

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031508.D
 Acq On : 25 Apr 2019 19:23
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:25 PM

Quant Time: Apr 26 03:48:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 02:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	70482	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22878	0.90	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23670	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.20	85	65206	2.135	ug/l	99
3) Chloromethane	1.32	50	73665	2.243	ug/l	98
4) Vinyl Chloride	1.40	62	72403	2.256	ug/l	97
5) Bromomethane	1.63	94	34065	1.890	ug/l	97
6) Chloroethane	1.70	64	40338	1.891	ug/l	95
7) Trichlorofluoromethane	1.88	101	81339	1.809	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	43016	1.928	ug/l	94
9) 1,1-Dichloroethene	2.28	96	40798	1.830	ug/l	100
10) Iodomethane	2.41	142	41934	1.428	ug/l	99
11) Allyl Chloride	2.59	41	87671	1.980	ug/l	100
12) Acrylonitrile	2.94	53	22370	3.459	ug/l	94
13) Acetone	2.33	43	53940	9.136	ug/l	95
14) Carbon Disulfide	2.47	76	154260	1.867	ug/l	99
15) Methylene Chloride	2.70	84	49509	1.727	ug/l	95
16) trans-1,2-Dichloroethene	2.97	96	44432	1.803	ug/l	93
17) 1,1-Dichloroethane	3.44	63	92549	2.250	ug/l	99
18) 2-Butanone	4.28	43	67513	10.576	ug/l	97
19) Cyclohexane	4.98	56	67088m	2.256	ug/l	
20) Methylcyclohexane	6.41	83	52354	1.826	ug/l	90
21) 2,2-Dichloropropane	4.22	77	67083	2.136	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	46689	2.095	ug/l	99
23) Diethyl Ether	2.10	59	37292	1.791	ug/l	98
24) tert-Butyl Alcohol	2.85	59	38546	17.535	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	113602	1.750	ug/l	99
26) Bromochloromethane	4.54	128	19799	1.972	ug/l	96
27) Chloroform	4.67	83	84573	2.104	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	71172	2.092	ug/l	99
29) 1,1-Dichloropropene	5.13	75	56423	1.969	ug/l	97
30) Carbon Tetrachloride	5.13	117	59326	1.989	ug/l	91
31) Isopropyl Ether	3.57	45	134907	2.214	ug/l	97
32) Ethyl-t-butyl ether	4.07	59	104609	2.043	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	82491	1.895	ug/l	97
34) Propionitrile	4.35	54	19148	10.898	ug/l	94
35) Benzene	5.39	78	181335	2.147	ug/l	100
36) 1,2-Dichloroethane	5.40	62	56361	2.094	ug/l	99
37) Trichloroethene	6.18	130	42190	1.809	ug/l	99
38) 1,2-Dichloropropane	6.43	63	50917	2.250	ug/l	99
39) Methacrylonitrile	4.55	41	14160	1.794	ug/l #	92
40) Methyl acrylate	4.43	55	18896	1.855	ug/l #	93
41) Tetrahydrofuran	4.65	42	16460	4.089	ug/l	97
42) 1-Chlorobutane	5.06	56	84709	2.067	ug/l	98

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 MSVOA_U
 ClientSampled :
 VSTDIC002

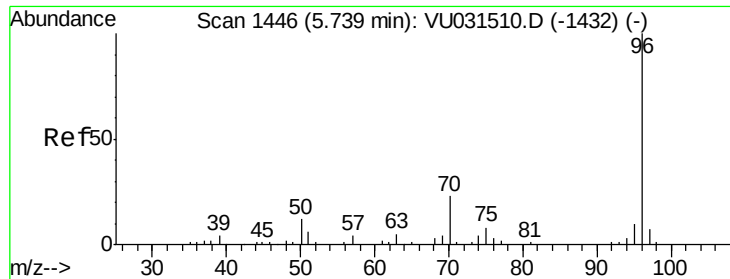
Manual Integrations
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 4/26/2019 12:22:25 PM

Quant Time: Apr 26 03:48:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 02:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	24238	2.023	ug/l	96
44) Bromodichloromethane	6.75	83	61641	2.123	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	139103	9.817	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	19853m	3.771	ug/l	
47) Methyl methacrylate	6.63	69	36708	3.668	ug/l	96
48) Ethyl methacrylate	8.02	69	29664	1.682	ug/l	93
49) Toluene	7.63	92	87261	1.896	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	44899	1.832	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	57008	1.953	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	33423	2.080	ug/l	93
53) 1,3-Dichloropropane	8.24	76	54923	1.999	ug/l	98
54) 2-Hexanone	8.37	43	94048	9.812	ug/l	93
55) Dibromochloromethane	8.47	129	34496	1.817	ug/l	97
56) 1,2-Dibromoethane	8.59	107	28608	1.918	ug/l	98
58) Tetrachloroethene	8.22	164	45484	2.284	ug/l	95
59) Chlorobenzene	9.12	112	95496	1.886	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	38276	2.010	ug/l	98
61) Pentachloroethane	11.10	117	27849	1.914	ug/l	89
62) Hexachloroethane	12.14	117	25887	1.821	ug/l	98
63) Ethyl Benzene	9.25	91	148770	1.829	ug/l	98
64) m/p-Xylenes	9.37	106	109959	3.566	ug/l	98
65) o-Xylene	9.78	106	54651	1.847	ug/l	96
66) Styrene	9.79	104	85307	1.700	ug/l	94
67) Bromoform	9.96	173	20762	1.916	ug/l	97
69) Isopropylbenzene	10.16	105	143290	1.811	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	40312	1.932	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	30221m	2.012	ug/l	
72) Bromobenzene	10.45	156	37307	1.797	ug/l	96
73) n-propylbenzene	10.58	120	37474	1.778	ug/l	97
74) 2-Chlorotoluene	10.66	126	35648	1.836	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	120675	1.793	ug/l	98
76) 4-Chlorotoluene	10.77	126	36445	1.857	ug/l	95
77) tert-Butylbenzene	11.10	119	118041	1.816	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	124022	1.832	ug/l	100
79) sec-Butylbenzene	11.32	105	158602	1.799	ug/l	99
80) Nitrobenzene	12.89	77	2982m	4.514	ug/l	
81) p-Isopropyltoluene	11.47	119	121446	1.722	ug/l	98
82) 1,3-Dichlorobenzene	11.41	146	75052	1.828	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	75322	1.900	ug/l	96
84) n-Butylbenzene	11.89	91	116348	1.704	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	73501	1.917	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	5793	1.959	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	35368	1.540	ug/l	97
88) Hexachlorobutadiene	13.69	225	27265	1.753	ug/l	98
89) Naphthalene	13.75	128	53610	1.396	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	36508	1.583	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 96 Resp: 70482

Ion Ratio Lower Upper

96 100

70 20.1 18.2 27.2

95 9.6 7.7 11.5

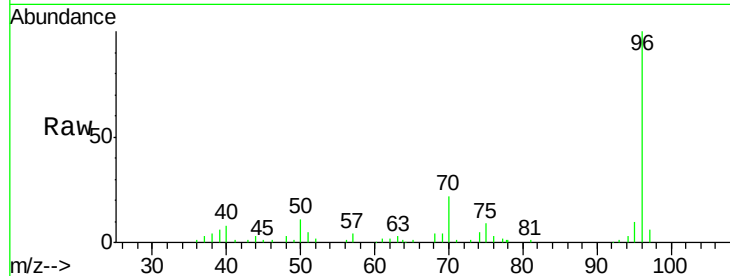
97 5.5 0.0 0.0#

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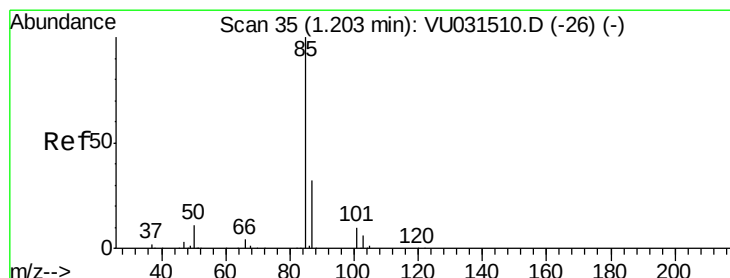
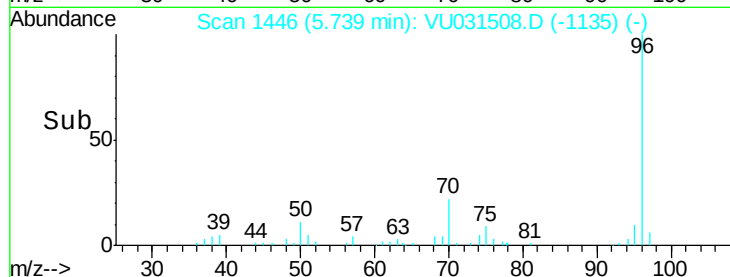
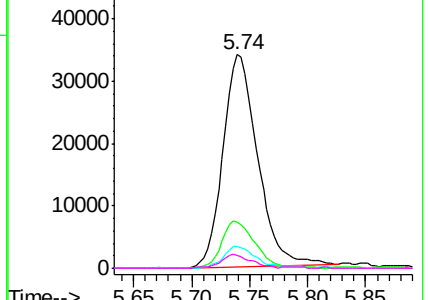


Abundance Ion 96.00 (95.70 to 96.70): VU031510.D (-1432) (-)

Ion 70.00 (69.70 to 70.70): VU031510.D (-1432) (-)

Ion 95.00 (94.70 to 95.70): VU031510.D (-1432) (-)

Ion 97.00 (96.70 to 97.70): VU031510.D (-1432) (-)



#2

Dichlorodifluoromethane

Concen: 2.135 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031508.D

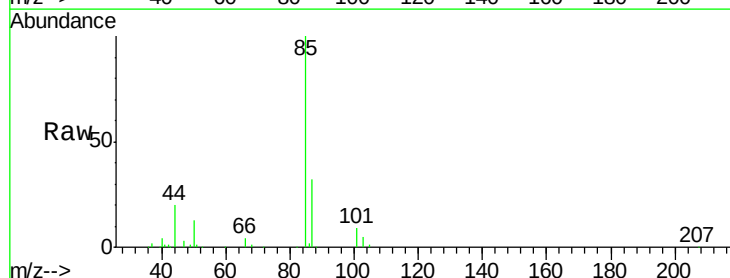
Acq: 25 Apr 2019 19:23

Tgt Ion: 85 Resp: 65206

Ion Ratio Lower Upper

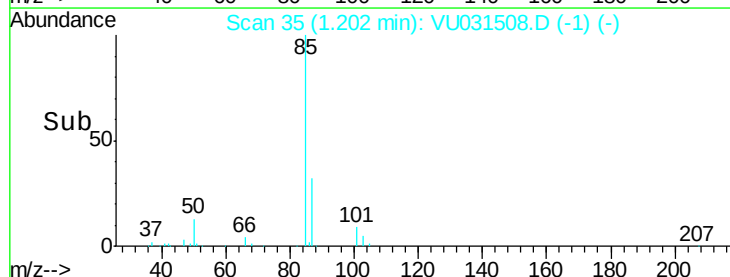
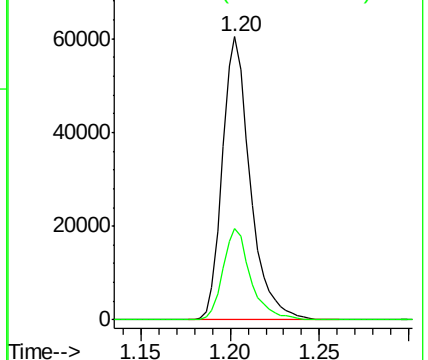
85 100

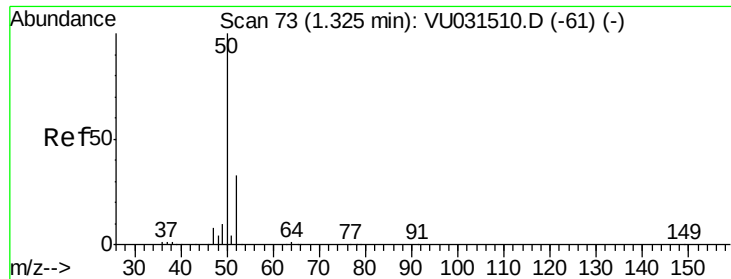
87 32.5 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VU031510.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU031510.D (-26) (-)





#3

Chloromethane

Concen: 2.243 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 73665

Ion Ratio Lower Upper

50 100

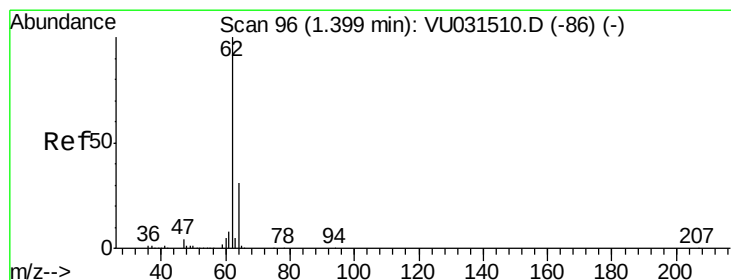
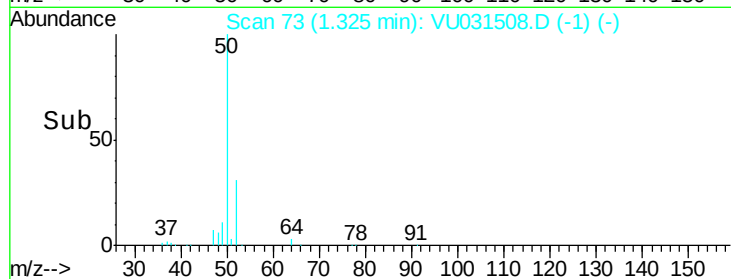
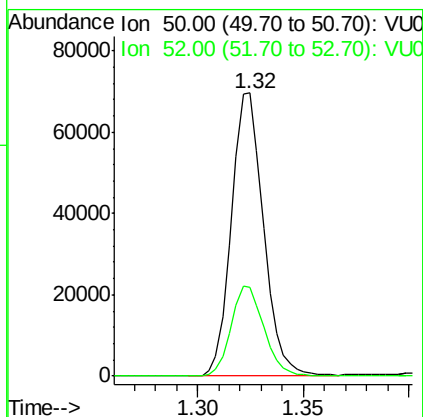
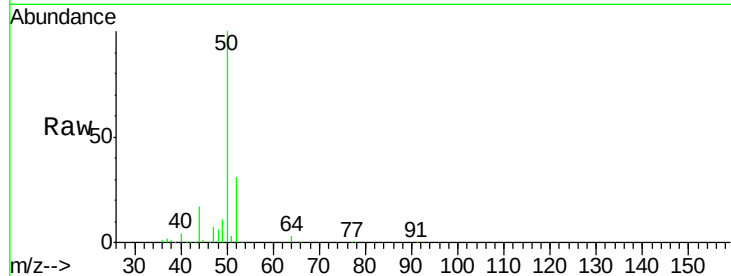
52 31.4 26.1 39.1

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#4

Vinyl Chloride

Concen: 2.256 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031508.D

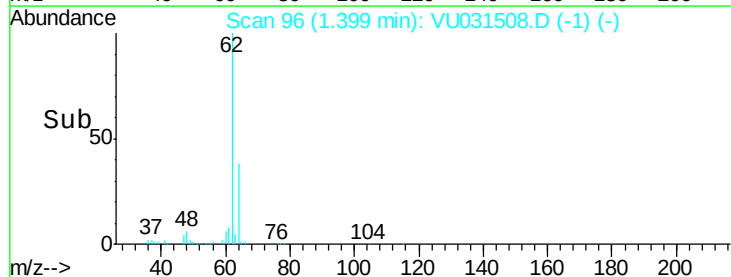
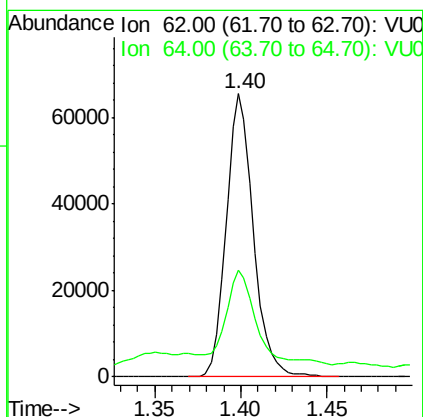
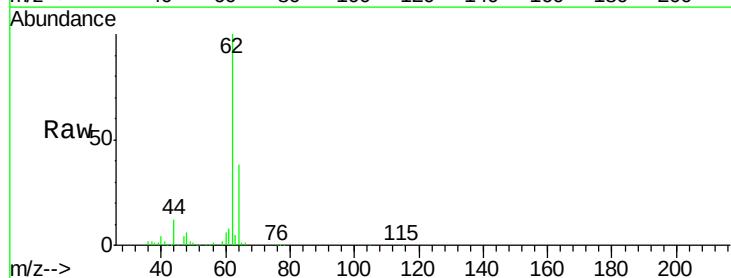
Acq: 25 Apr 2019 19:23

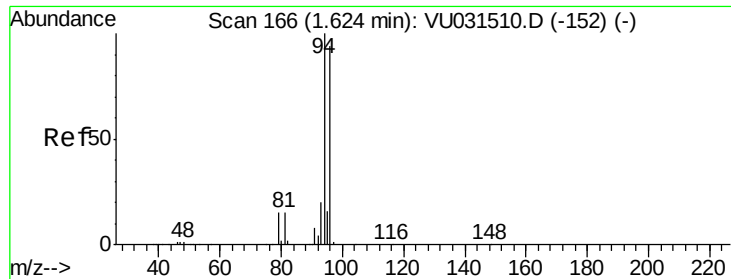
Tgt Ion: 62 Resp: 72403

Ion Ratio Lower Upper

62 100

64 33.3 25.5 38.3





#5

Bromomethane

Concen: 1.890 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 34065

Ion Ratio Lower Upper

94 100

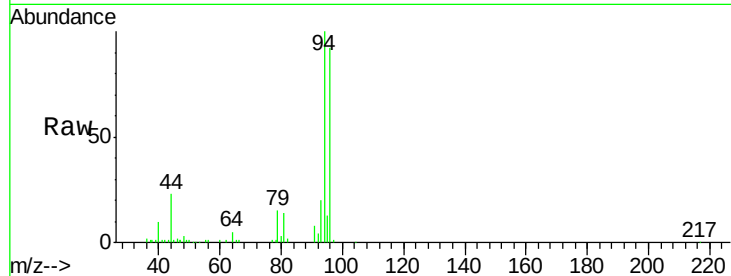
96 91.5 75.5 113.3

Manual Integrations

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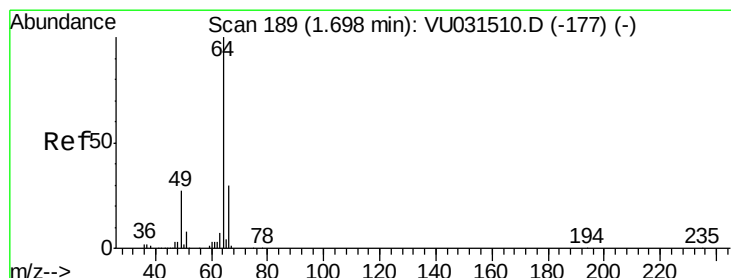
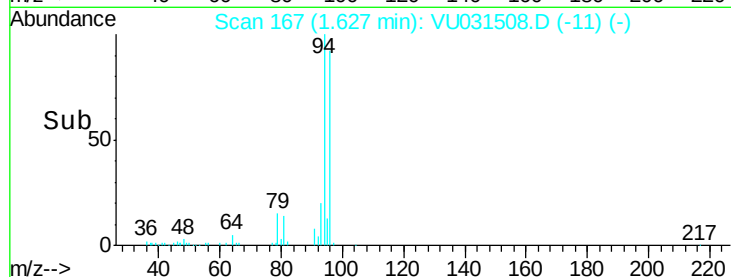
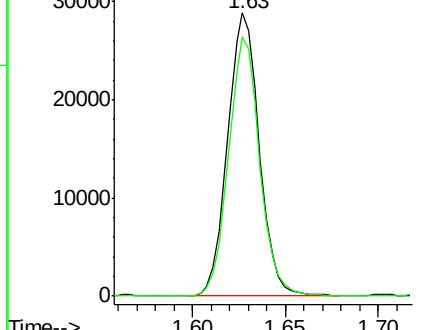
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Abundance Ion 94.00 (93.70 to 94.70): VU031510.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU031510.D (-152) (-)



#6

Chloroethane

Concen: 1.891 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031508.D

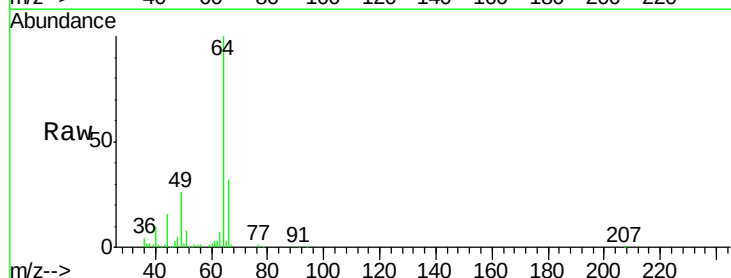
Acq: 25 Apr 2019 19:23

Tgt Ion: 64 Resp: 40338

Ion Ratio Lower Upper

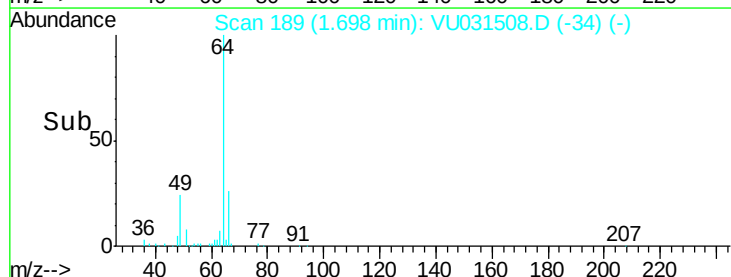
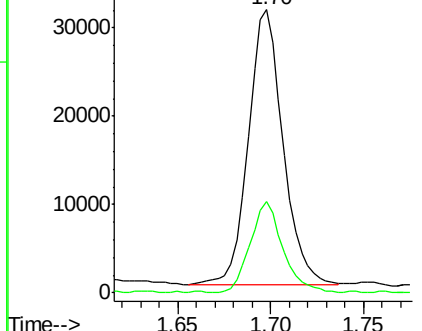
64 100

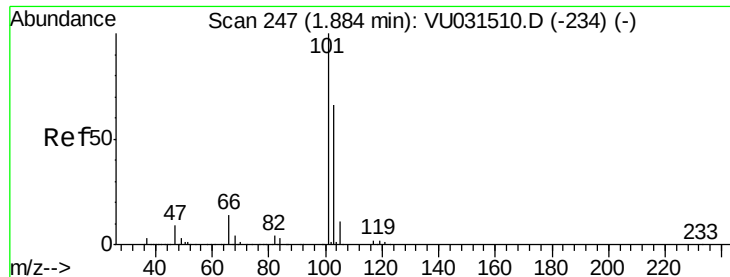
66 33.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU031510.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU031510.D (-177) (-)





#7

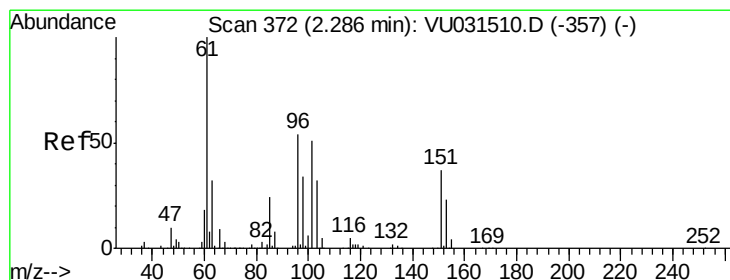
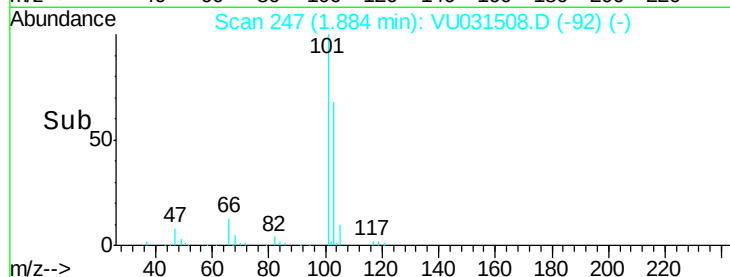
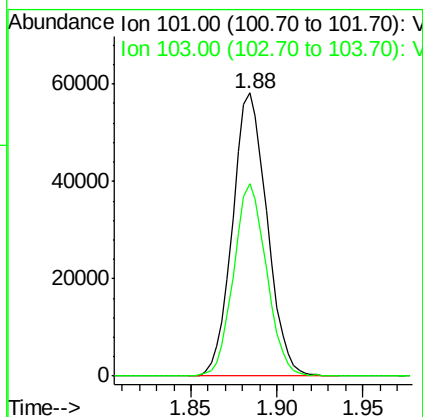
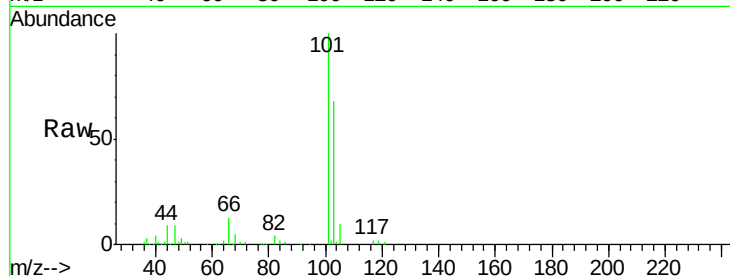
Trichlorofluoromethane
Concen: 1.809 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.8	79.2

