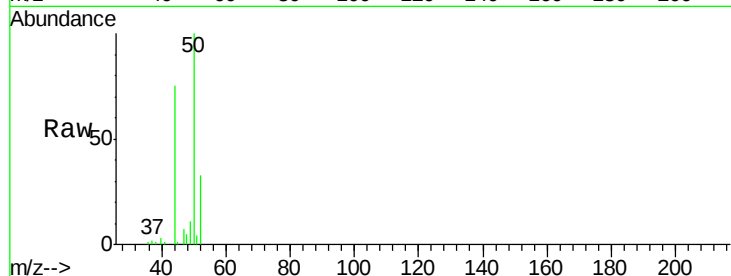
52 32.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 1.093 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031198.D

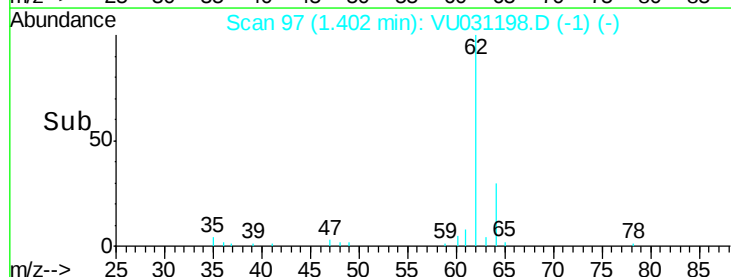
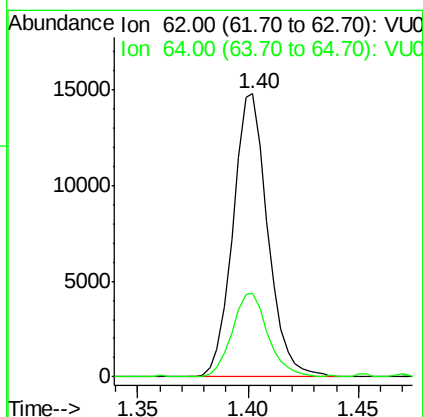
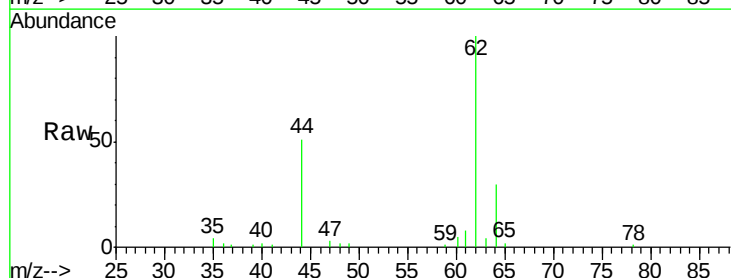
Acq: 15 Apr 2019 21:01

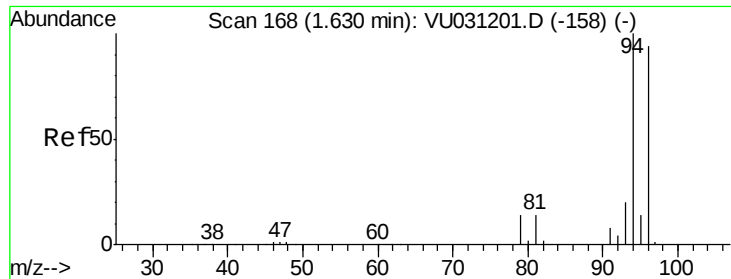
Tgt Ion: 62 Resp: 16239

Ion Ratio Lower Upper

62 100

64 29.5 25.0 37.6





#5

Bromomethane

Concen: 1.213 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 8907

Ion Ratio Lower Upper

94 100

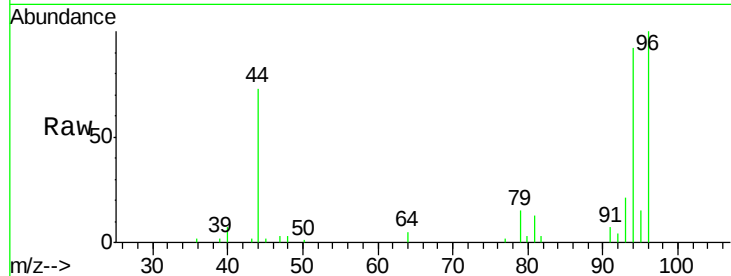
96 108.4 75.0 112.6

Manual Integrations

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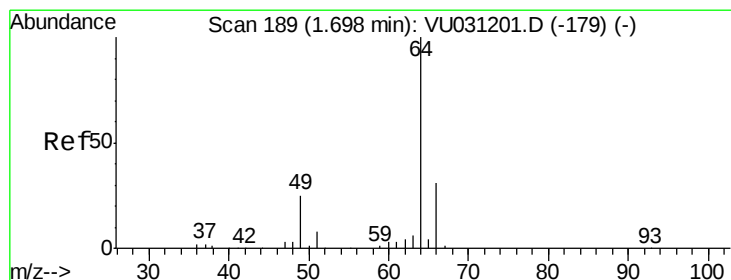
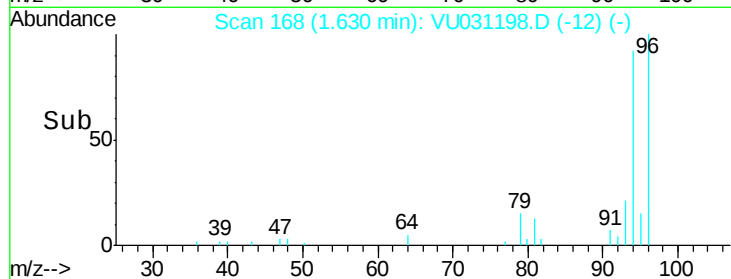
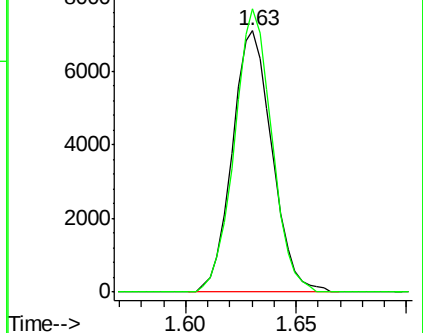
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Abundance Ion 94.00 (93.70 to 94.70): VU031201.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031201.D (-158) (-)



#6

Chloroethane

Concen: 1.237 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031198.D

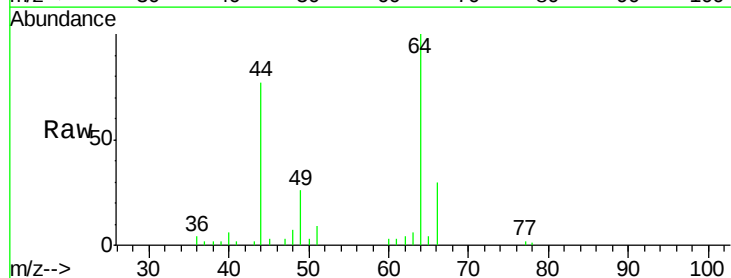
Acq: 15 Apr 2019 21:01

Tgt Ion: 64 Resp: 10695

Ion Ratio Lower Upper

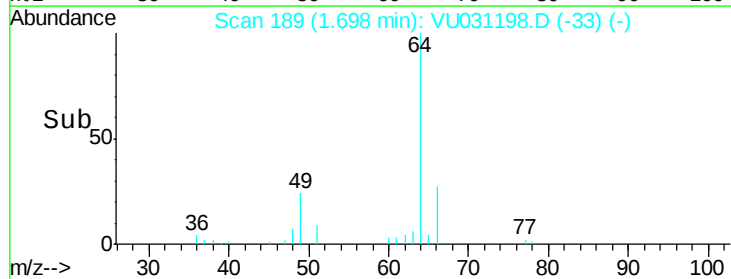
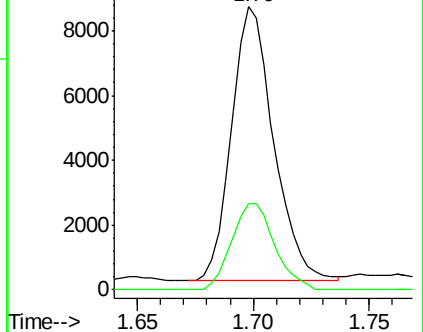
64 100

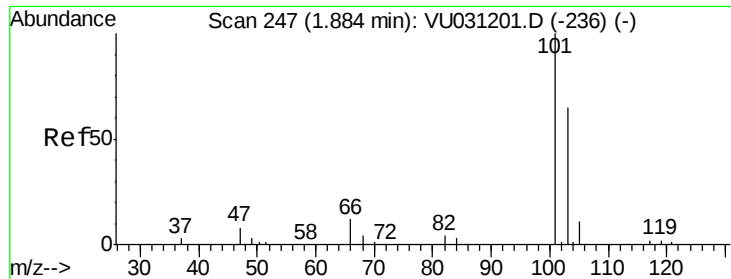
66 31.3 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU031201.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU031201.D (-179) (-)





#7

Trichlorofluoromethane

Concen: 1.319 ug/l

RT: 1.89 min Scan# 248

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 23376

Ion Ratio Lower Upper

101 100

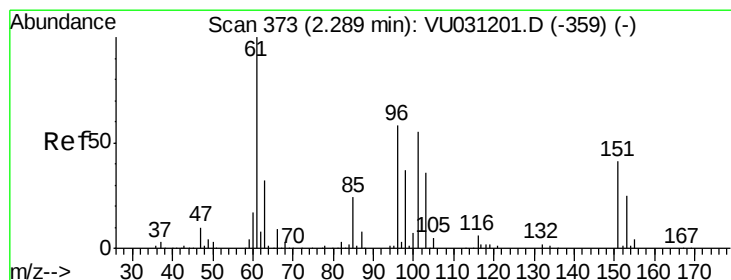
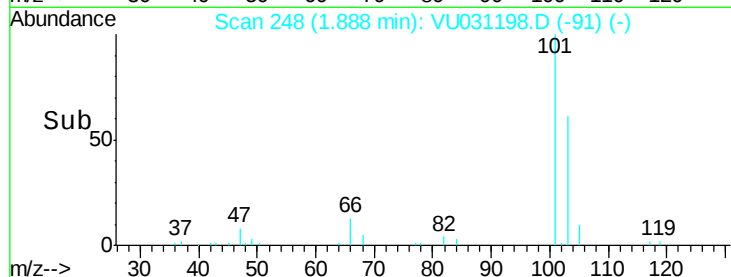
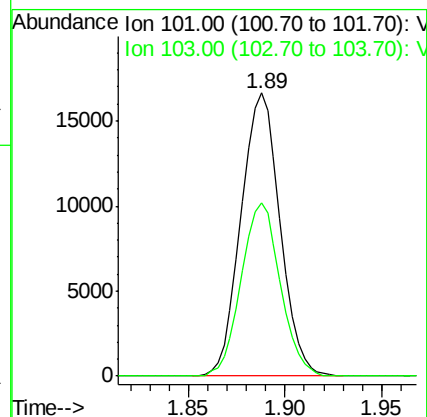
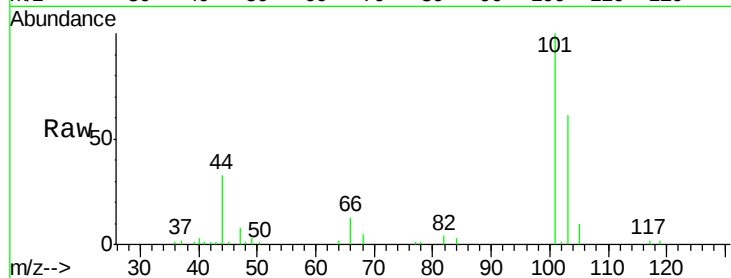
103 61.4 51.8 77.8

Manual Integrations

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#8

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

Concen: 1.234 ug/l

RT: 2.29 min Scan# 373

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

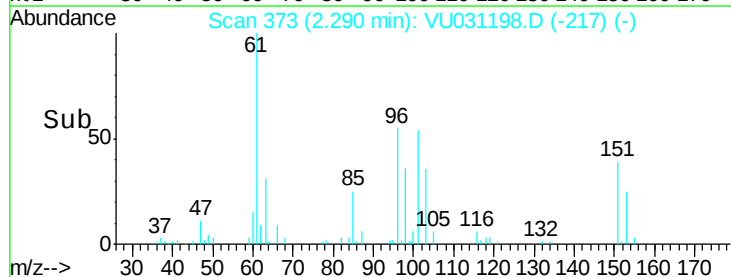
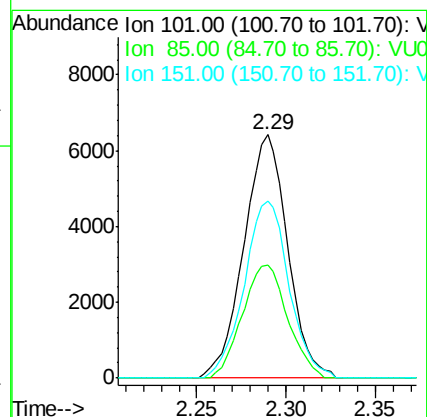
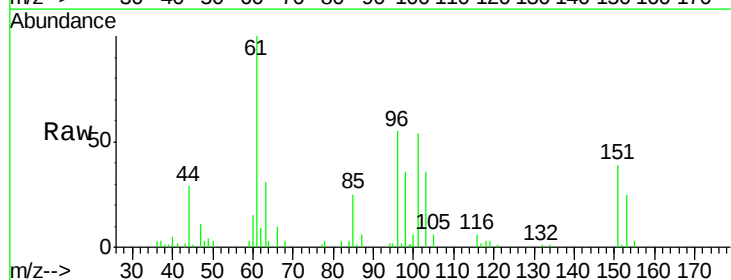
Tgt Ion:101 Resp: 11008

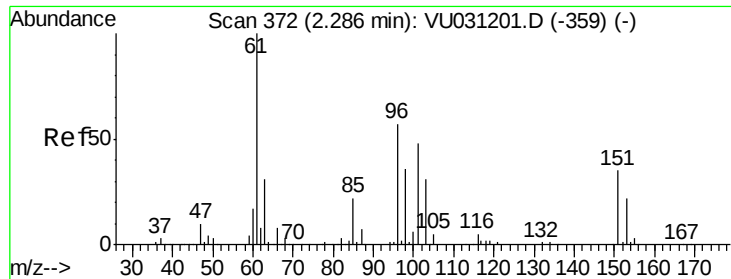
Ion Ratio Lower Upper

101 100

85 47.9 36.1 54.1

151 74.5 58.2 87.2





#9

1,1-Dichloroethene

Concen: 1.276 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 11282

Ion Ratio Lower Upper

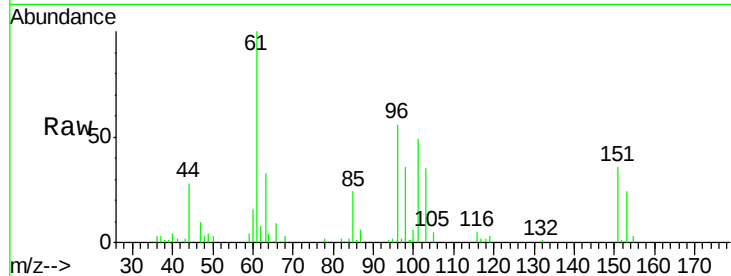
96 100

61 177.2 0.0 527.7

98 63.8 0.0 127.6

Manual Integrations
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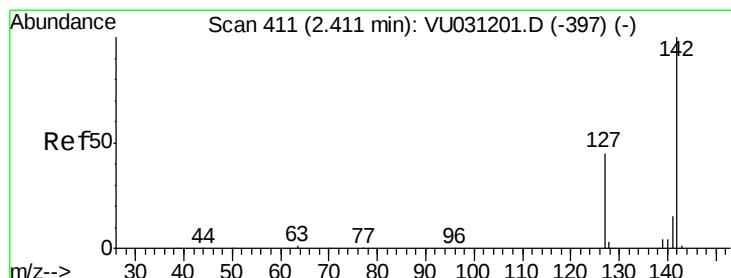
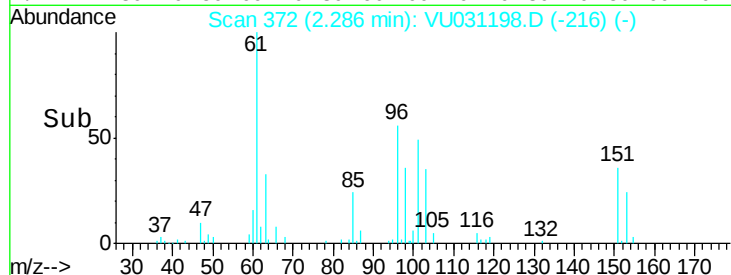
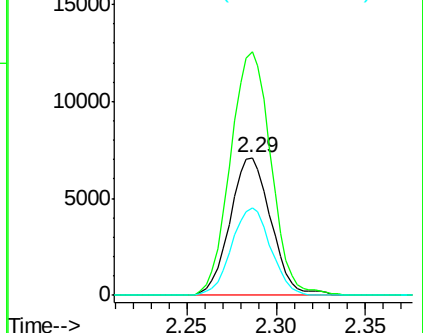
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Abundance Ion 96.00 (95.70 to 96.70): VU031198.D (-216) (-)

Ion 61.00 (60.70 to 61.70): VU031198.D (-216) (-)

Ion 98.00 (97.70 to 98.70): VU031198.D (-216) (-)



#10

Iodomethane

Concen: 1.230 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031198.D

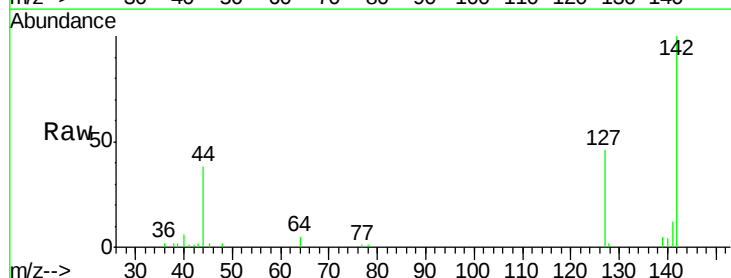
Acq: 15 Apr 2019 21:01

Tgt Ion: 142 Resp: 14156

Ion Ratio Lower Upper

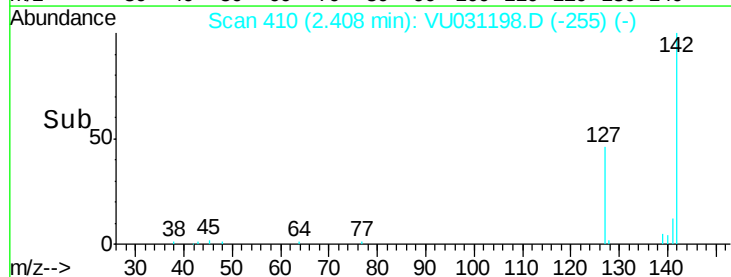
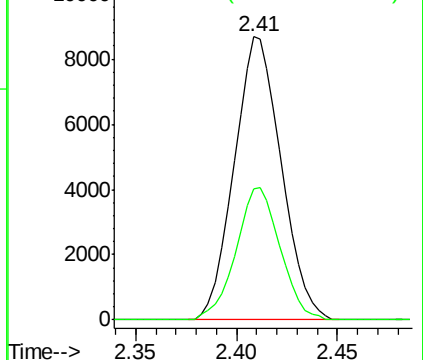
142 100

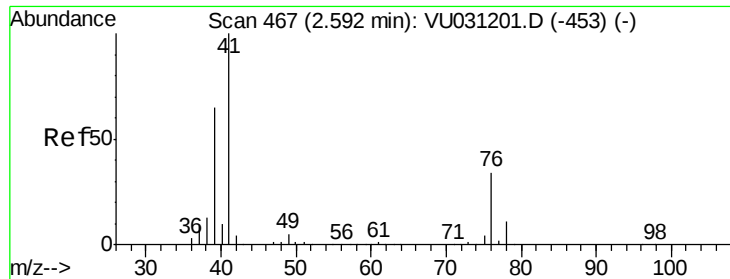
127 43.8 35.9 53.9



Abundance Ion 142.00 (141.70 to 142.70): VU031198.D (-255) (-)

Ion 127.00 (126.70 to 127.70): VU031198.D (-255) (-)





#11

Allvl Chloride

Concen: 1.150 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 21749

Ion Ratio Lower Upper

41 100

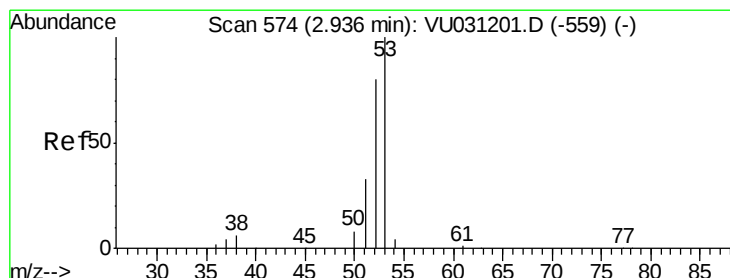
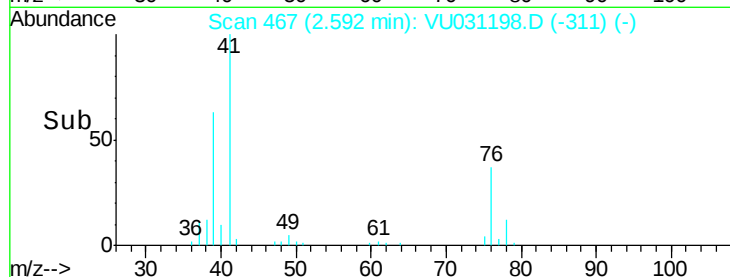
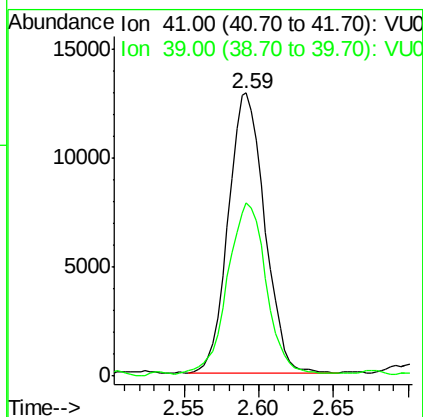
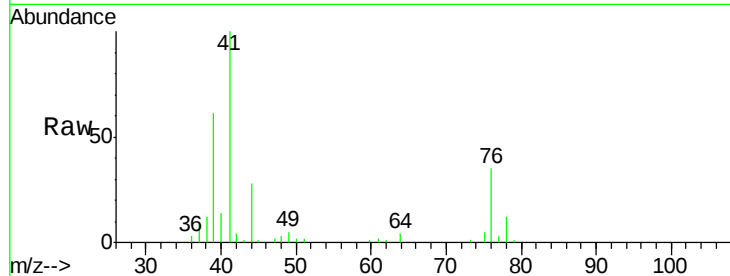
39 64.6 51.9 77.9

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#12

Acrylonitrile

Concen: 2.212 ug/l

RT: 2.94 min Scan# 576

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

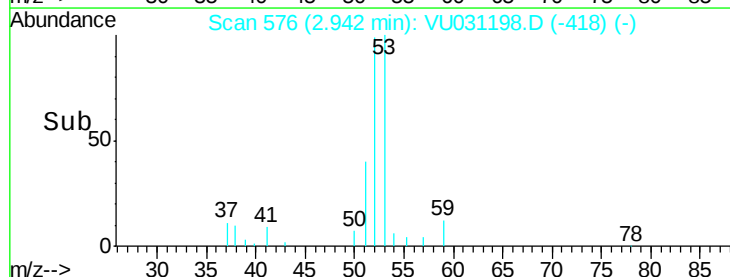
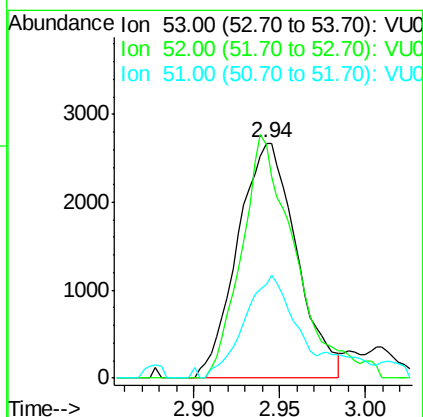
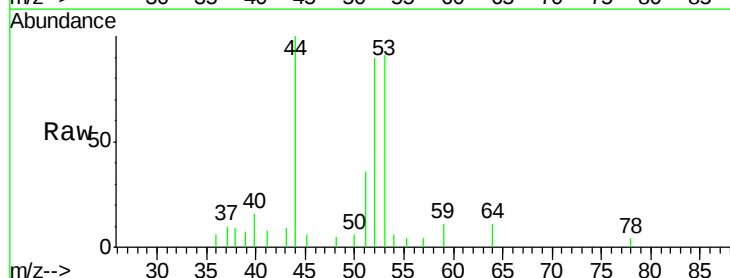
Tgt Ion: 53 Resp: 6359

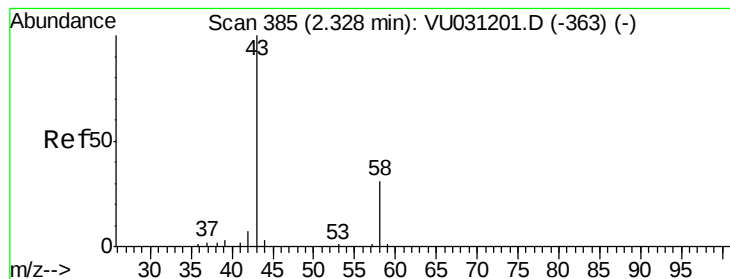
Ion Ratio Lower Upper

53 100

52 92.9 67.8 101.8

51 36.9 26.9 40.3





#13

Acetone

Concen: 5.550 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 14637

Ion Ratio Lower Upper

43 100

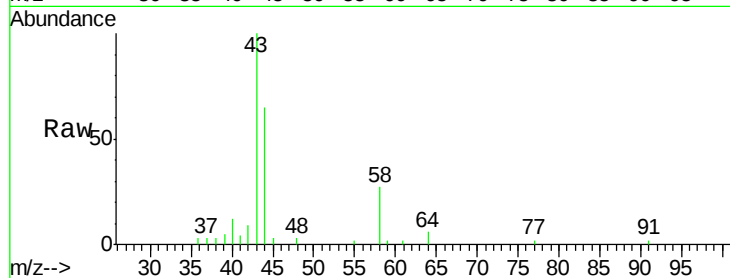
58 26.9 24.7 37.1

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Abundance Ion 43.00 (42.70 to 43.70): VU031198.D (-229) (-)

Ion 58.00 (57.70 to 58.70): VU031198.D (-229) (-)

2.33

6000

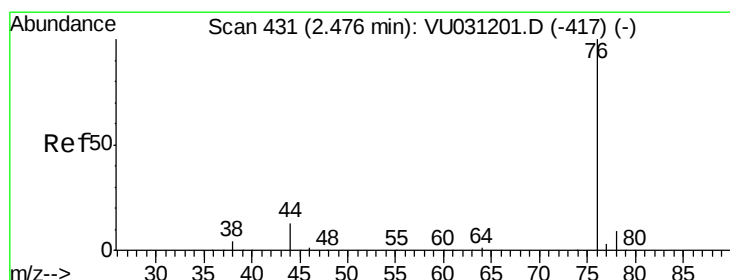
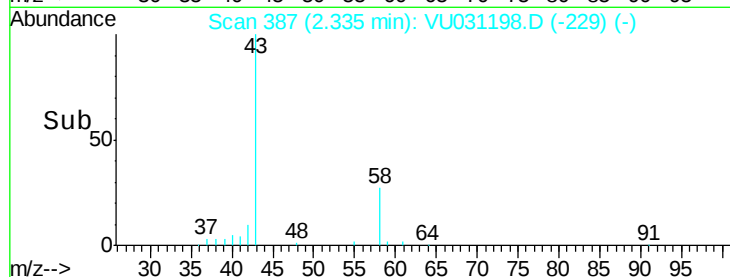
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.239 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031198.D

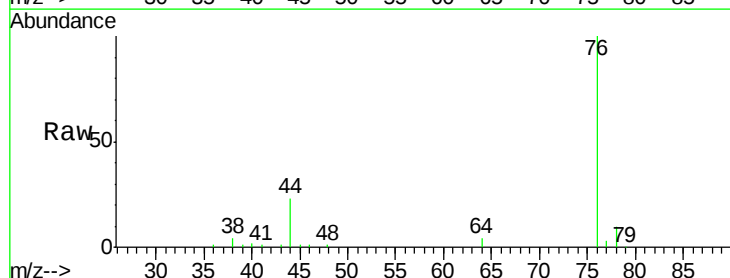
Acq: 15 Apr 2019 21:01

Tgt Ion: 76 Resp: 40246

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031198.D (-275) (-)

Ion 78.00 (77.70 to 78.70): VU031198.D (-275) (-)