Manual Integrations
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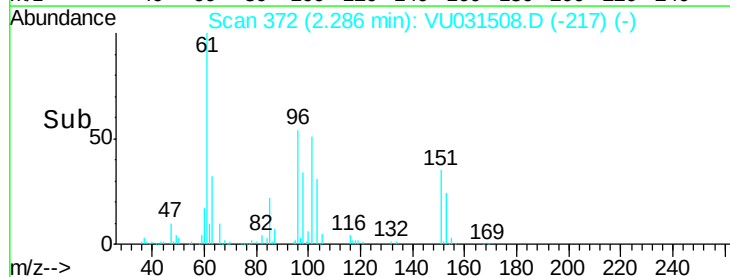
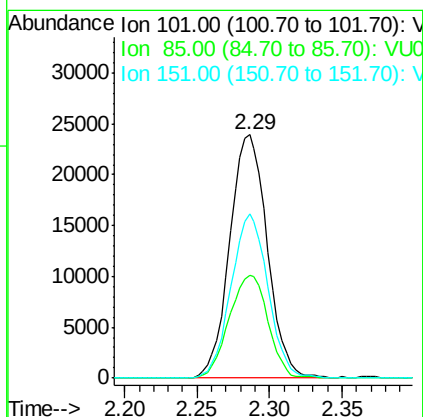
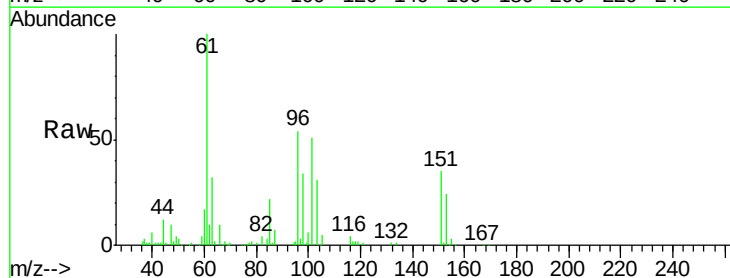
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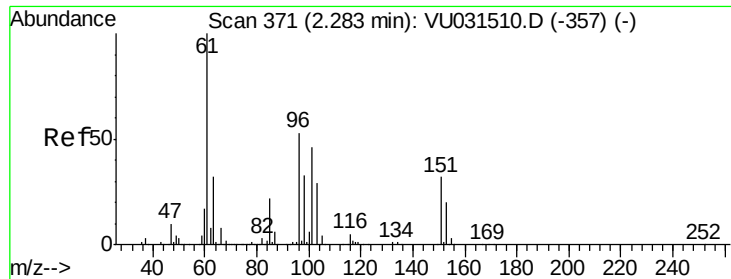


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.928 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.7	37.8	56.6
151	66.4	57.4	86.0





#9

1,1-Dichloroethene

Concen: 1.830 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

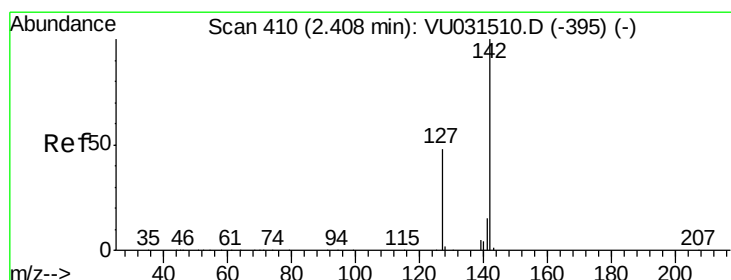
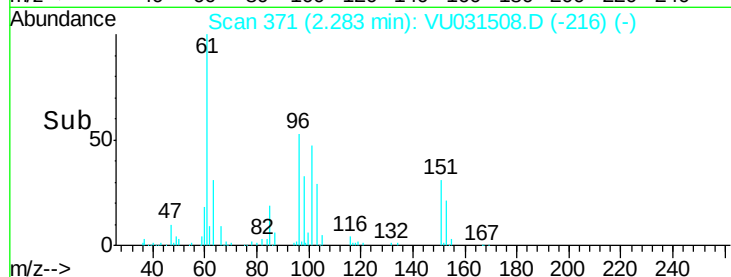
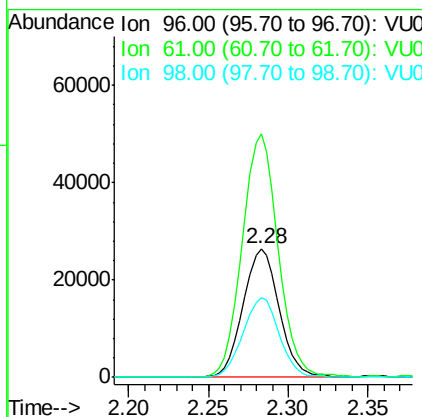
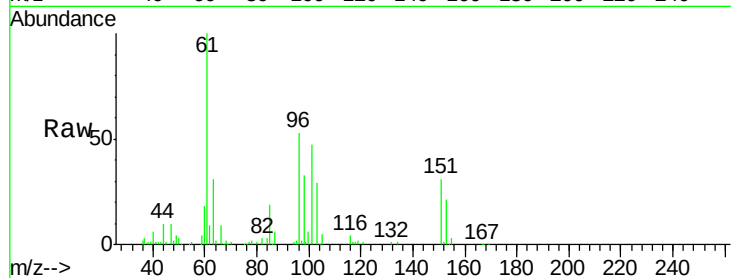
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	40798
Ion	Ratio	Lower	Upper
96	100		
61	188.8	0.0	566.7
98	61.9	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 1.428 ug/l

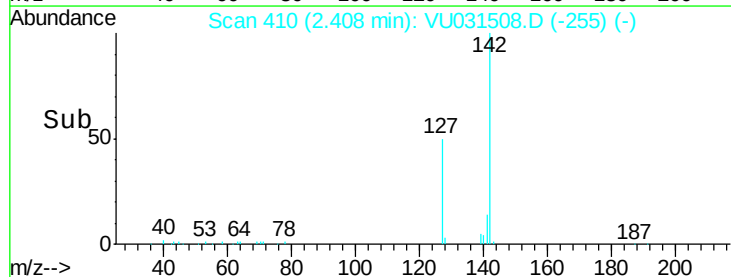
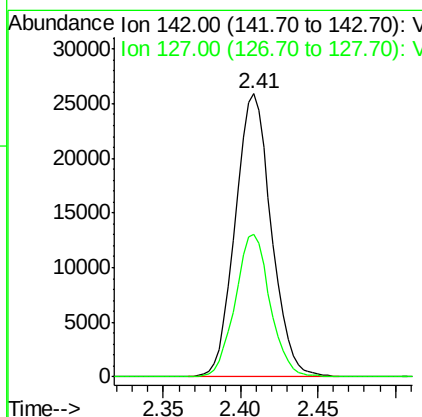
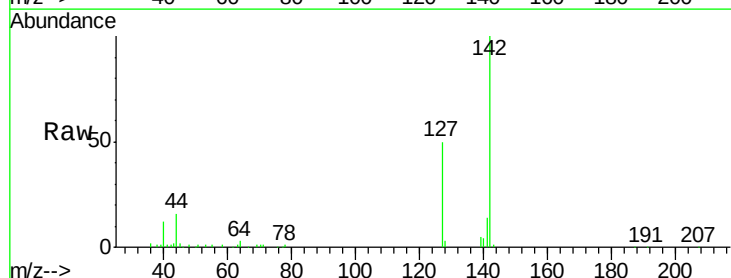
RT: 2.41 min Scan# 410

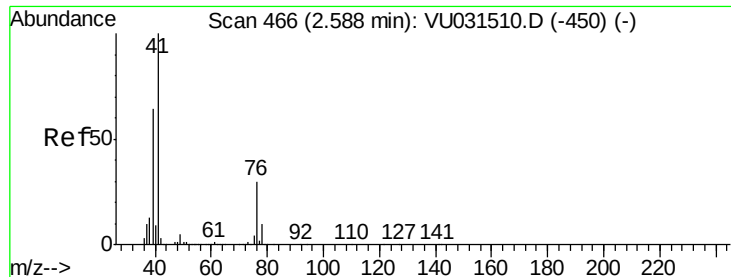
Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Tgt Ion:	142	Resp:	41934
Ion	Ratio	Lower	Upper
142	100		
127	48.6	38.2	57.2





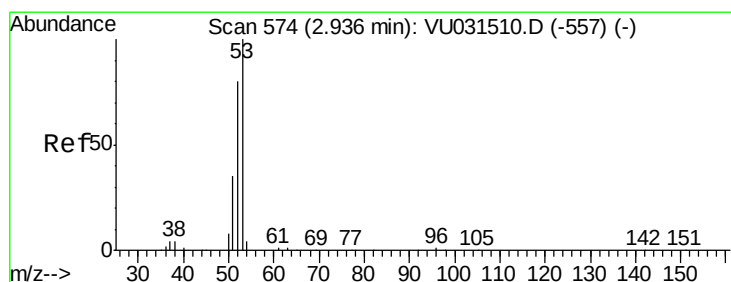
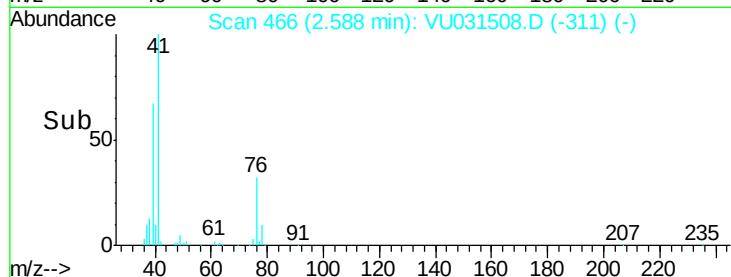
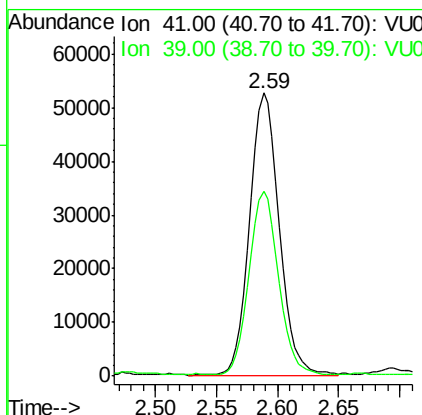
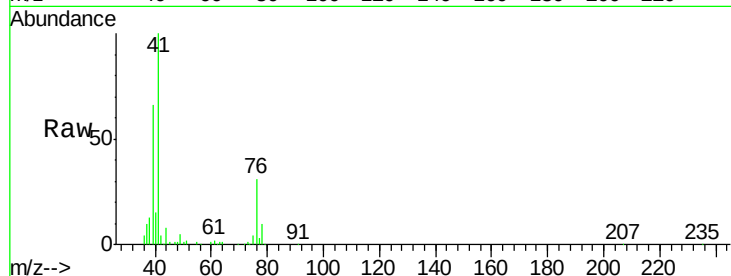
#11
Allvl Chloride
Concen: 1.980 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 87671
Ion Ratio Lower Upper
41 100
39 64.4 51.4 77.0

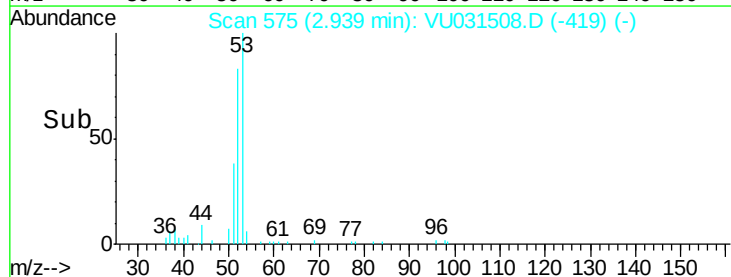
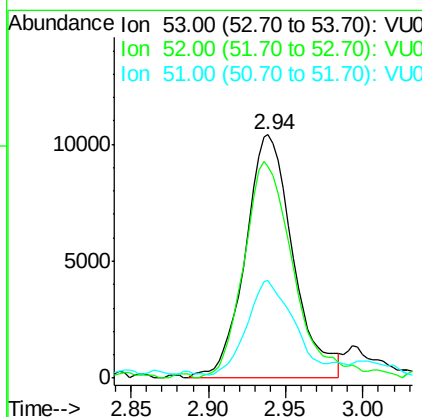
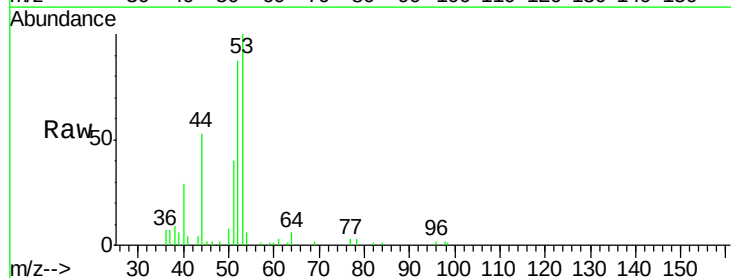
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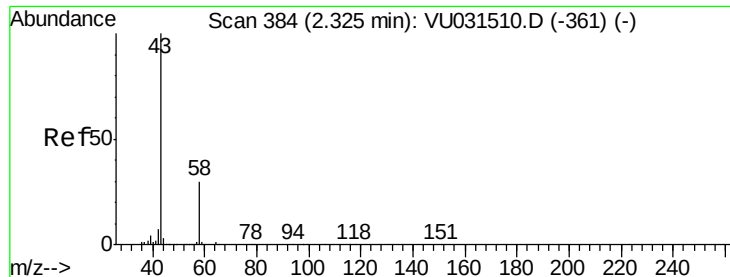
MMdadoda
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#12
Acrylonitrile
Concen: 3.459 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion: 53 Resp: 22370
Ion Ratio Lower Upper
53 100
52 92.1 69.4 104.0
51 37.3 27.5 41.3





#13

Acetone

Concen: 9.136 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 53940

Ion Ratio Lower Upper

43 100

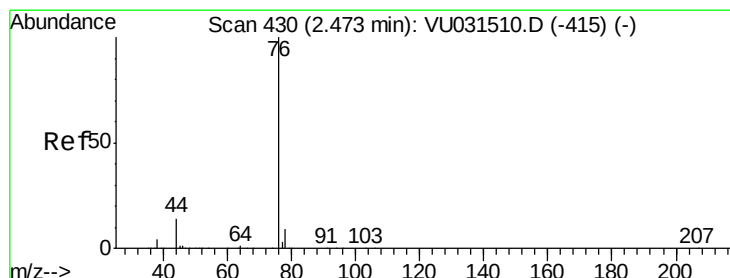
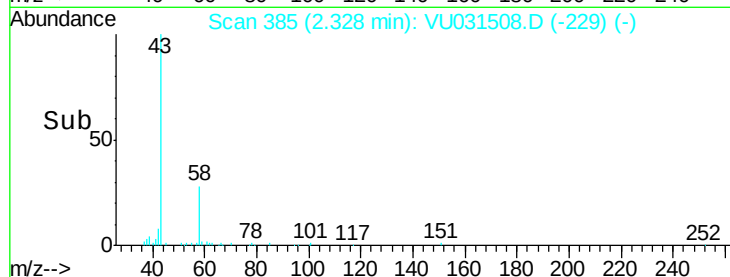
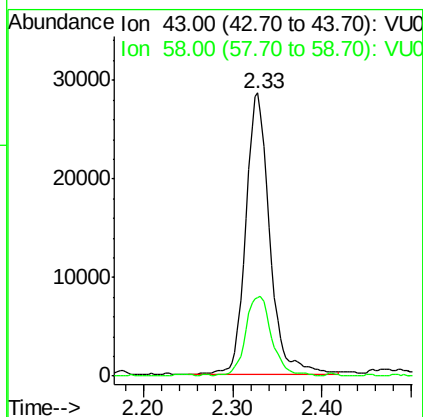
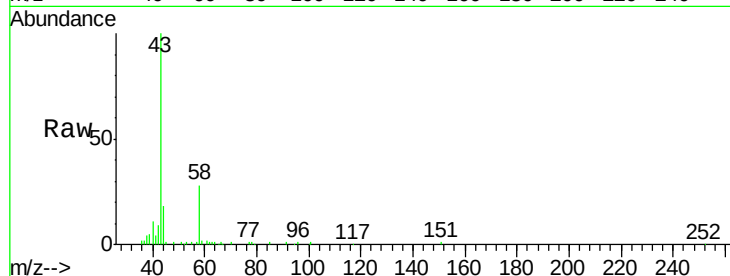
58 27.5 24.1 36.1

Manual Integrations

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#14

Carbon Disulfide

Concen: 1.867 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031508.D

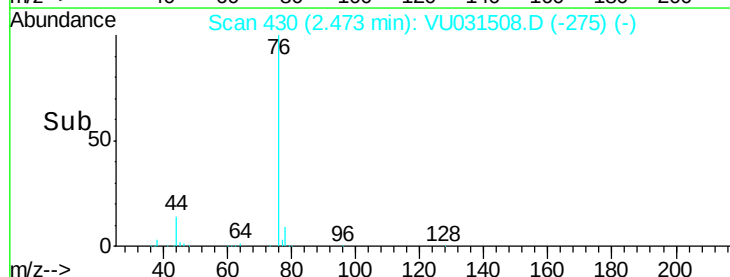
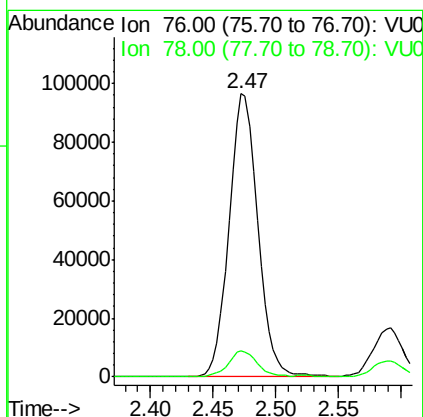
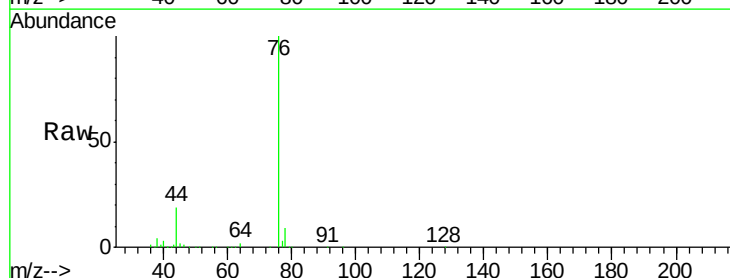
Acq: 25 Apr 2019 19:23

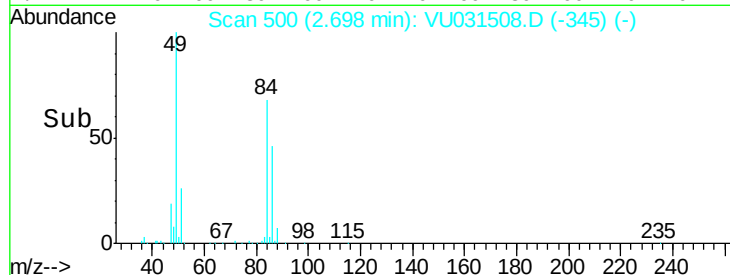
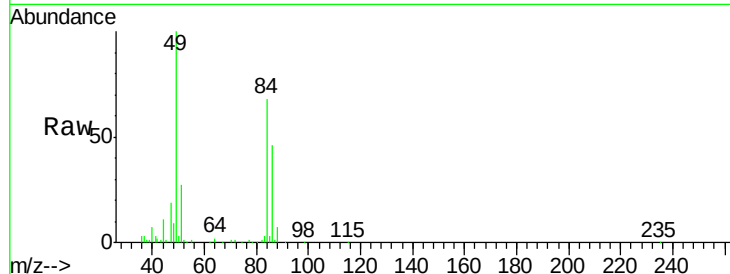
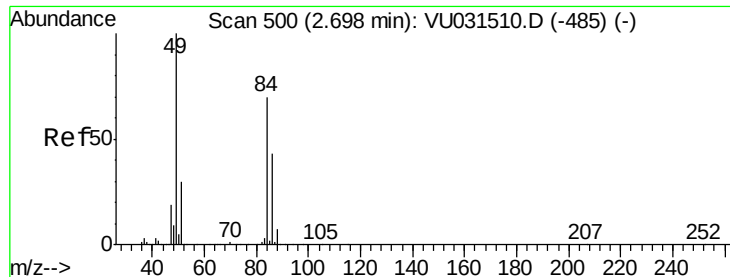
Tgt Ion: 76 Resp: 154260

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





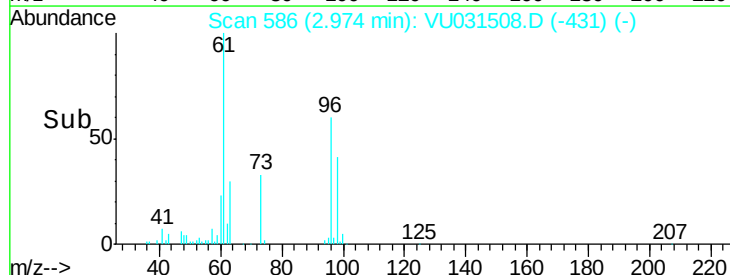
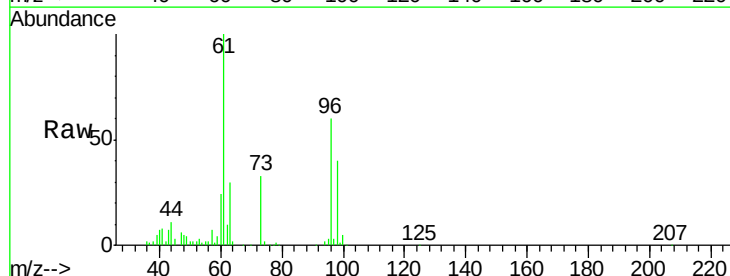
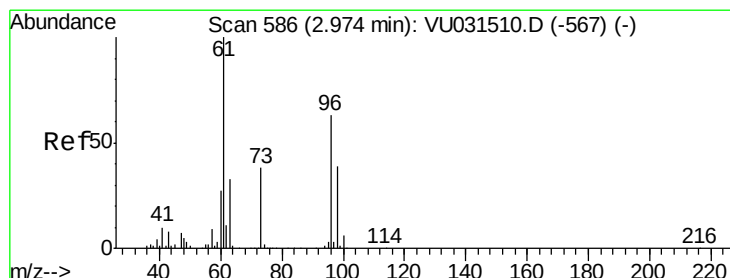
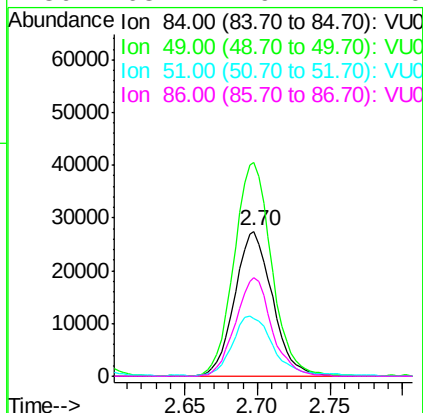
#15
Methylene Chloride
Concen: 1.727 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tot Ion:	84	Resp:	49509
Ion	Ratio	Lower	Upper
84	100		
49	147.0	113.6	170.4
51	39.4	0.0	85.6
86	68.1	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

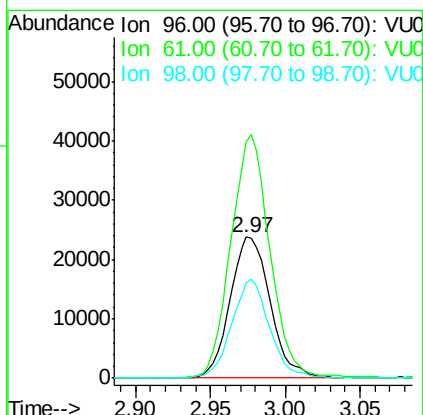
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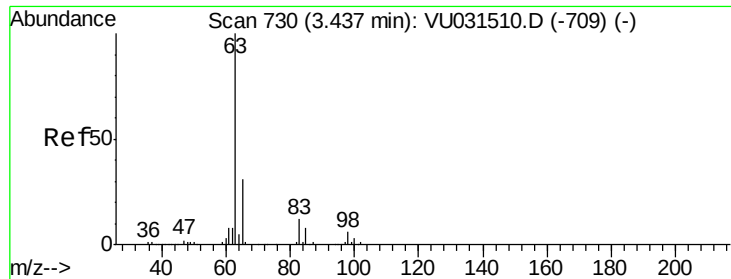
MMdadoda
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#16
trans-1,2-Dichloroethene
Concen: 1.803 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion:	96	Resp:	44432
Ion	Ratio	Lower	Upper
96	100		
61	167.0	127.2	190.8
98	67.7	49.4	74.0





#17

1,1-Dichloroethane

Concen: 2.250 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

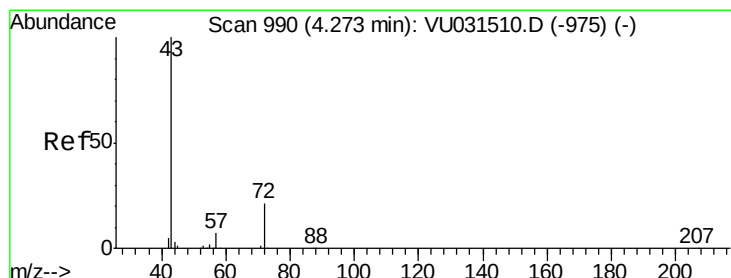
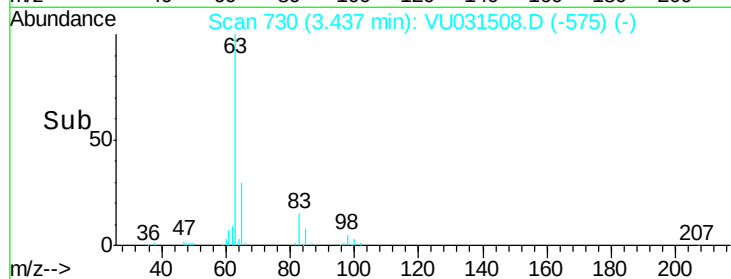
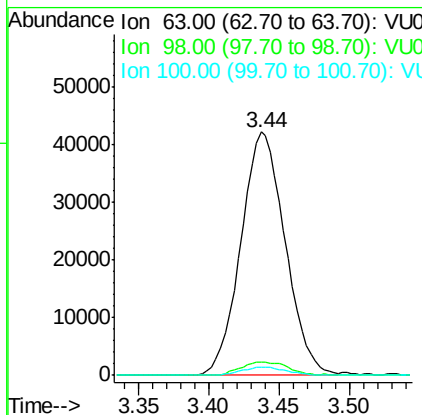
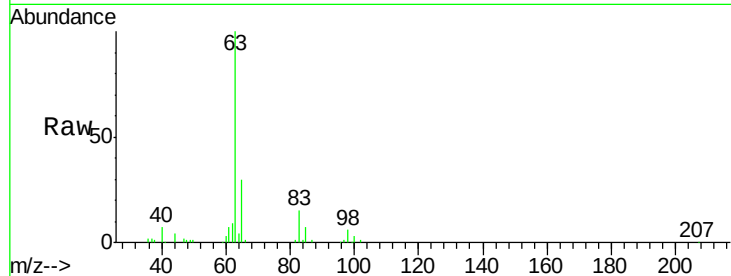
ClientSampled :

VSTDIC002

Tot Ion:	63	Resp:	92549
Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.2
100	3.4	1.7	5.1

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#18

2-Butanone

Concen: 10.576 ug/l

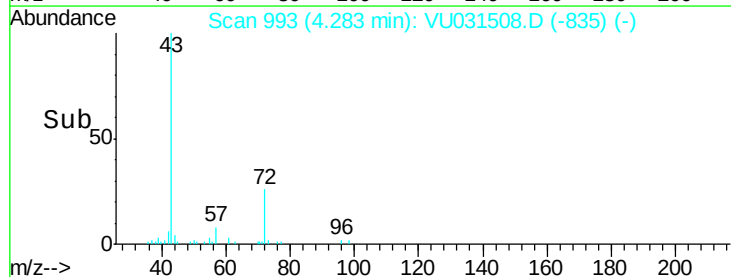
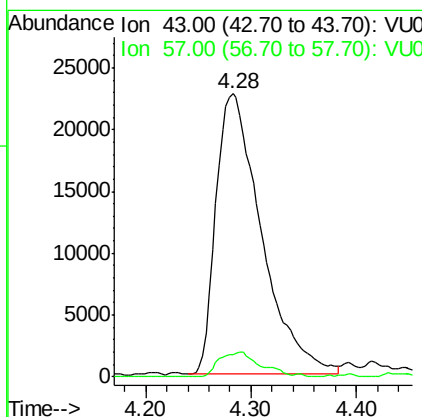
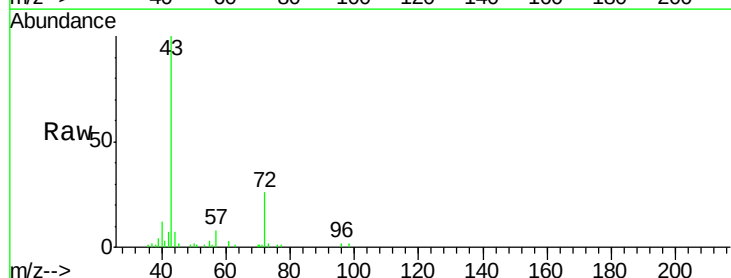
RT: 4.28 min Scan# 993

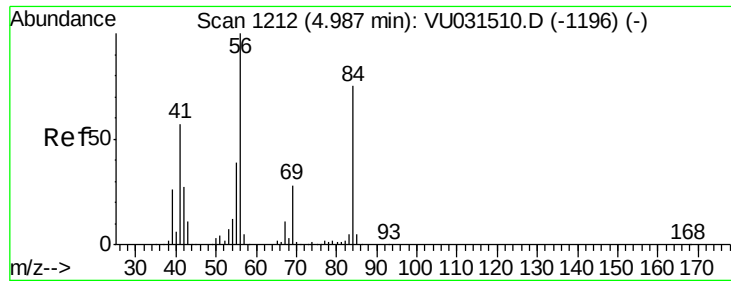
Delta R.T. 0.01 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Tgt Ion:	43	Resp:	67513
Ion	Ratio	Lower	Upper
43	100		
57	8.1	0.0	14.2





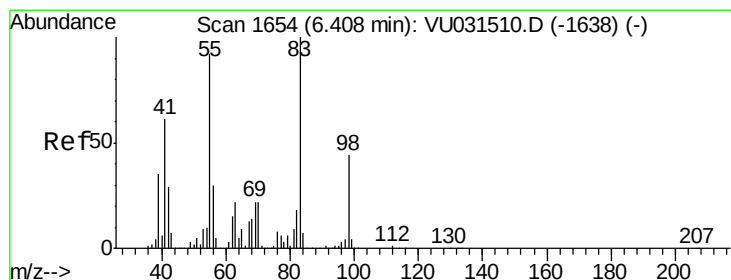
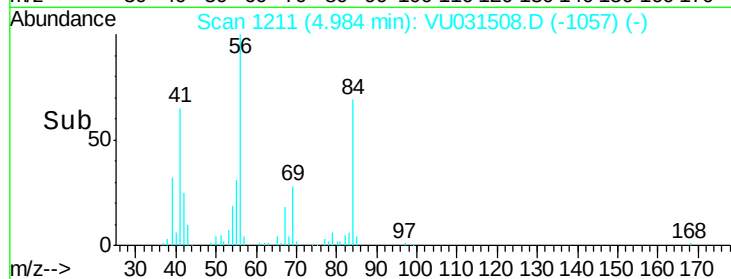
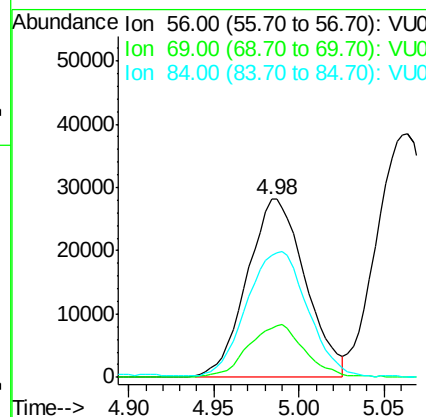
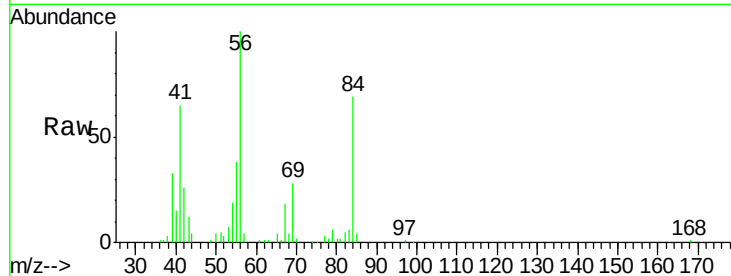
#19
Cyclohexane
Concen: 2.256 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.3	22.4	33.6
84	72.3	59.0	88.4

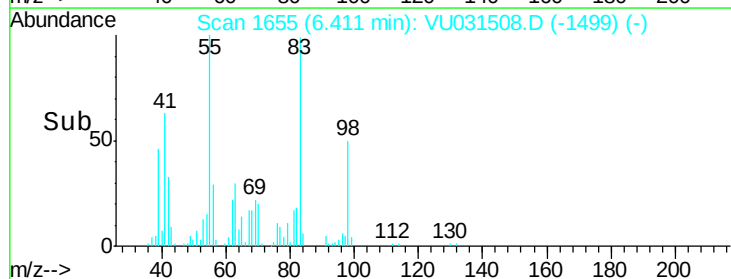
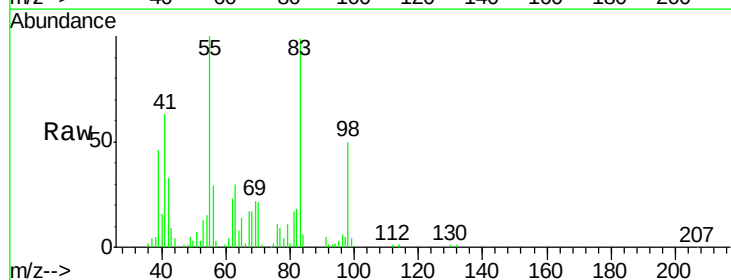
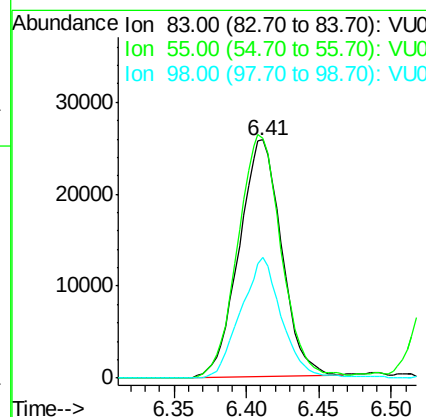
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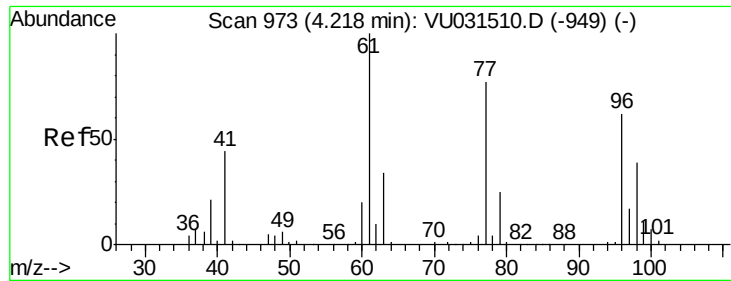
MMdadoda
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#20
Methylcyclohexane
Concen: 1.826 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	103.3	73.7	110.5
98	48.0	35.2	52.8





#21

2,2-Dichloropropane

Concen: 2.136 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 77 Resp: 67083

Ion Ratio Lower Upper

77 100

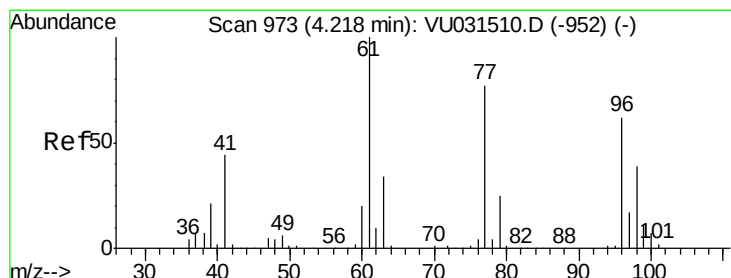
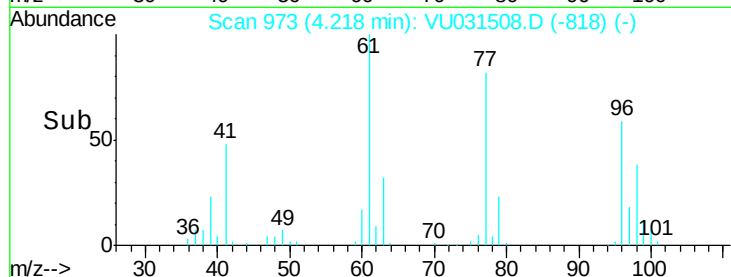
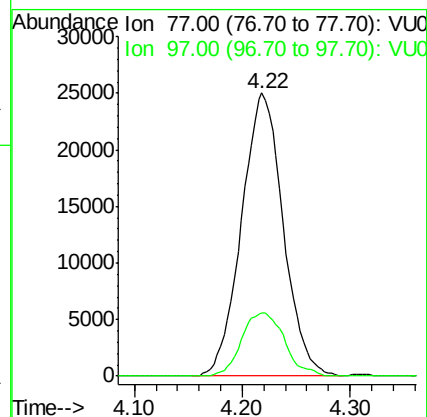
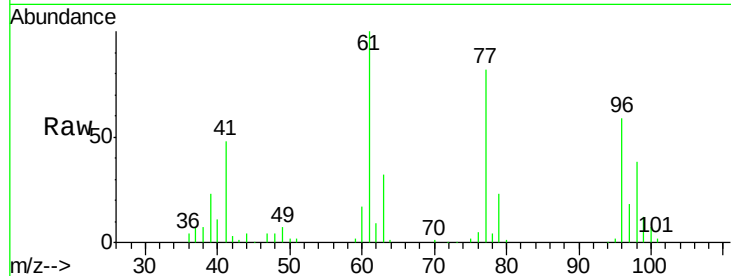
97 23.0 17.5 26.3

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#22

cis-1,2-Dichloroethene

Concen: 2.095 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

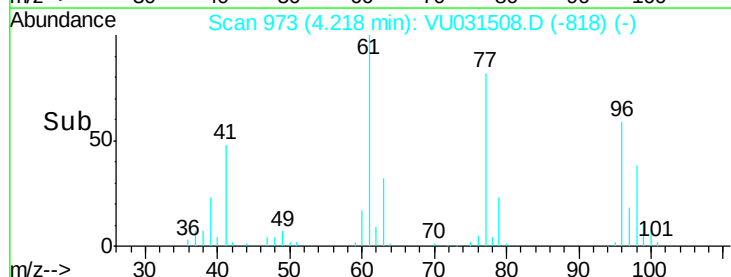
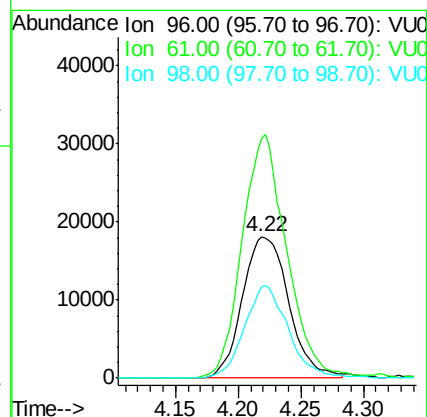
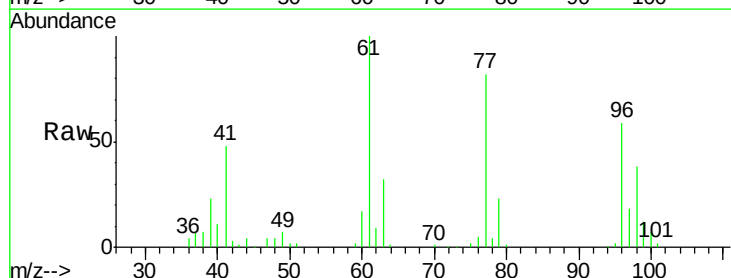
Tgt Ion: 96 Resp: 46689

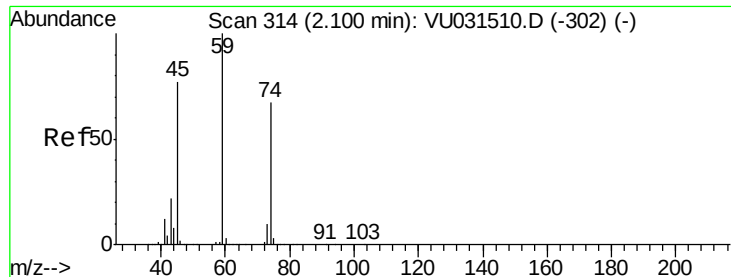
Ion Ratio Lower Upper

96 100

61 165.2 0.0 408.8

98 61.7 31.1 93.3





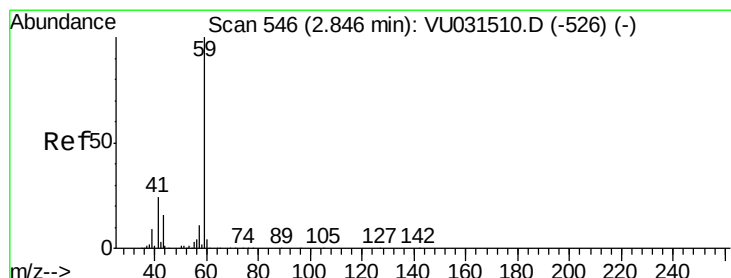
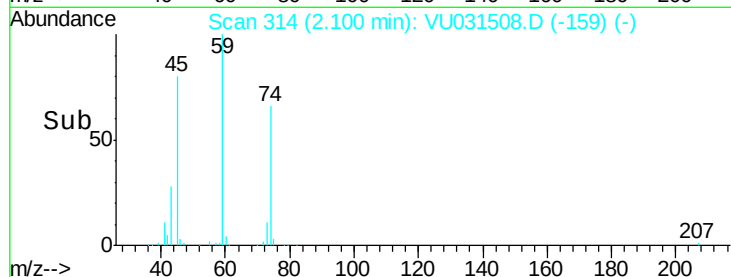
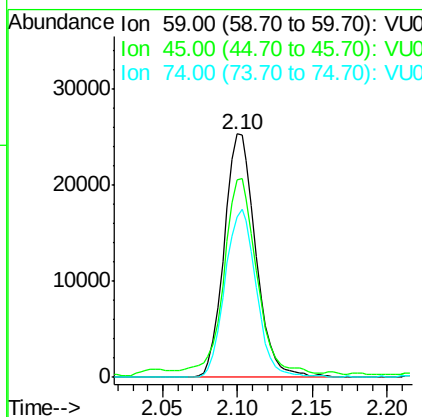
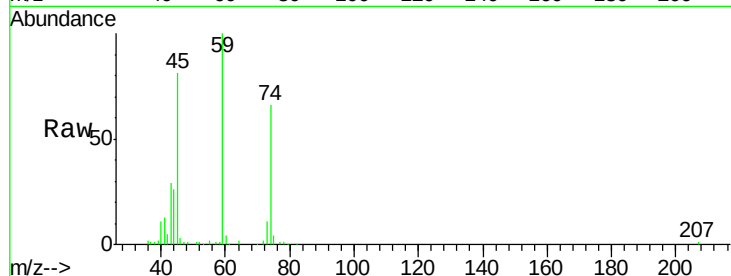
#23
Diethyl Ether
Concen: 1.791 ug/l
RT: 2.10 min Scan# 314
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	83.4	64.5	96.7
74	68.4	54.6	81.8

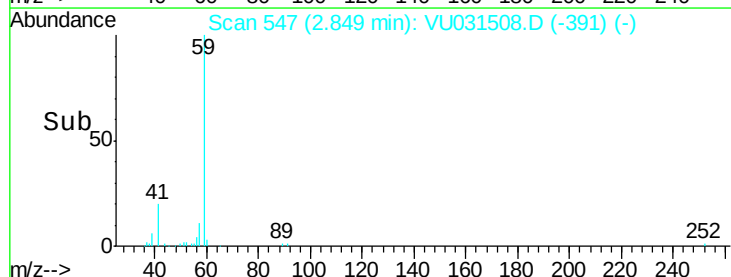
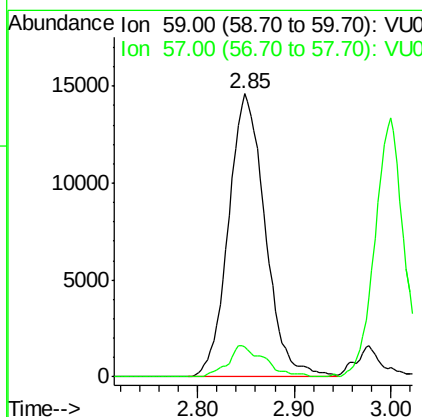
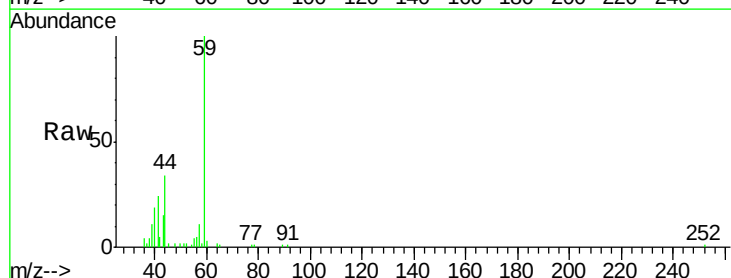
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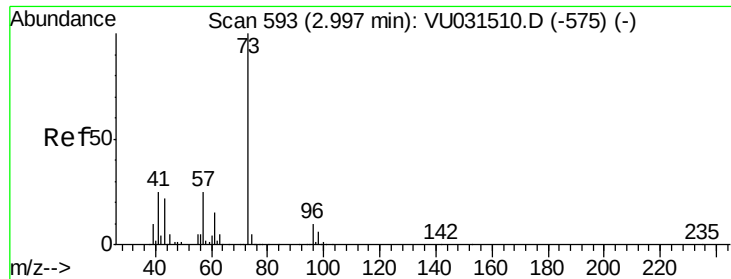
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 17.535 ug/l
RT: 2.85 min Scan# 547
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2





#25

Methyl tert-Butyl Ether

Concen: 1.750 ug/l

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Tot Ion: 73 Resp: 113602

Ion Ratio Lower Upper

73 100

43 21.7 16.9 25.3

Instrument :

MSVOA_U

ClientSampleId :

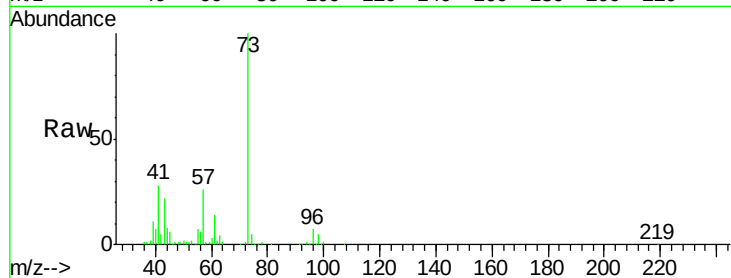
VSTDIC002

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU031510.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU031510.D (-575) (-)

60000

50000

40000

30000

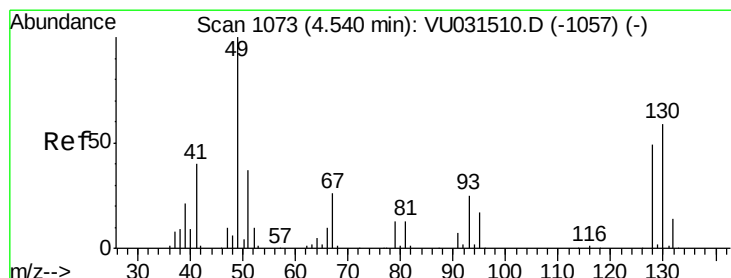
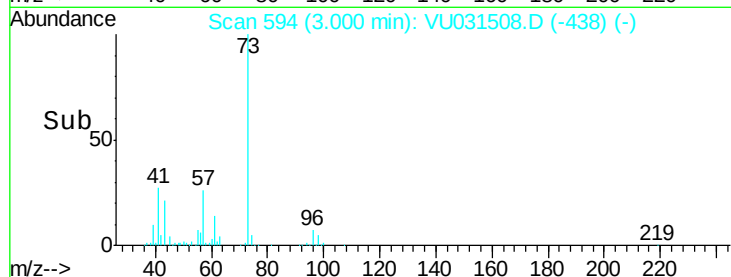
20000

10000

0

Time-->

2.90 2.95 3.00 3.05



#26

Bromochloromethane

Concen: 1.972 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

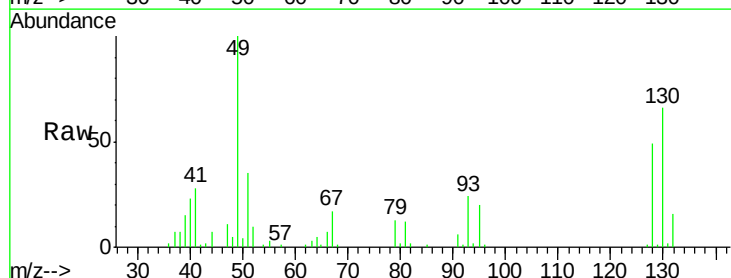
Tgt Ion: 128 Resp: 19799

Ion Ratio Lower Upper

128 100

49 205.0 0.0 407.2

130 136.8 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): VU031510.D (-1057) (-)

Ion 49.00 (48.70 to 49.70): VU031510.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU031510.D (-1057) (-)