2.48

30000

25000

20000

15000

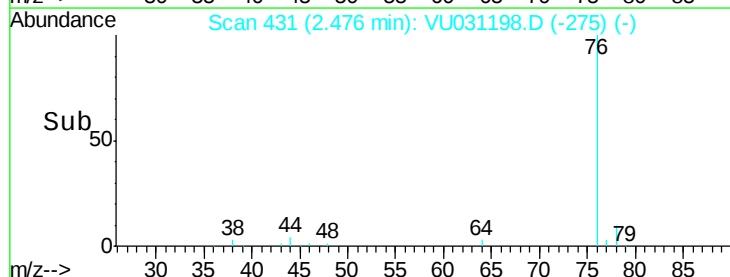
10000

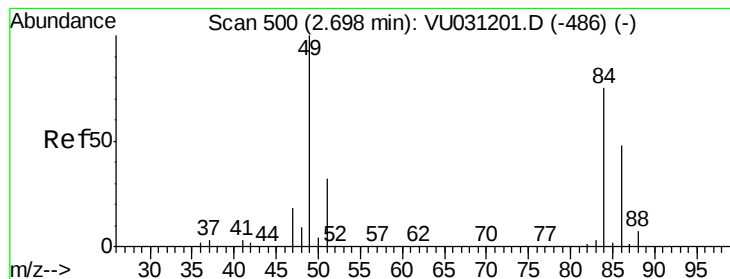
5000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methylene Chloride

Concen: 1.233 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 84 Resp: 14864

Ion Ratio Lower Upper

84 100

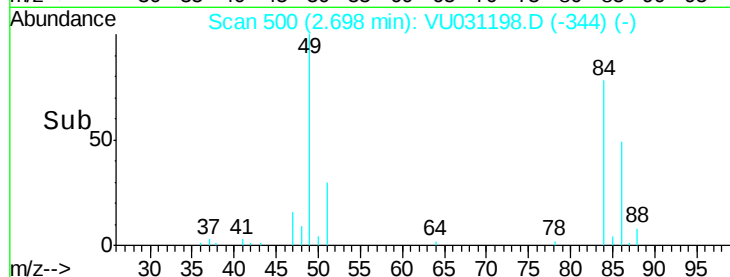
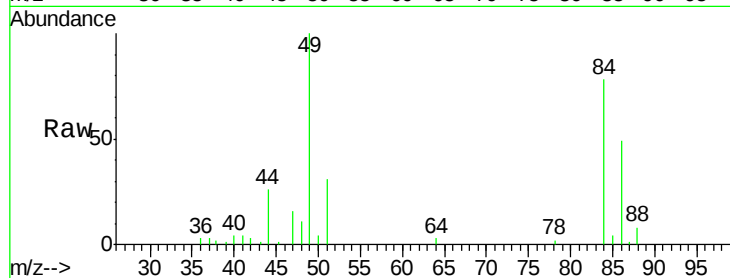
49 128.8 106.1 159.1

51 40.5 0.0 84.2

86 63.3 50.5 75.7

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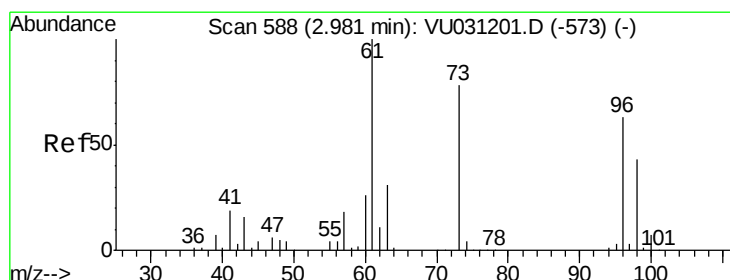
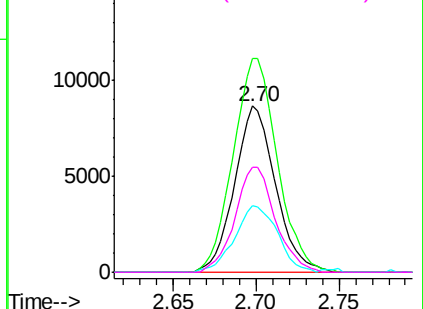


Abundance Ion 84.00 (83.70 to 84.70): VU031198.D (-344) (-)

Ion 49.00 (48.70 to 49.70): VU031198.D (-344) (-)

Ion 51.00 (50.70 to 51.70): VU031198.D (-344) (-)

Ion 86.00 (85.70 to 86.70): VU031198.D (-344) (-)



#16

trans-1,2-Dichloroethene

Concen: 1.221 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

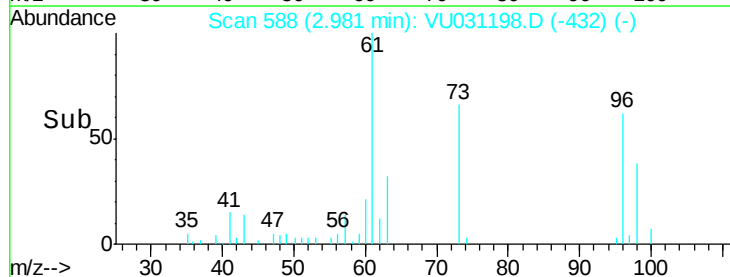
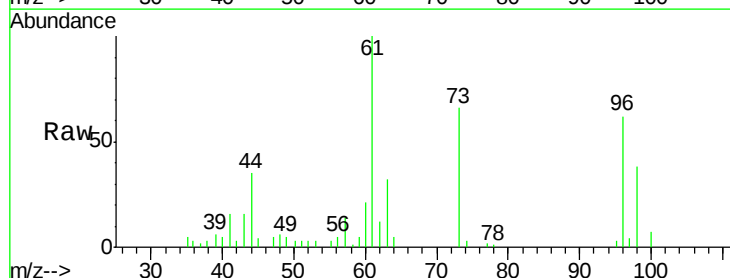
Tgt Ion: 96 Resp: 12214

Ion Ratio Lower Upper

96 100

61 162.1 126.6 189.8

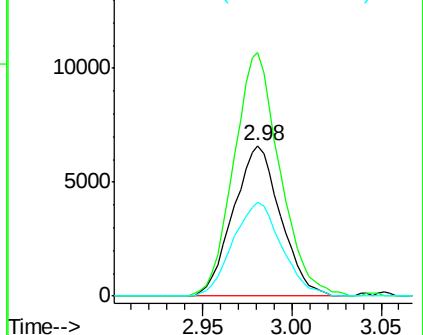
98 62.1 53.9 80.9

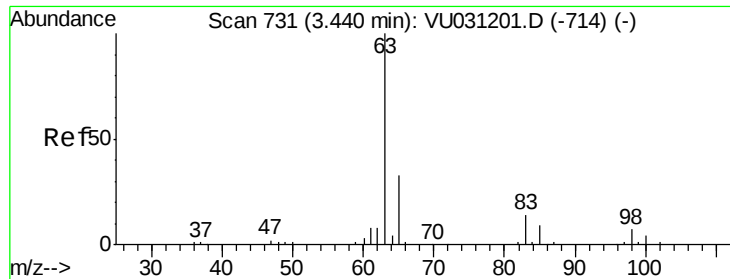


Abundance Ion 96.00 (95.70 to 96.70): VU031198.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VU031198.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VU031198.D (-432) (-)





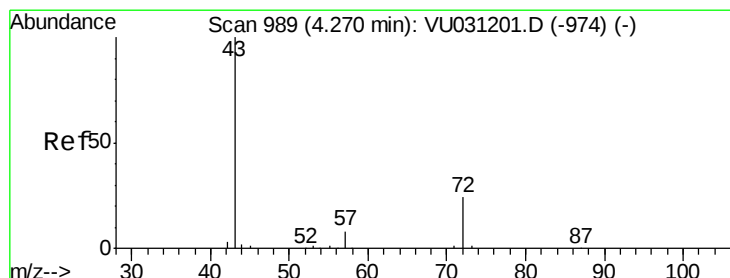
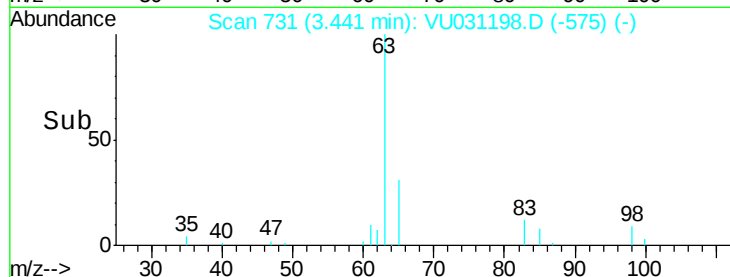
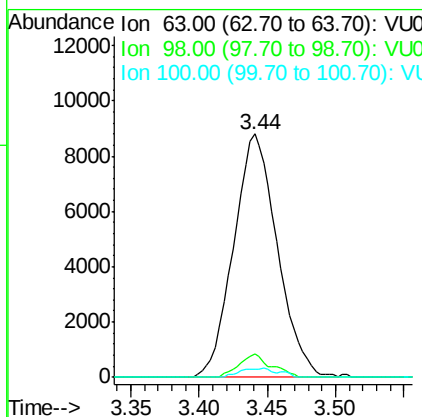
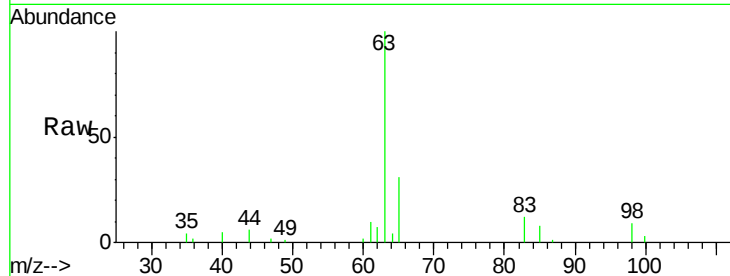
#17
 1,1-Dichloroethane
 Concen: 1.001 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	9.4	3.3	9.8
100	3.4	2.0	5.8

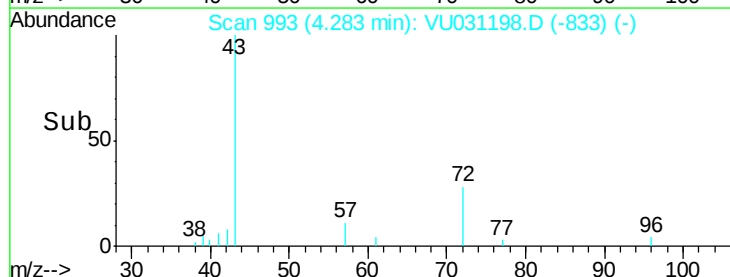
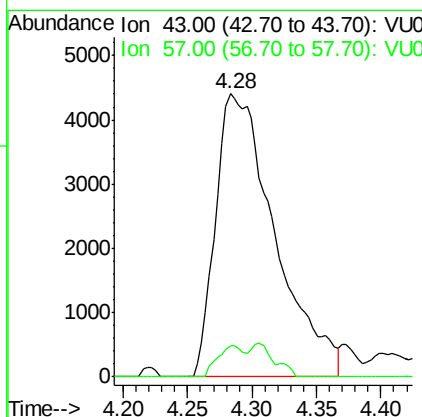
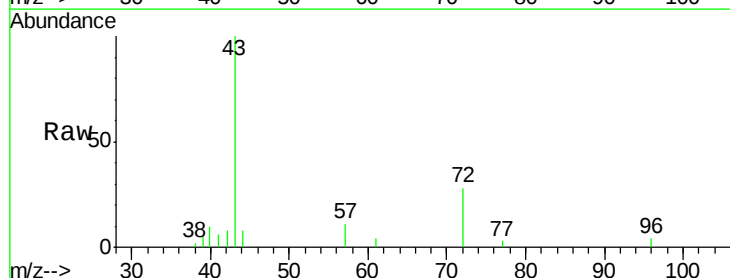
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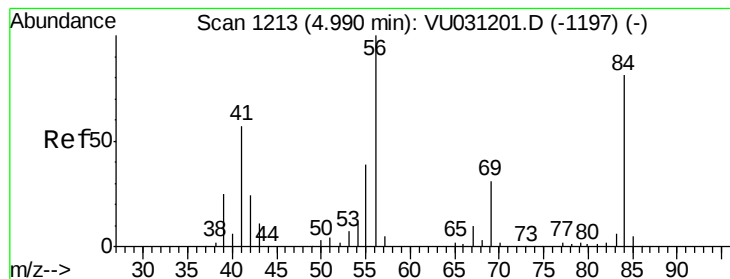
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#18
 2-Butanone
 Concen: 4.184 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	11.1	0.0	16.2





#19

Cyclohexane

Concen: 0.828 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 13075

Ion Ratio Lower Upper

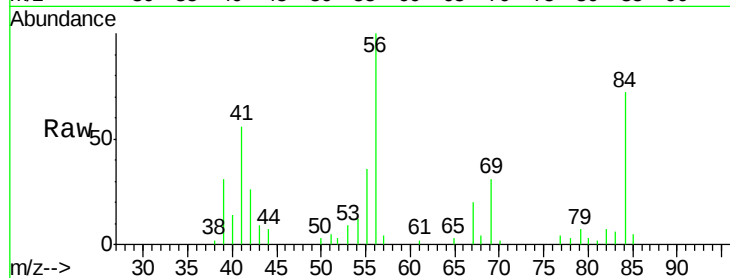
56 100

69 33.5 28.3 42.5

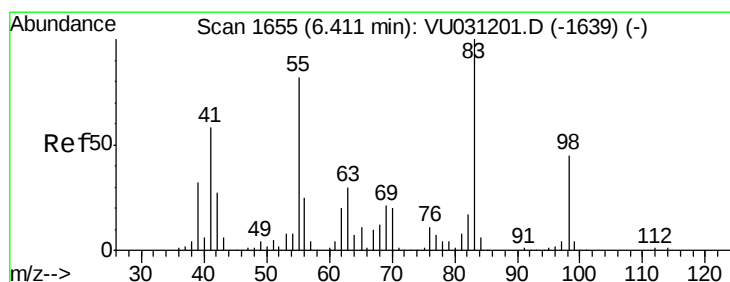
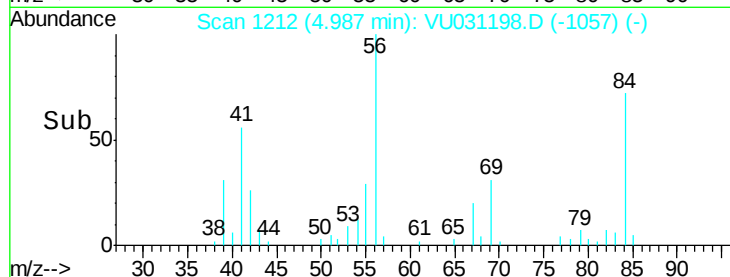
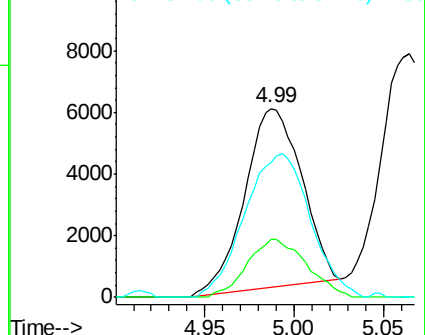
84 91.4 75.2 112.8

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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 0.904 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

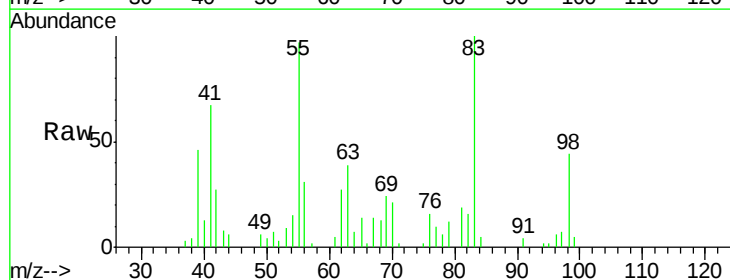
Tgt Ion: 83 Resp: 12388

Ion Ratio Lower Upper

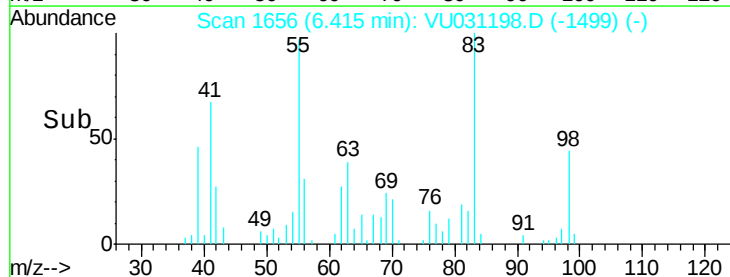
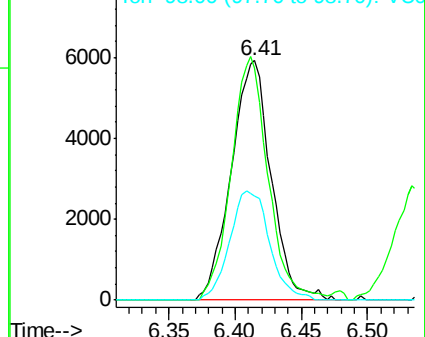
83 100

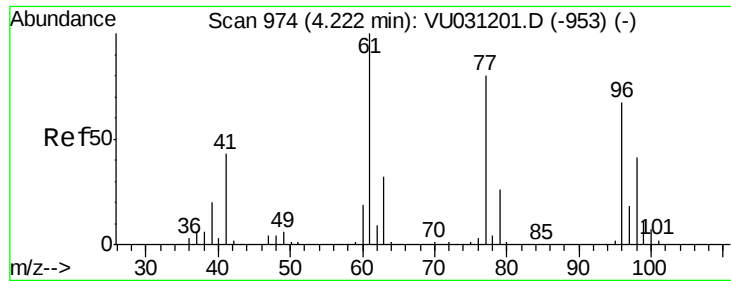
55 91.3 68.2 102.2

98 45.4 35.8 53.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 1.022 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 15453

Ion Ratio Lower Upper

77 100

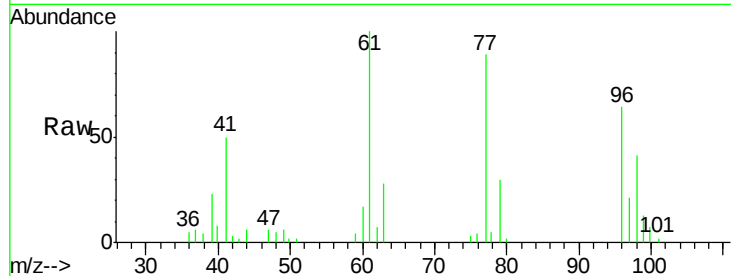
97 20.1 18.2 27.2

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Abundance Ion 77.00 (76.70 to 77.70): VU031201.D (-953) (-)

Ion 97.00 (96.70 to 97.70): VU031201.D (-953) (-)

4.22

6000

5000

4000

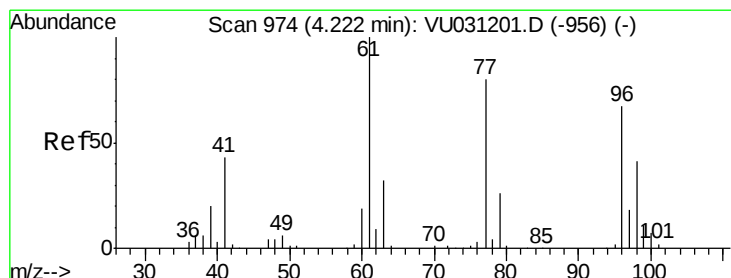
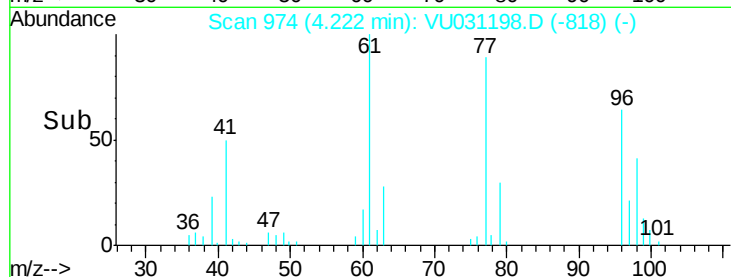
3000

2000

1000

0

Time--> 4.10 4.15 4.20 4.25 4.30



#22

cis-1,2-Dichloroethene

Concen: 1.085 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

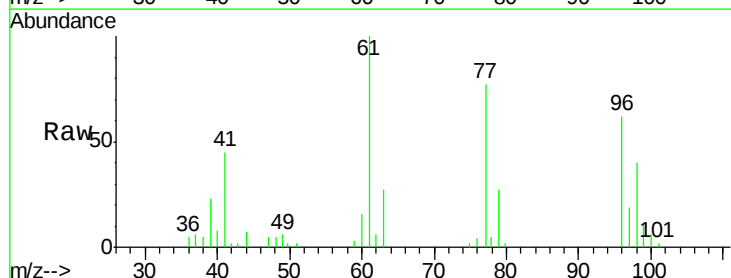
Tgt Ion: 96 Resp: 10959

Ion Ratio Lower Upper

96 100

61 146.7 0.0 380.0

98 61.2 32.3 96.9



Abundance Ion 96.00 (95.70 to 96.70): VU031198.D (-818) (-)

Ion 61.00 (60.70 to 61.70): VU031198.D (-818) (-)

Ion 98.00 (97.70 to 98.70): VU031198.D (-818) (-)

4.23

8000

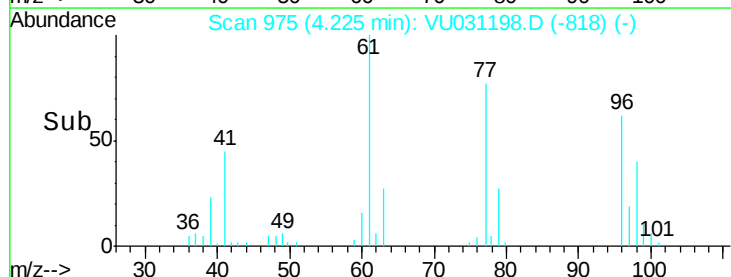
6000

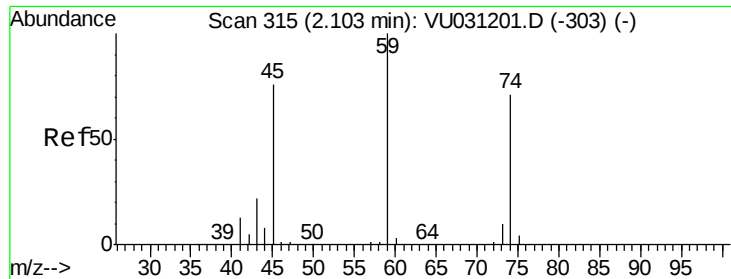
4000

2000

0

Time--> 4.15 4.20 4.25 4.30





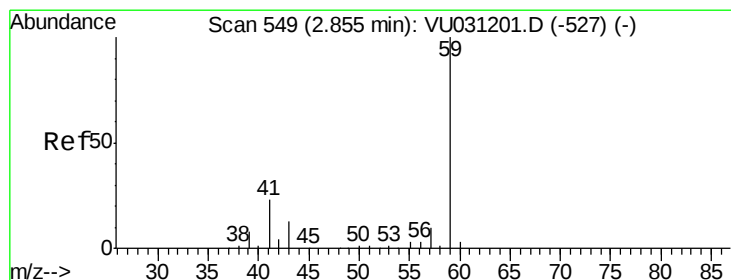
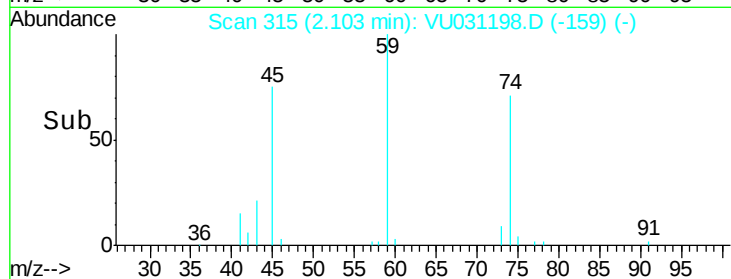
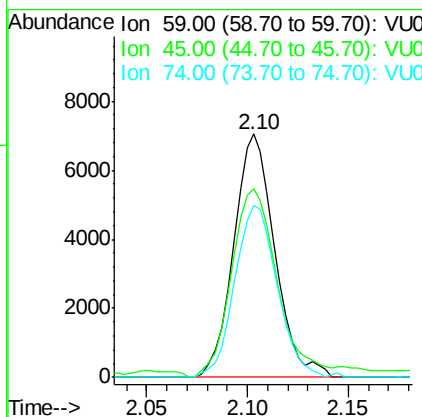
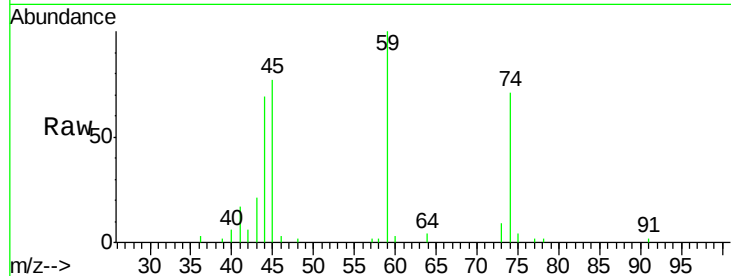
#23
Diethyl Ether
Concen: 1.128 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
45	90.2	61.8	92.6
74	73.1	55.8	83.8

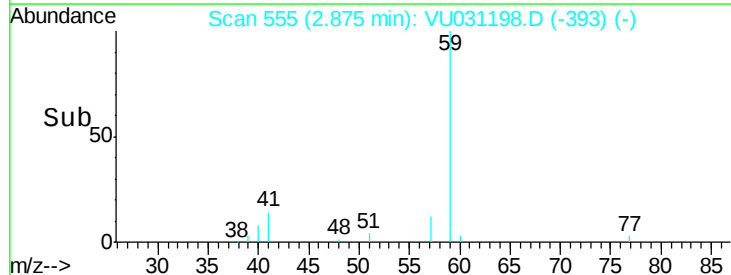
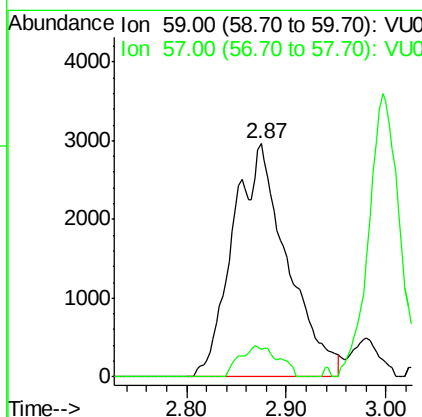
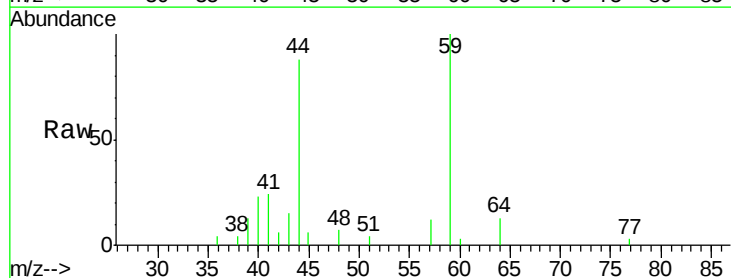
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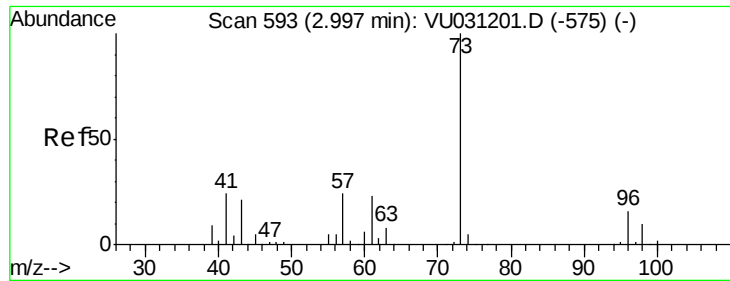
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#24
tert-Butyl Alcohol
Concen: 10.813 ug/l m
RT: 2.87 min Scan# 555
Delta R.T. 0.02 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#





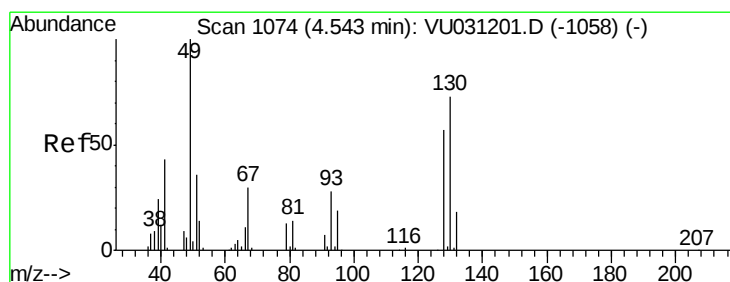
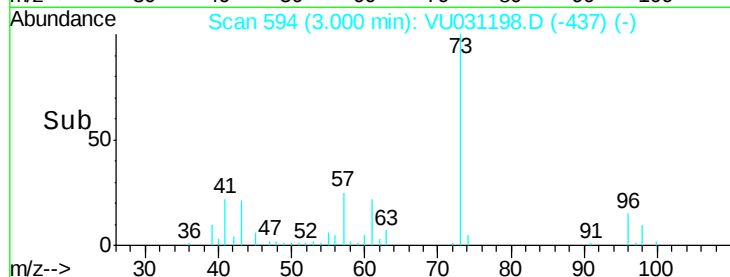
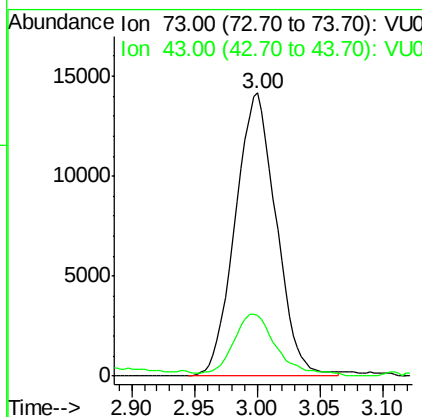
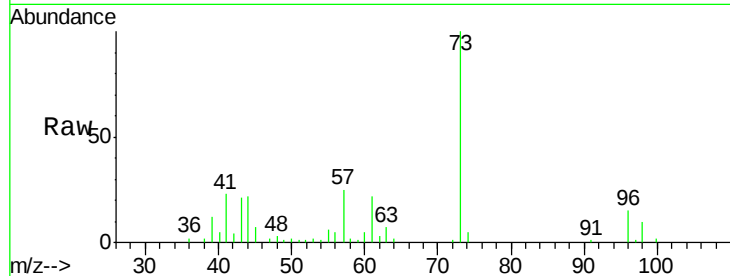
#25
Methvl tert-Butvl Ether
Concen: 1.166 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 32221
Ion Ratio Lower Upper
73 100
43 23.3 16.2 24.4