25000

20000

15000

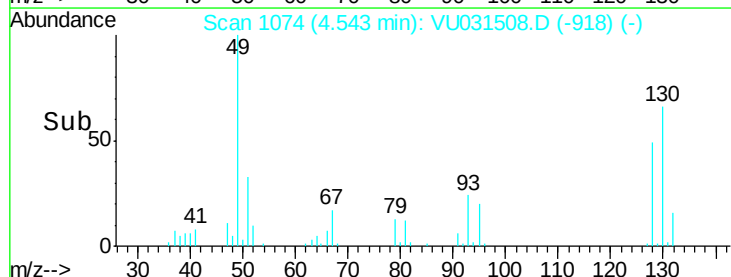
10000

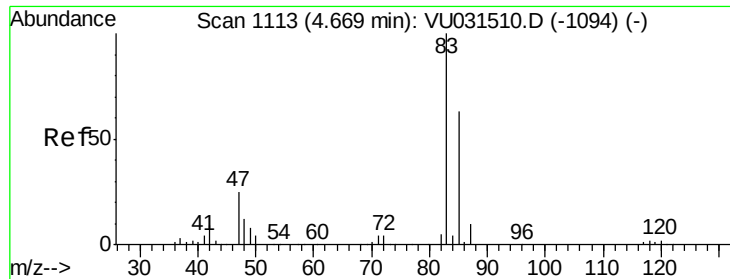
5000

0

Time-->

4.45 4.50 4.55 4.60





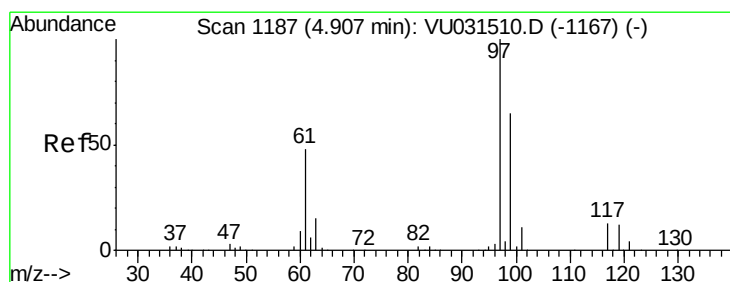
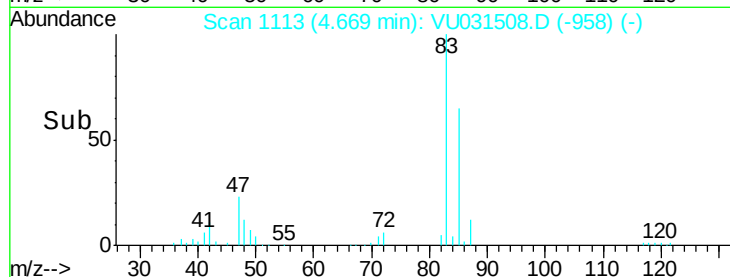
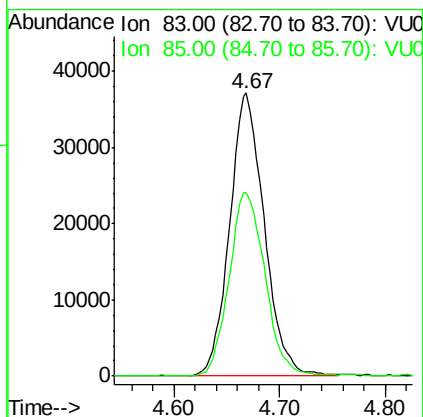
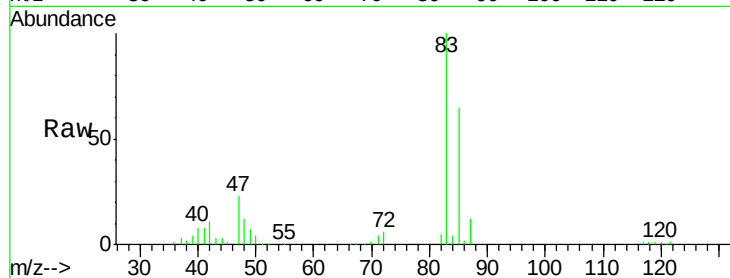
#27
Chloroform
Concen: 2.104 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	84573
Ion Ratio	100	Lower	Upper
85	64.7	0.0	126.2

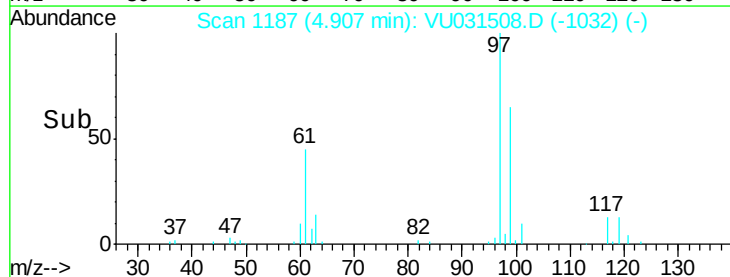
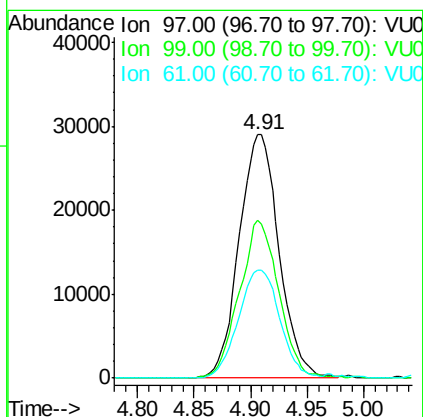
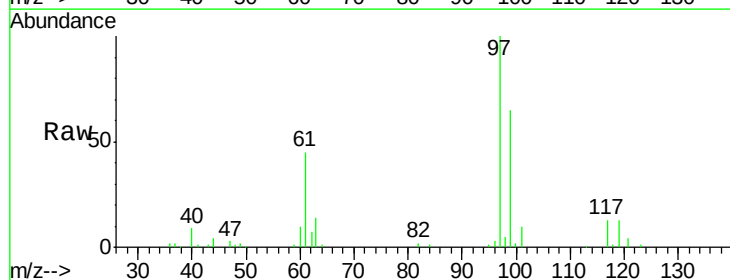
Manual Integrations
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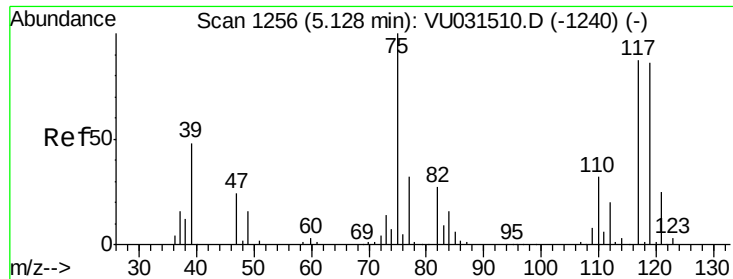
MMdadoda
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#28
1,1,1-Trichloroethane
Concen: 2.092 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	97	Resp	71172
Ion Ratio	100	Lower	Upper
99	63.8	32.0	96.2
61	46.2	24.0	72.0





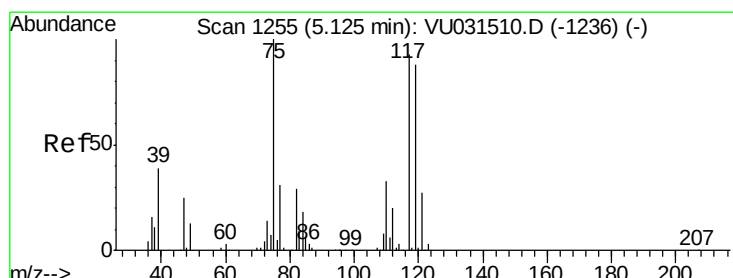
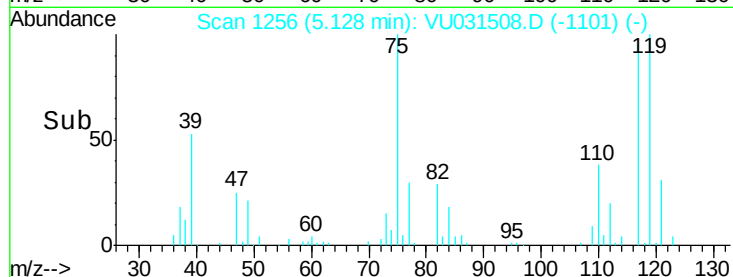
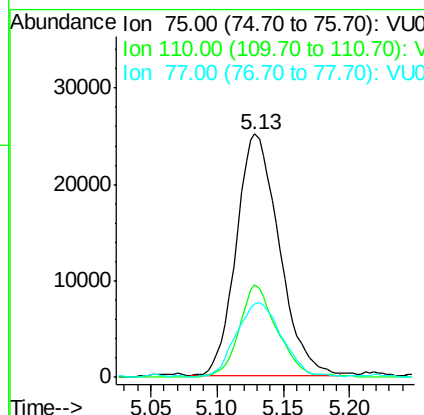
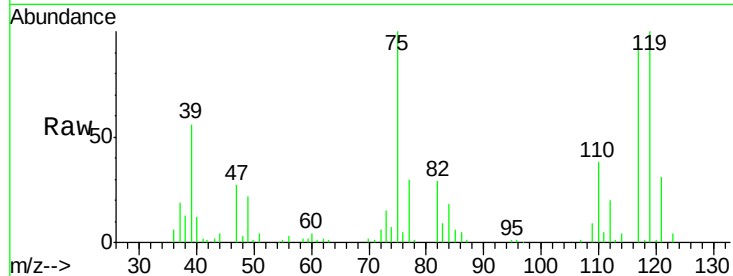
#29
 1,1-Dichloropropene
 Concen: 1.969 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.1	16.4	49.1
77	33.1	25.0	37.6

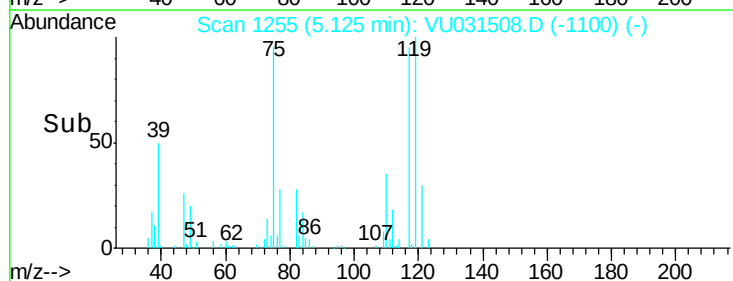
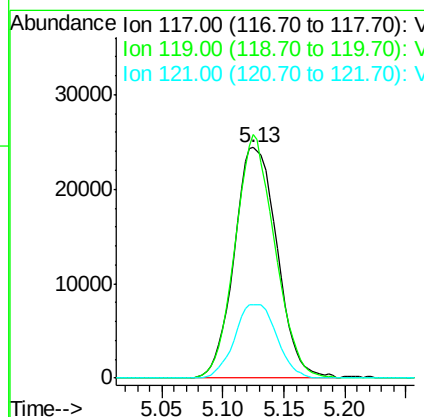
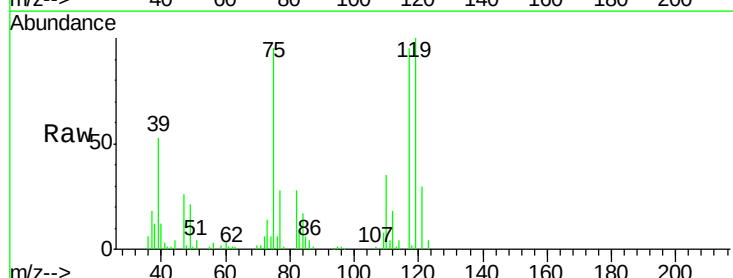
Manual Integrations
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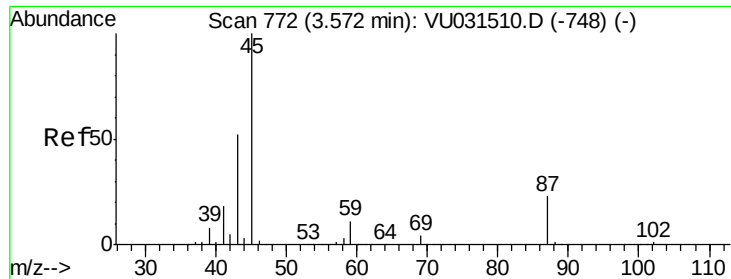
MMDadoda
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#30
 Carbon Tetrachloride
 Concen: 1.989 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.5	76.1	114.1
121	31.6	23.3	34.9





#31

Isopropyl Ether

Concen: 2.214 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 134907

Ion Ratio Lower Upper

45 100

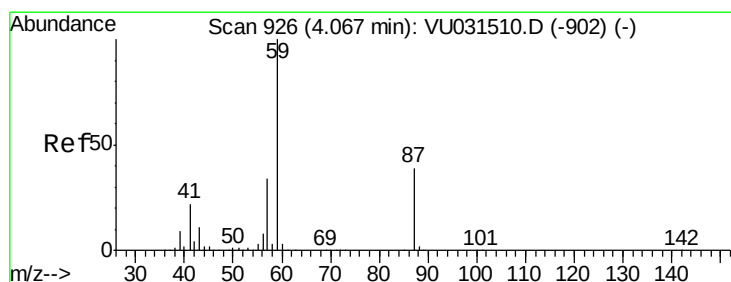
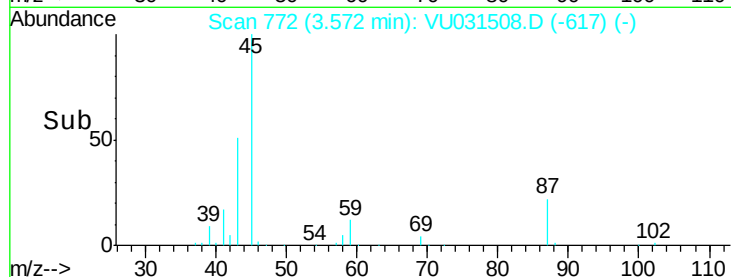
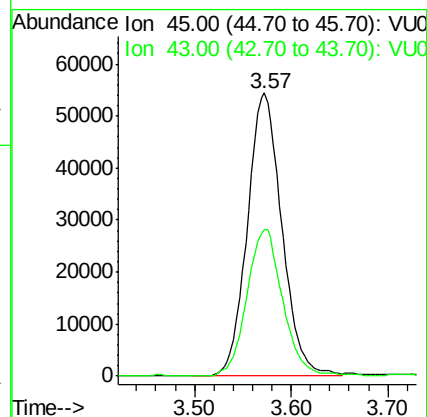
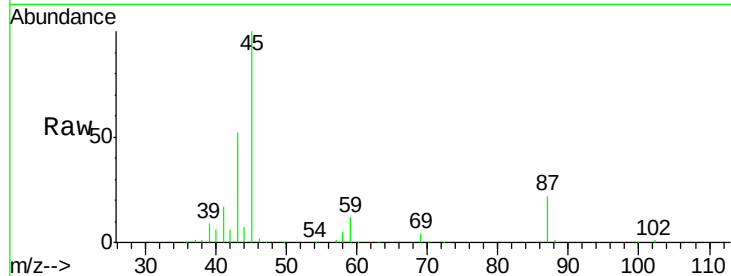
43 53.8 26.0 78.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 2.043 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU031508.D

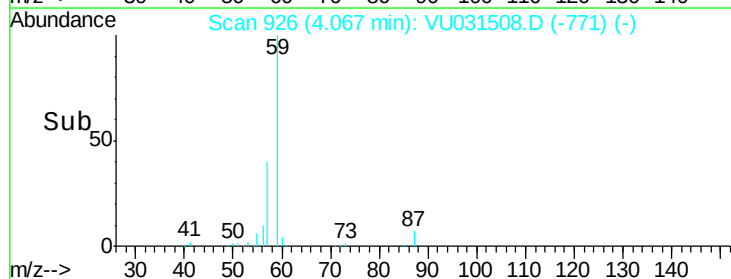
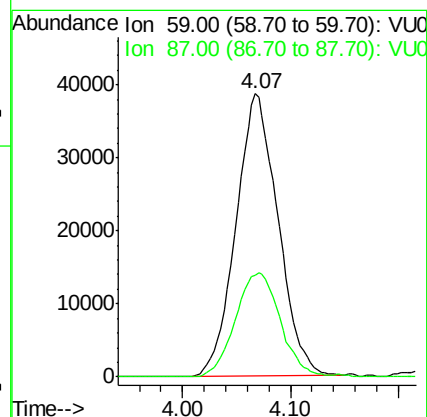
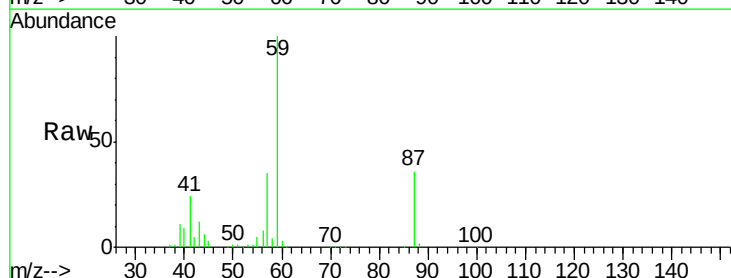
Acq: 25 Apr 2019 19:23

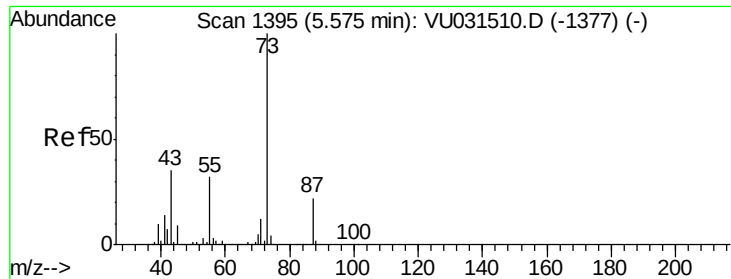
Tgt Ion: 59 Resp: 104609

Ion Ratio Lower Upper

59 100

87 38.7 29.9 44.9





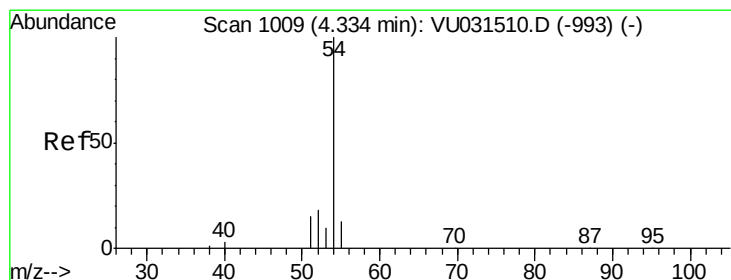
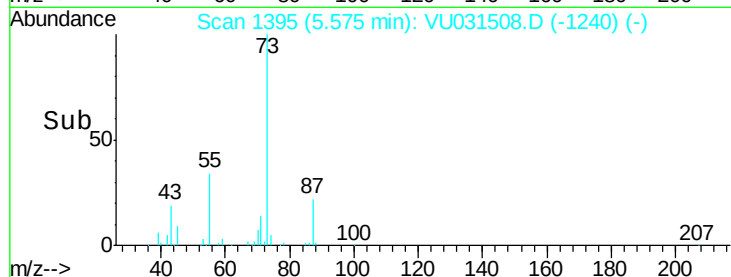
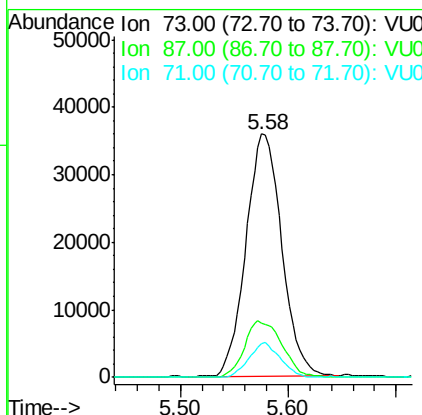
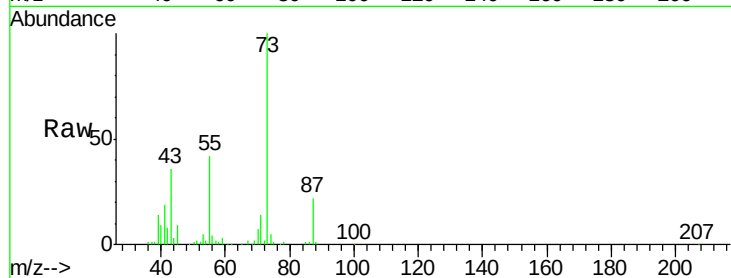
#33
Tert-Butyl methyl ether
Concen: 1.895 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	18.2	27.2
71	12.5	9.0	13.6

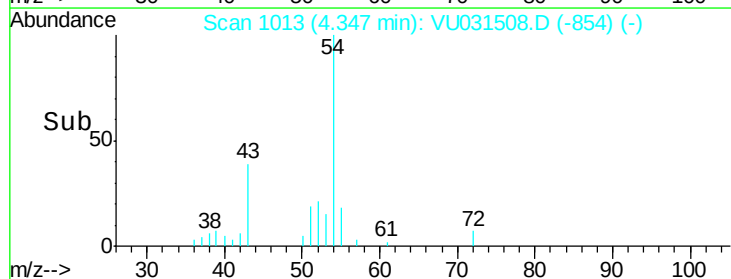
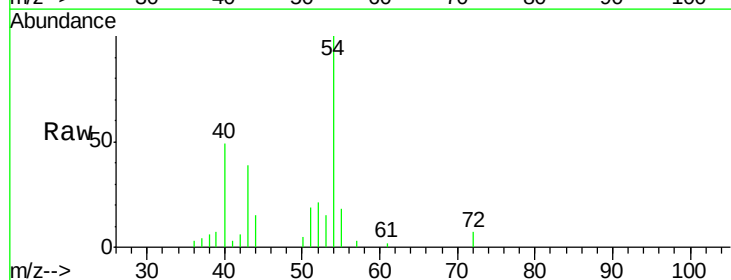
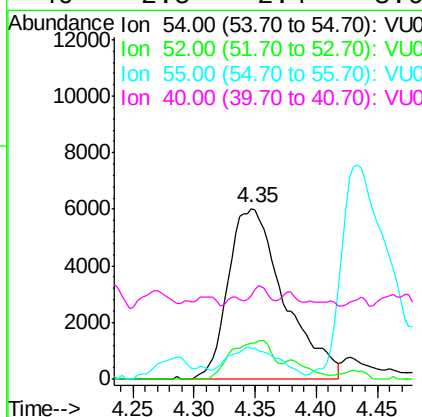
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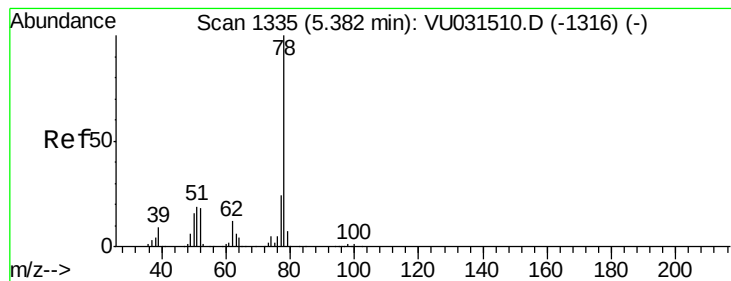
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#34
Propionitrile
Concen: 10.898 ug/l
RT: 4.35 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
54	100		
52	16.5	15.0	22.4
55	13.9	13.5	20.3
40	2.5	2.4	3.6





#35

Benzene

Concen: 2.147 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 181335

Ion Ratio Lower Upper

78 100

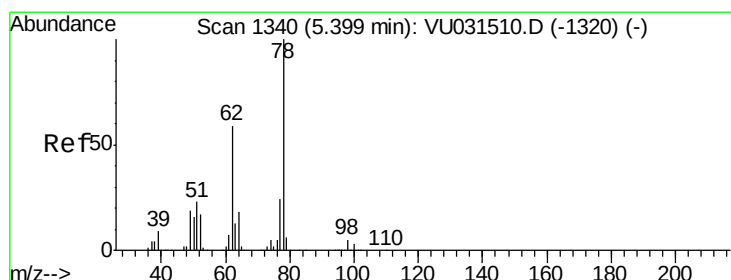
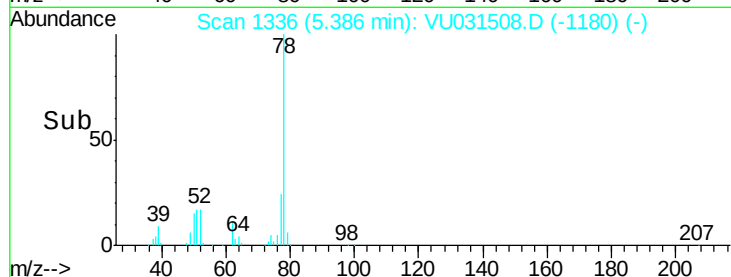
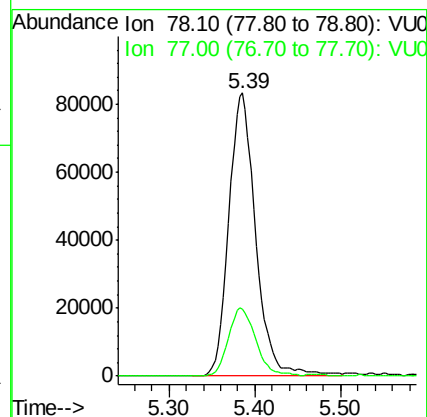
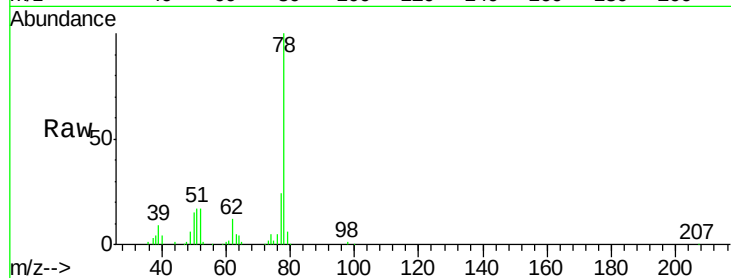
77 23.8 19.2 28.8