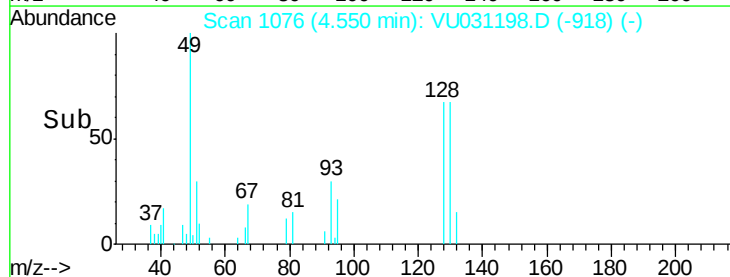
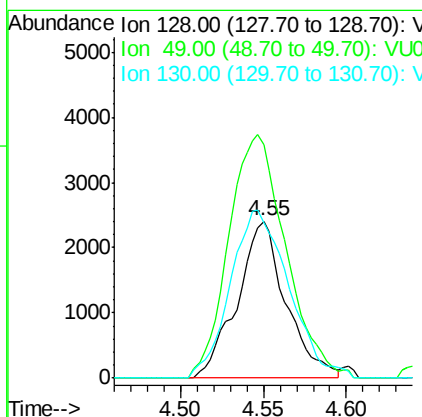
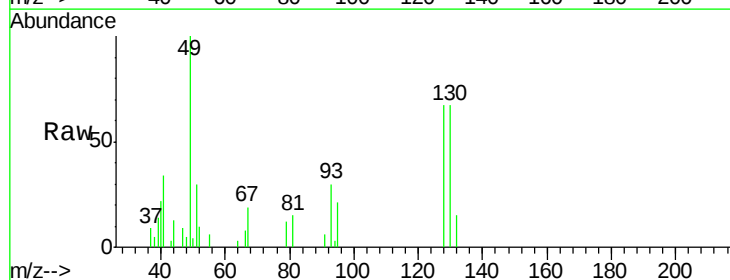
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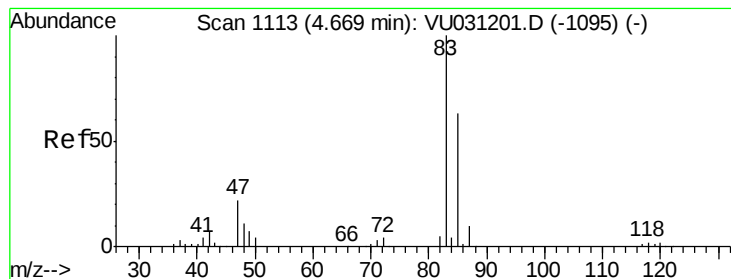
MMDadoda
4/16/2019 3:23:11 PM



#26
Bromochloromethane
Concen: 1.123 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion: 128 Resp: 4913
Ion Ratio Lower Upper
128 100
49 181.5 0.0 345.8
130 129.0 103.4 155.2





#27

Chloroform

Concen: 1.065 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 19749

Ion Ratio Lower Upper

83 100

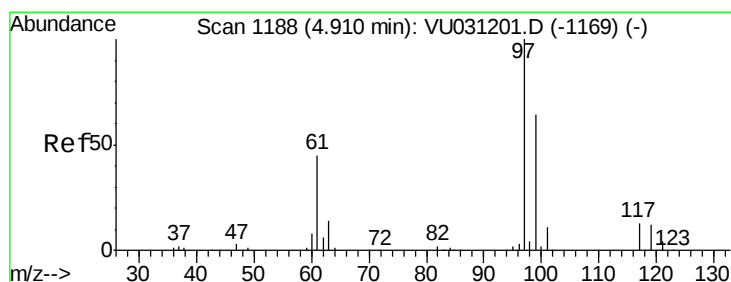
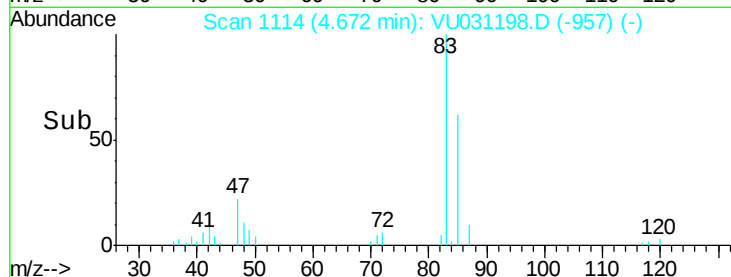
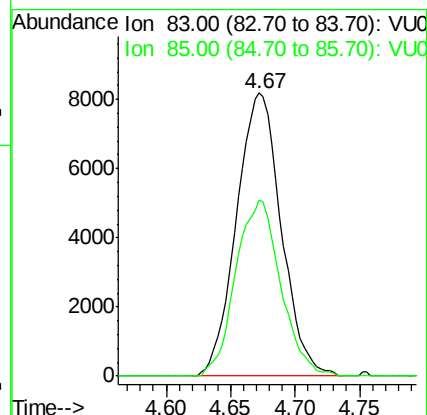
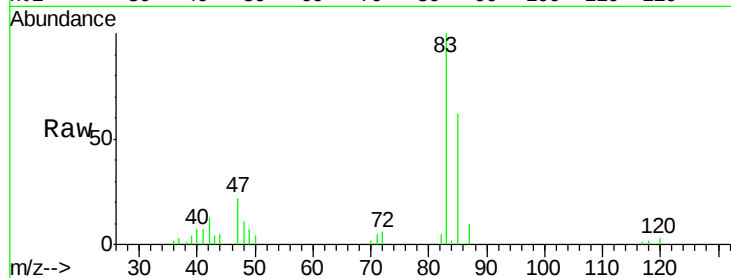
85 61.9 0.0 126.6

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 1.077 ug/l

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

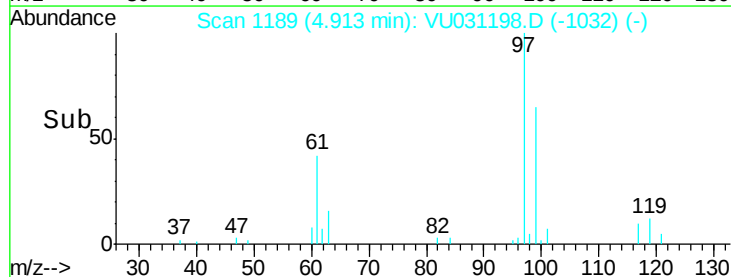
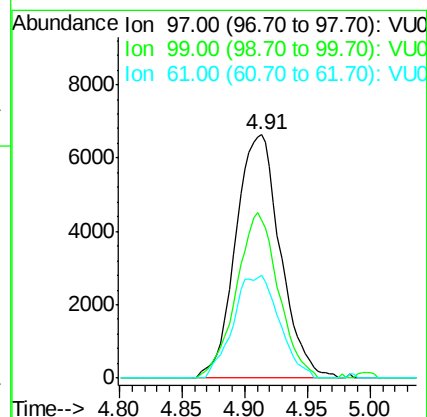
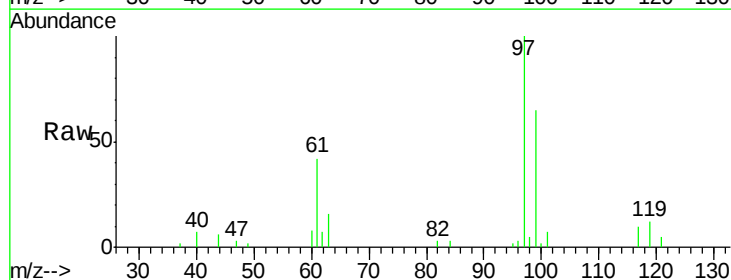
Tgt Ion: 97 Resp: 16444

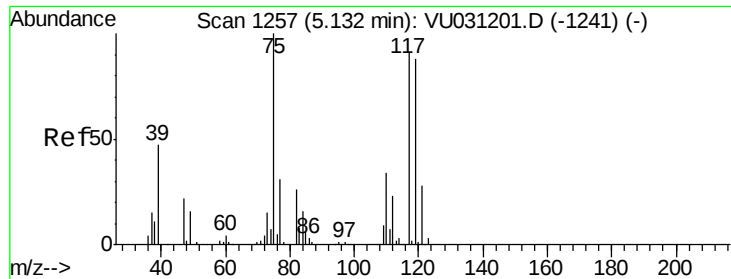
Ion Ratio Lower Upper

97 100

99 63.8 32.0 96.0

61 43.3 22.2 66.6





#29

1,1-Dichloropropene

Concen: 1.034 ug/l

RT: 5.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

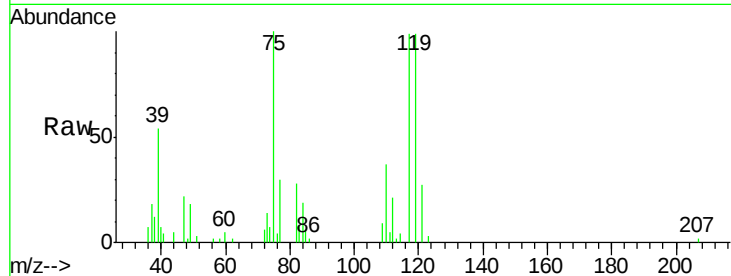
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	13822
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.2	51.5
77	27.9	24.9	37.3

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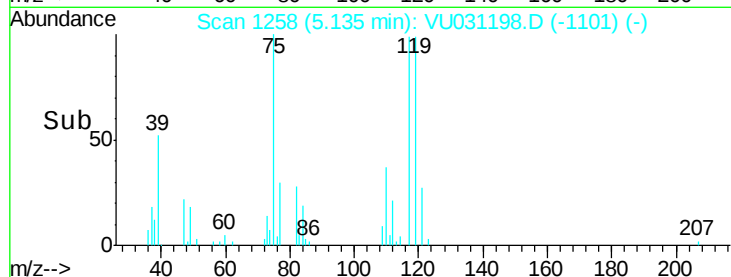


Abundance Ion 75.00 (74.70 to 75.70): VU031198.D (-1101) (-)

Ion 110.00 (109.70 to 110.70): VU031198.D (-1101) (-)

Ion 77.00 (76.70 to 77.70): VU031198.D (-1101) (-)

Time-->



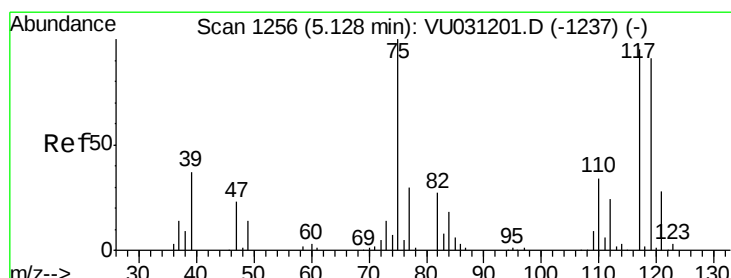
Abundance

Ion 75.00 (74.70 to 75.70): VU031198.D (-1101) (-)

Ion 110.00 (109.70 to 110.70): VU031198.D (-1101) (-)

Ion 77.00 (76.70 to 77.70): VU031198.D (-1101) (-)

Time-->



#30

Carbon Tetrachloride

Concen: 1.106 ug/l

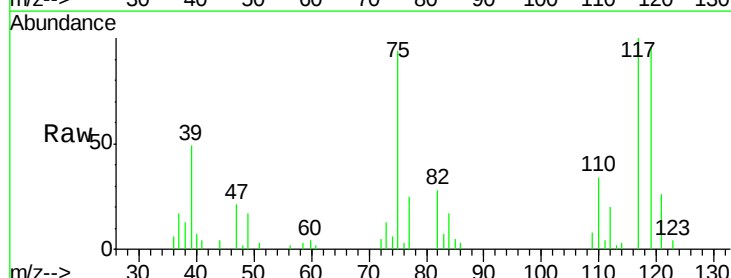
RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Tgt Ion:	117	Resp:	14743
Ion Ratio	Lower	Upper	
117	100		
119	96.5	76.2	114.4
121	26.1	23.8	35.8

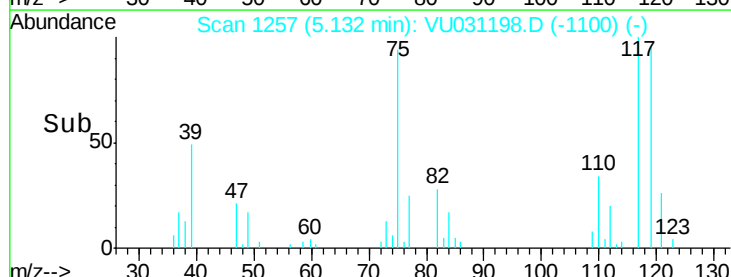


Abundance Ion 117.00 (116.70 to 117.70): VU031198.D (-1100) (-)

Ion 119.00 (118.70 to 119.70): VU031198.D (-1100) (-)

Ion 121.00 (120.70 to 121.70): VU031198.D (-1100) (-)

Time-->



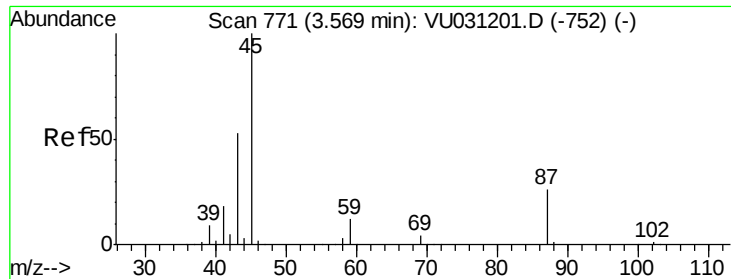
Abundance

Ion 117.00 (116.70 to 117.70): VU031198.D (-1100) (-)

Ion 119.00 (118.70 to 119.70): VU031198.D (-1100) (-)

Ion 121.00 (120.70 to 121.70): VU031198.D (-1100) (-)

Time-->



#31

Isopropyl Ether

Concen: 0.916 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 29130

Ion Ratio Lower Upper

45 100

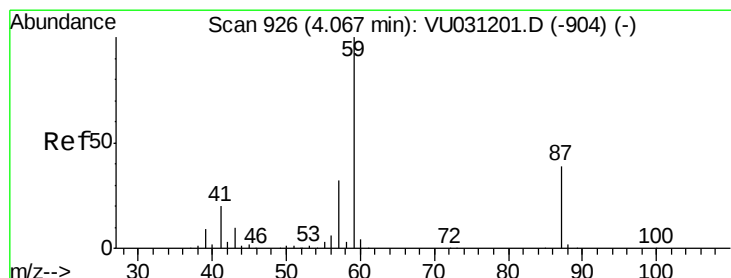
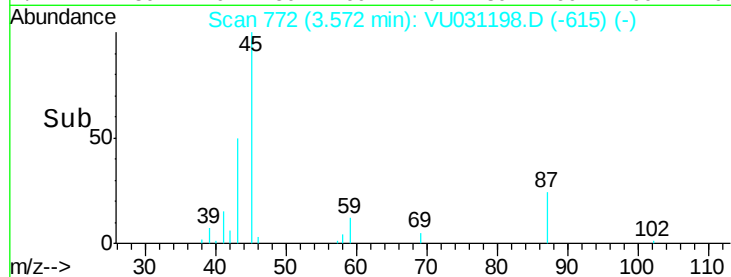
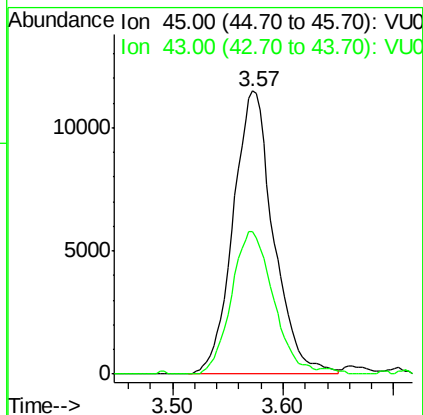
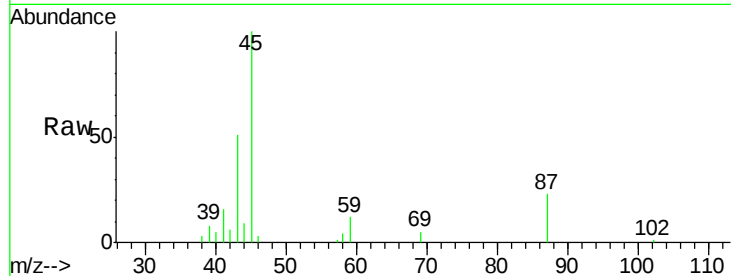
43 52.1 26.4 79.2

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#32

Ethyl-t-butyl ether

Concen: 0.935 ug/l

RT: 4.07 min Scan# 926

Delta R.T. 0.00 min

Lab File: VU031198.D

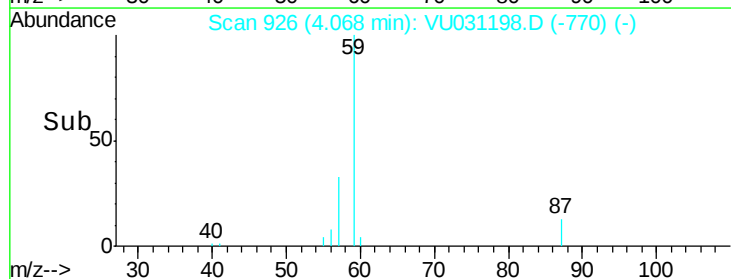
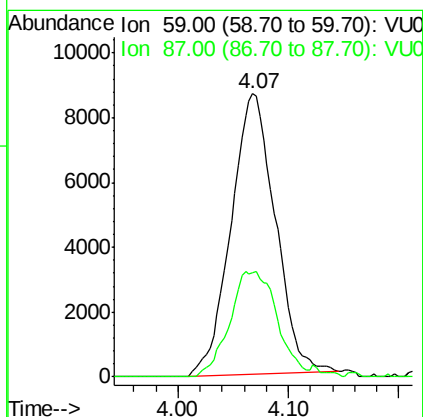
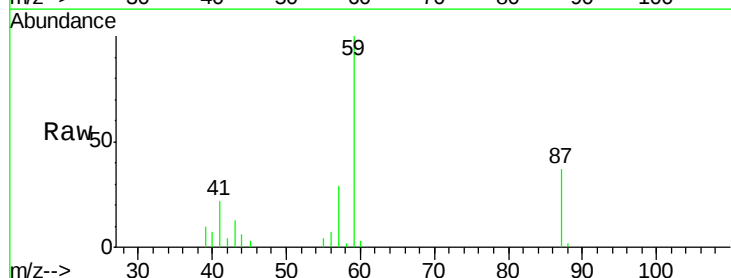
Acq: 15 Apr 2019 21:01

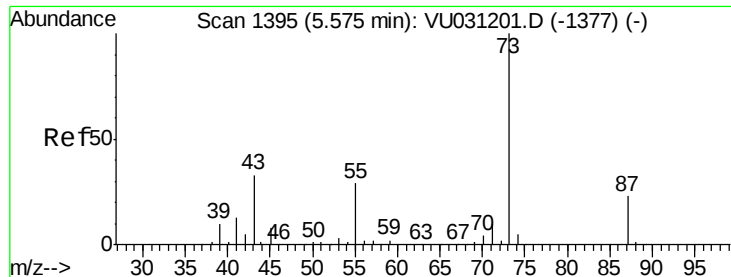
Tgt Ion: 59 Resp: 24168

Ion Ratio Lower Upper

59 100

87 37.1 32.2 48.2





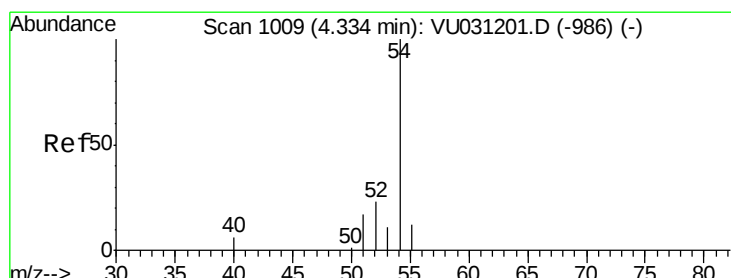
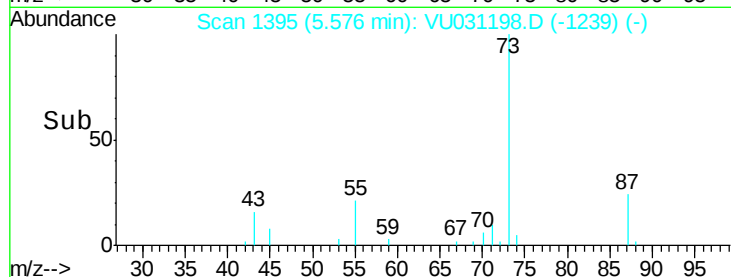
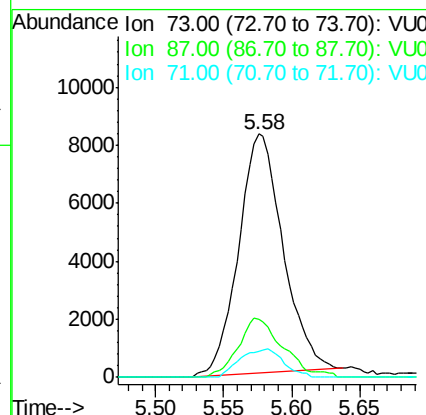
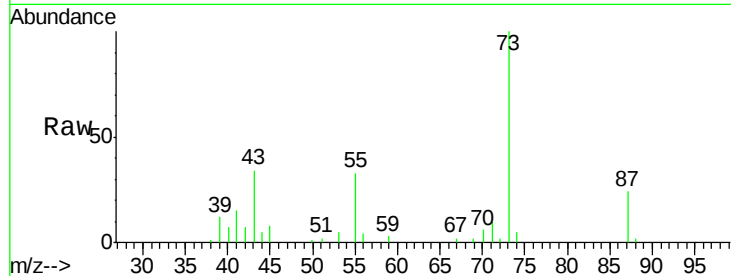
#33
Tert-Butyl methyl ether
Concen: 0.858 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.9	18.4	27.6
71	11.6	8.8	13.2

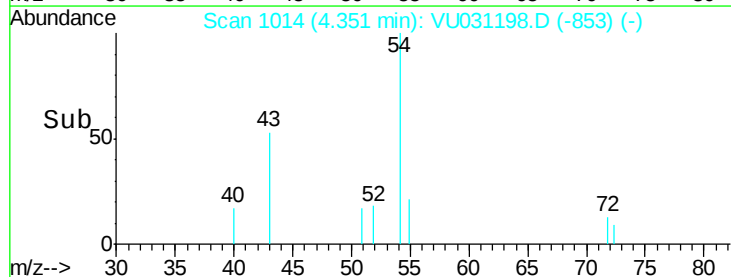
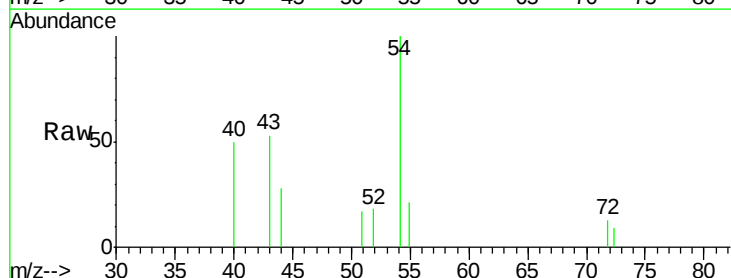
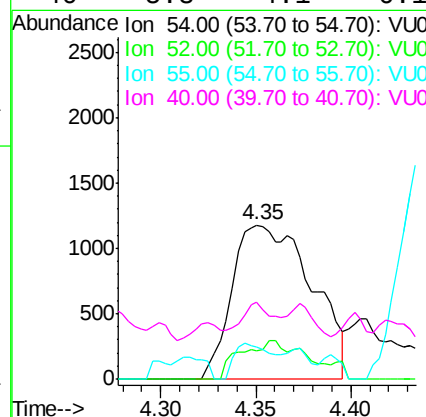
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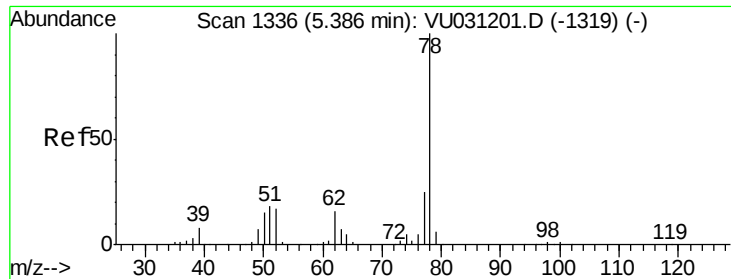
MMDadoda
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#34
Propionitrile
Concen: 4.116 ug/l m
RT: 4.35 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
54	100		
52	13.7	15.9	23.9#
55	10.0	8.9	13.3
40	5.8	4.1	6.1





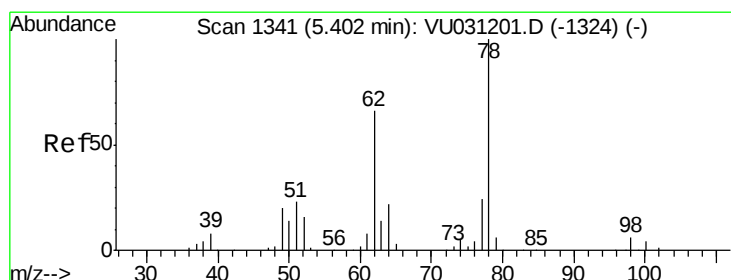
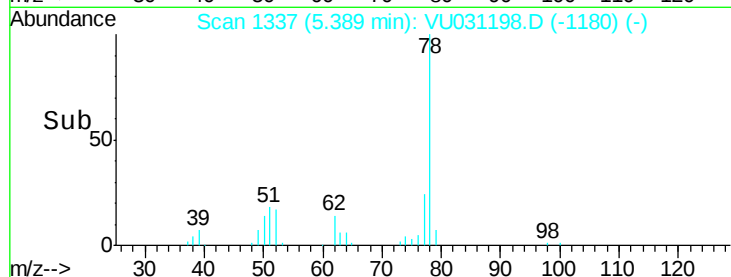
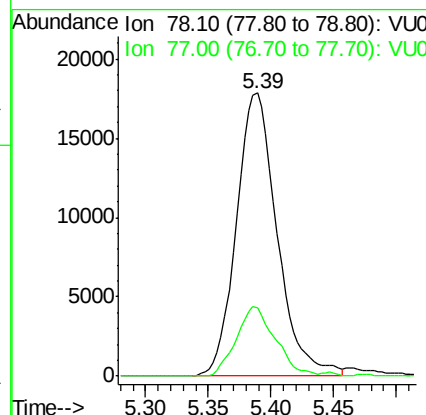
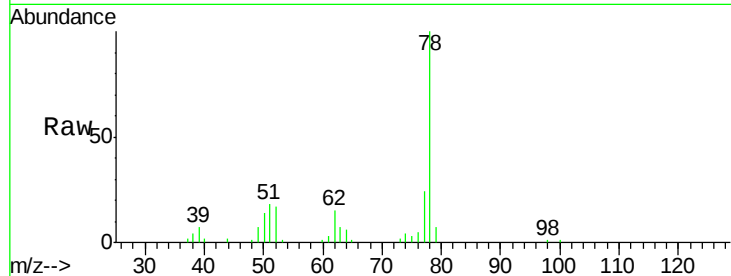
#35
Benzene
Concen: 1.015 ug/l
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	78	Resp	40268
Ion Ratio	100	Lower	Upper
77	24.3	19.6	29.4

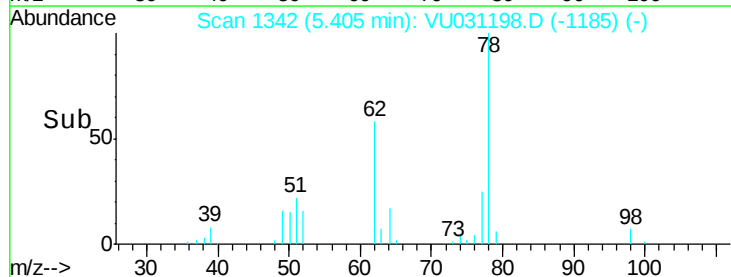
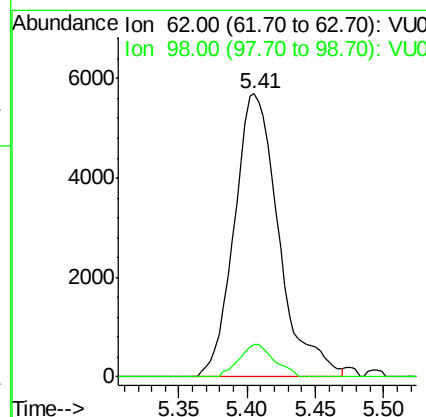
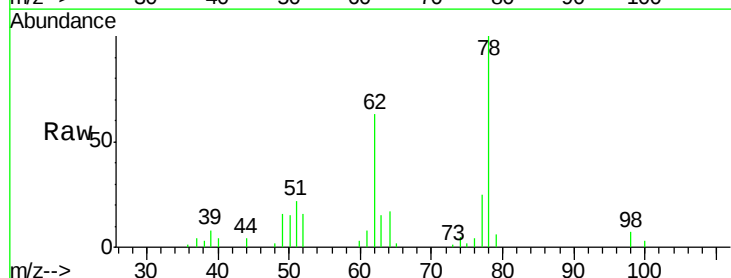
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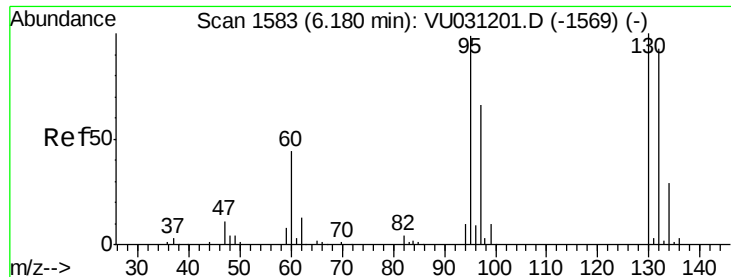
MMDadoda
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#36
1,2-Dichloroethane
Concen: 1.024 ug/l
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	62	Resp	12924
Ion Ratio	100	Lower	Upper
98	9.1	7.0	10.6





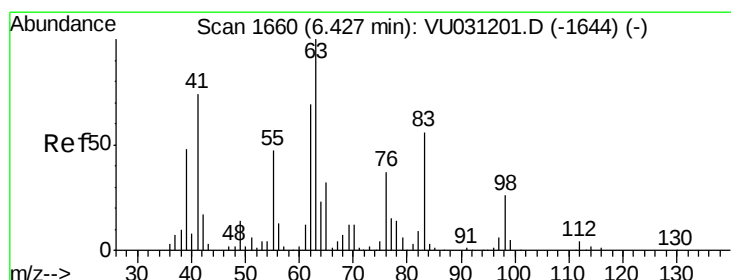
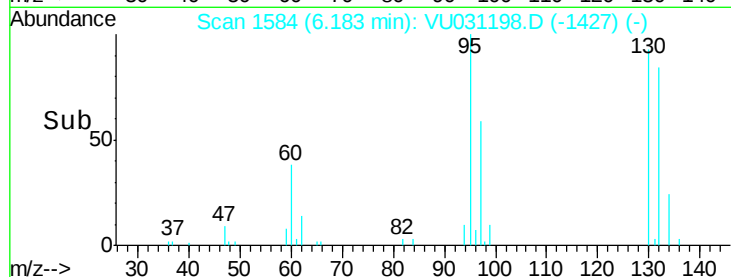
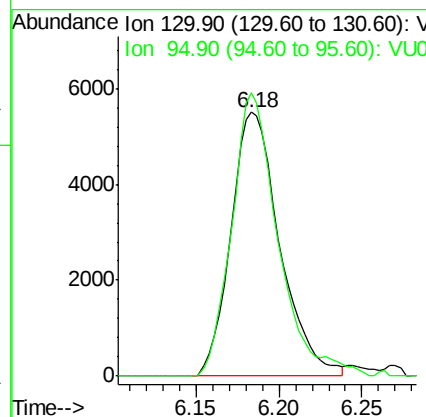
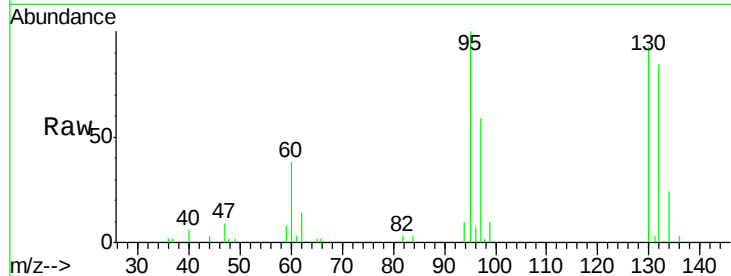
#37
 Trichloroethene
 Concen: 1.168 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 11285
 Ion Ratio Lower Upper
 130 100
 95 107.3 79.3 118.9

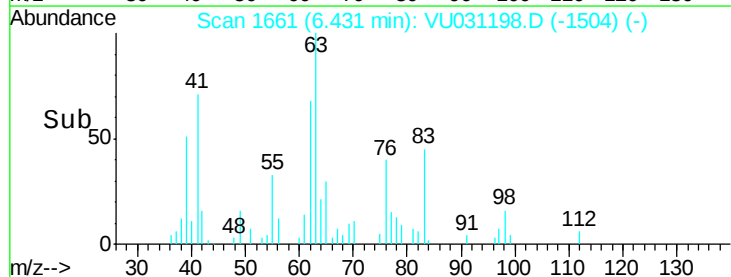
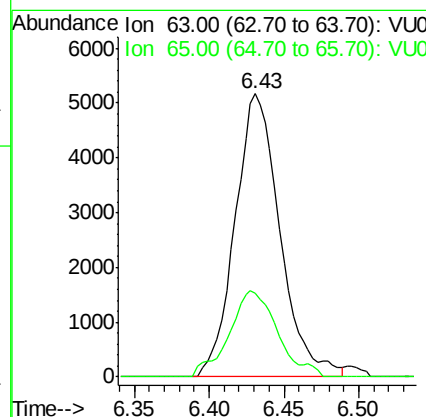
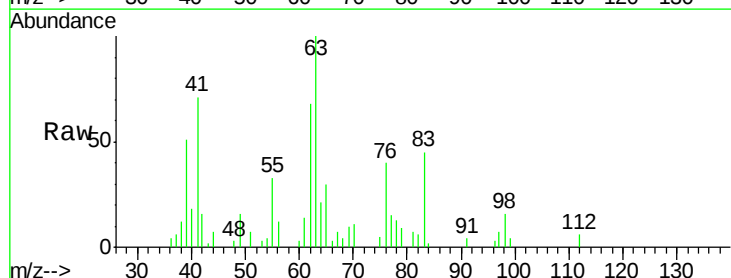
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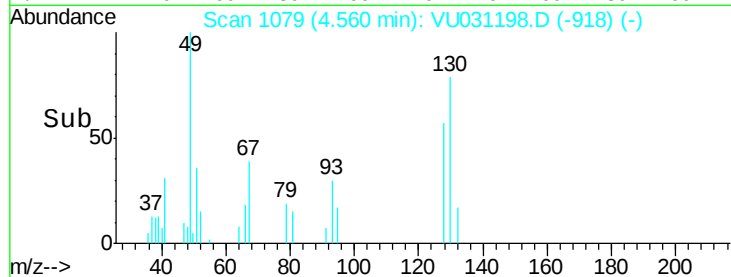
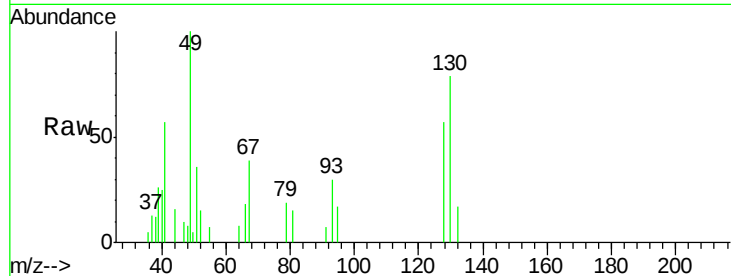
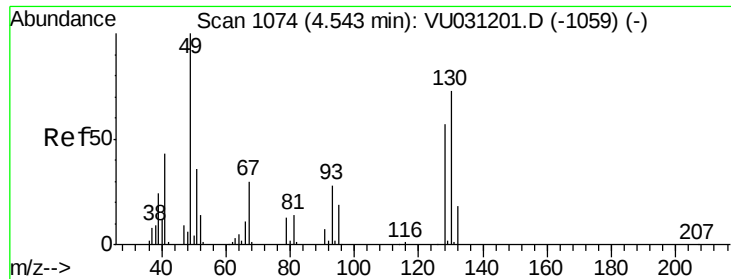
MMDadoda
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#38
 1,2-Dichloropropane
 Concen: 0.956 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion: 63 Resp: 10822
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.5 38.3





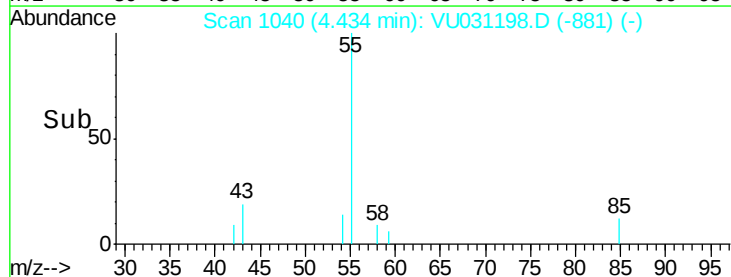
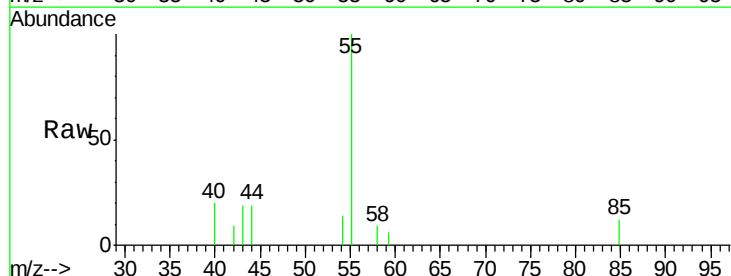
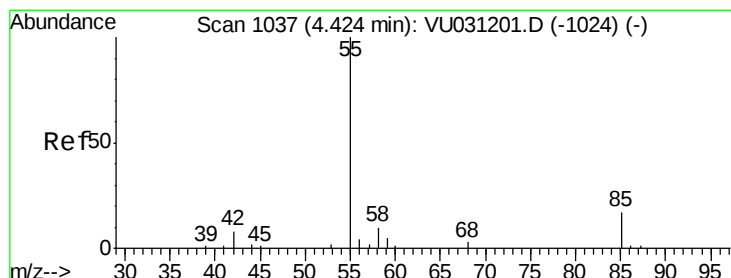
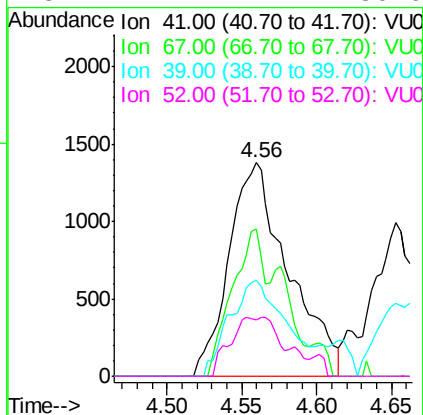
#39
Methacrylonitrile
Concen: 0.923 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.02 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tot Ion	Ratio	Lower	Upper
41	100		
67	39.4	59.7	89.5#
39	42.5	42.2	63.2
52	12.7	24.4	36.6#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

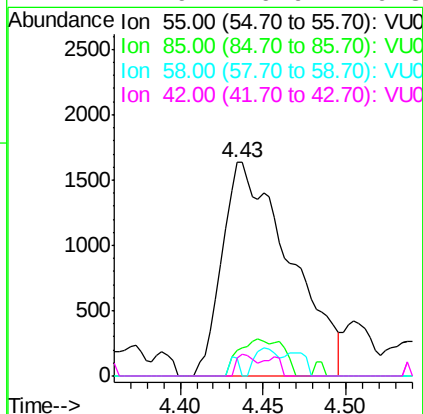
Manual Integrations
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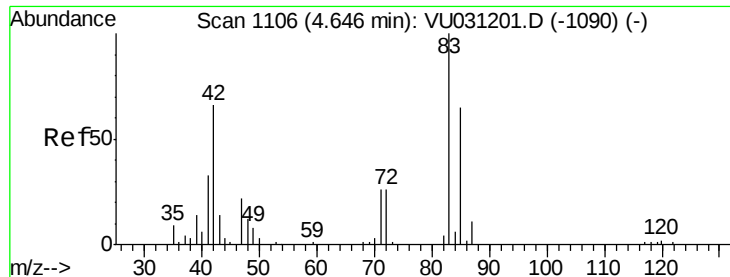
MMDadoda
4/16/2019 3:23:11 PM



#40
Methyl acrylate
Concen: 0.912 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.2	18.2#
58	1.2	7.0	10.6#
42	2.9	6.9	10.3#





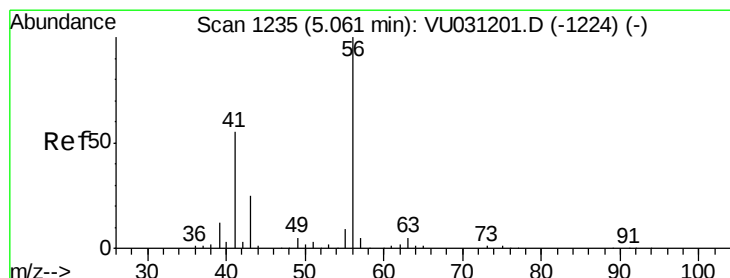
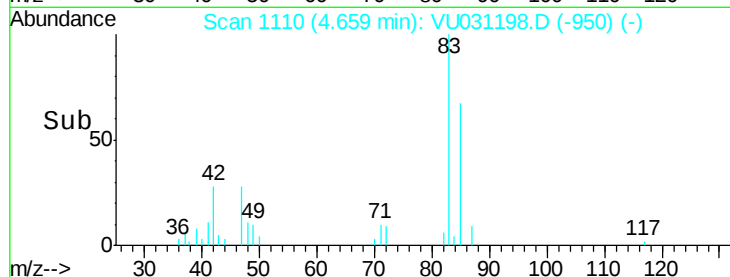
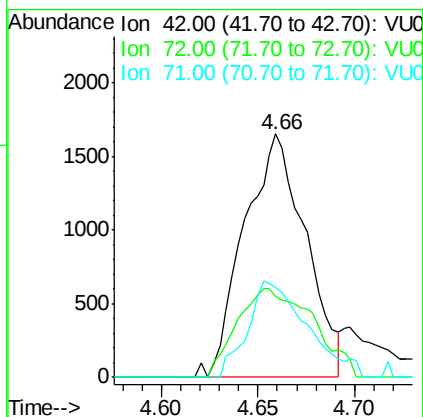
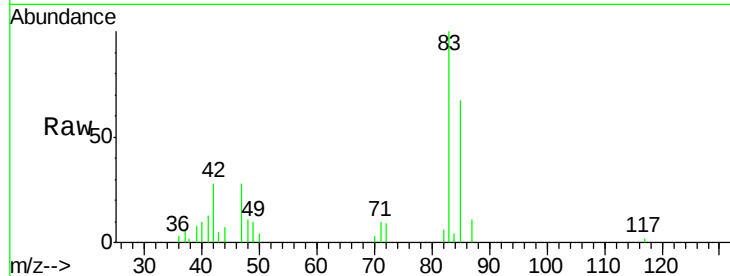
#41
Tetrahydrofuran
Concen: 1.645 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.4	51.6
71	38.2	32.0	48.0

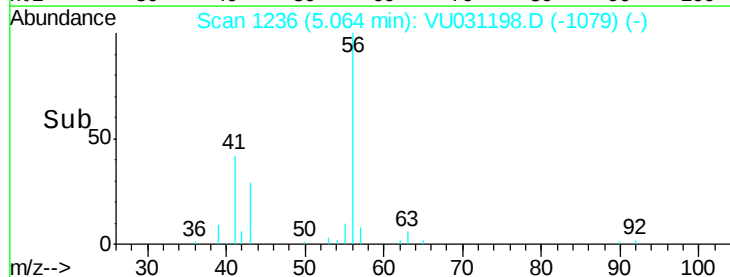
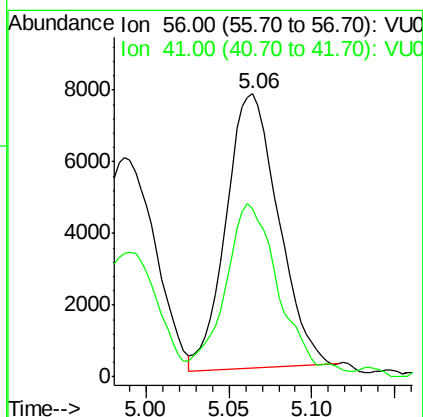
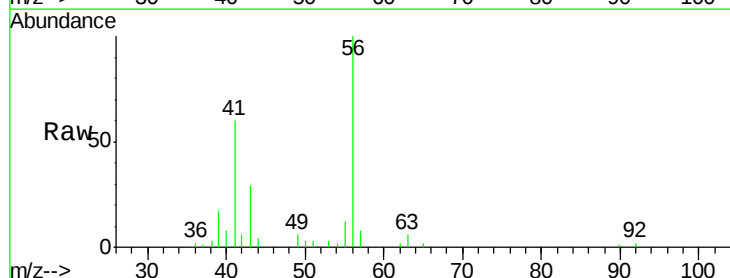
Manual Integrations
APPROVED

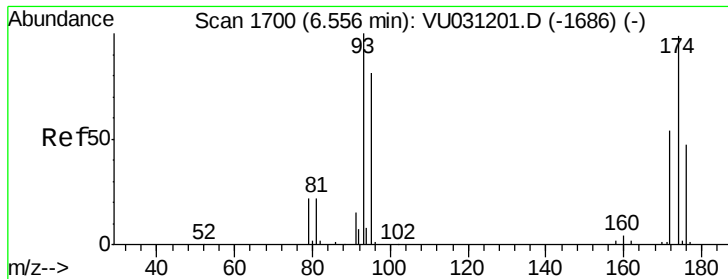
MMDadoda
4/16/2019 3:23:11 PM



#42
1-Chlorobutane
Concen: 0.825 ug/l
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
56	100		
41	65.9	27.3	81.9





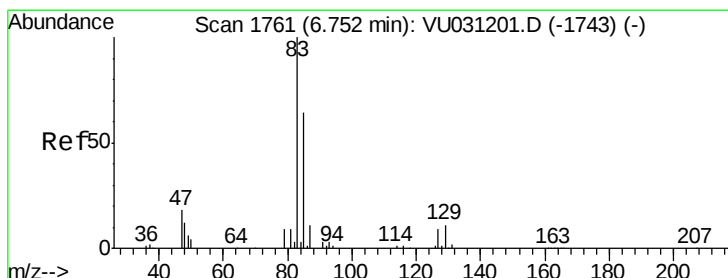
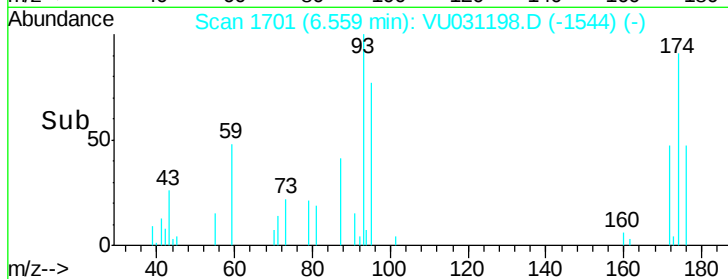
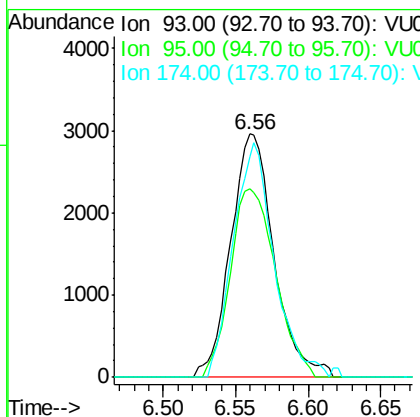
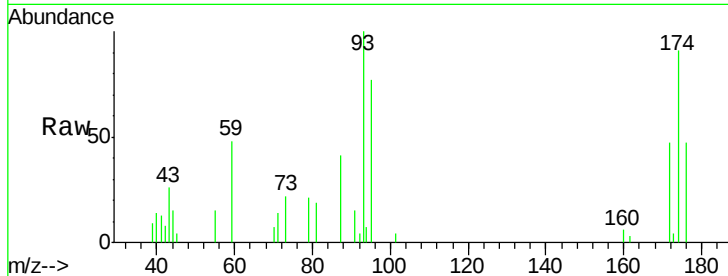
#43
Dibromomethane
Concen: 1.158 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		6149		
95	80.8	67.4	101.0		
174	90.7	79.1	118.7		

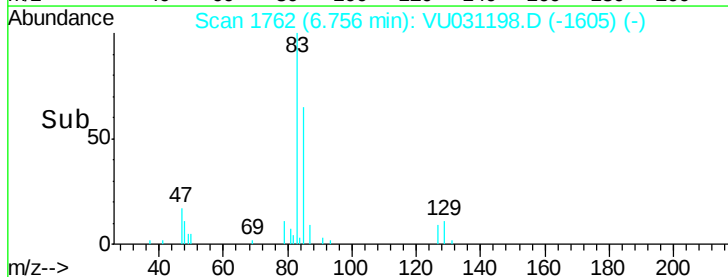
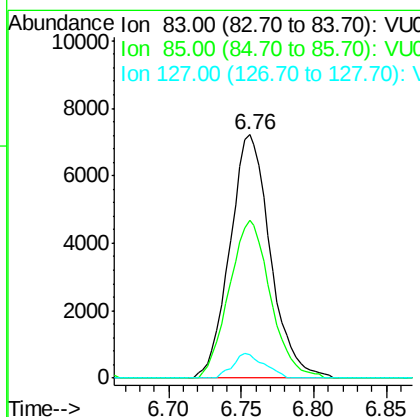
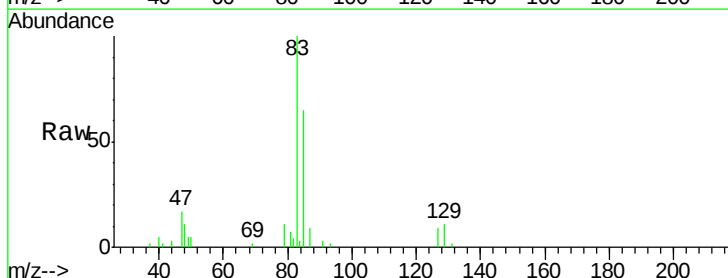
Manual Integrations
APPROVED

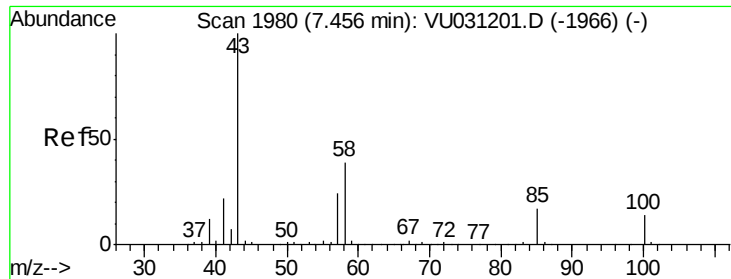
MMDadoda
4/16/2019 3:23:11 PM



#44
Bromodichloromethane
Concen: 1.007 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		13964		
85	64.7	51.0	76.6		
127	9.4	7.4	11.0		





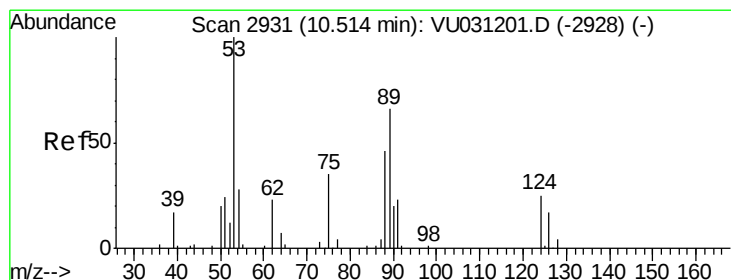
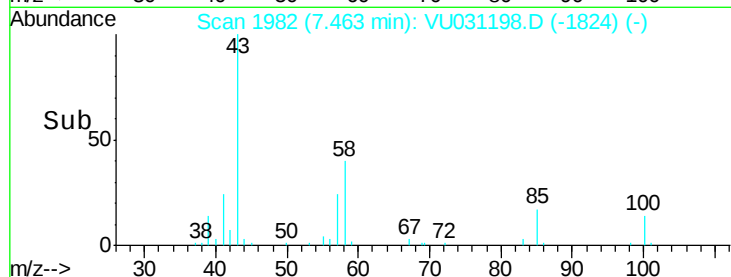
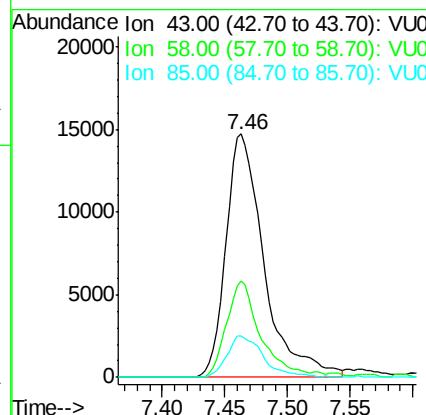
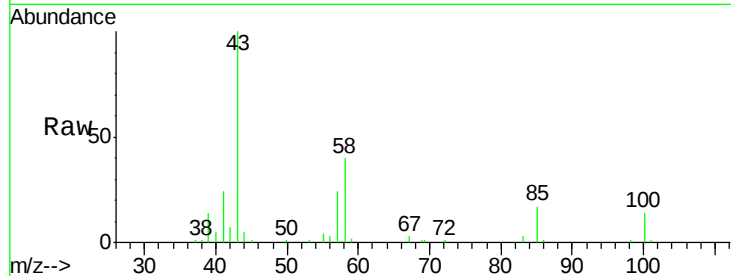
#45
4-Methyl-2-Pentanone
Concen: 4.132 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	19.4	58.2
85	16.2	13.2	19.8

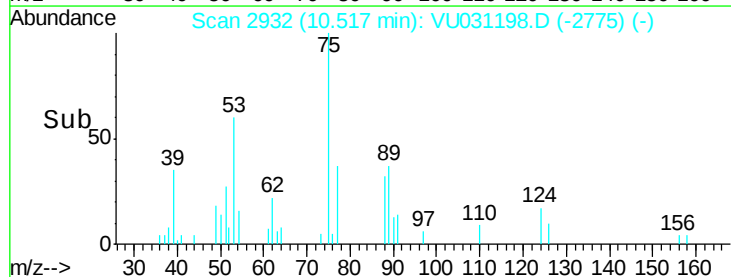
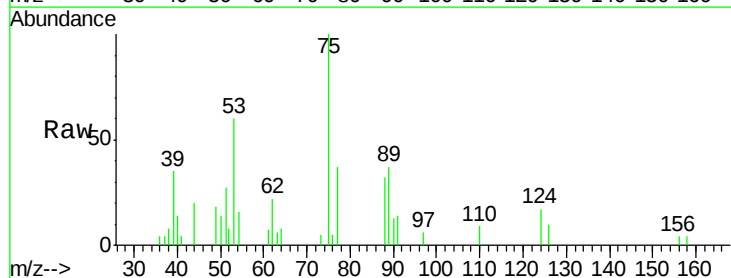
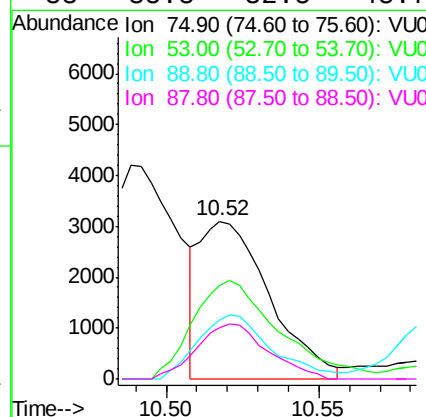
Manual Integrations
APPROVED