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#36

1,2-Dichloroethane

Concen: 2.094 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031508.D

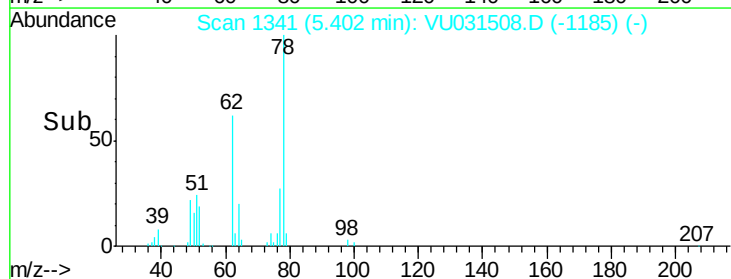
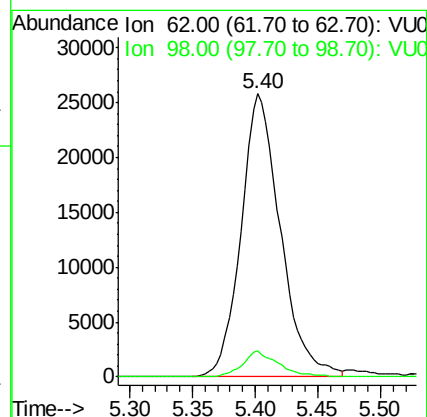
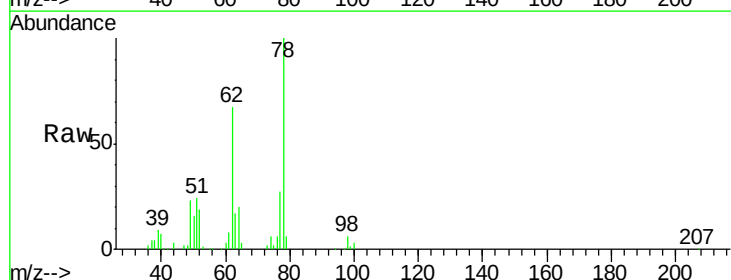
Acq: 25 Apr 2019 19:23

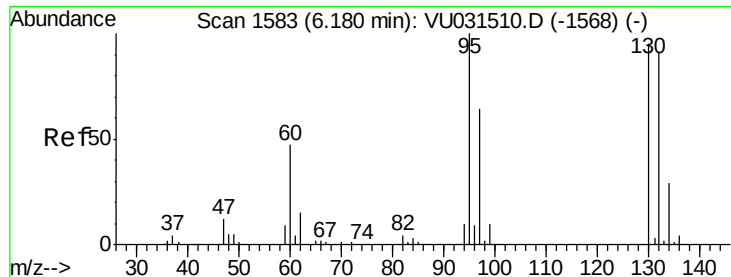
Tgt Ion: 62 Resp: 56361

Ion Ratio Lower Upper

62 100

98 8.2 6.7 10.1





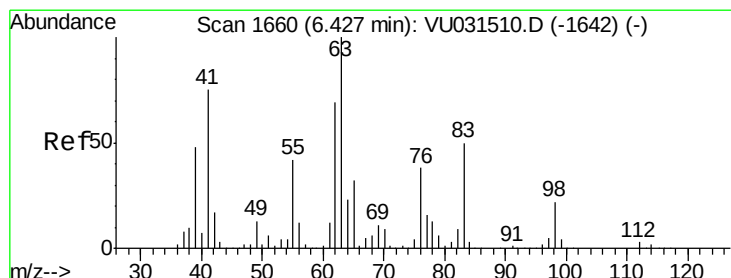
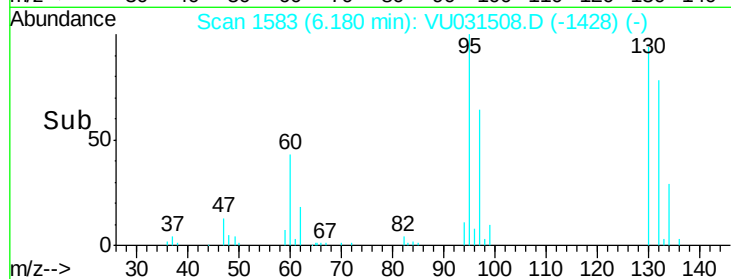
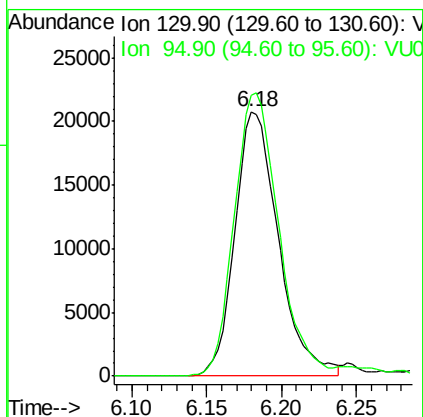
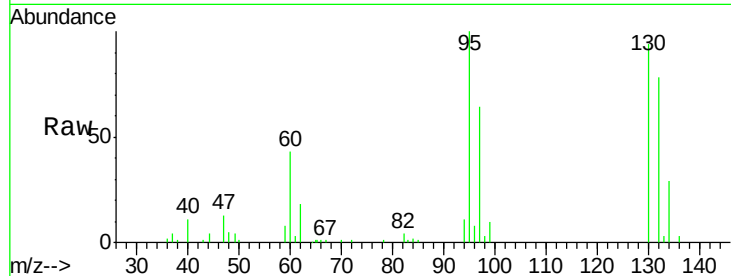
#37
 Trichloroethene
 Concen: 1.809 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 42190
 Ion Ratio Lower Upper
 130 100
 95 106.3 83.8 125.8

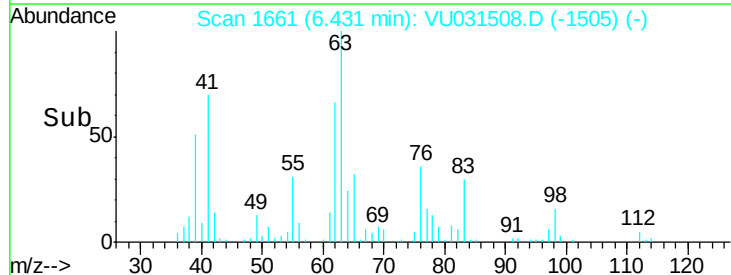
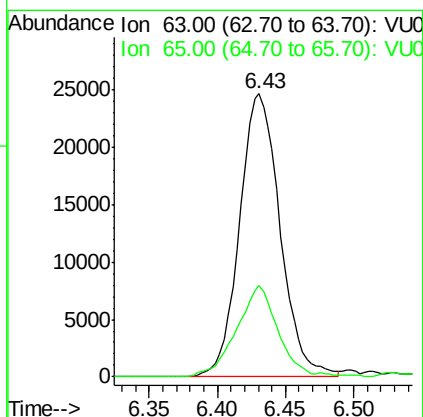
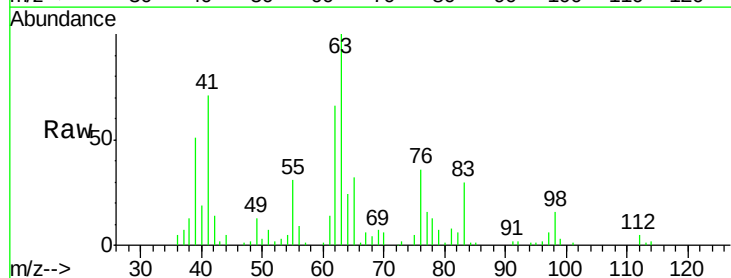
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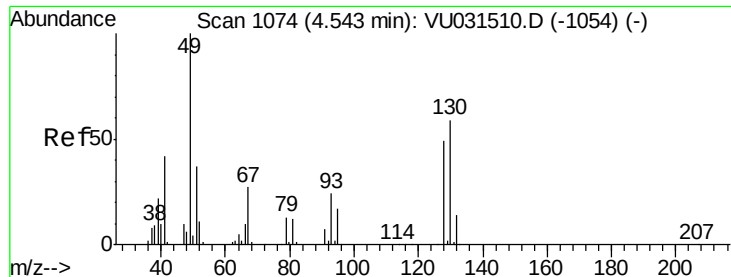
MMdadoda
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#38
 1,2-Dichloropropane
 Concen: 2.250 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion: 63 Resp: 50917
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.3 37.9





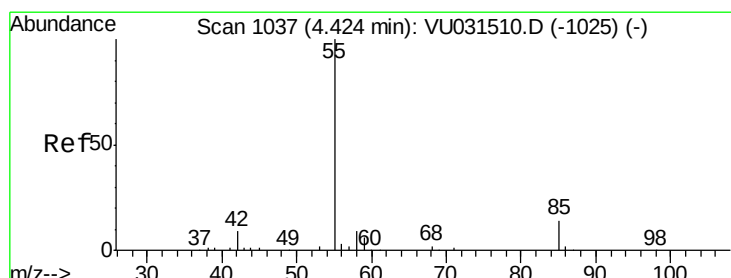
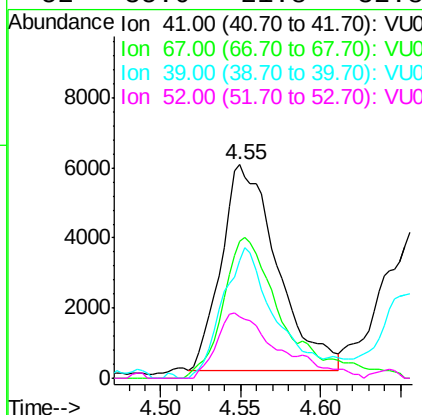
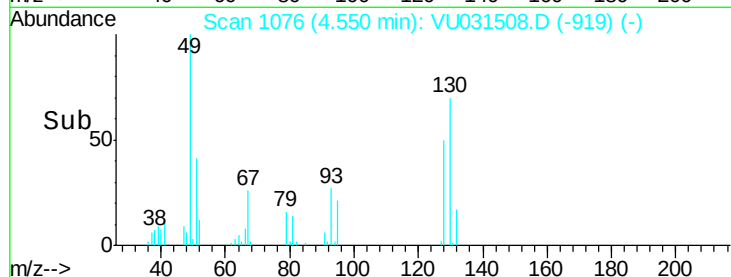
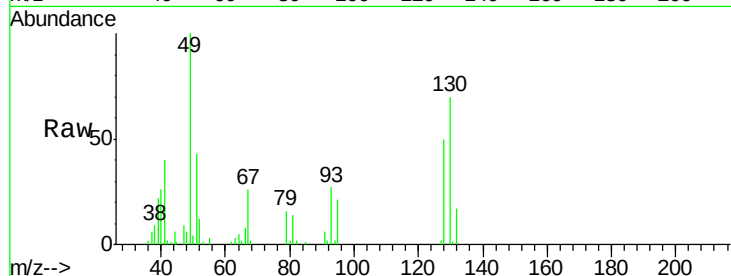
#39
Methacrylonitrile
Concen: 1.794 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp	14160
Ion	Ratio	Lower	Upper
41	100		
67	72.8	54.2	81.4
39	59.0	43.8	65.8
52	35.0	21.8	32.8#

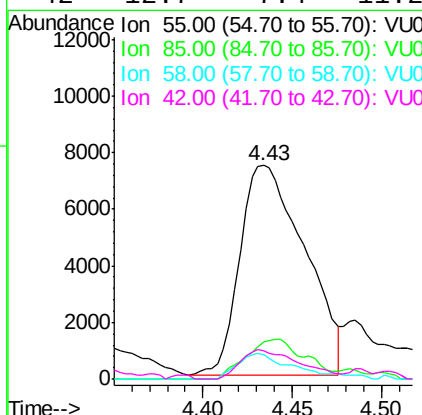
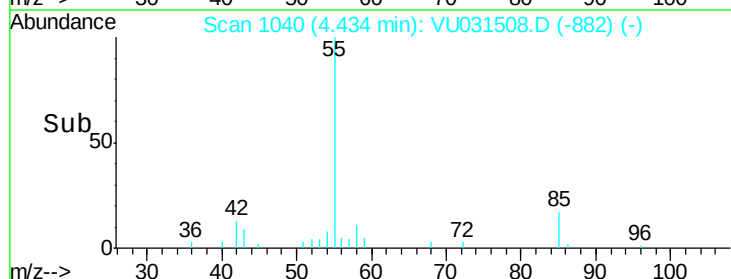
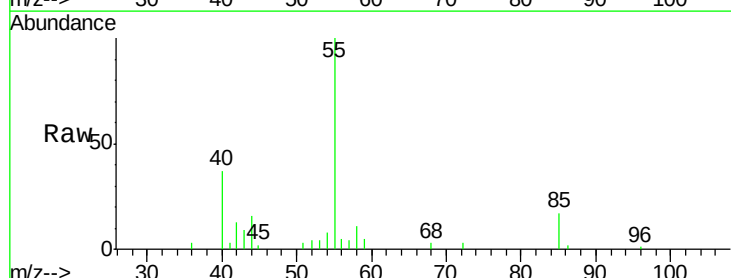
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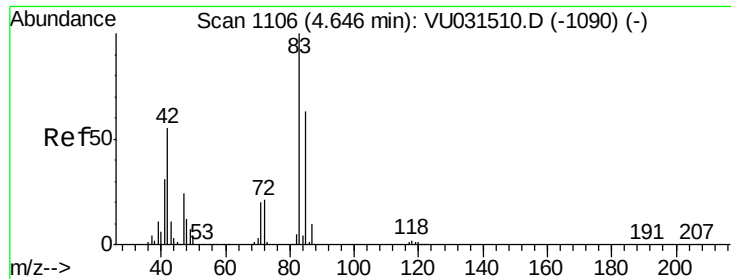
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#40
Methyl acrylate
Concen: 1.855 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	55	Resp	18896
Ion	Ratio	Lower	Upper
55	100		
85	16.9	11.5	17.3
58	10.3	6.5	9.7#
42	12.7	7.4	11.2#





#41

Tetrahydrofuran

Concen: 4.089 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

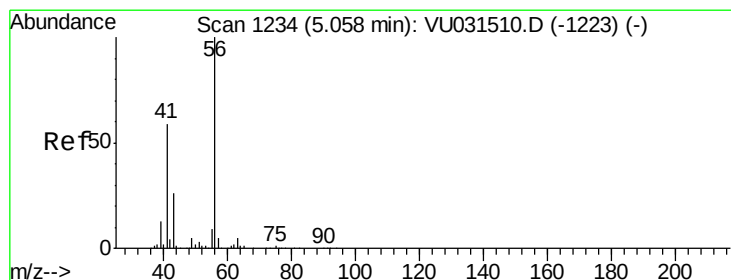
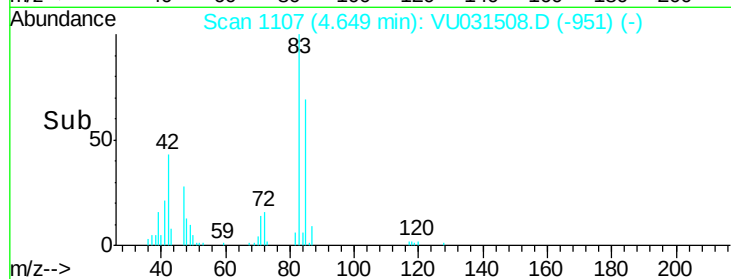
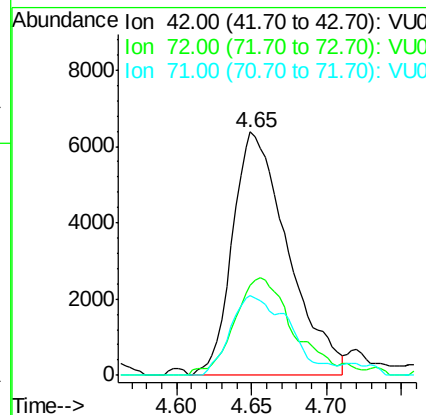
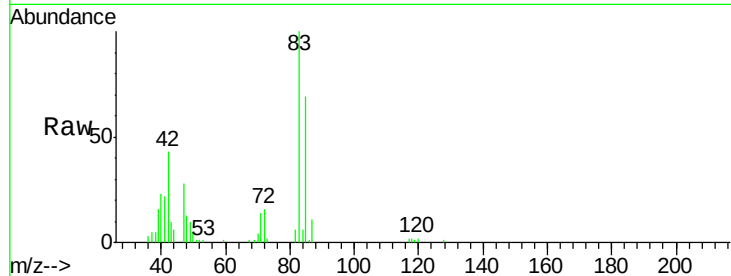
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	16460
Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.1	48.1
71	35.2	29.2	43.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 2.067 ug/l

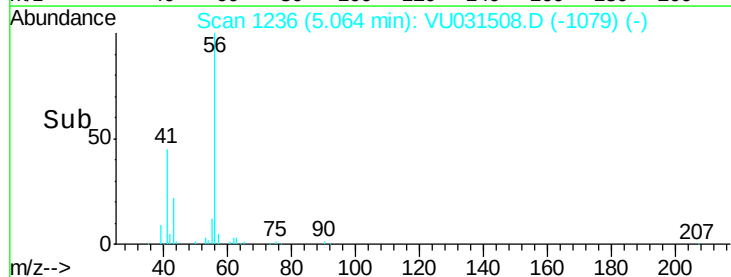
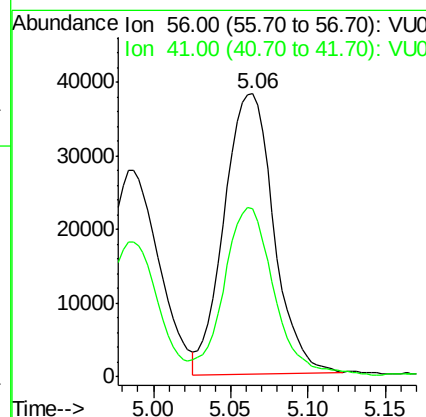
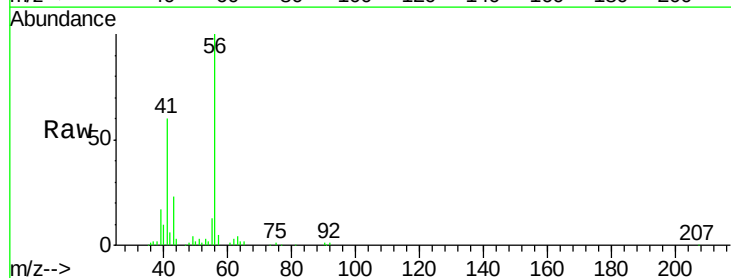
RT: 5.06 min Scan# 1236

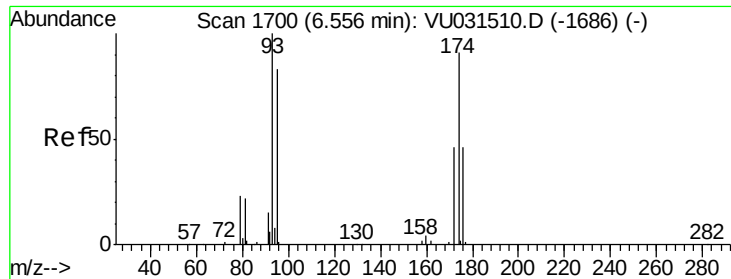
Delta R.T. 0.01 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Tgt Ion:	56	Resp:	84709
Ion	Ratio	Lower	Upper
56	100		
41	60.3	29.3	88.0





#43

Dibromomethane

Concen: 2.023 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

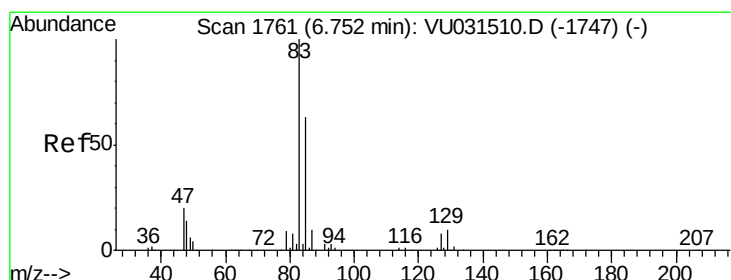
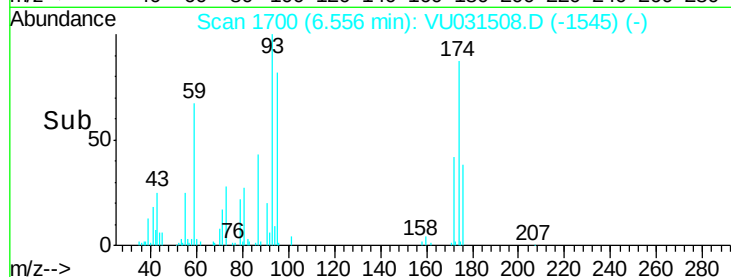
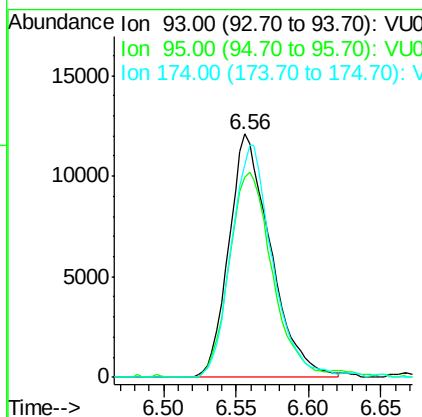
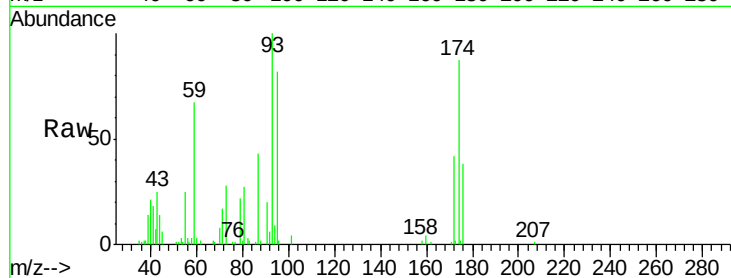
ClientSampleId :

VSTDIC002

Tot Ion:	93	Resp:	24238
Ion	Ratio	Lower	Upper
93	100		
95	85.9	65.7	98.5
174	93.6	71.8	107.8

Manual Integrations
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#44

Bromodichloromethane

Concen: 2.123 ug/l

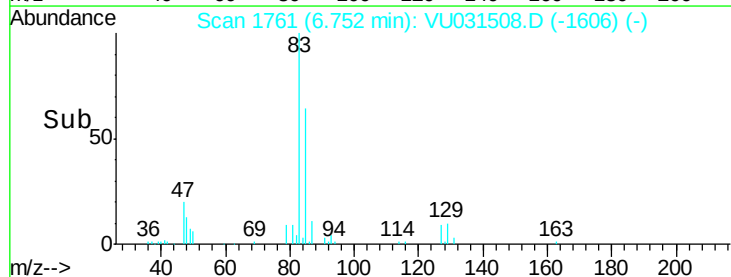
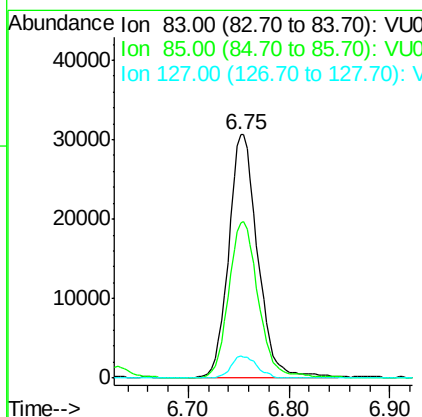
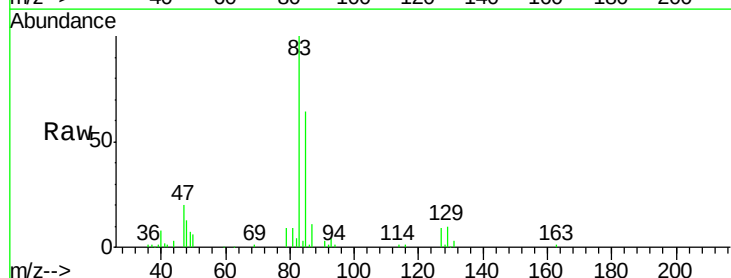
RT: 6.75 min Scan# 1761

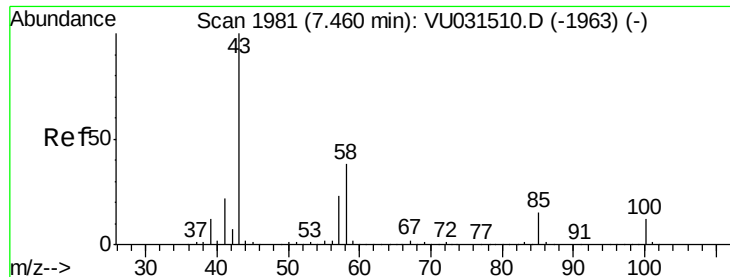
Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Tgt Ion:	83	Resp:	61641
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.3	75.5
127	8.9	6.6	9.8