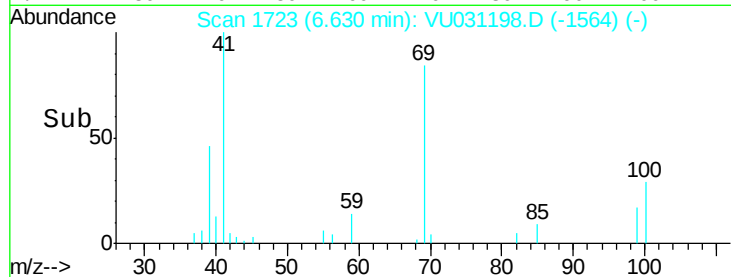
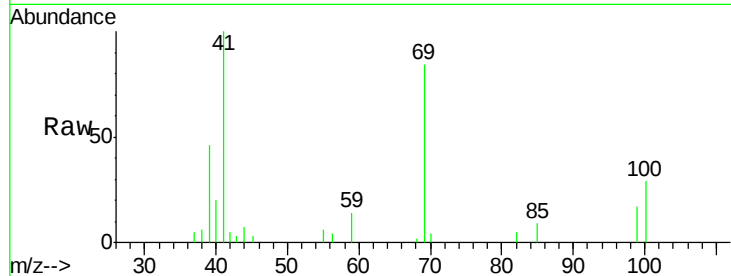
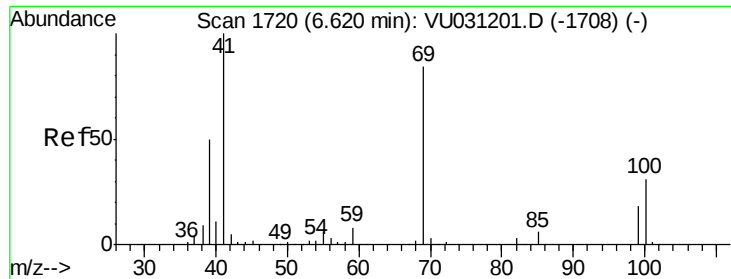
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4/16/2019 3:23:11 PM



#46
t-1,4-Dichloro-2-butene
Concen: 1.882 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	77.7	65.2	97.8
89	43.0	43.0	64.4
88	35.8	32.5	48.7





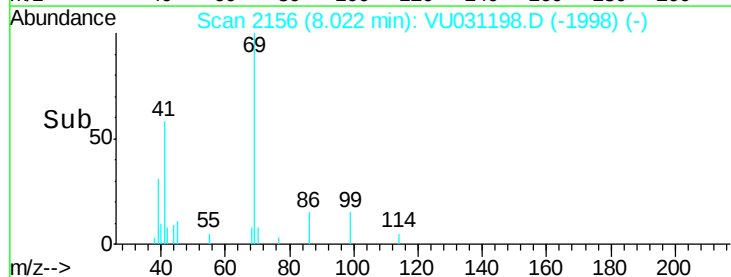
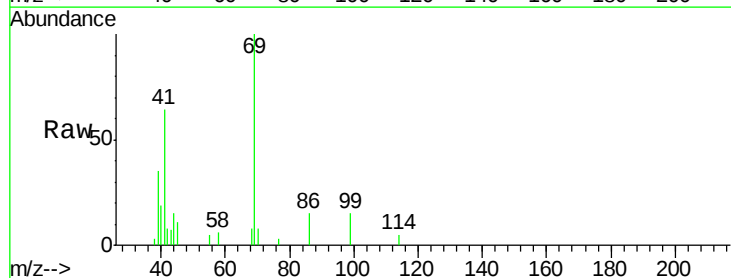
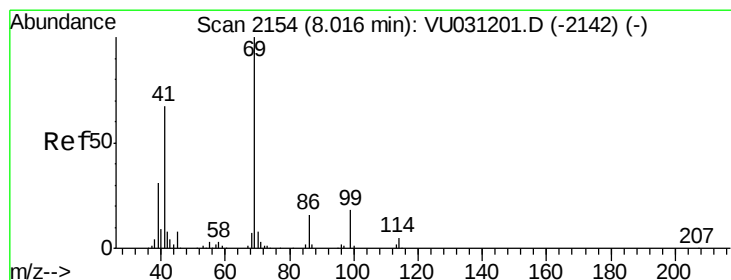
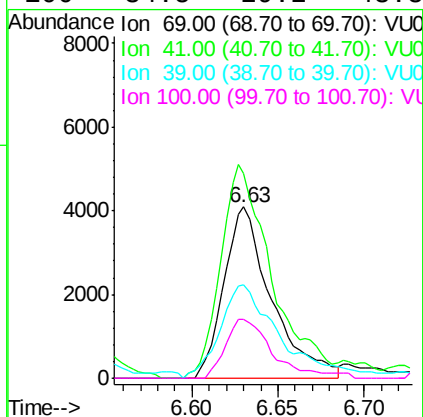
#47
Methyl methacrylate
Concen: 1.624 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tot Ion	Ratio	Lower	Upper
69	100		
41	133.7	0.0	237.2
39	69.3	47.4	71.2
100	34.5	29.2	43.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

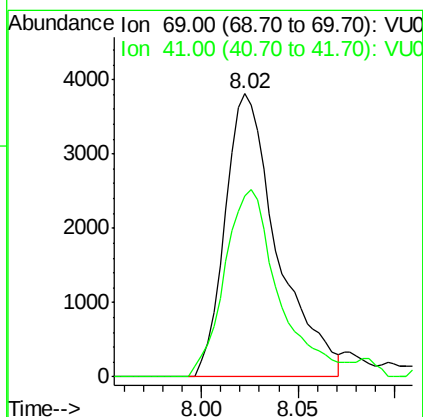
Manual Integrations
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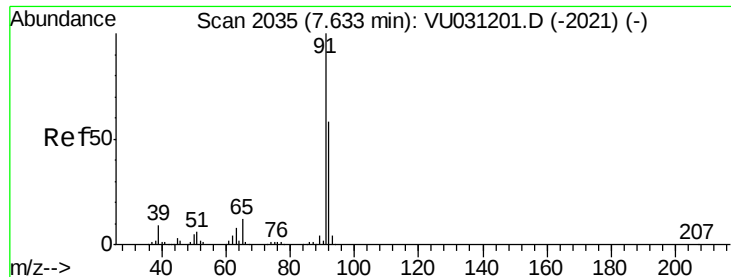
MMDadoda
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#48
Ethyl methacrylate
Concen: 0.790 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.3	32.5	97.5





#49

Toluene

Concen: 0.935 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 20257

Ion Ratio Lower Upper

92 100

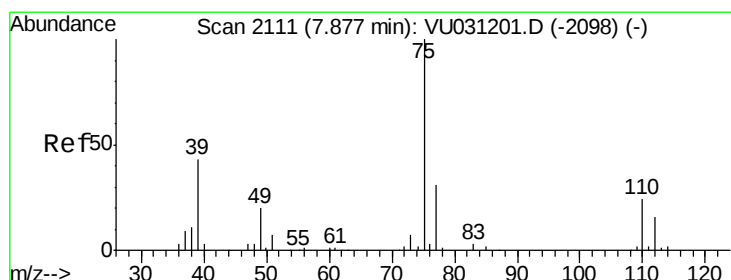
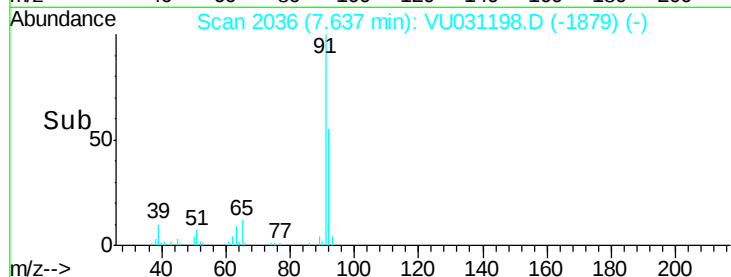
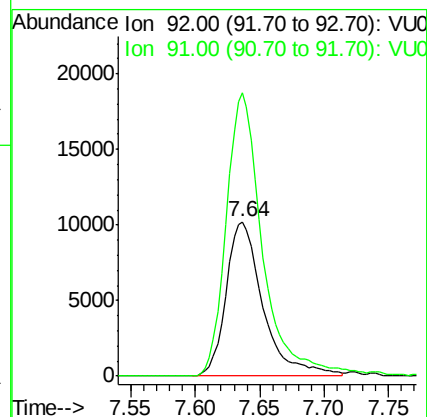
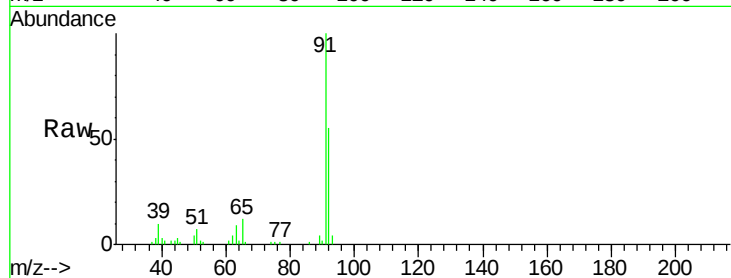
91 181.1 140.2 210.4

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.968 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031198.D

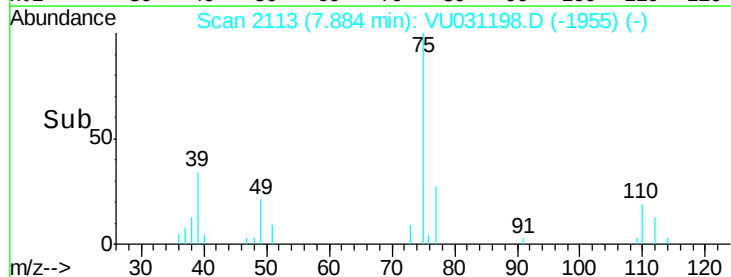
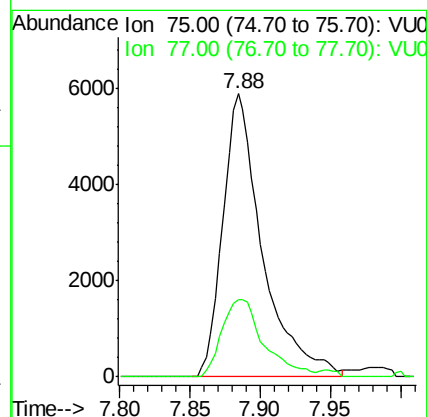
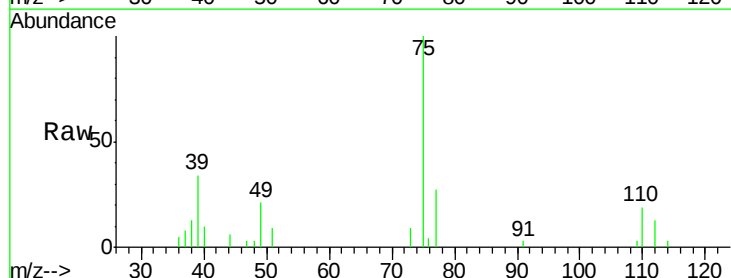
Acq: 15 Apr 2019 21:01

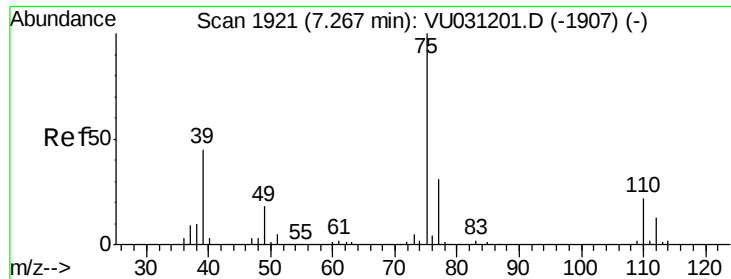
Tgt Ion: 75 Resp: 11509

Ion Ratio Lower Upper

75 100

77 27.2 24.6 37.0





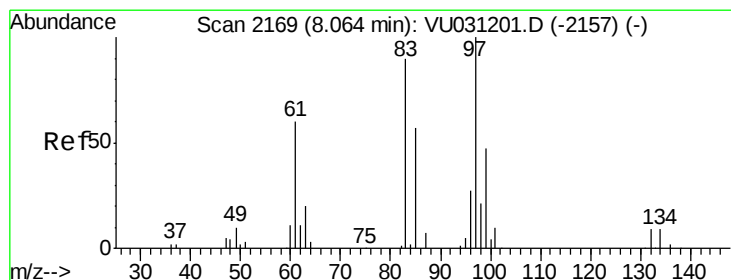
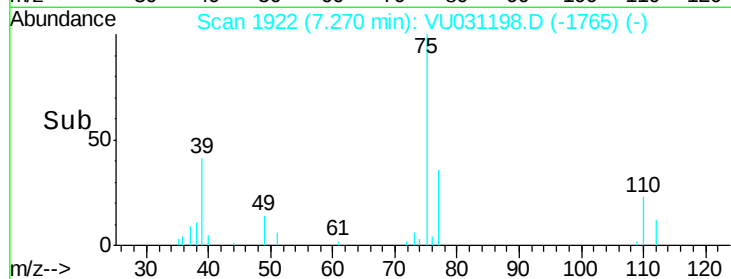
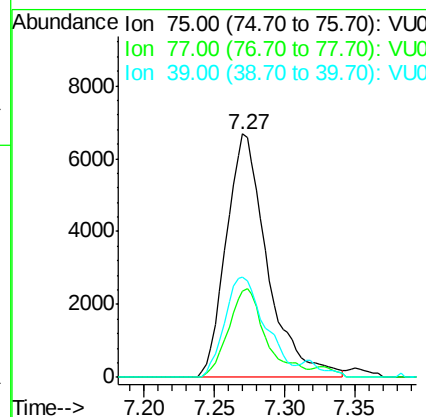
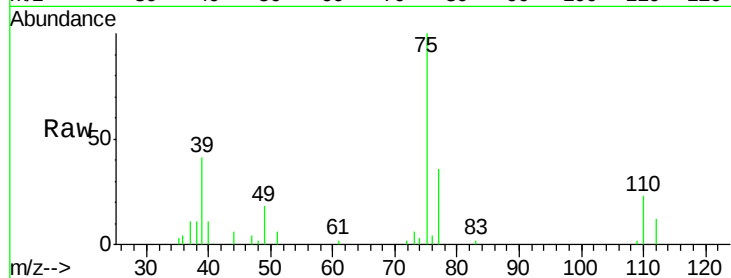
#51
 cis-1,3-Dichloropropene
 Concen: 0.954 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.6	24.6	37.0
39	41.3	36.1	54.1

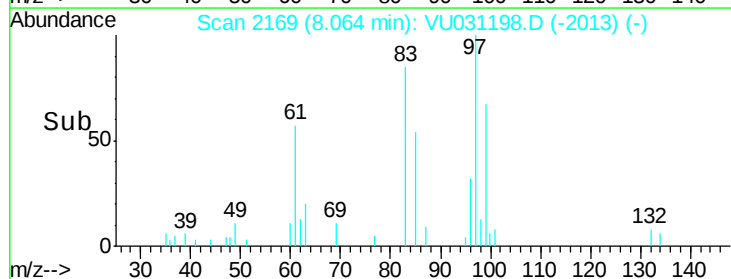
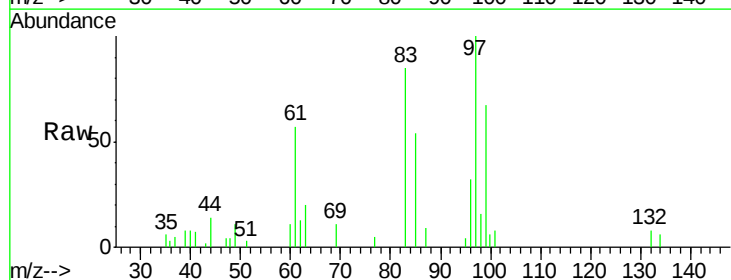
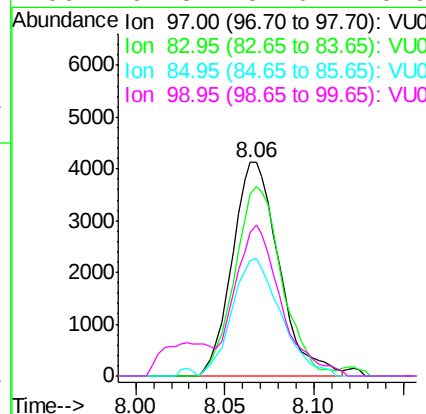
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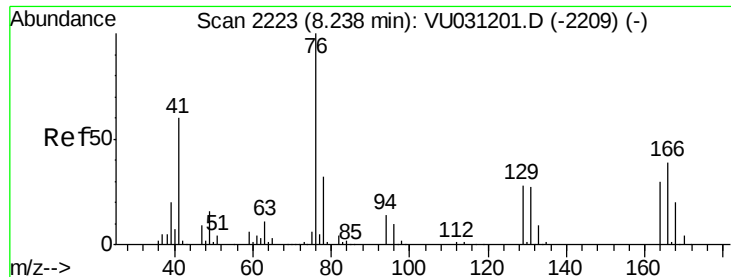
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 4/16/2019 3:23:11 PM



#52
 1,1,2-Trichloroethane
 Concen: 0.994 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.5	107.3
85	54.2	46.7	70.1
99	64.3	51.0	76.6





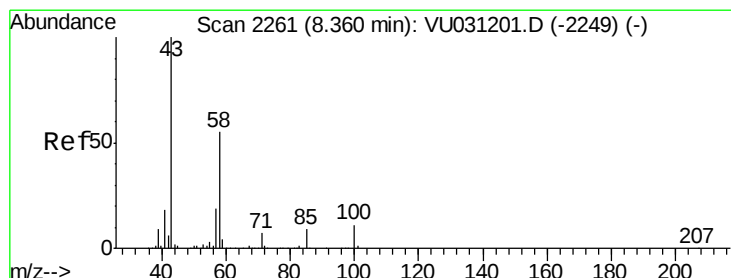
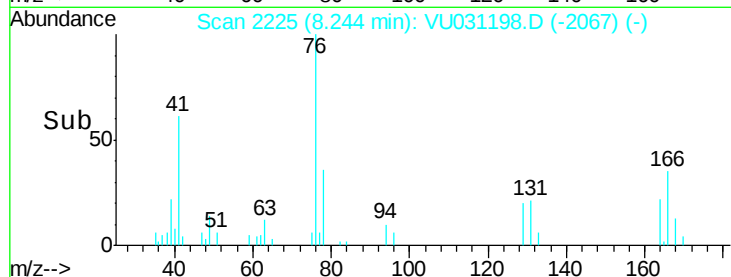
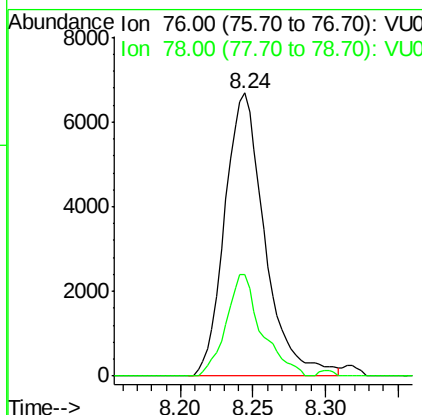
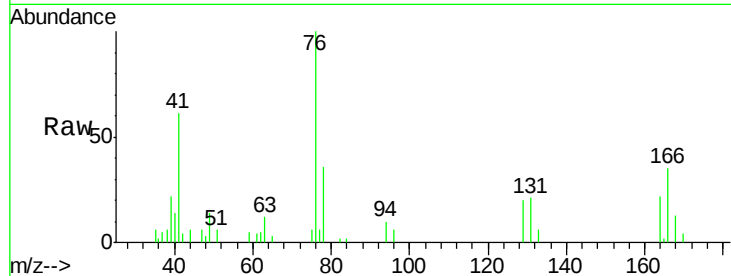
#53
 1,3-Dichloropropane
 Concen: 0.967 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	76	Resp	12825
Ion Ratio	Lower	Upper	
76	100		
78	31.6	25.3	37.9

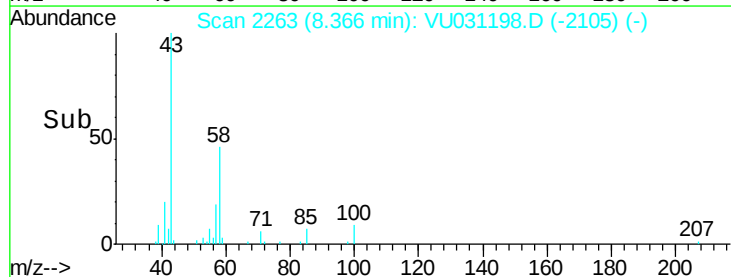
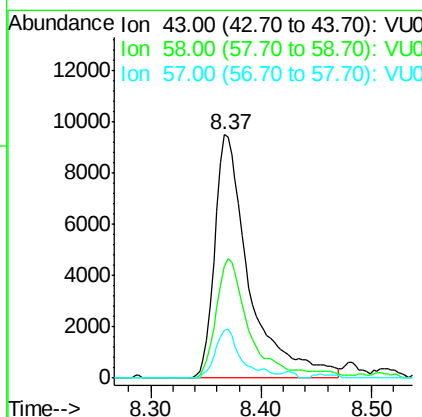
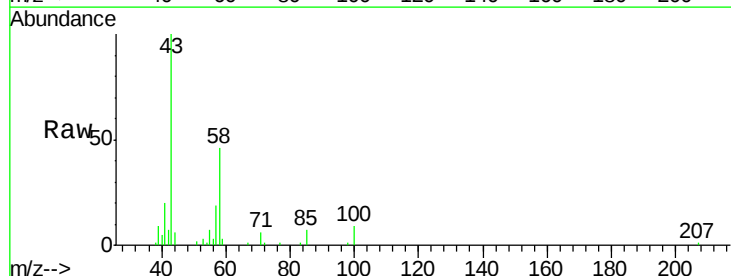
Manual Integrations
 APPROVED

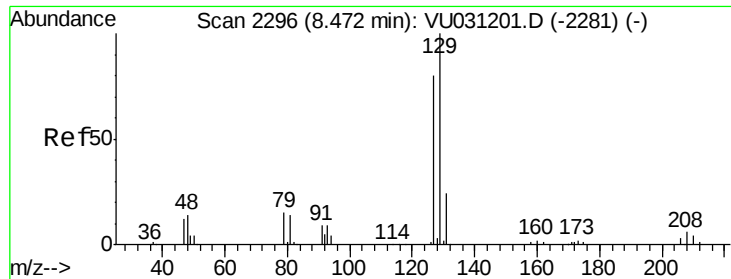
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#54
 2-Hexanone
 Concen: 4.110 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	43	Resp	20591
Ion Ratio	Lower	Upper	
43	100		
58	46.0	35.5	75.5
57	15.3	0.0	38.7





#55

Dibromochloromethane

Concen: 1.057 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 9102

Ion Ratio Lower Upper

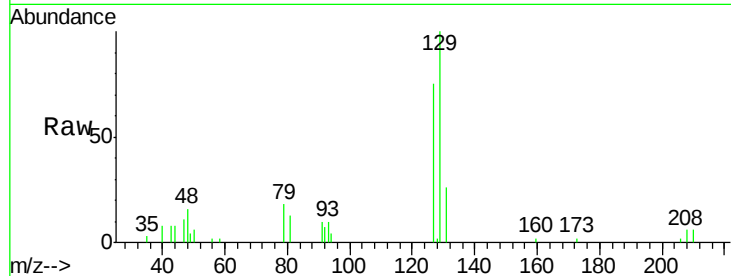
129 100

127 73.6 62.2 93.2

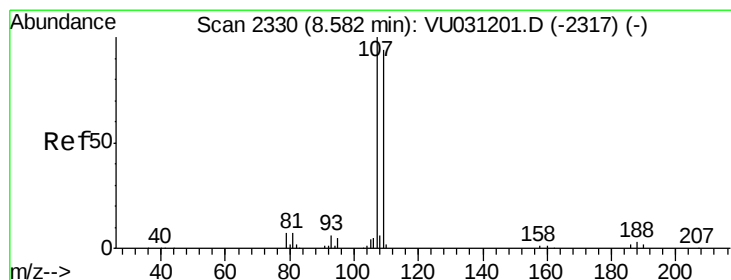
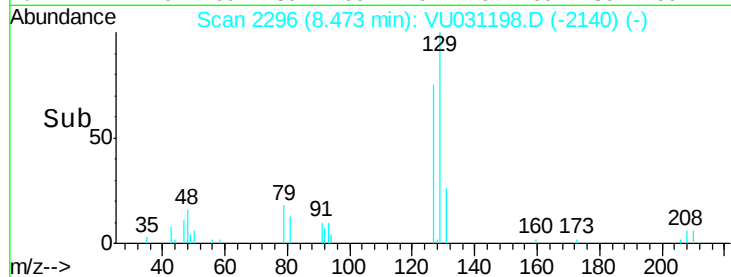
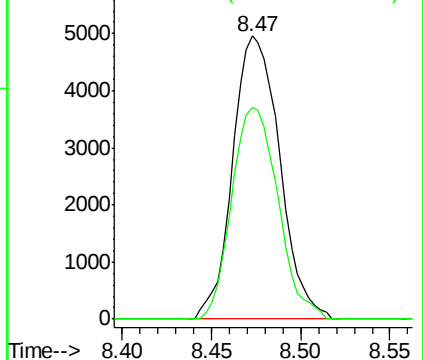
Manual Integrations
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Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.105 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU031198.D

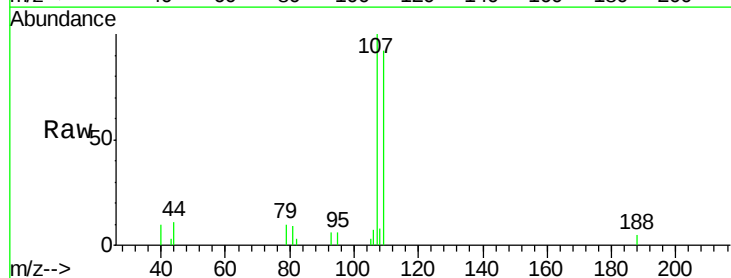
Acq: 15 Apr 2019 21:01

Tgt Ion:107 Resp: 7557

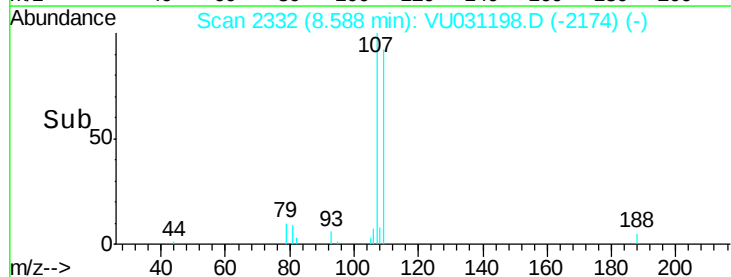
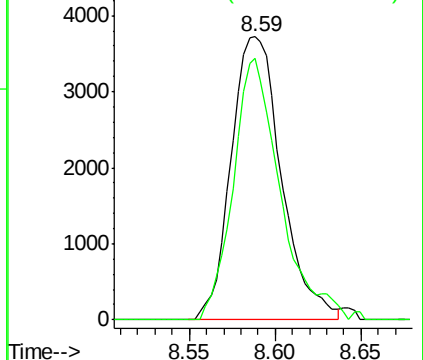
Ion Ratio Lower Upper

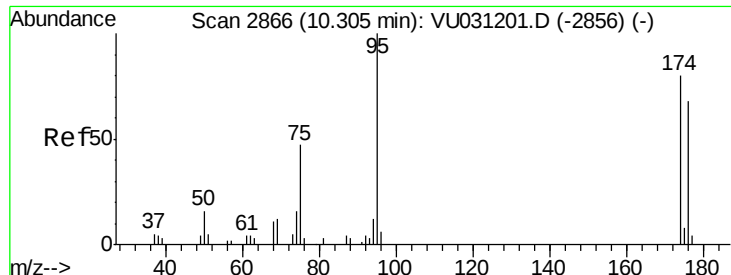
107 100

109 86.2 0.0 189.0



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





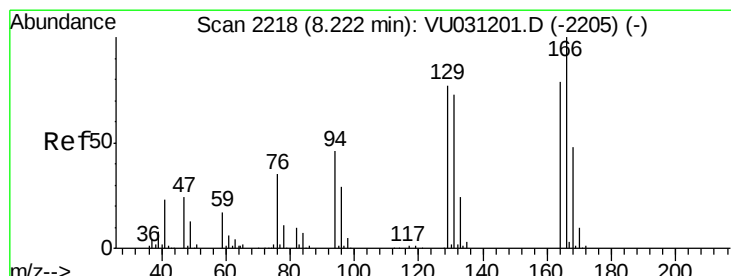
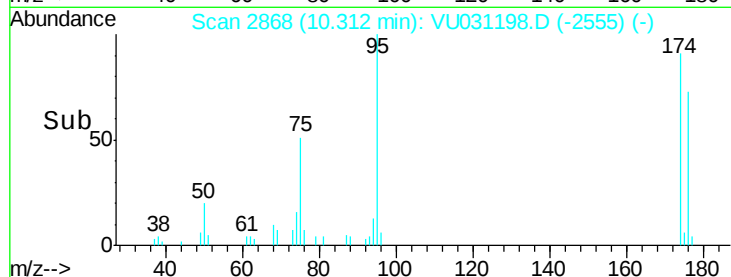
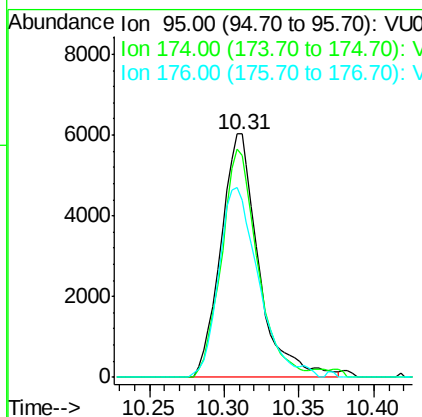
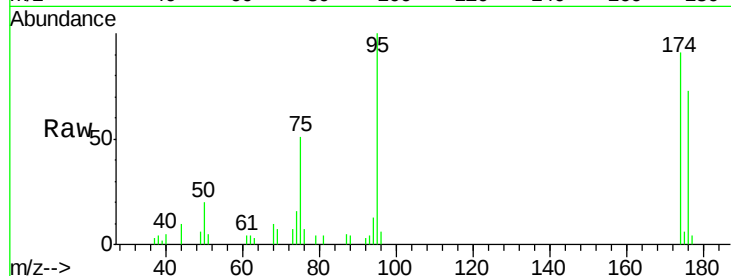
#57
4-Bromofluorobenzene
Concen: 1.105 ug/l
RT: 10.31 min Scan# 2868
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	10608		
174	89.4	64.2	96.2	
176	82.0	58.0	87.0	

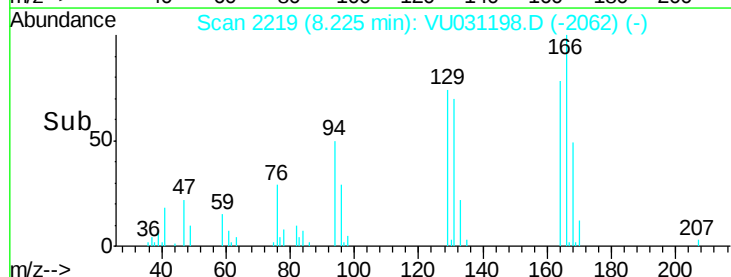
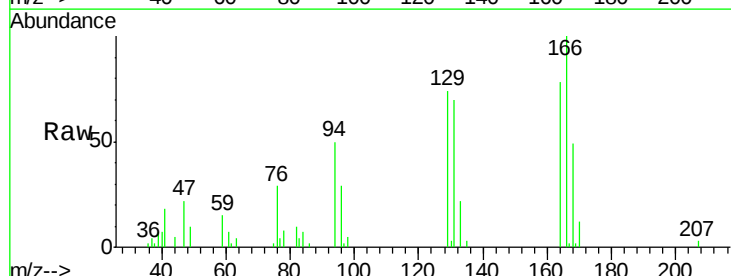
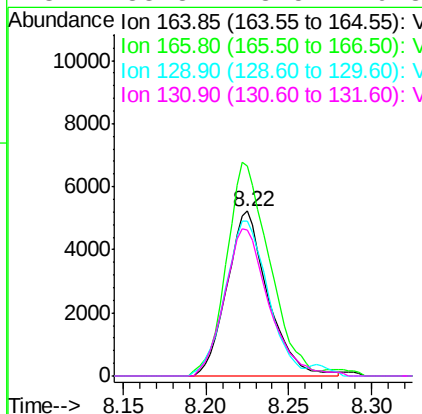
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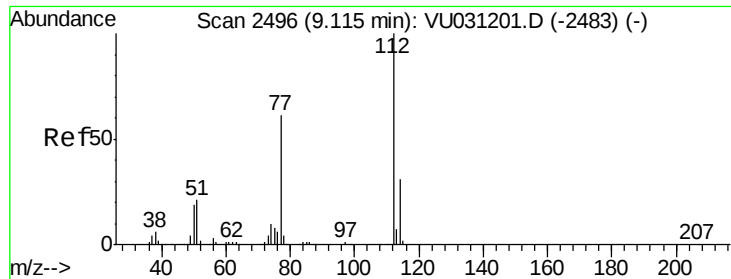
MMDadoda
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#58
Tetrachloroethene
Concen: 1.047 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8985		
166	127.7	100.9	151.3	
129	94.2	77.6	116.4	
131	88.8	73.5	110.3	





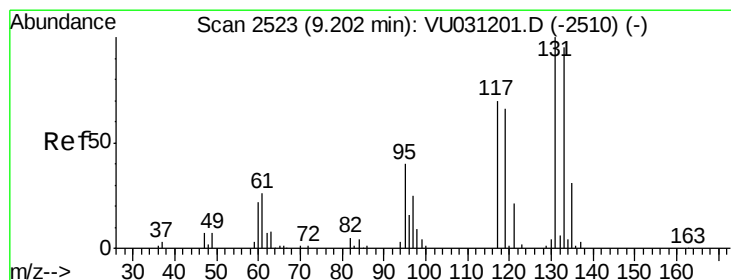
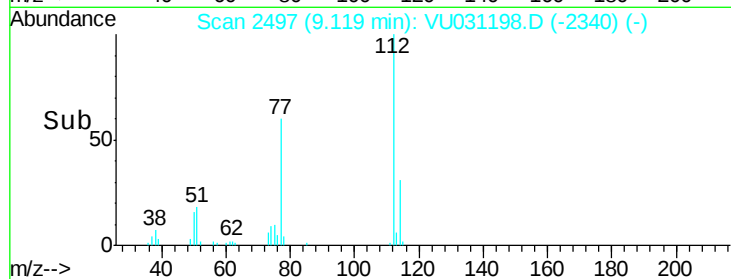
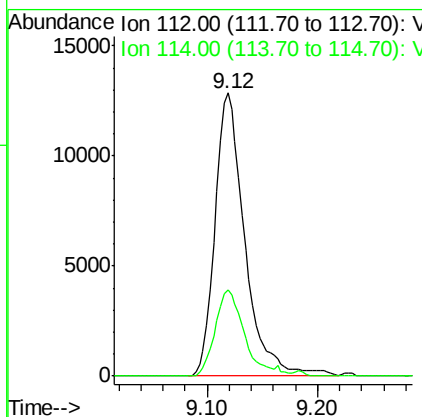
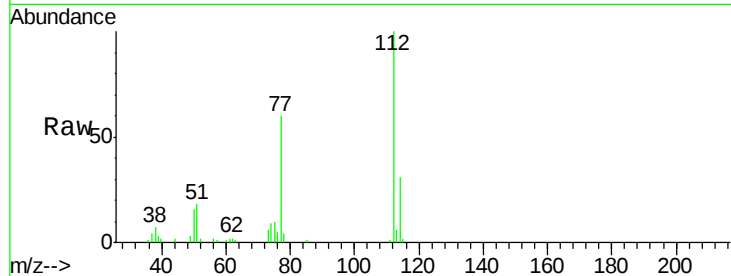
#59
Chlorobenzene
Concen: 1.017 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	24.4	36.6

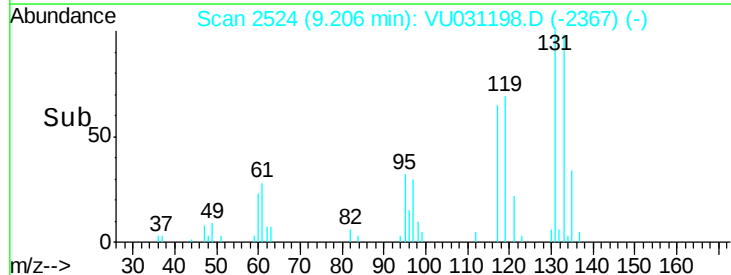
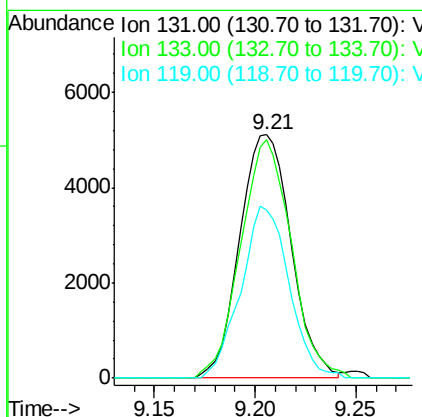
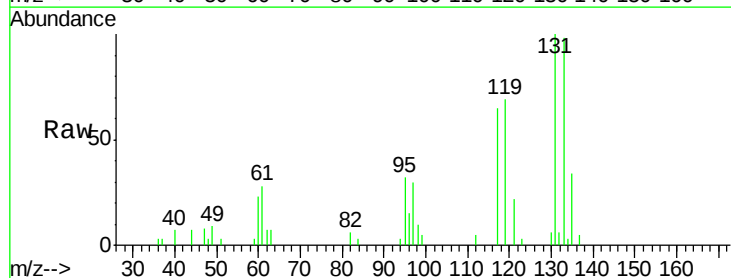
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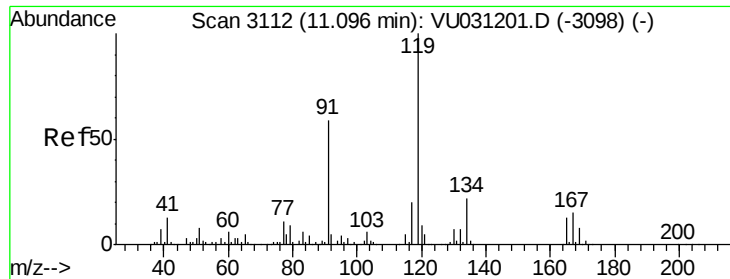
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.022 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	77.2	115.8
119	66.2	51.4	77.2





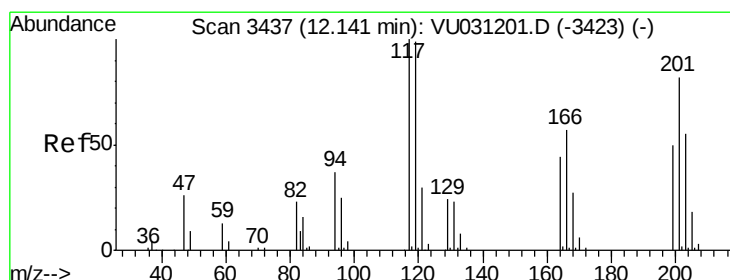
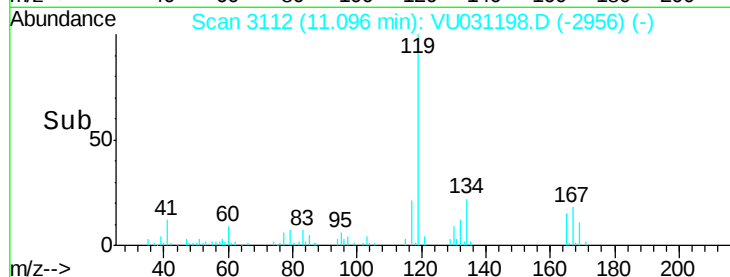
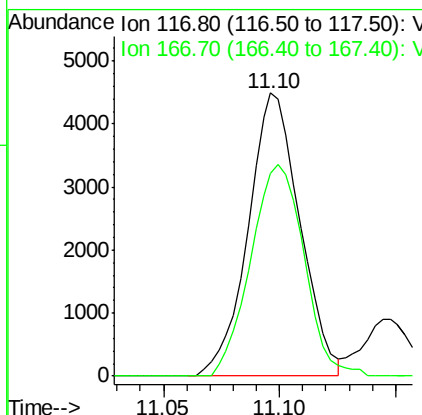
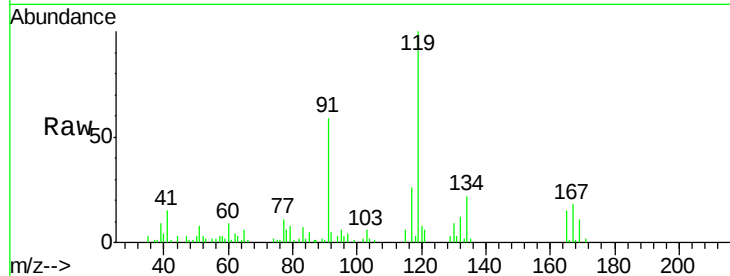
#61
 Pentachloroethane
 Concen: 1.019 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 6979
 Ion Ratio Lower Upper
 117 100
 167 77.1 63.1 94.7

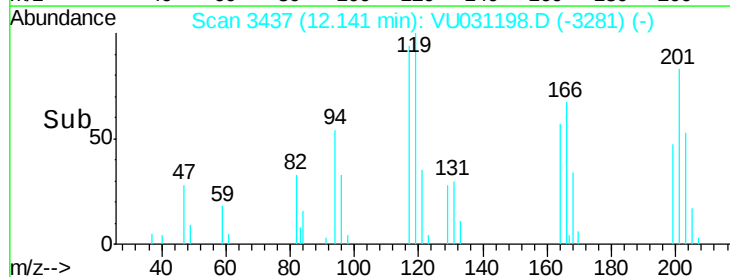
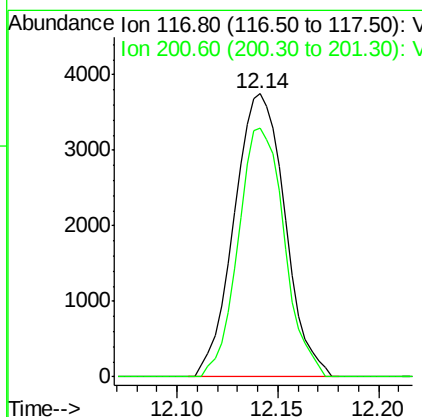
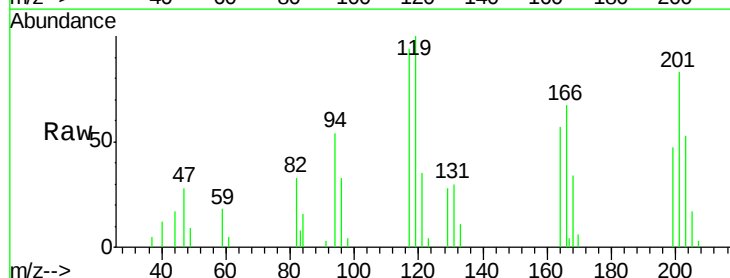
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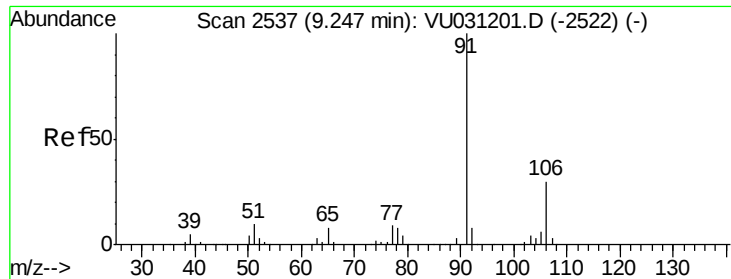
MMDadoda
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#62
 Hexachloroethane
 Concen: 1.017 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion:117 Resp: 6616
 Ion Ratio Lower Upper
 117 100
 201 79.7 63.9 95.9





#63

Ethyl Benzene

Concen: 0.857 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 33593

Ion Ratio Lower Upper

91 100

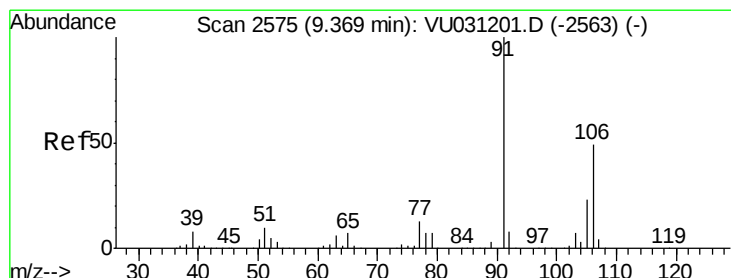
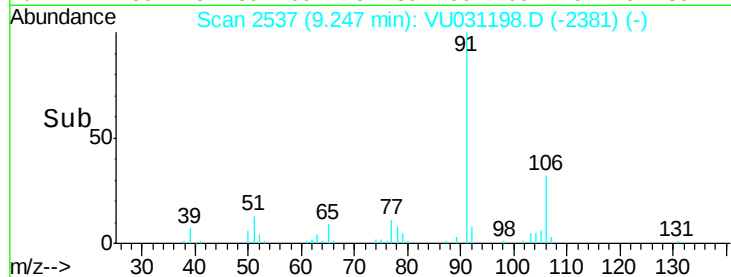
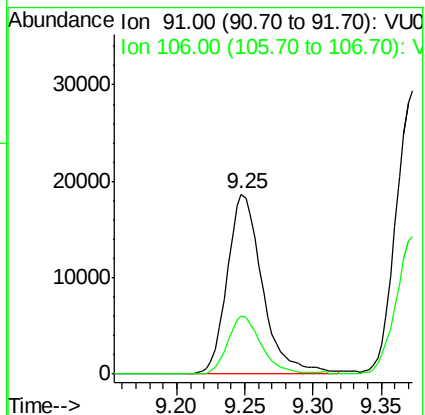
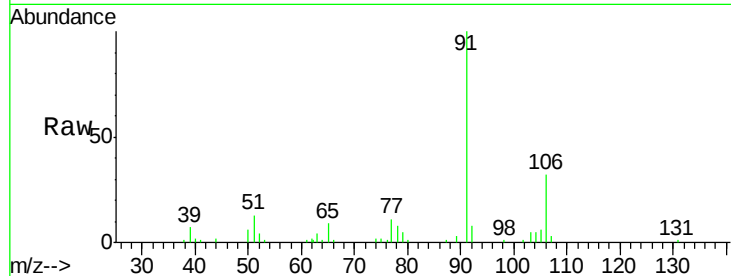
106 32.2 24.3 36.5

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#64

m/p-Xylenes

Concen: 1.791 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031198.D

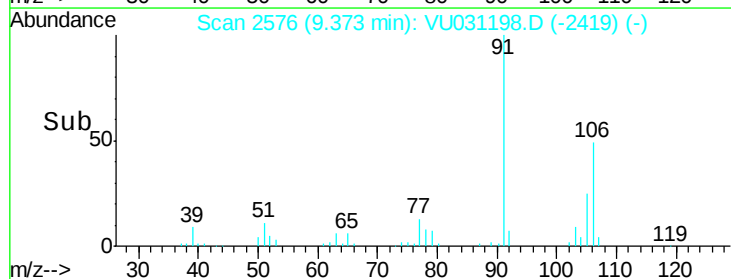
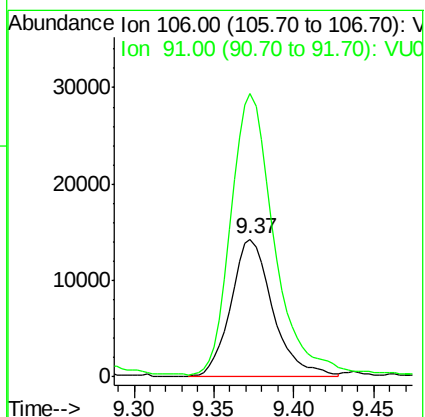
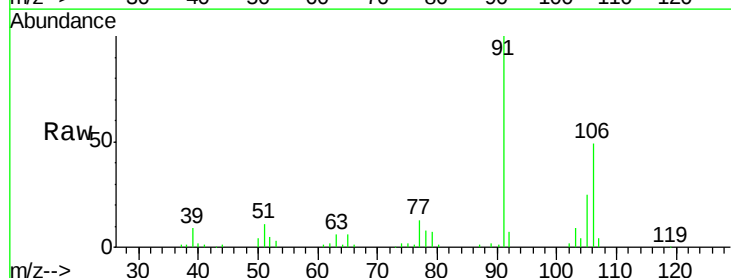
Acq: 15 Apr 2019 21:01

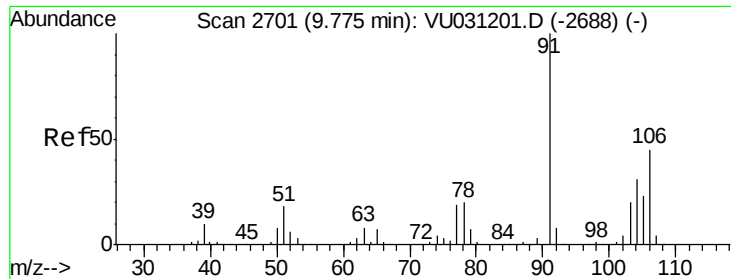
Tgt Ion: 106 Resp: 25685

Ion Ratio Lower Upper

106 100

91 215.3 165.7 248.5





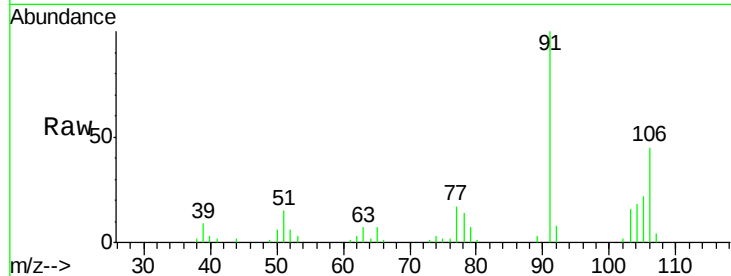
#65
o-Xylene
Concen: 0.883 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

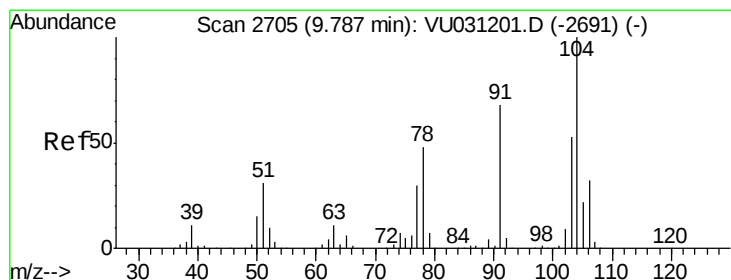
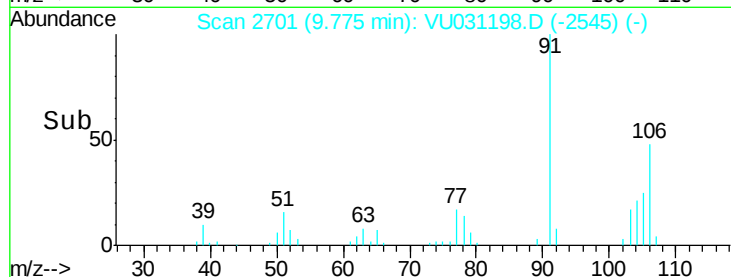
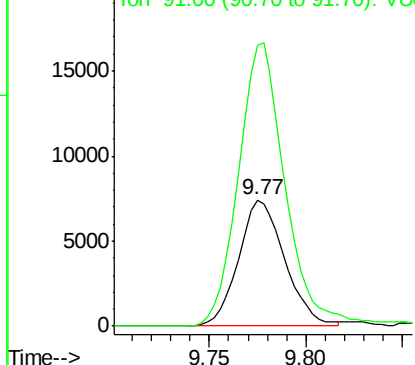
Tot Ion:106 Resp: 12305
Ion Ratio Lower Upper
106 100
91 227.3 111.3 333.8

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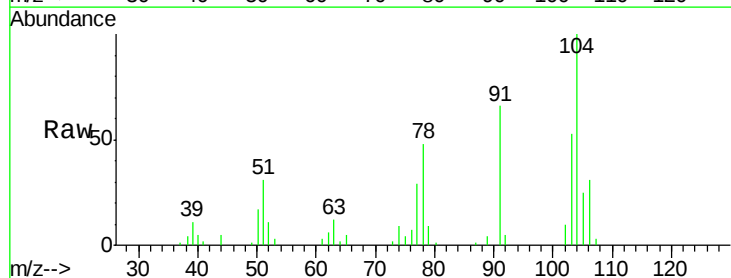


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

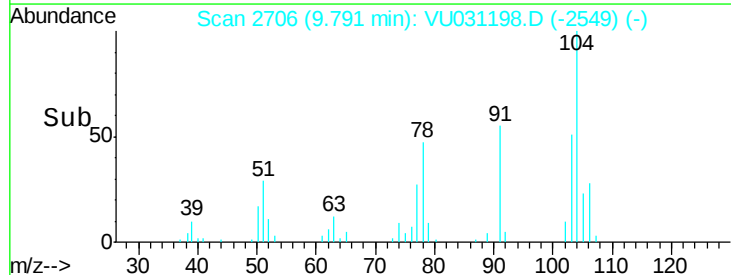
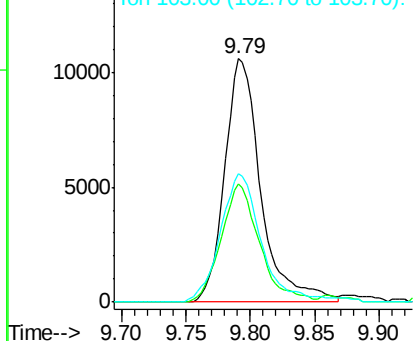


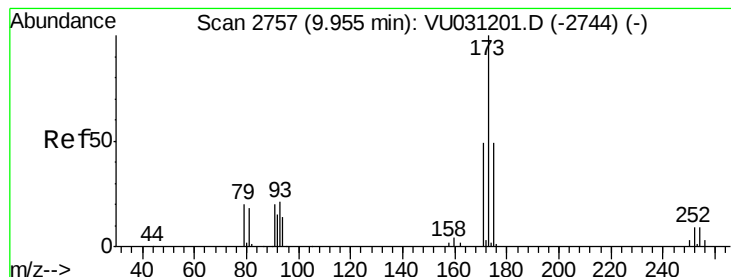
#66
Styrene
Concen: 0.859 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion:104 Resp: 20680
Ion Ratio Lower Upper
104 100
78 51.4 41.4 62.0
103 59.2 45.0 67.4



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





#67

Bromoform

Concen: 1.018 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:173 Resp: 5036

Ion Ratio Lower Upper

173 100

175 45.9 38.0 57.0

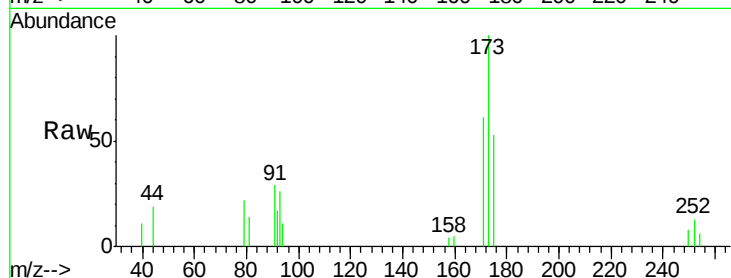
254 6.9 7.1 10.7#

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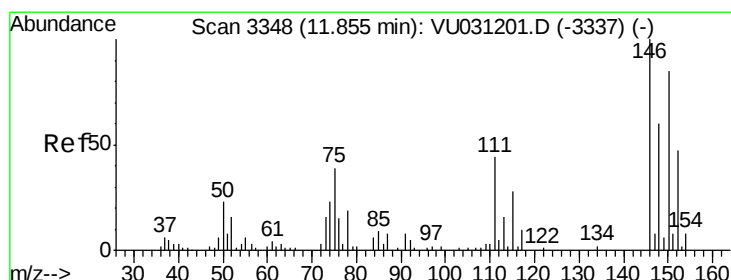
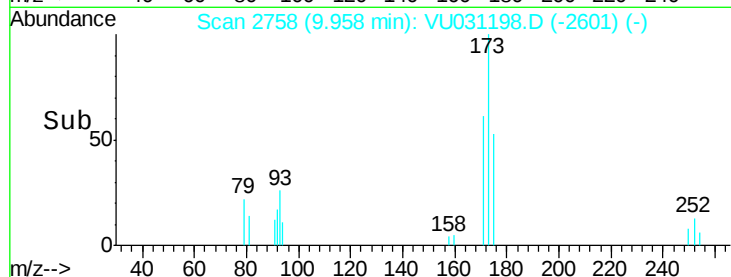
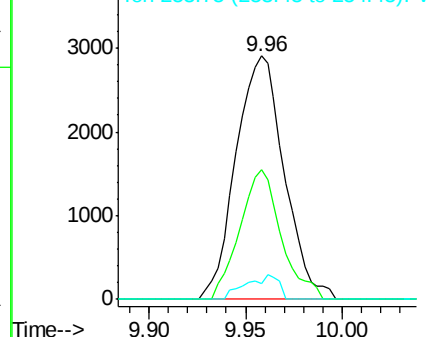
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.018 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

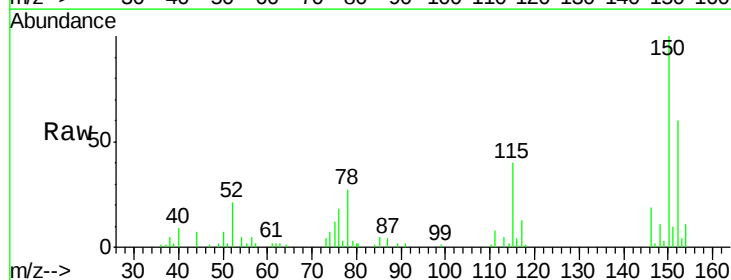
Tgt Ion:152 Resp: 11246

Ion Ratio Lower Upper

152 100

115 75.7 0.0 130.0

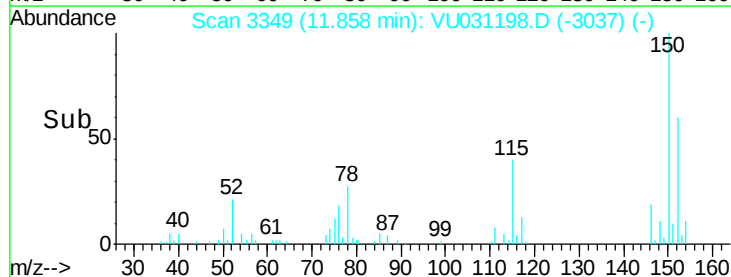
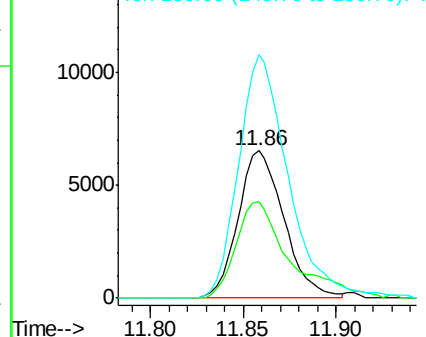
150 179.2 0.0 639.0