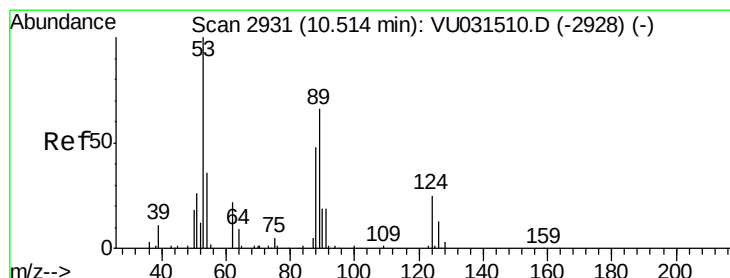
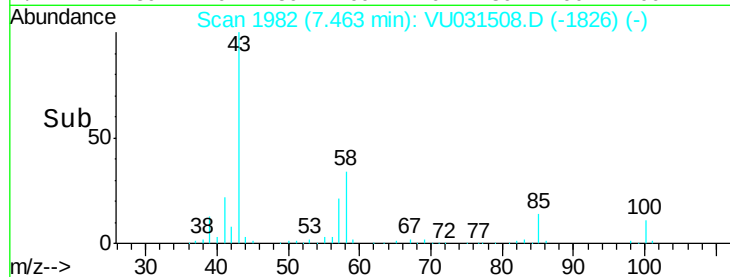
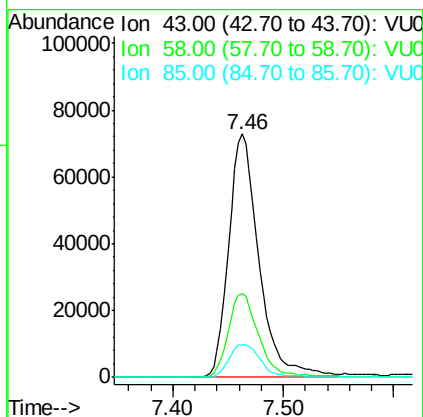
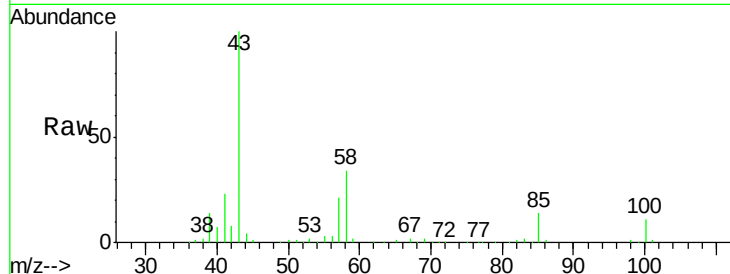
#45
4-Methyl-2-Pentanone
Concen: 9.817 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	139103
Ion	Ratio	Lower	Upper
43	100		
58	34.8	18.7	56.1
85	14.0	12.1	18.1

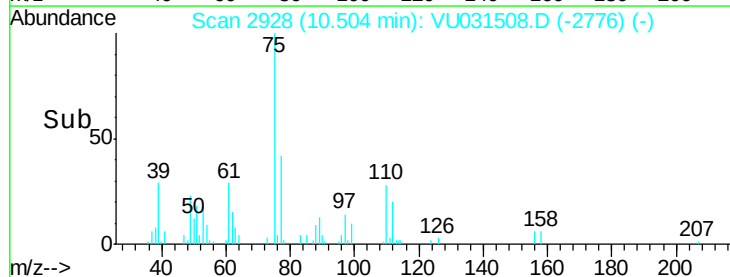
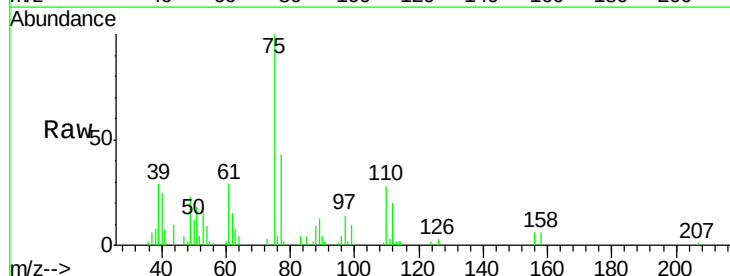
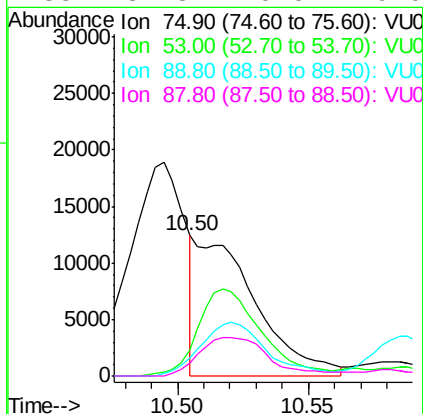
Manual Integrations
APPROVED

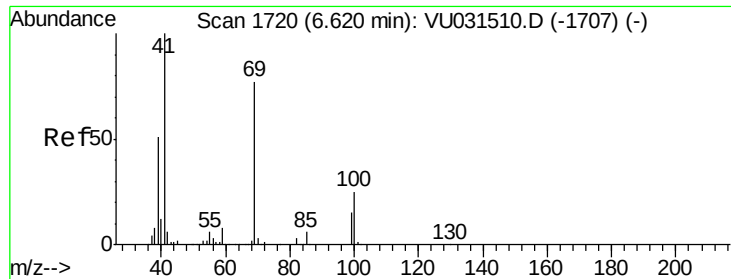
MMdadoda
4/26/2019 12:22:25 PM



#46
t-1,4-Dichloro-2-butene
Concen: 3.771 ug/l m
RT: 10.50 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion:	75	Resp:	19853
Ion	Ratio	Lower	Upper
75	100		
53	65.5	63.8	95.8
89	42.3	38.6	57.8
88	32.8	0.0	0.0#





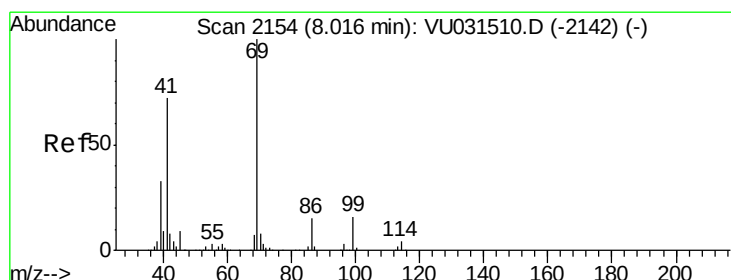
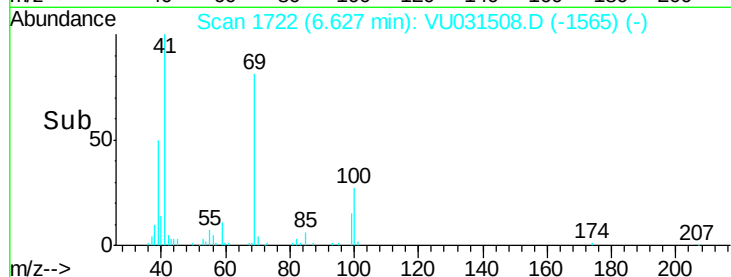
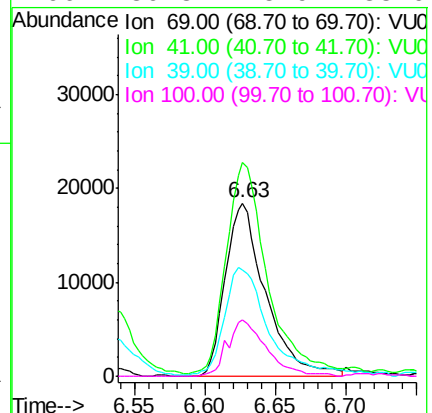
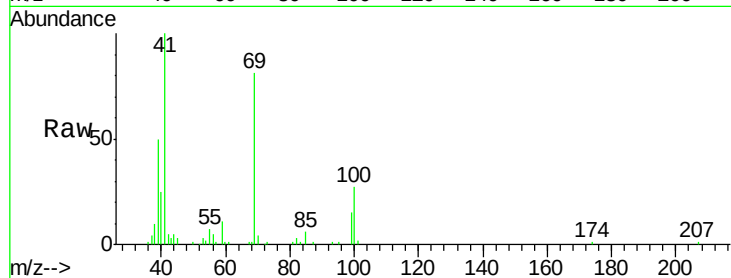
#47
Methvl methacrylate
Concen: 3.668 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	122.6	0.0	256.4
39	66.4	52.2	78.4
100	30.8	25.9	38.9

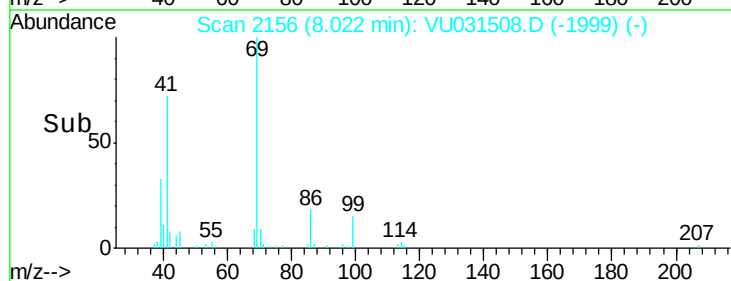
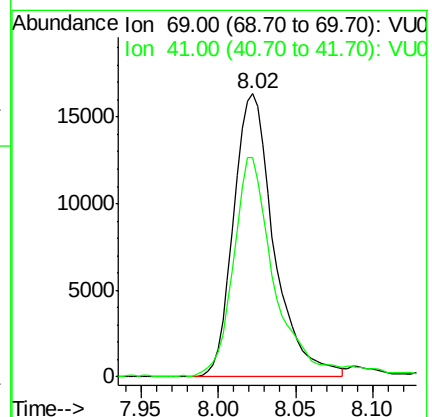
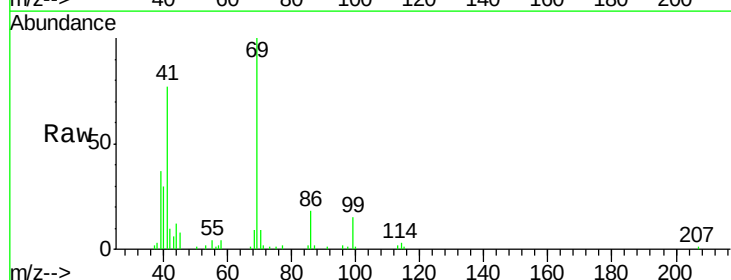
Manual Integrations
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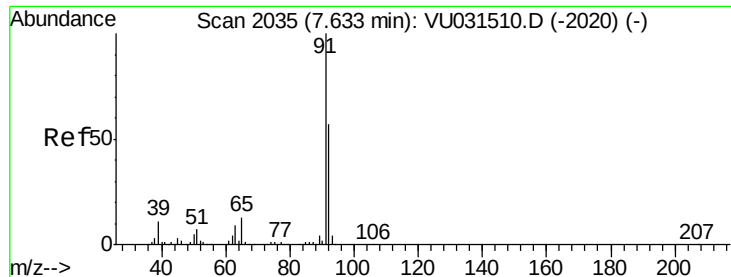
MMDadoda
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#48
Ethyl methacrylate
Concen: 1.682 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.1	35.5	106.5





#49

Toluene

Concen: 1.896 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 87261

Ion Ratio Lower Upper

92 100

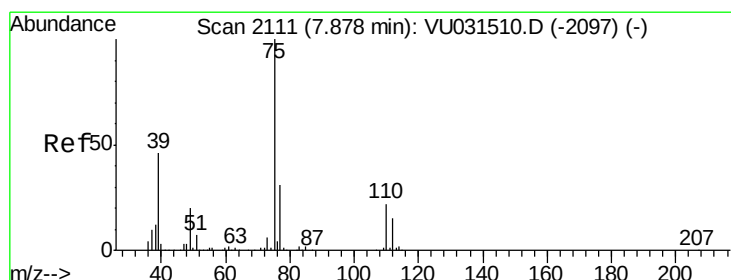
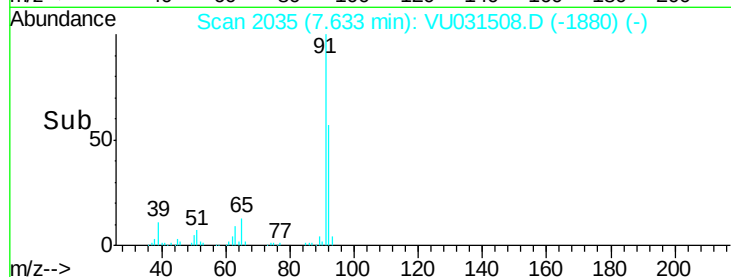
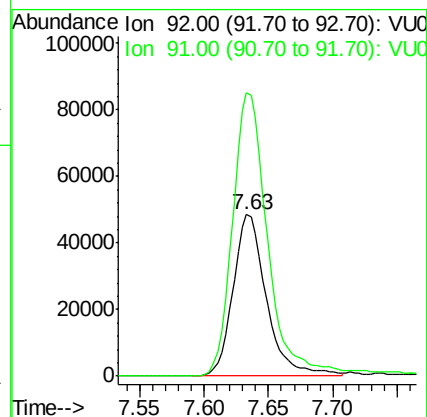
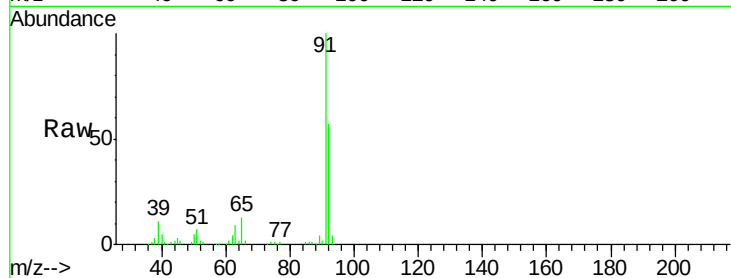
91 183.1 142.0 213.0

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.832 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031508.D

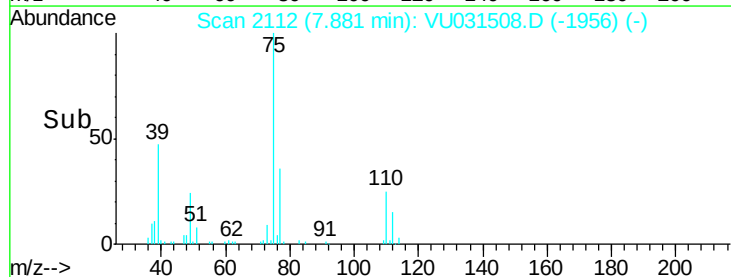
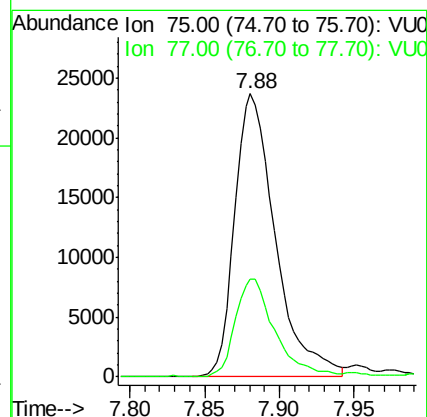
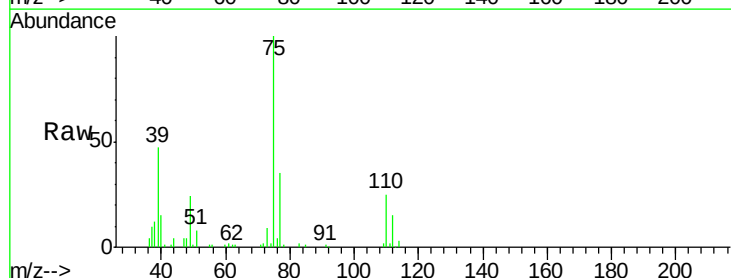
Acq: 25 Apr 2019 19:23

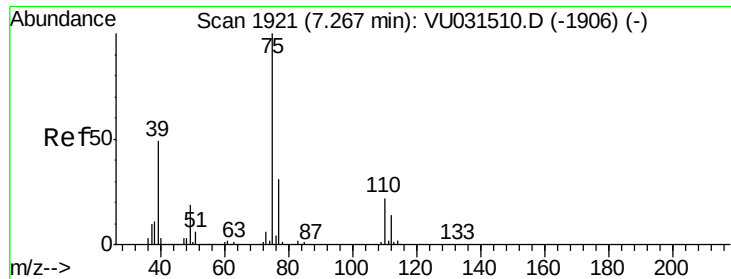
Tgt Ion: 75 Resp: 44899

Ion Ratio Lower Upper

75 100

77 34.8 25.0 37.4





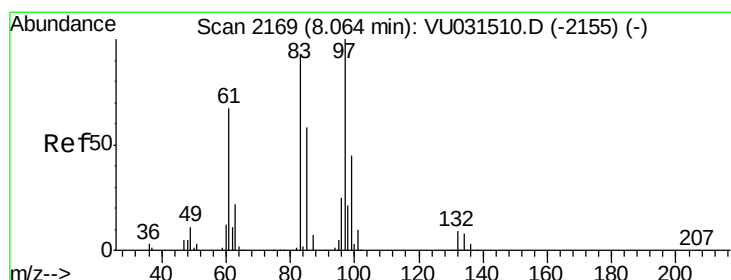
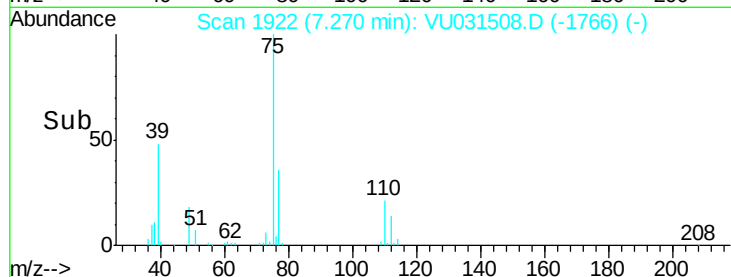
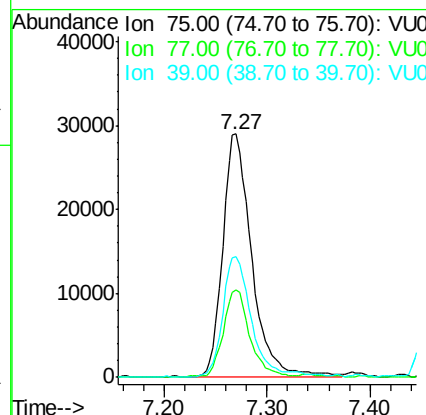
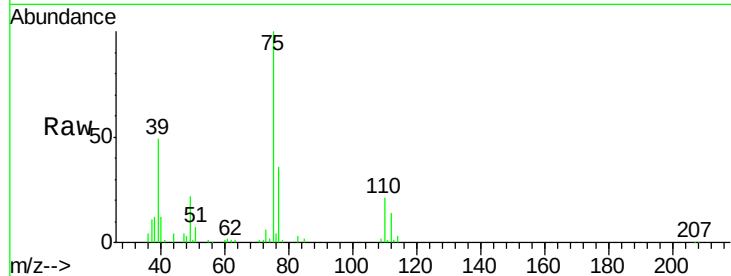
#51
 cis-1,3-Dichloropropene
 Concen: 1.953 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.0	37.4
39	49.5	39.0	58.6

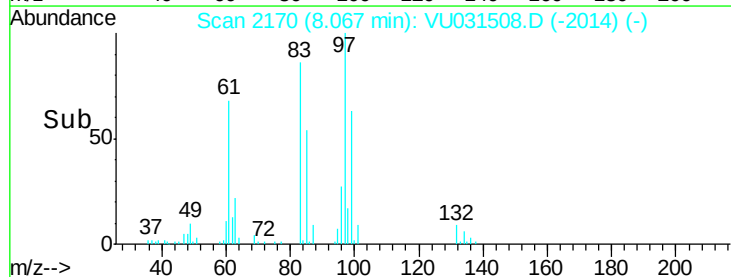
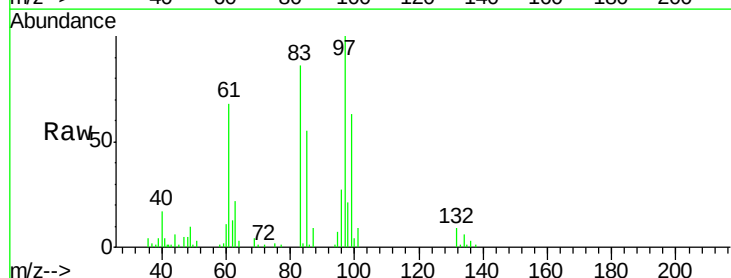
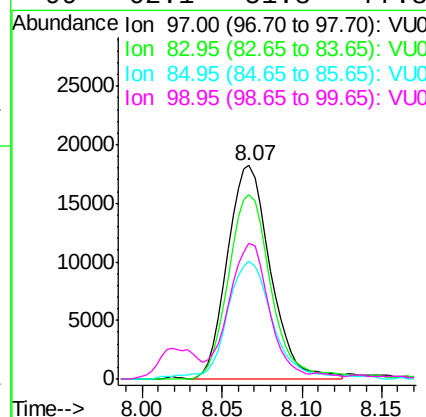
Manual Integrations
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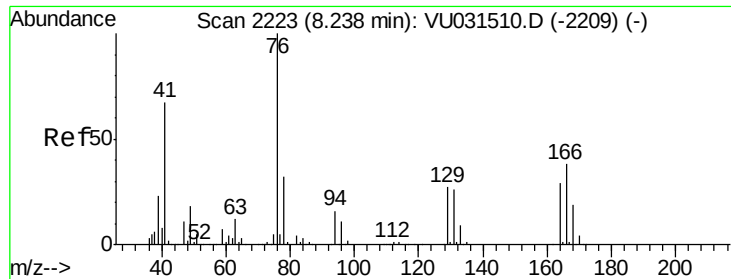
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#52
 1,1,2-Trichloroethane
 Concen: 2.080 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	74.8	112.2
85	53.6	48.3	72.5
99	62.1	51.8	77.8





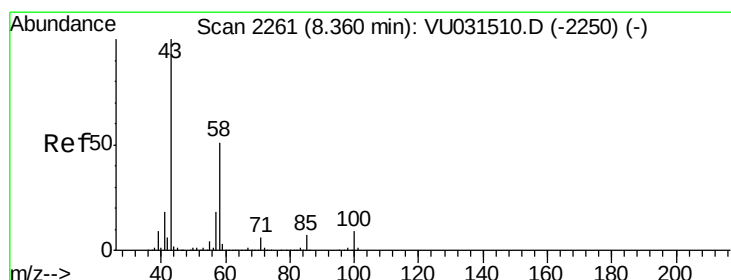
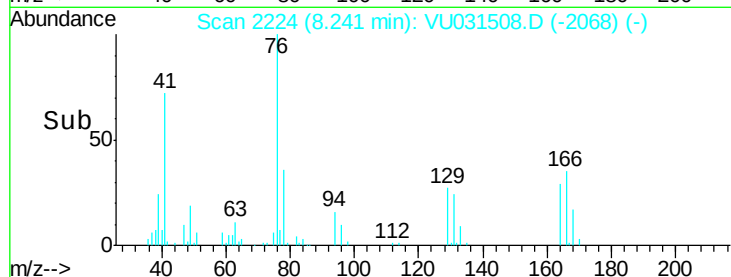
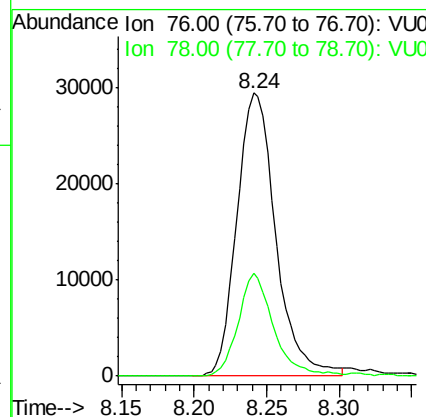
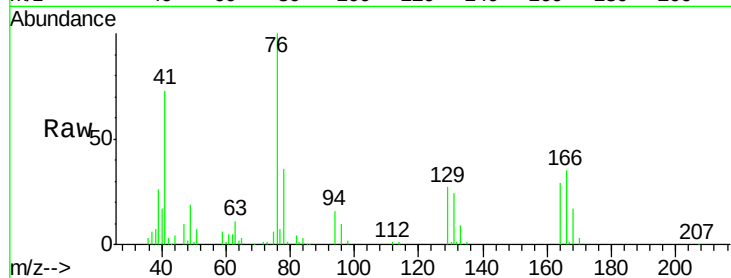
#53
 1,3-Dichloropropane
 Concen: 1.999 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 76 Resp: 54923
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5

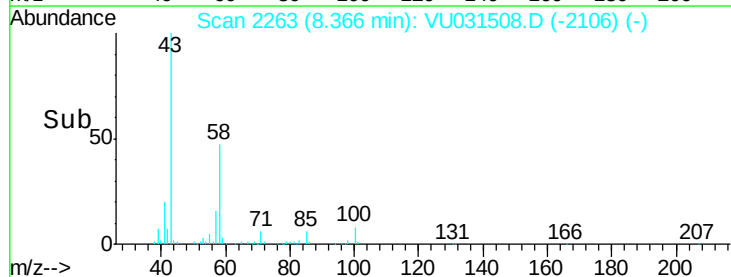
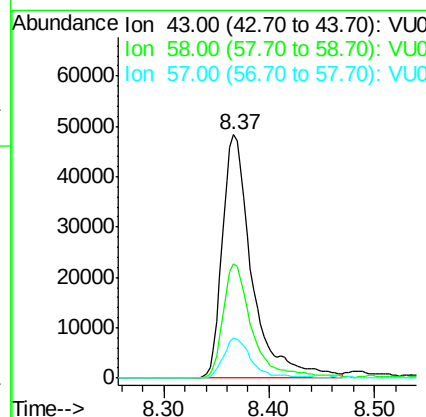
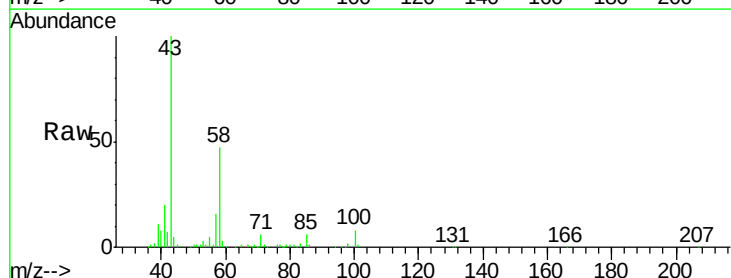
Manual Integrations
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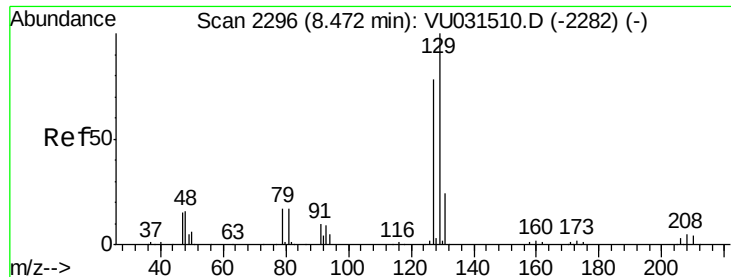
MMdadoda
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#54
 2-Hexanone
 Concen: 9.812 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion: 43 Resp: 94048
 Ion Ratio Lower Upper
 43 100
 58 45.8 30.3 70.3
 57 14.8 0.0 37.8





#55

Dibromochloromethane

Concen: 1.817 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 34496

Ion Ratio Lower Upper

129 100

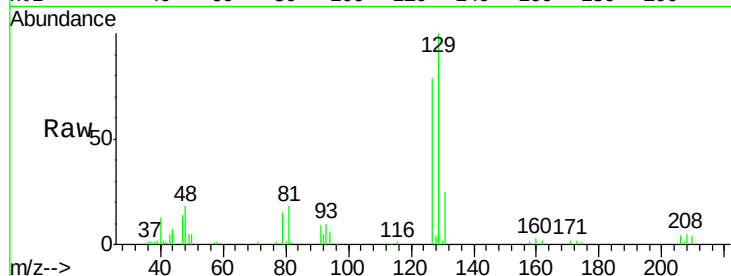
127 81.1 62.6 94.0

Manual Integrations

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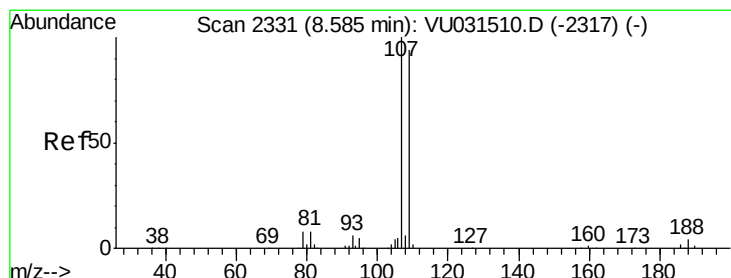
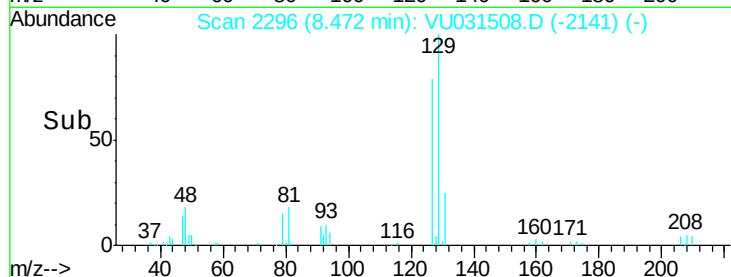
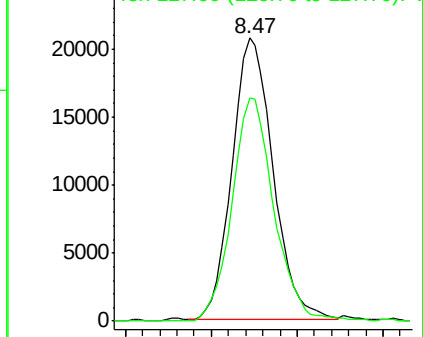
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.918 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031508.D

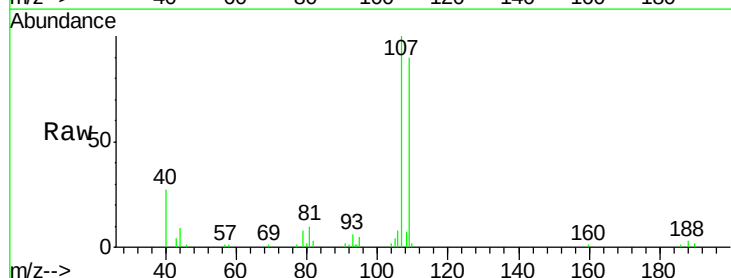
Acq: 25 Apr 2019 19:23

Tgt Ion:107 Resp: 28608

Ion Ratio Lower Upper

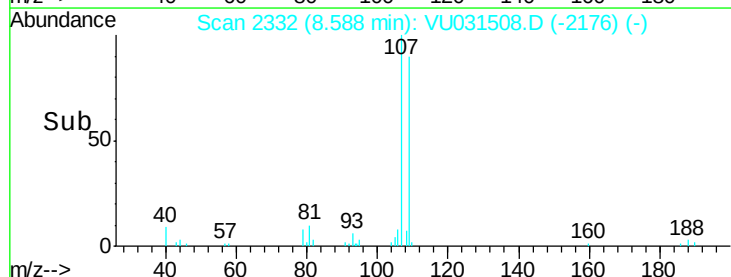
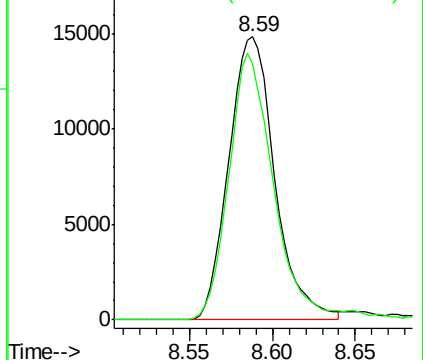
107 100

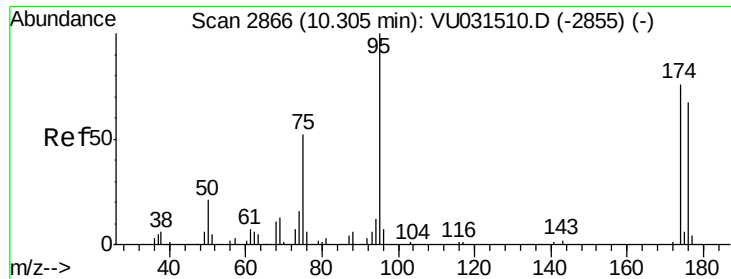
109 91.0 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





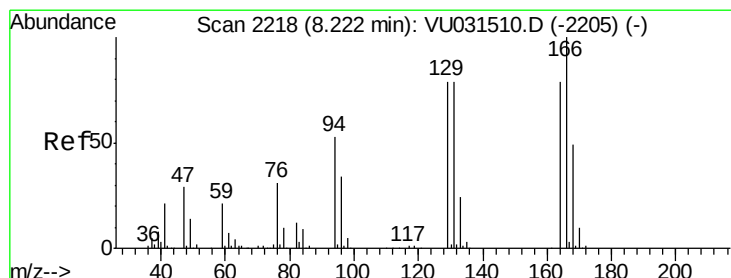
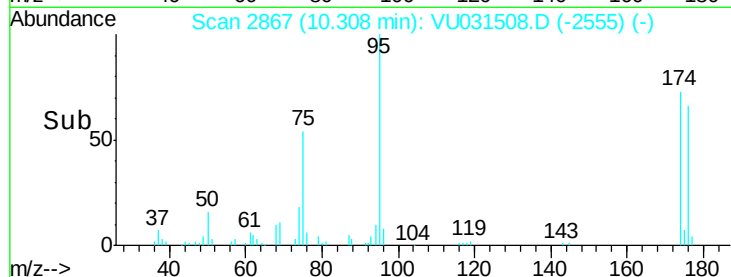
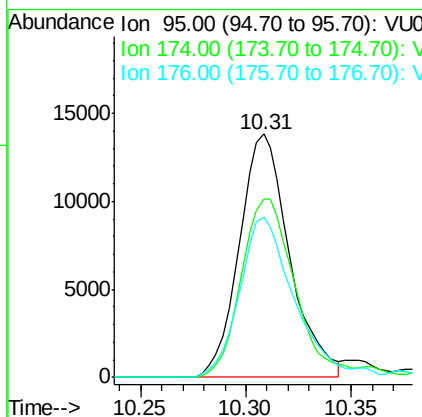
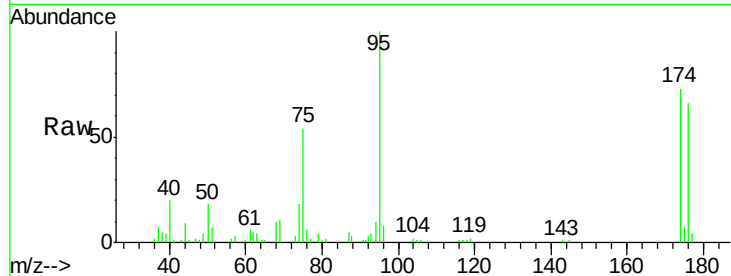
#57
 4-Bromofluorobenzene
 Concen: 0.899 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.2	57.9	86.9
176	70.6	54.0	81.0

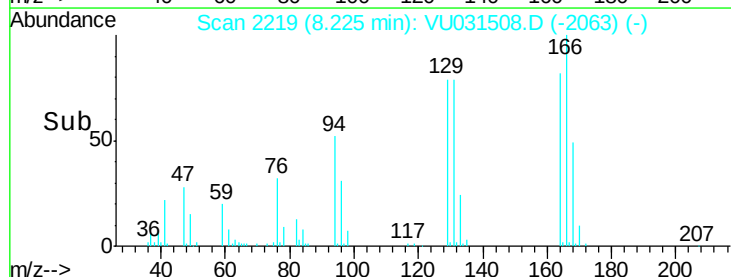
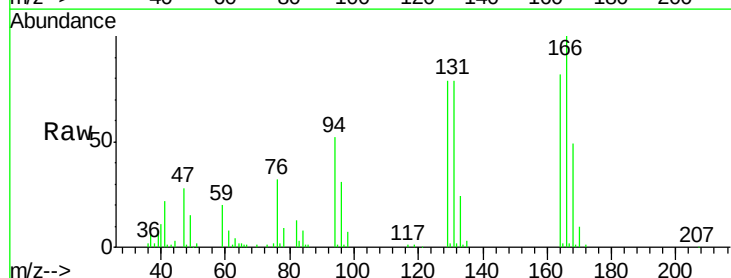
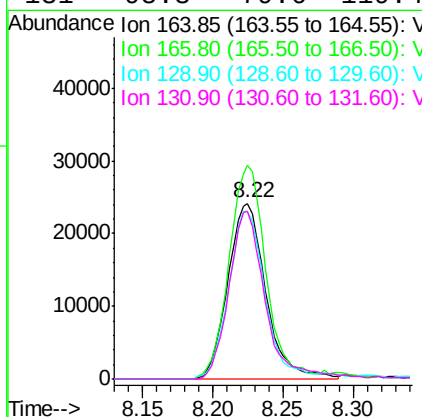
Manual Integrations
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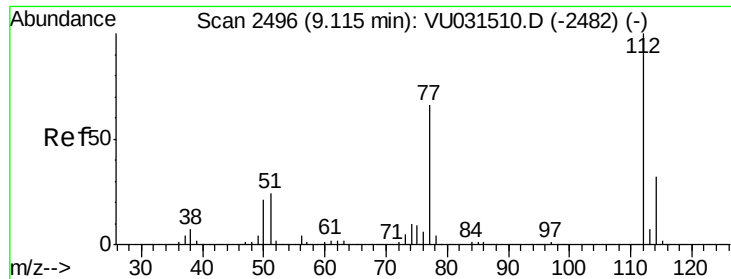
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#58
 Tetrachloroethene
 Concen: 2.284 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.3	101.2	151.8
129	95.5	80.2	120.4
131	95.3	79.6	119.4





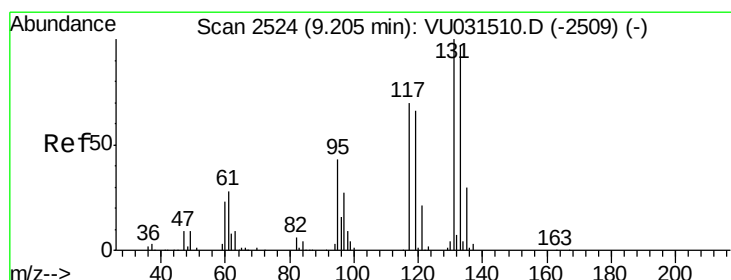
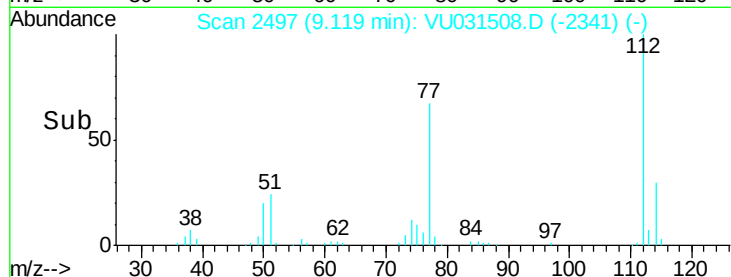
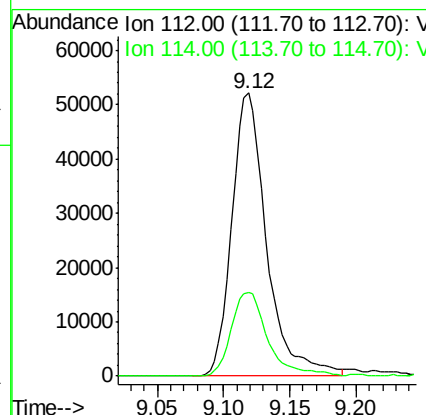
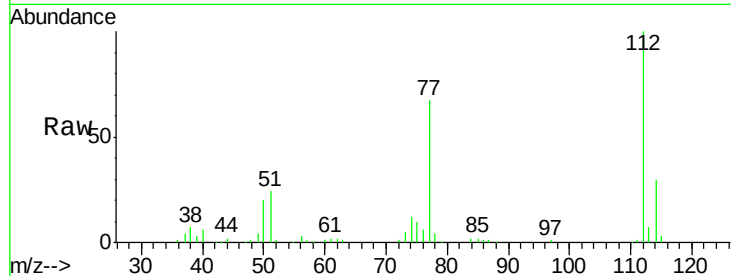
#59
Chlorobenzene
Concen: 1.886 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 95496
Ion Ratio Lower Upper
112 100
114 29.6 25.8 38.6

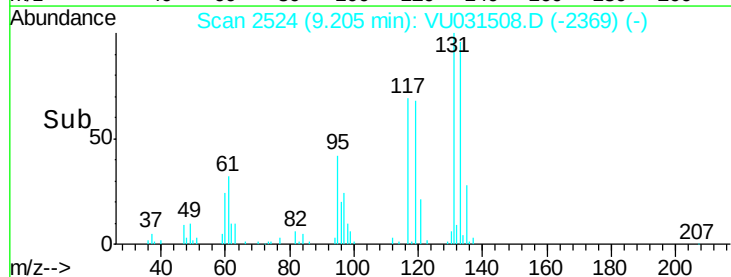
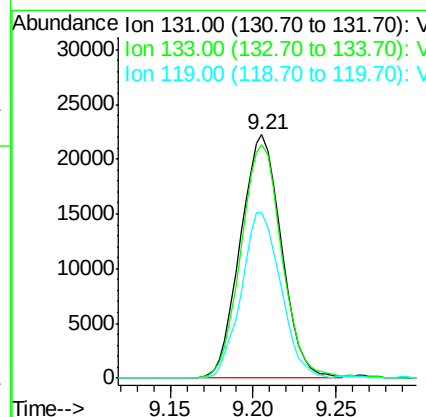
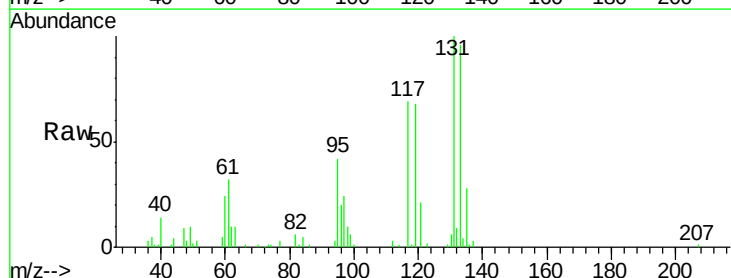
Manual Integrations
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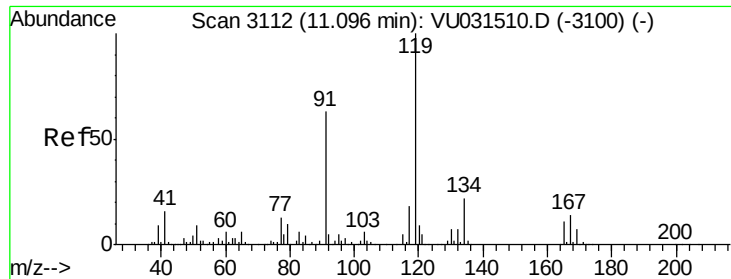
MMdadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 2.010 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion:131 Resp: 38276
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 65.4 53.4 80.0





#61

Pentachloroethane

Concen: 1.914 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 27849

Ion Ratio Lower Upper

117 100

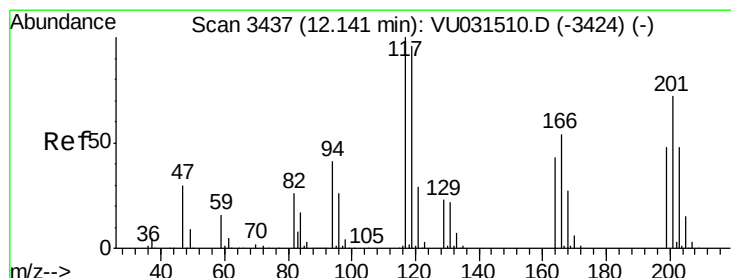
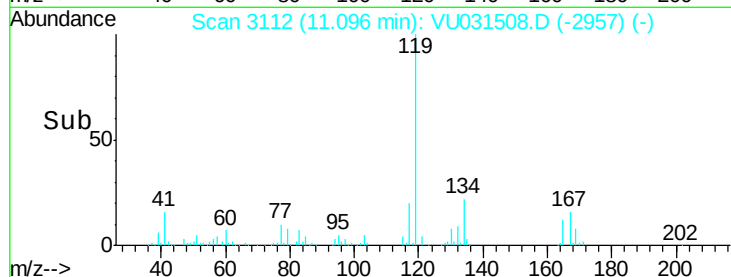
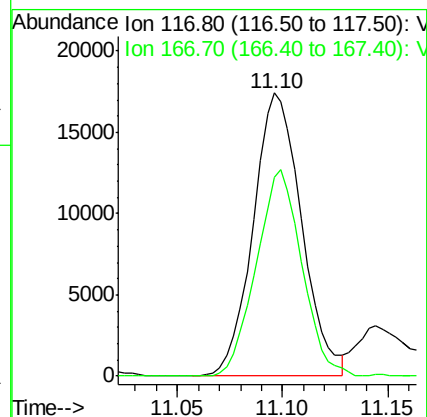
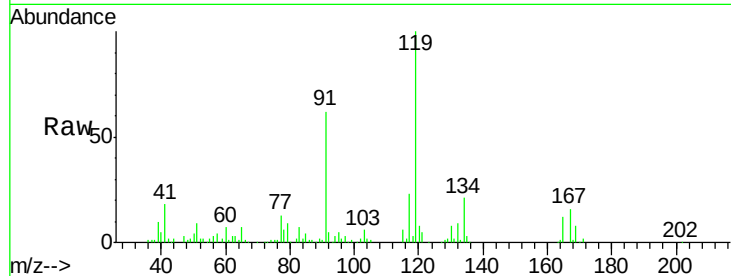
167 68.5 62.5 93.7

Manual Integrations

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#62

Hexachloroethane

Concen: 1.821 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU031508.D

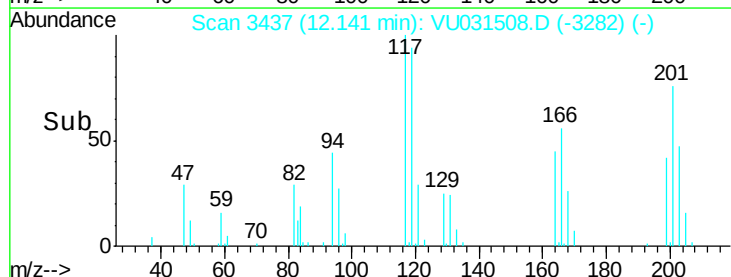
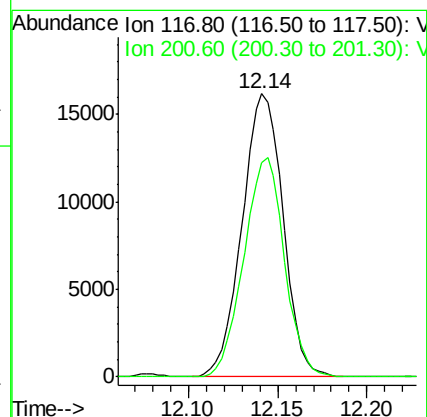
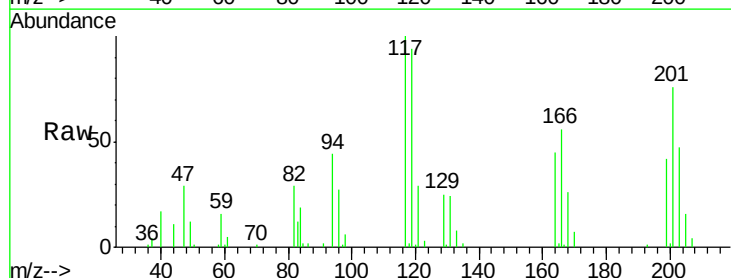
Acq: 25 Apr 2019 19:23

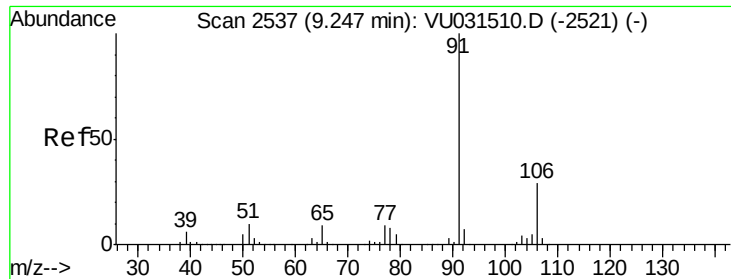
Tgt Ion:117 Resp: 25887

Ion Ratio Lower Upper

117 100

201 76.7 60.0 90.0





#63

Ethyl Benzene

Concen: 1.829 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 91 Resp: 148770

Ion Ratio Lower Upper

91 100

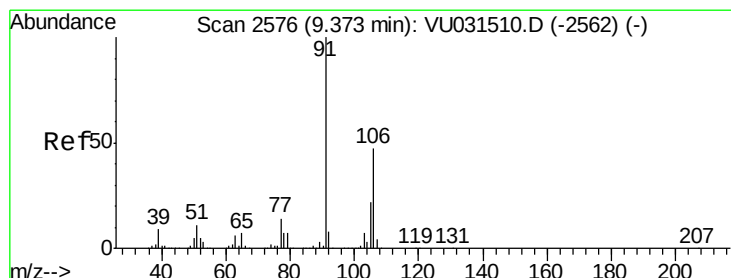
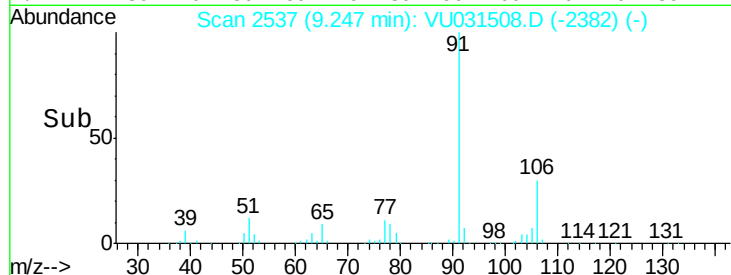
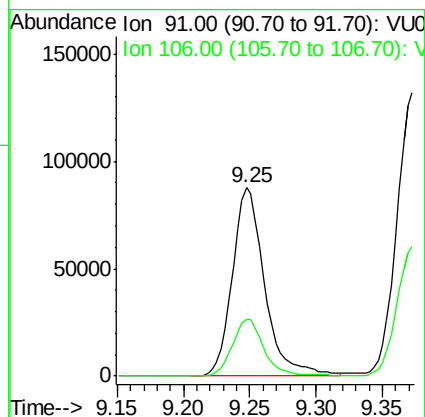
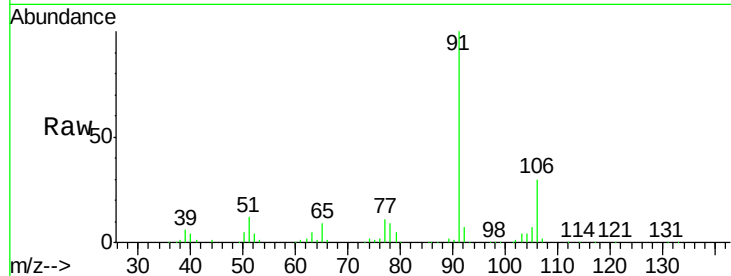
106 30.4 23.4 35.2