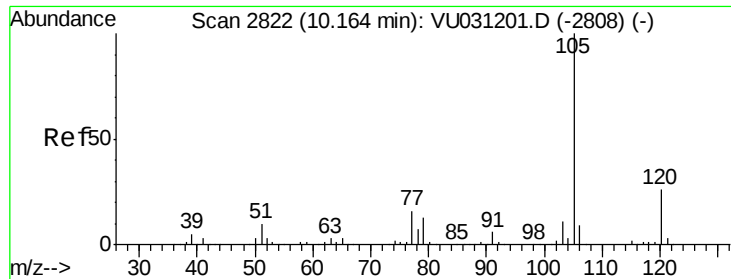


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.931 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 34633

Ion Ratio Lower Upper

105 100

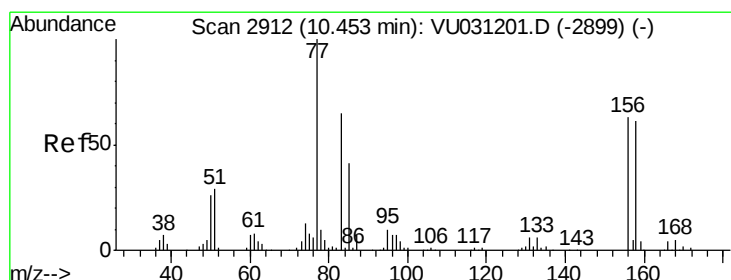
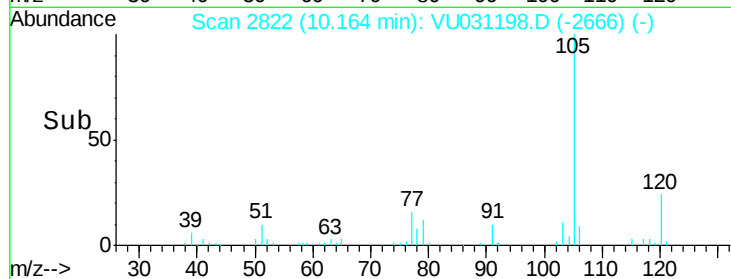
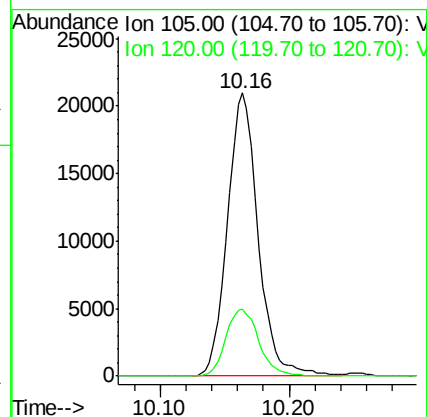
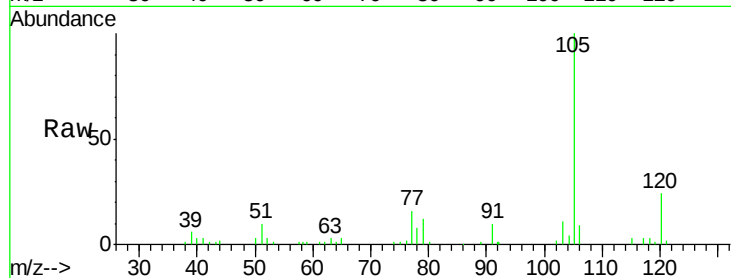
120 25.2 12.8 38.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.014 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

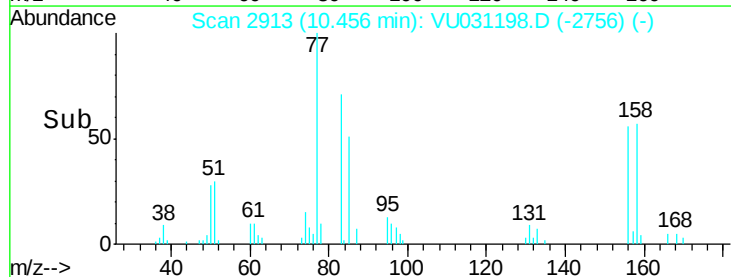
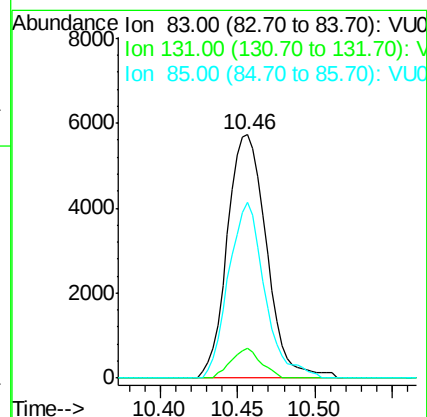
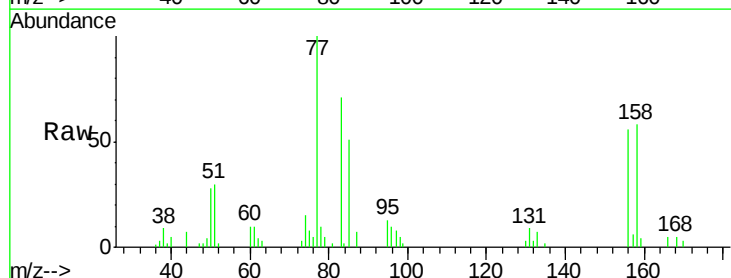
Tgt Ion: 83 Resp: 10097

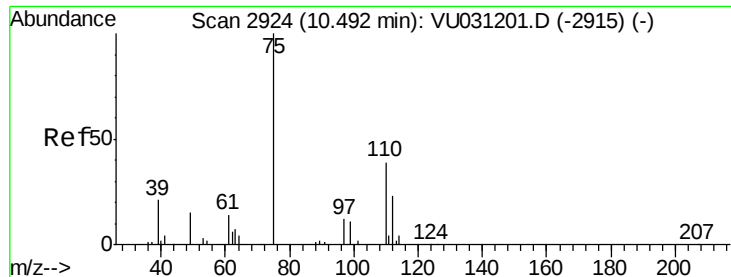
Ion Ratio Lower Upper

83 100

131 9.3 8.0 12.0

85 66.3 51.3 76.9





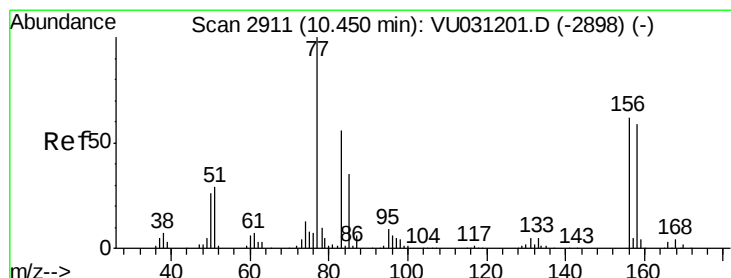
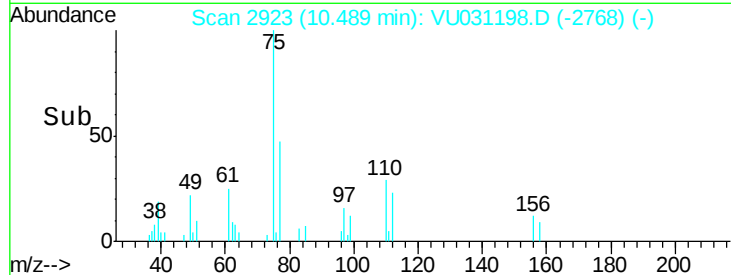
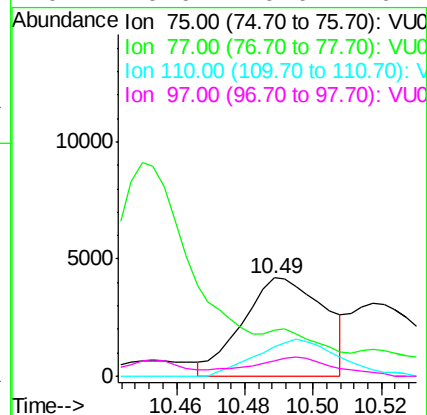
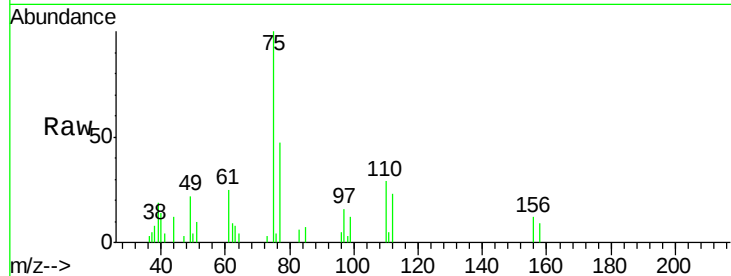
#71
 1,2,3-Trichloropropane
 Concen: 0.926 ug/l m
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	38.2	0.0	71.0
97	19.9	0.0	40.4

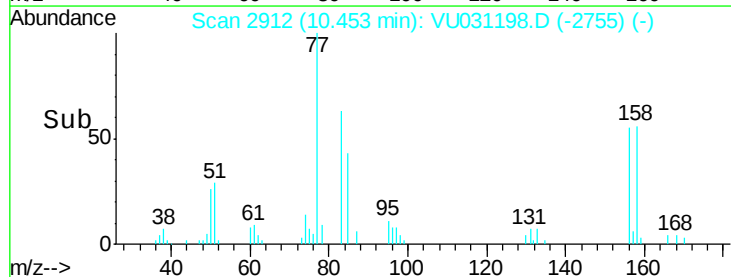
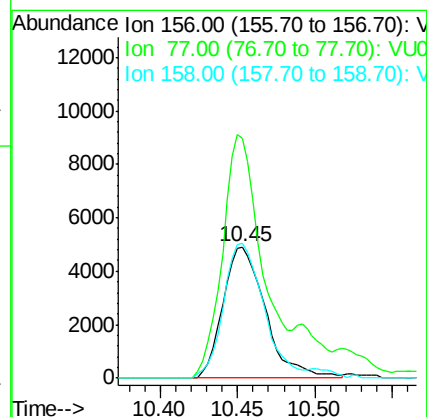
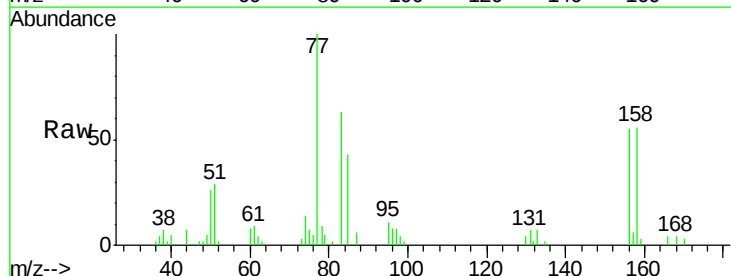
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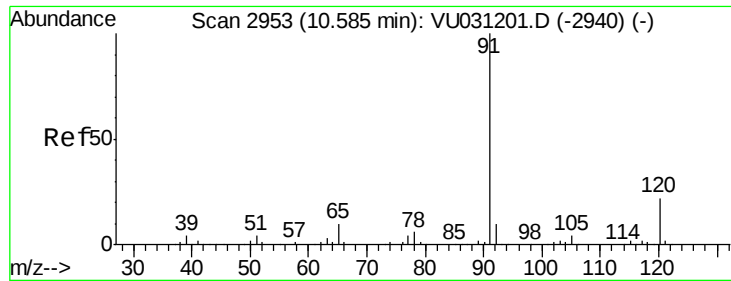
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#72
 Bromobenzene
 Concen: 0.997 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	171.6	0.0	322.6
158	97.2	0.0	191.0





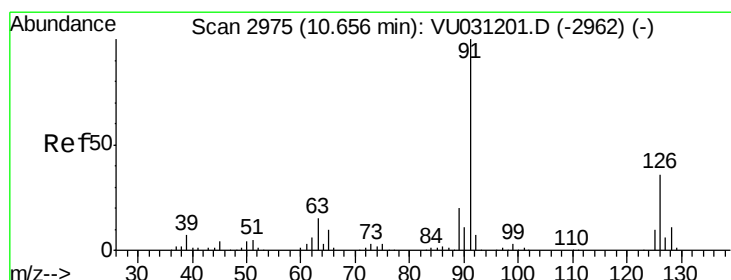
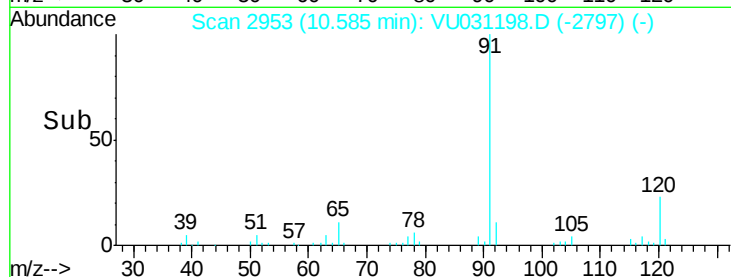
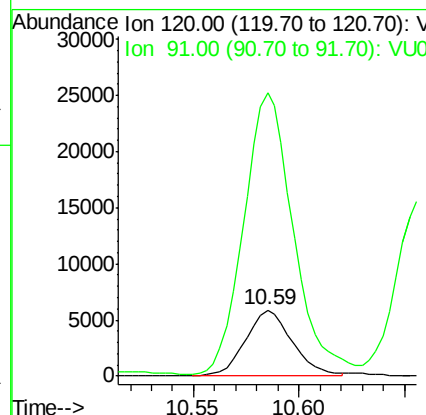
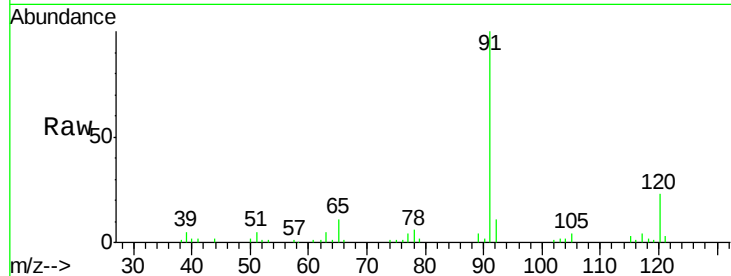
#73
n-propylbenzene
Concen: 0.914 ug/l
RT: 10.59 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:120 Resp: 9064
Ion Ratio Lower Upper
120 100
91 454.1 364.9 547.3

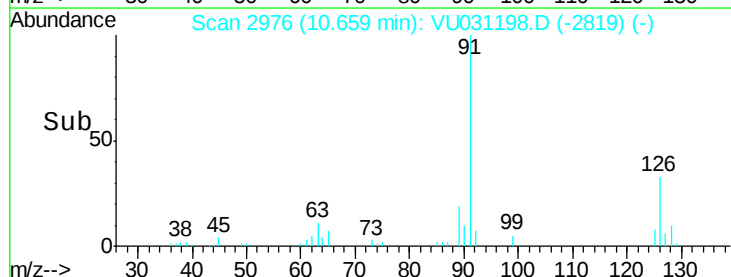
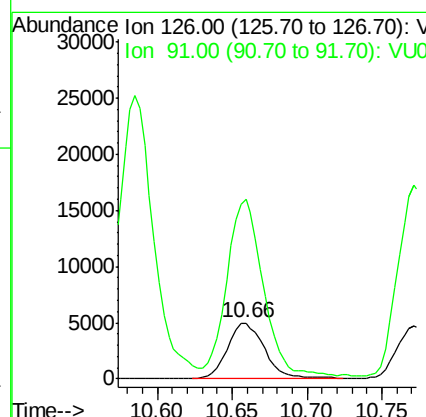
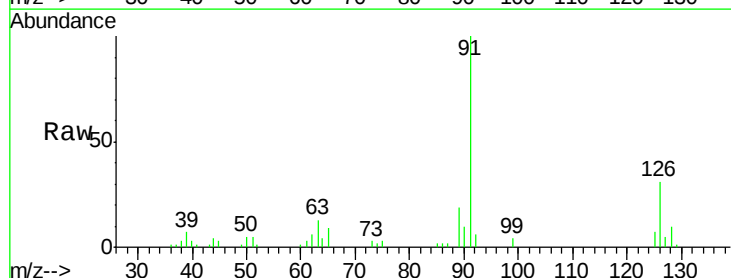
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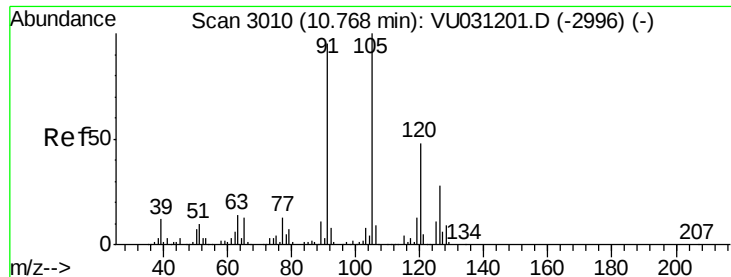
MMDadoda
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#74
2-Chlorotoluene
Concen: 0.955 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion:126 Resp: 8641
Ion Ratio Lower Upper
126 100
91 304.7 0.0 612.6





#75

1,3,5-Trimethylbenzene

Concen: 0.870 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 27397

Ion Ratio Lower Upper

105 100

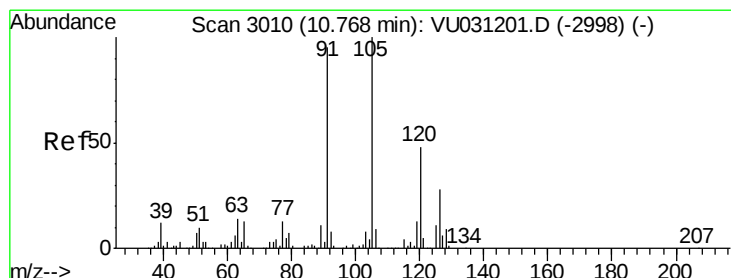
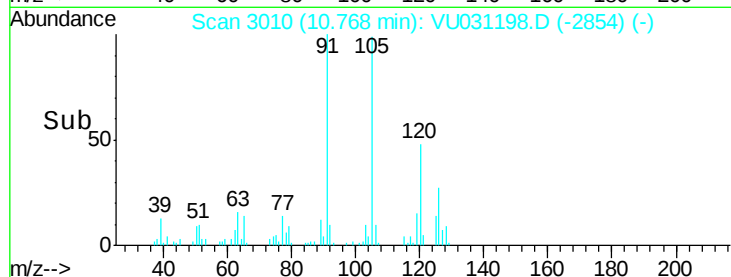
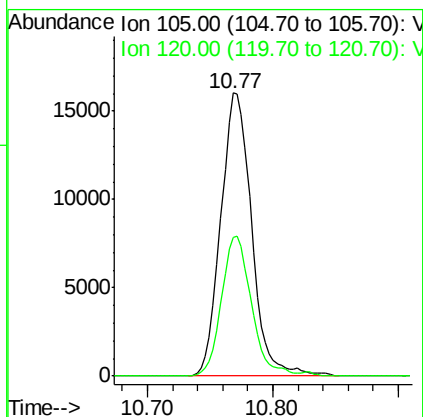
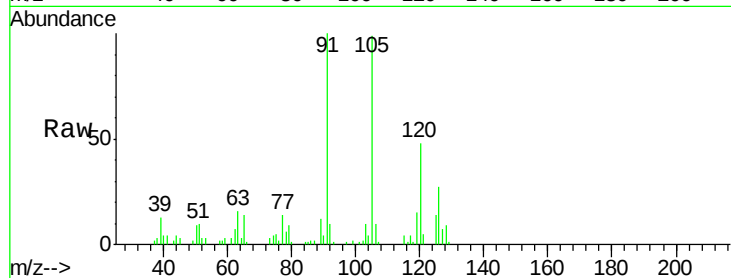
120 48.1 38.7 58.1

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#76

4-Chlorotoluene

Concen: 0.918 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031198.D

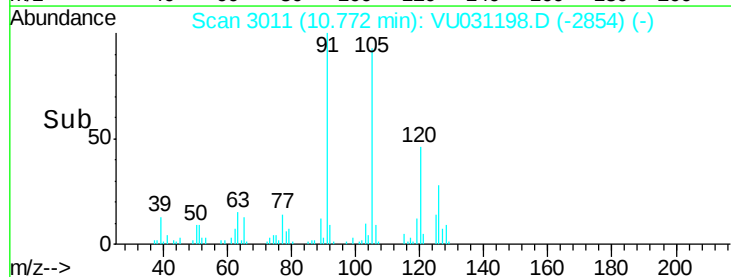
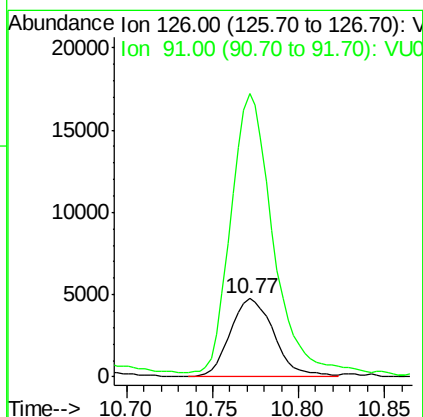
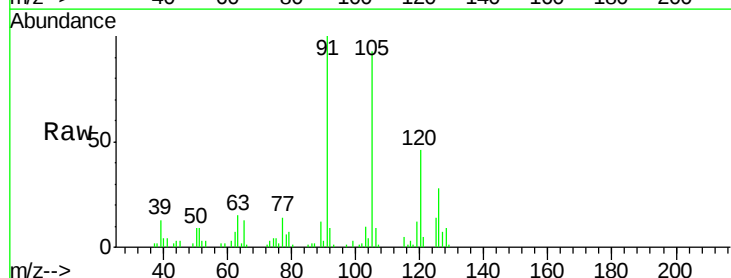
Acq: 15 Apr 2019 21:01

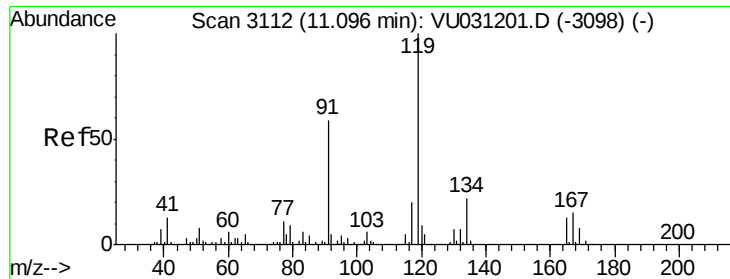
Tgt Ion:126 Resp: 8484

Ion Ratio Lower Upper

126 100

91 350.5 0.0 683.8





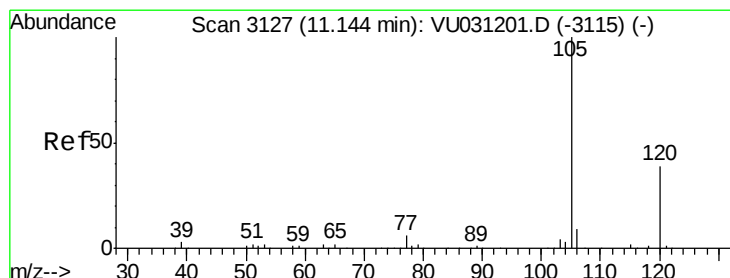
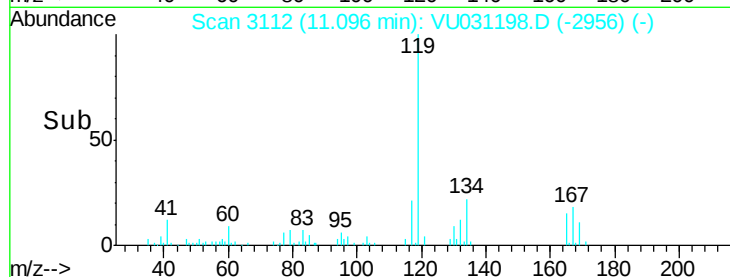
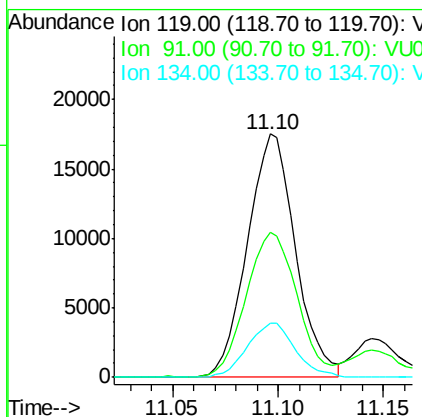
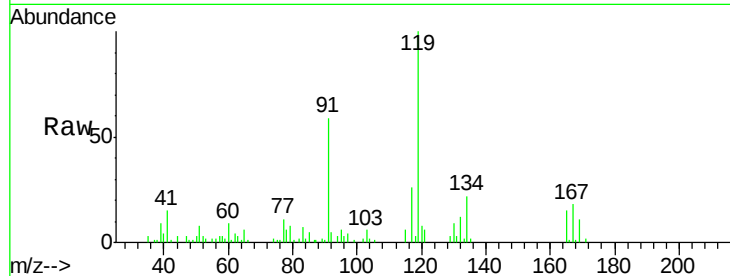
#77
tert-Butylbenzene
Concen: 0.904 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	27758		
91	62.9		29.4	88.3
134	22.2		17.9	26.9

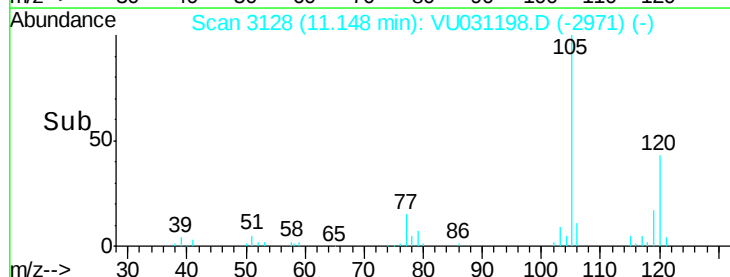
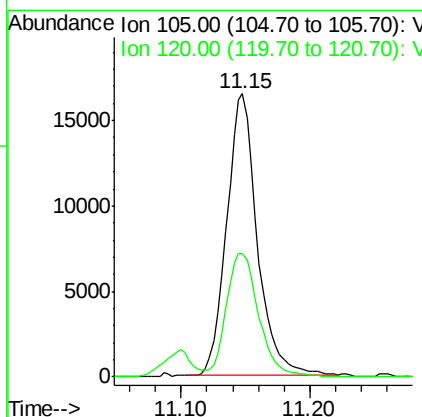
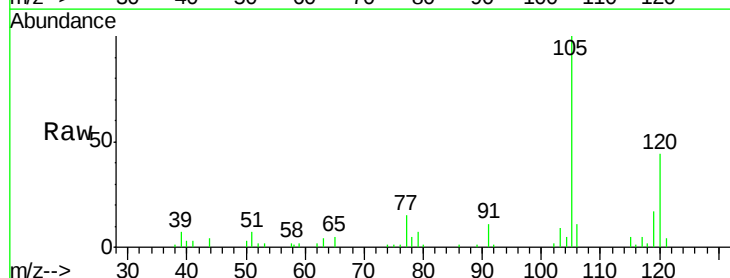
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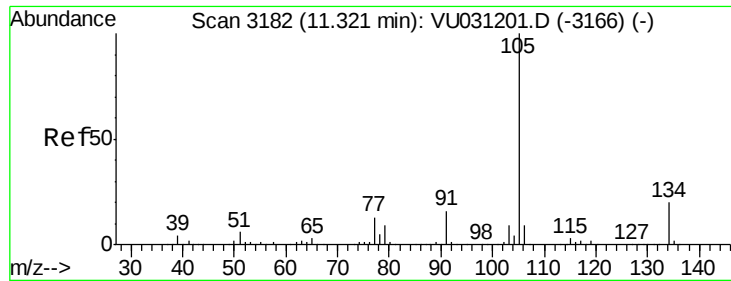
MMDadoda
4/16/2019 3:23:11 PM



#78
1,2,4-Trimethylbenzene
Concen: 0.840 ug/l
RT: 11.15 min Scan# 3128
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	26960		
120	46.8		22.4	67.0





#79

sec-Butylbenzene

Concen: 0.902 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 105 Resp: 37634

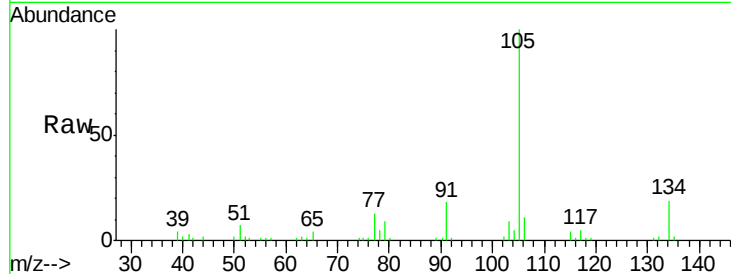
Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3

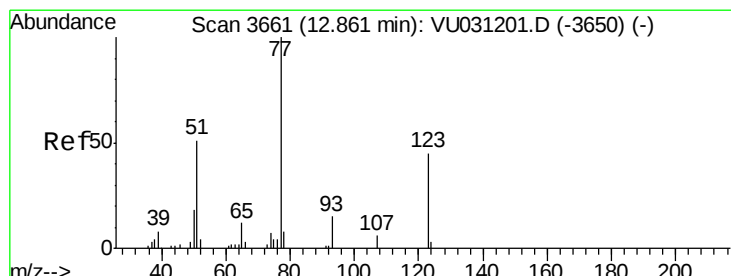
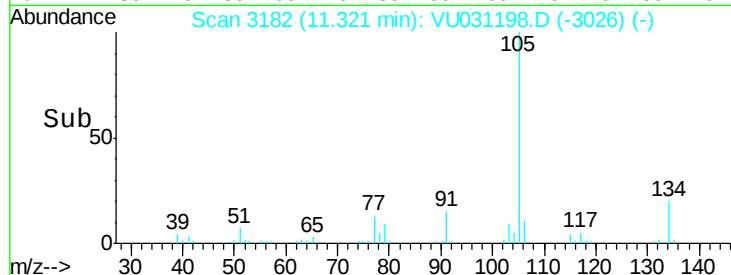
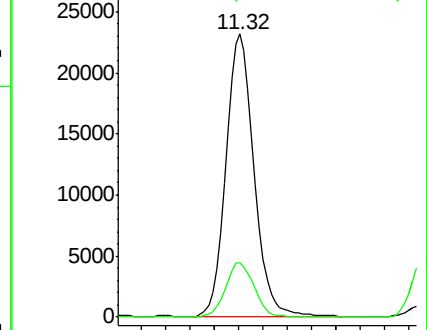
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 3.464 ug/l m

RT: 12.90 min Scan# 3672

Delta R.T. 0.04 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

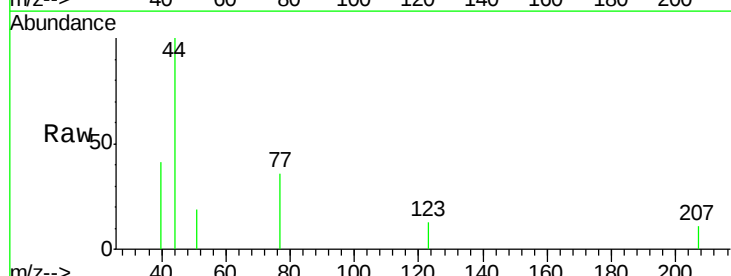
Tgt Ion: 77 Resp: 1027

Ion Ratio Lower Upper

77 100

123 16.4 17.1 60.7#

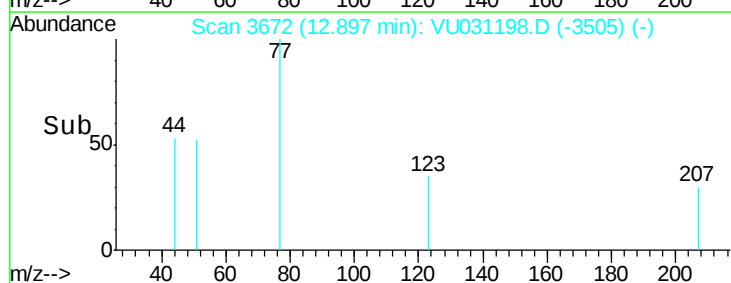
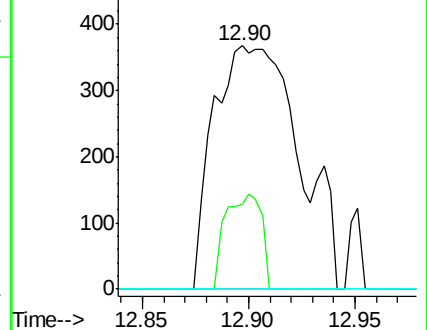
65 0.0 9.4 12.0#

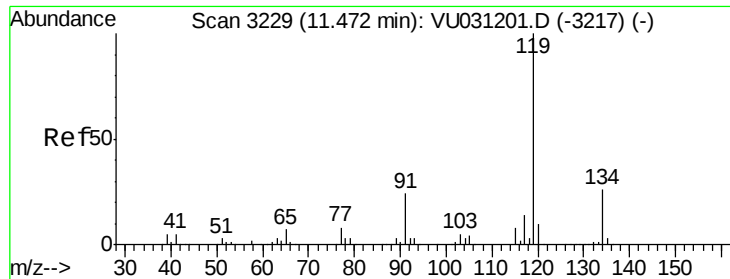


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





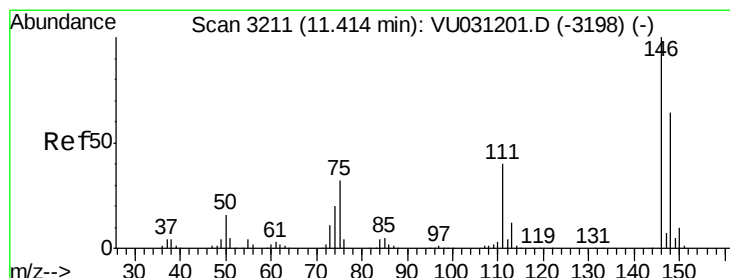
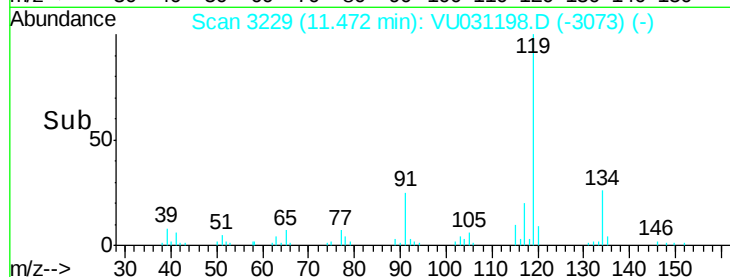
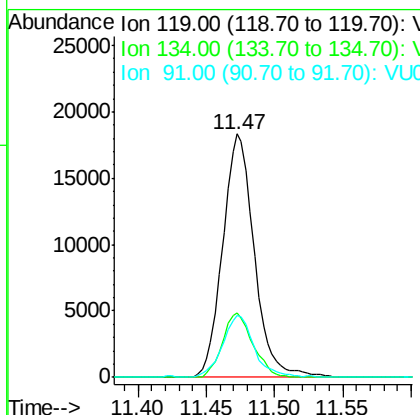
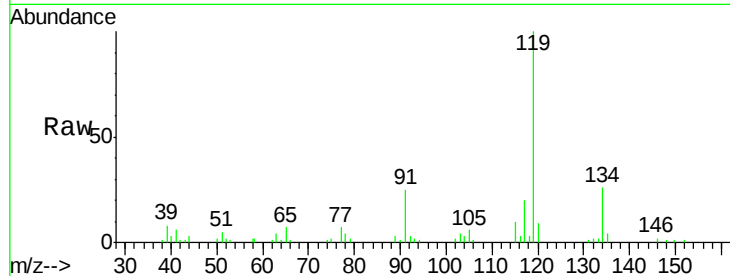
#81
 p-Isopropyltoluene
 Concen: 0.903 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	21.0	31.4
91	25.3	19.4	29.2

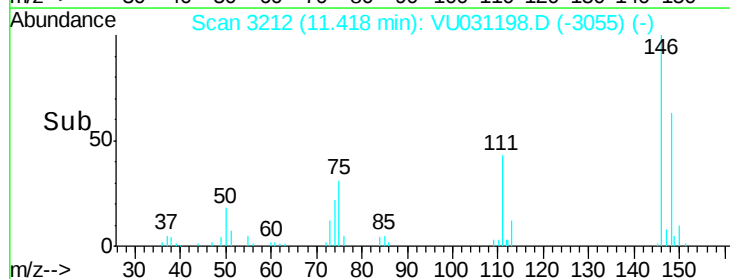
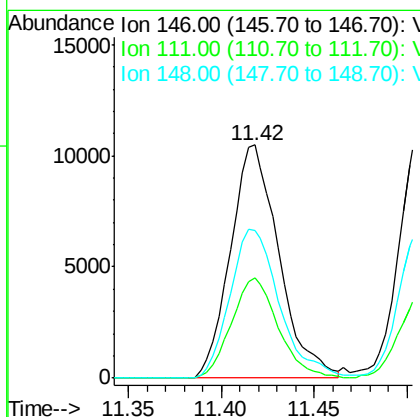
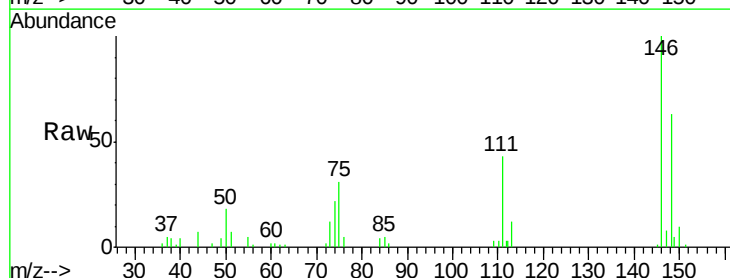
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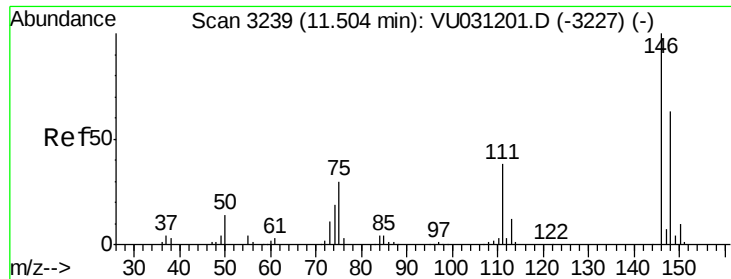
MMDadoda
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#82
 1,3-Dichlorobenzene
 Concen: 1.023 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.4	48.6
148	65.3	50.8	76.2





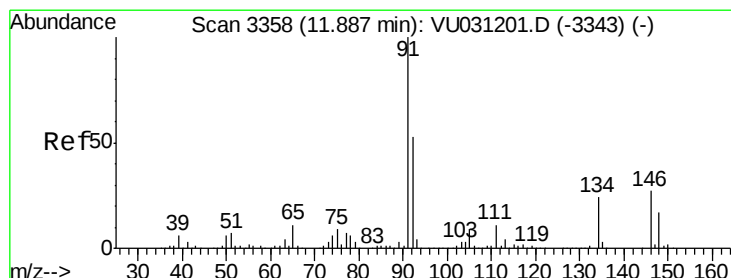
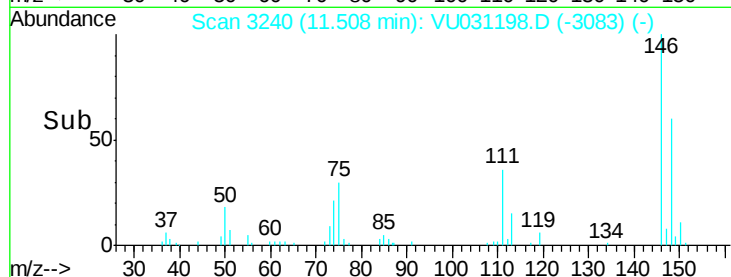
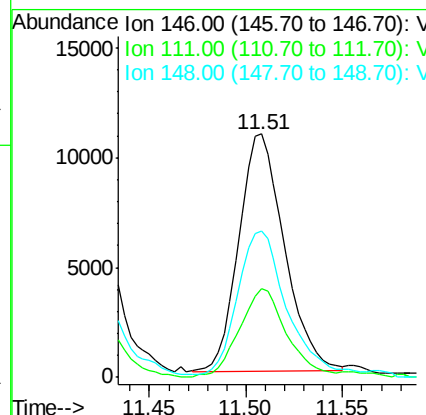
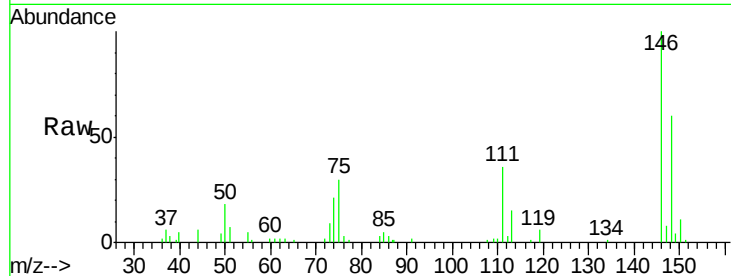
#83
 1,4-Dichlorobenzene
 Concen: 0.961 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	30.6	46.0
148	64.6	51.1	76.7

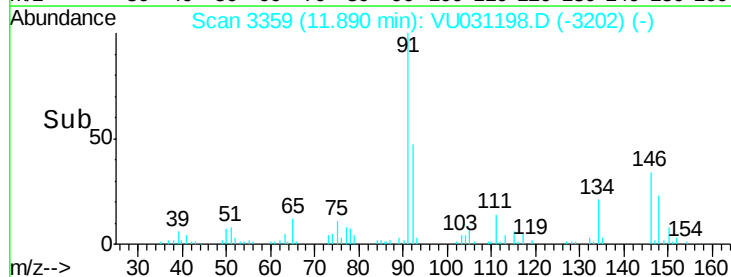
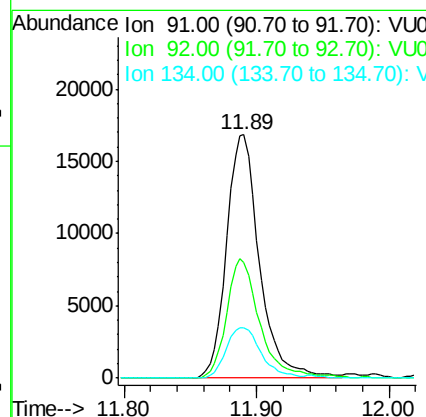
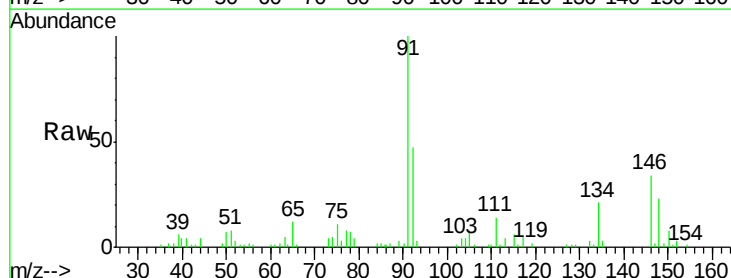
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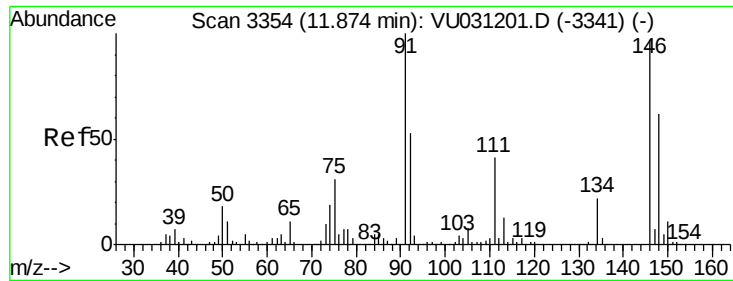
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#84
 n-Butylbenzene
 Concen: 0.886 ug/l
 RT: 11.89 min Scan# 3359
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.0	42.6	63.8
134	21.8	19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 1.063 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Instrument :

MSVOA_U

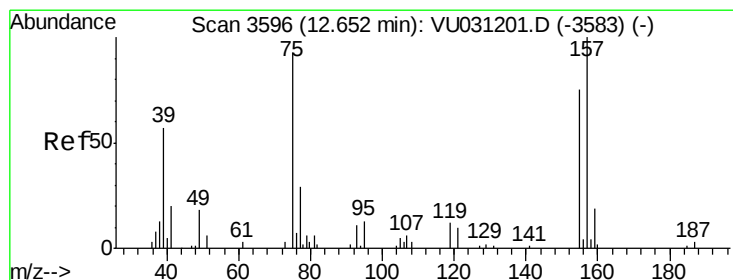
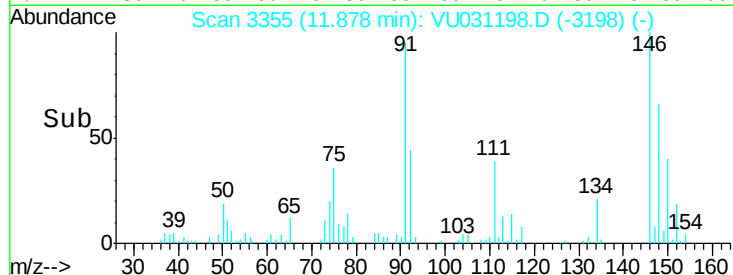
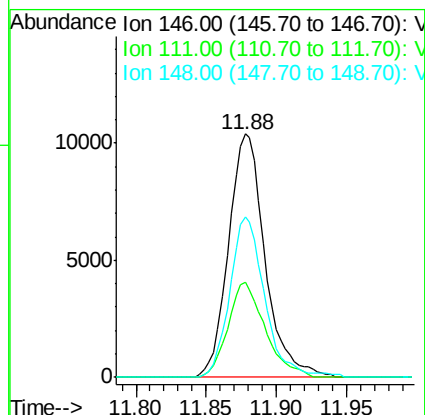
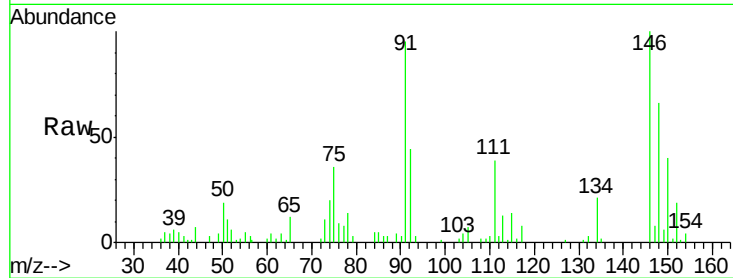
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	18806
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.8	62.5
148	62.3	31.4	94.3

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#86

1,2-Dibromo-3-Chloropropane

Concen: 0.860 ug/l

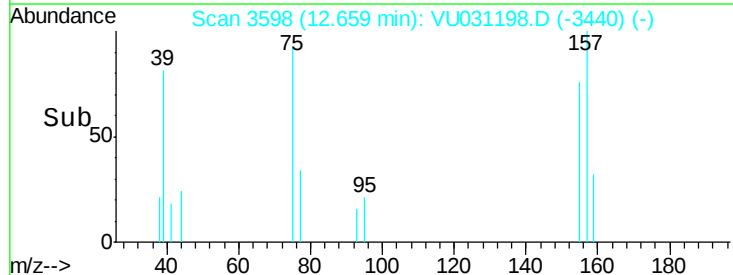
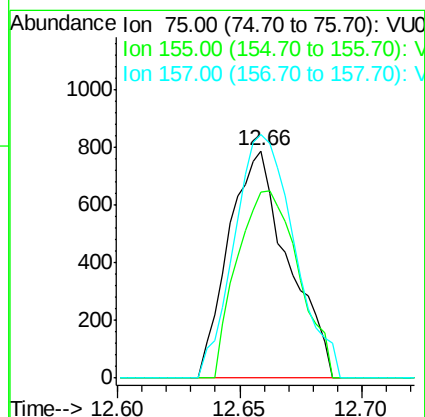
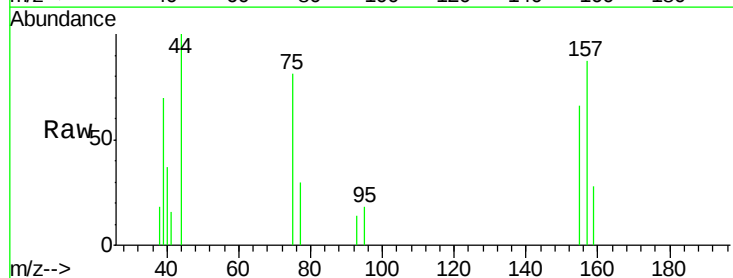
RT: 12.66 min Scan# 3598

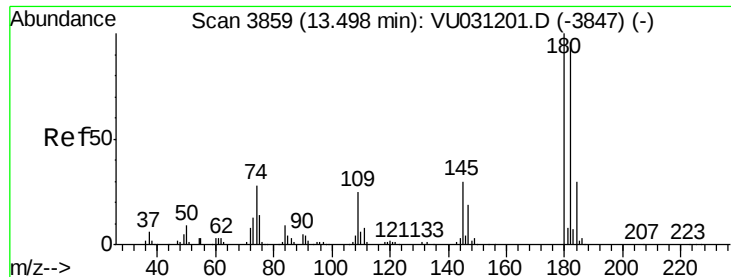
Delta R.T. 0.01 min

Lab File: VU031198.D

Acq: 15 Apr 2019 21:01

Tgt Ion:	75	Resp:	1337
Ion Ratio	Lower	Upper	
75	100		
155	84.5	61.7	92.5
157	108.2	81.3	121.9





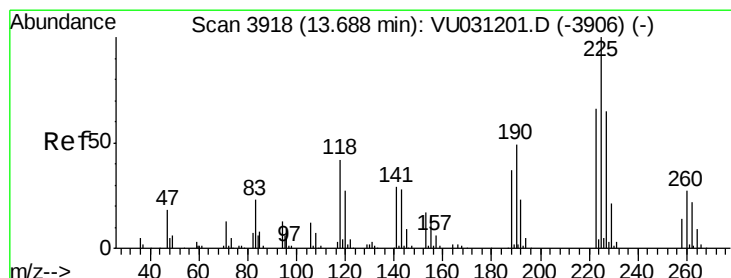
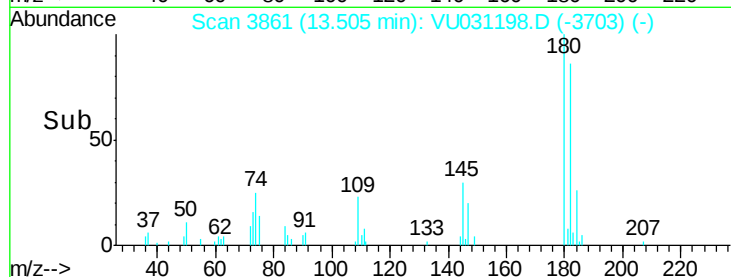
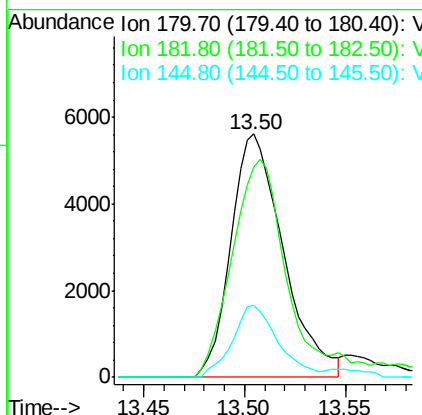
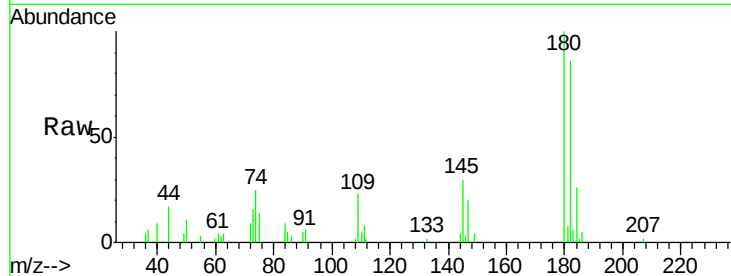
#87
 1,2,4-Trichlorobenzene
 Concen: 0.966 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.0	112.6
145	25.7	23.4	35.2

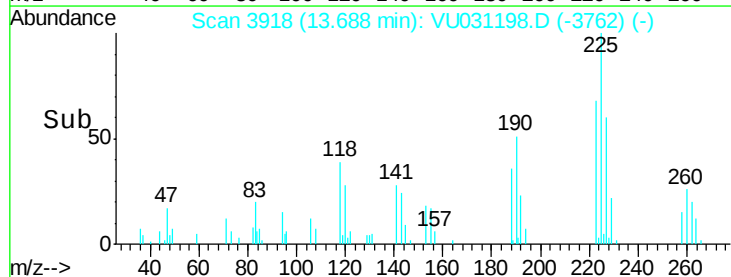
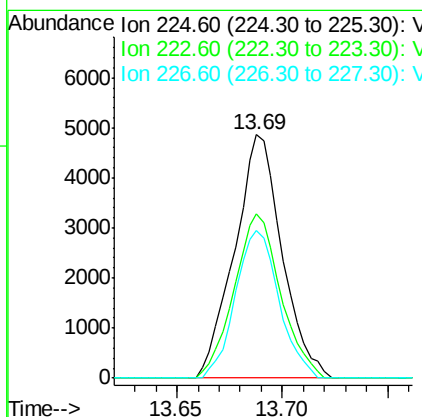
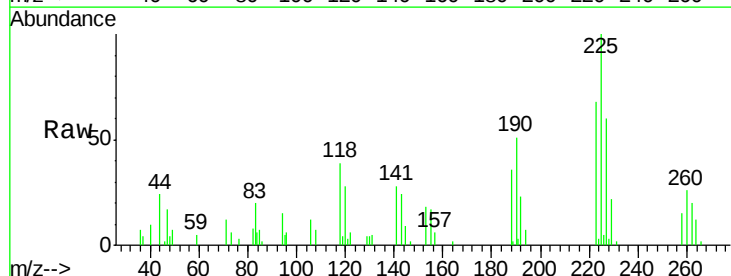
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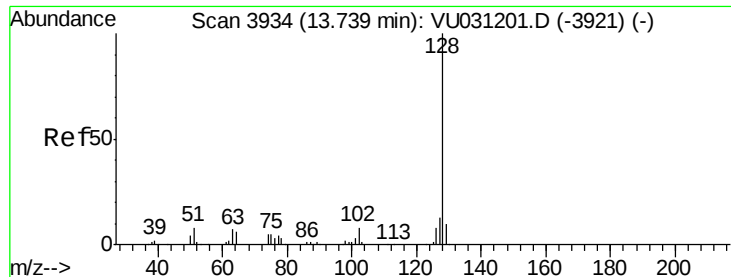
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#88
 Hexachlorobutadiene
 Concen: 1.198 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031198.D
 Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	51.4	77.2
227	55.6	51.2	76.8





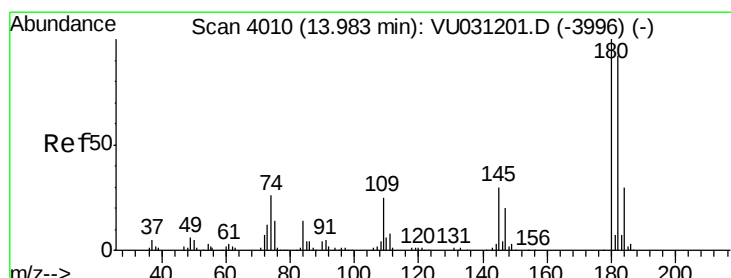
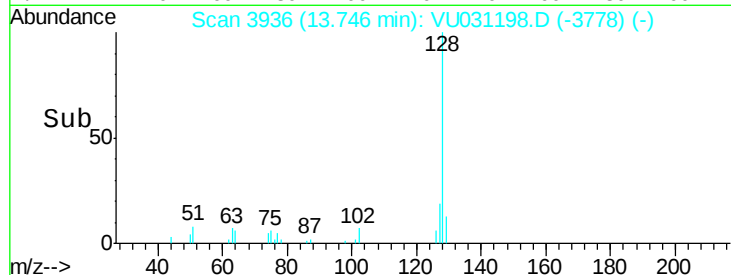
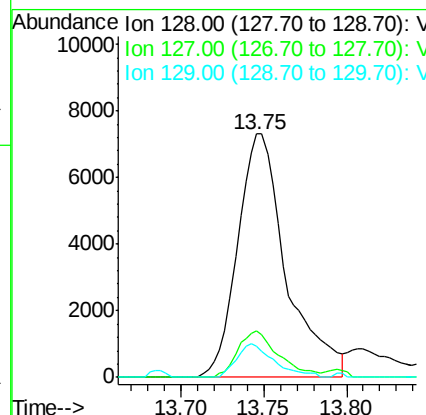
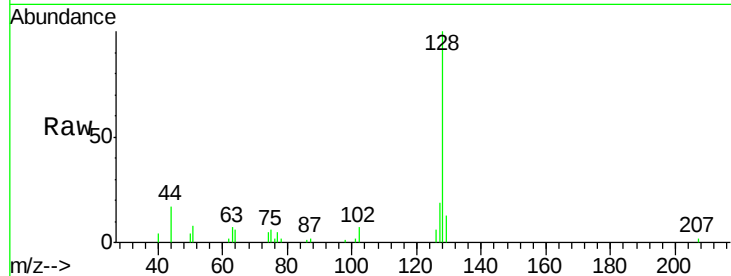
#89
Naphthalene
Concen: 0.799 ug/l
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.0	11.0	16.4
129	10.6	8.3	12.5

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 0.963 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU031198.D
Acq: 15 Apr 2019 21:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.4	114.6
145	26.7	25.3	37.9