Manual Integrations

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#64

m/p-Xylenes

Concen: 3.566 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031508.D

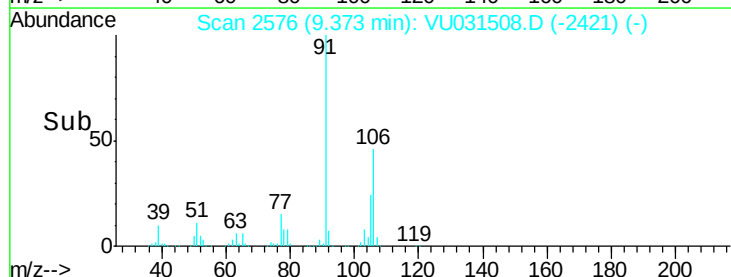
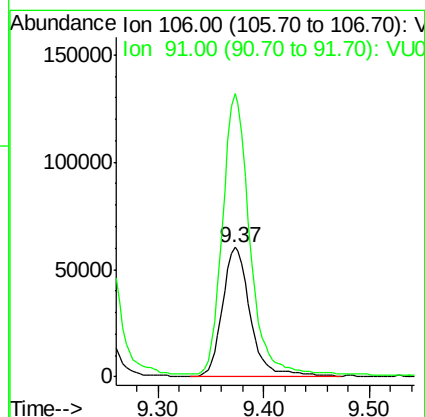
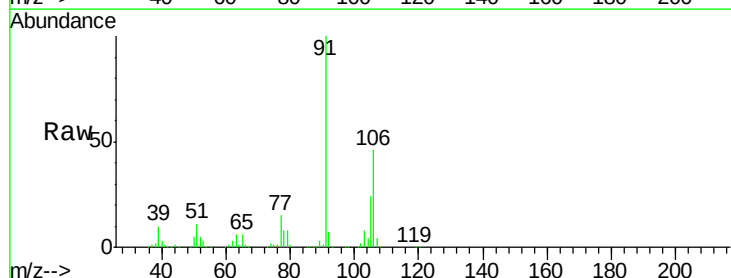
Acq: 25 Apr 2019 19:23

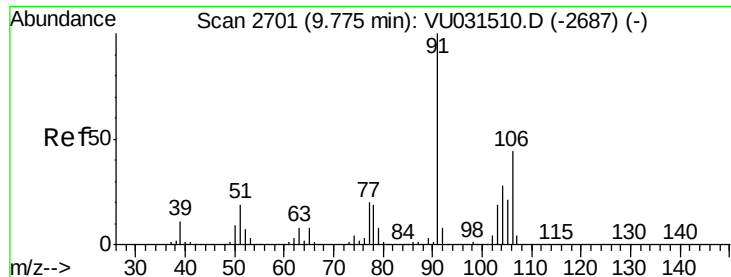
Tgt Ion: 106 Resp: 109959

Ion Ratio Lower Upper

106 100

91 216.1 171.0 256.4





#65

o-Xylene

Concen: 1.847 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:106 Resp: 54651

Ion Ratio Lower Upper

106 100

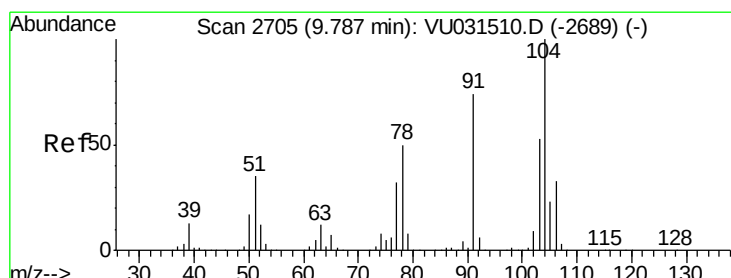
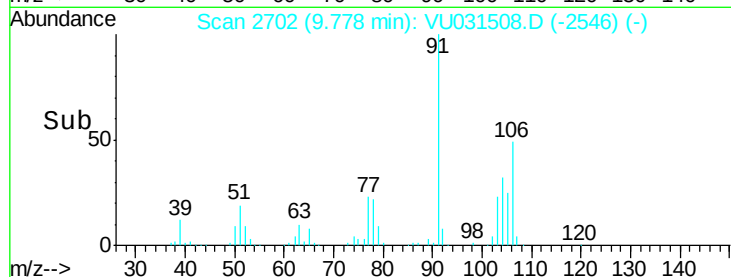
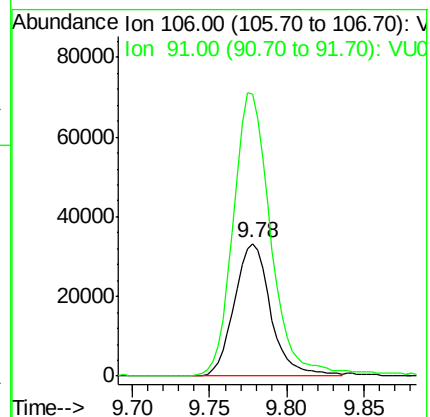
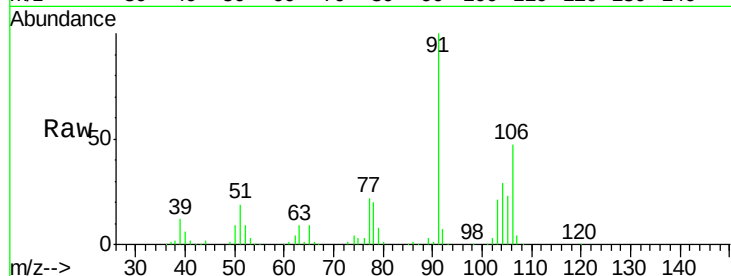
91 220.7 113.8 341.4

Manual Integrations

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#66

Styrene

Concen: 1.700 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

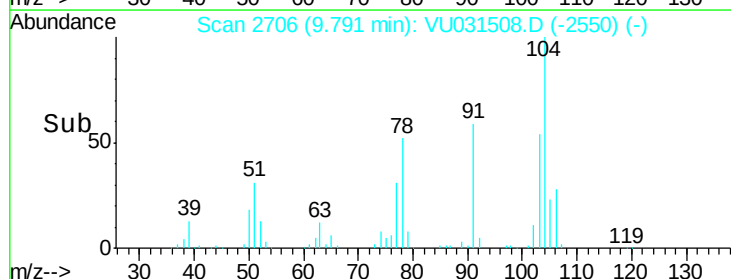
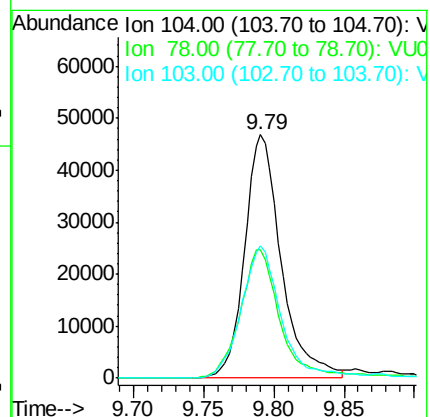
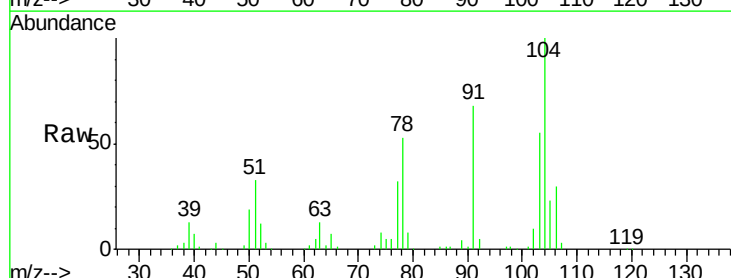
Tgt Ion:104 Resp: 85307

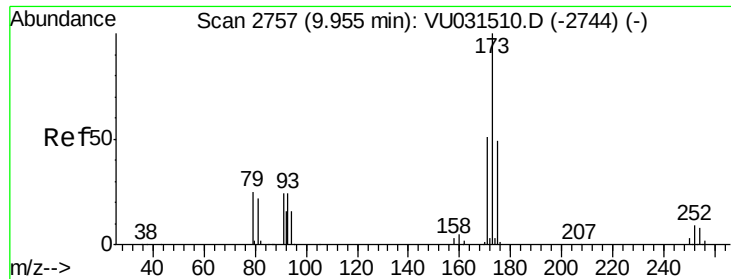
Ion Ratio Lower Upper

104 100

78 59.0 42.5 63.7

103 58.8 44.5 66.7





#67

Bromoform

Concen: 1.916 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

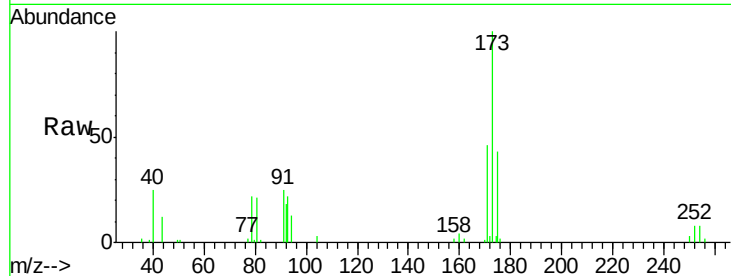
ClientSampleId :

VSTDIC002

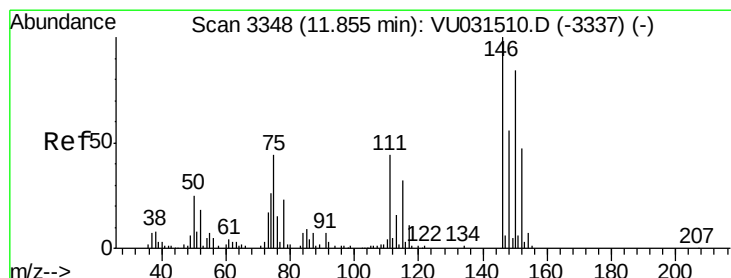
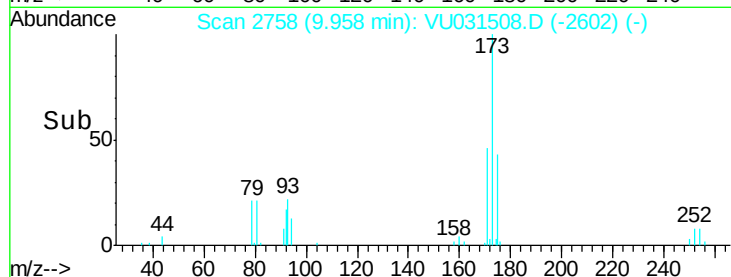
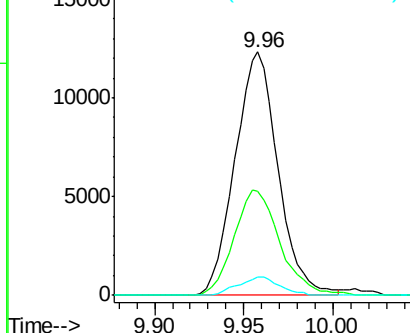
Tot Ion:	173	Resp:	20762
Ion Ratio	Lower	Upper	
173	100		
175	45.9	38.7	58.1
254	7.3	6.0	9.0

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



#68

1,2-Dichlorobenzene-d4

Concen: 0.936 ug/l

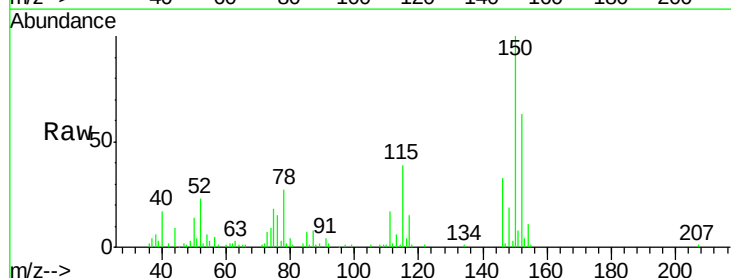
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

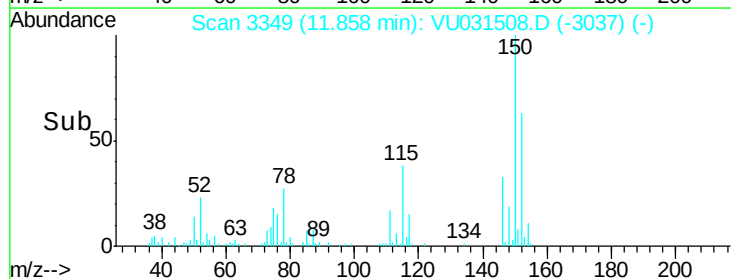
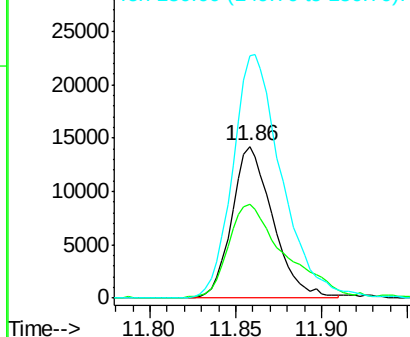
Lab File: VU031508.D

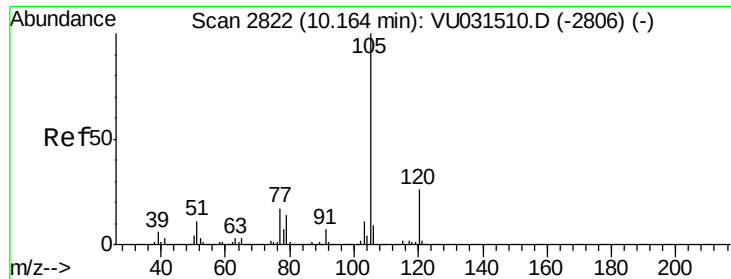
Acq: 25 Apr 2019 19:23

Tgt Ion:	152	Resp:	23670
Ion Ratio	Lower	Upper	
152	100		
115	85.9	0.0	123.2
150	190.7	0.0	658.2



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





#69

Isopropylbenzene

Concen: 1.811 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion:105 Resp: 143290

Ion Ratio Lower Upper

105 100

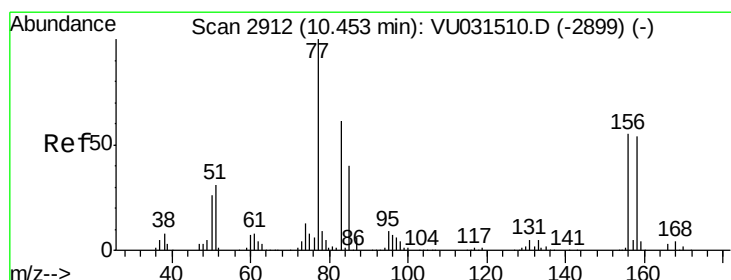
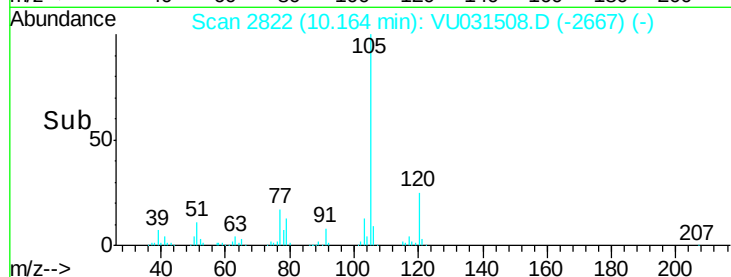
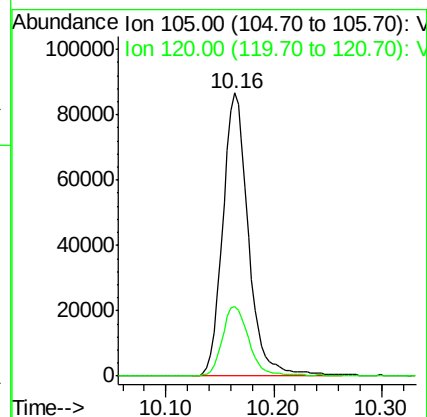
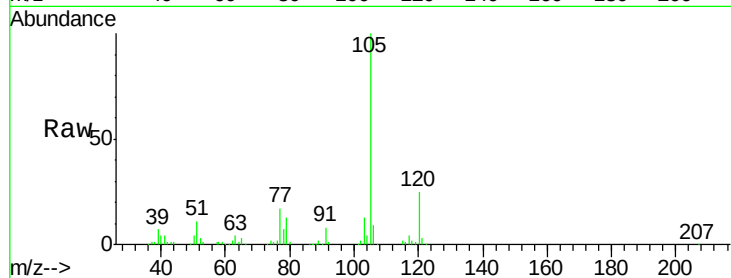
120 25.6 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.932 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

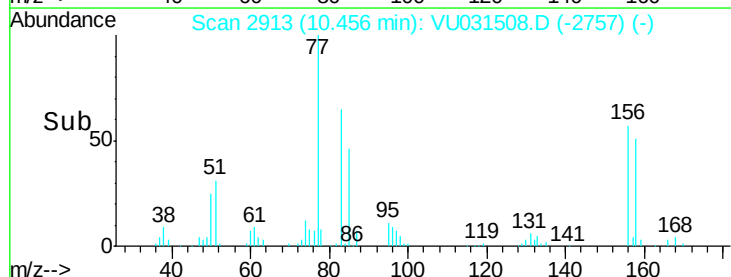
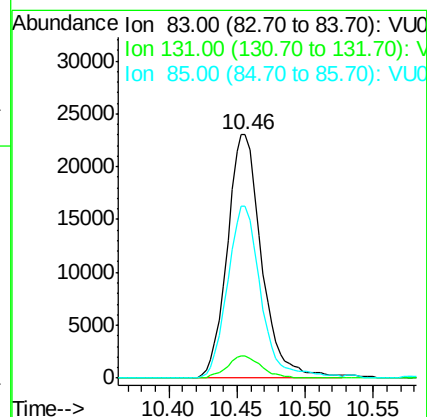
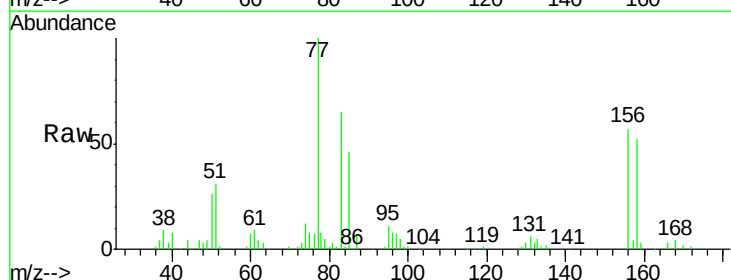
Tgt Ion: 83 Resp: 40312

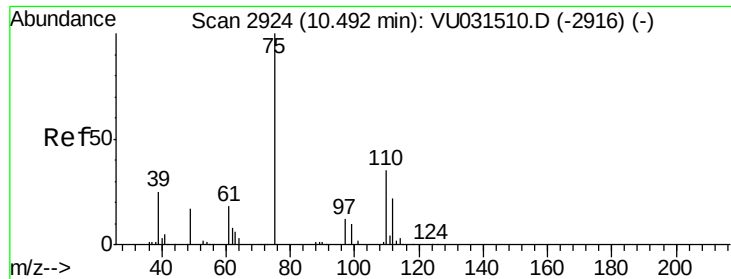
Ion Ratio Lower Upper

83 100

131 9.0 7.2 10.8

85 68.7 52.8 79.2





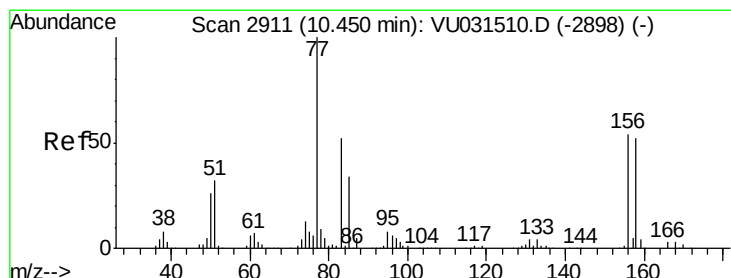
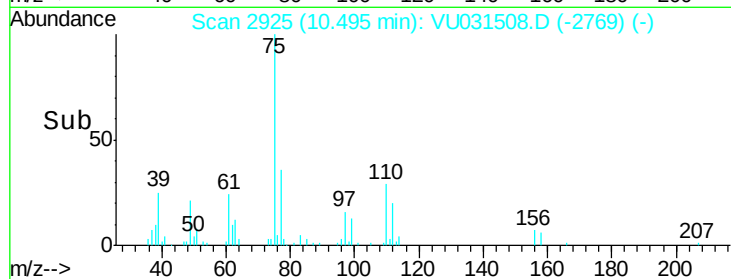
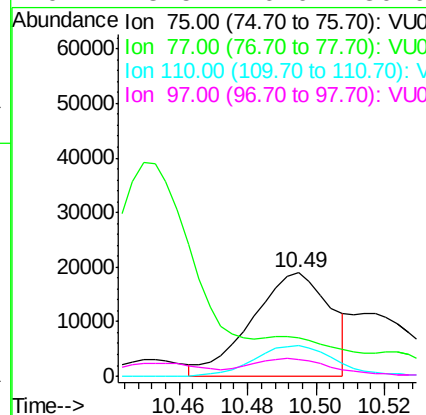
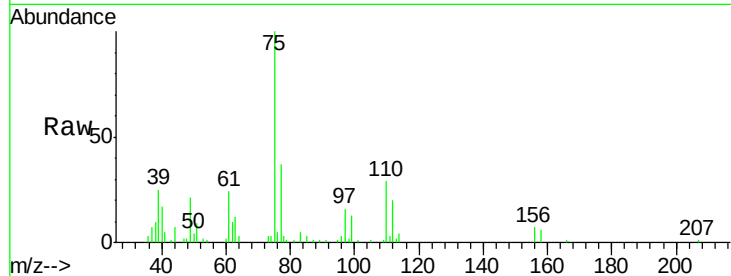
#71
 1,2,3-Trichloropropane
 Concen: 2.012 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	0.0	0.0	0.0	0.0
110	31.0	0.0	68.2	
97	18.5	0.0	36.6	

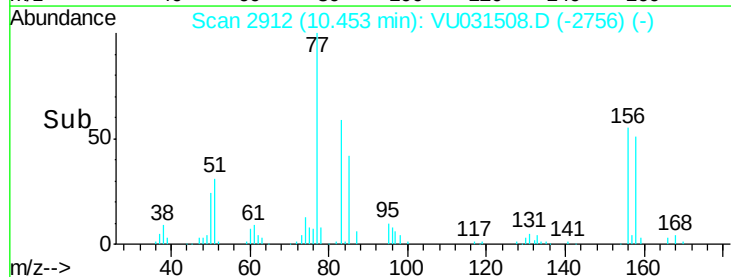
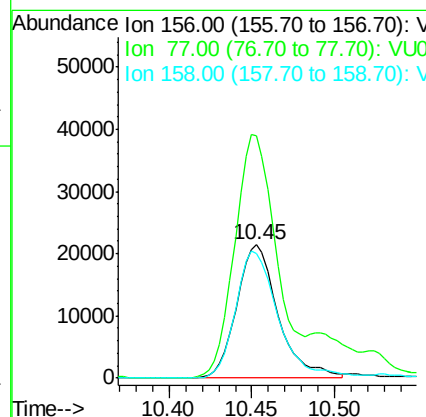
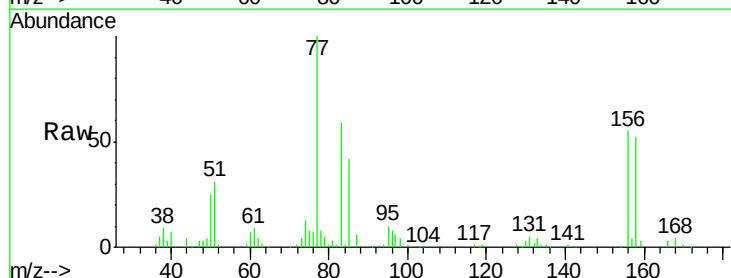
Manual Integrations
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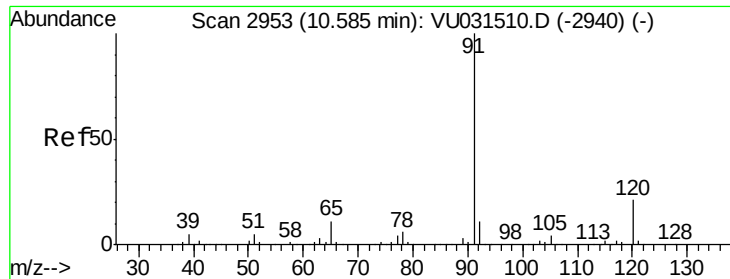
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#72
 Bromobenzene
 Concen: 1.797 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	183.1	0.0	353.4	
158	98.3	0.0	190.6	





#73

n-propylbenzene

Concen: 1.778 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 37474

Ion Ratio Lower Upper

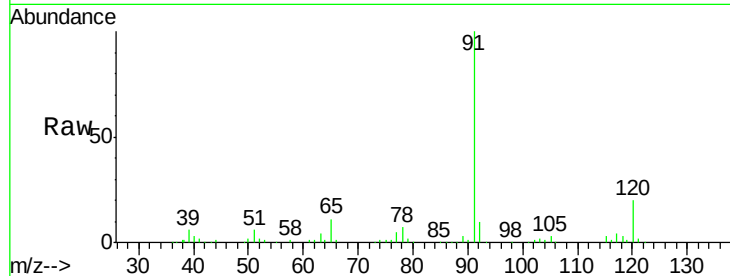
120 100

91 474.8 373.9 560.9

Manual Integrations
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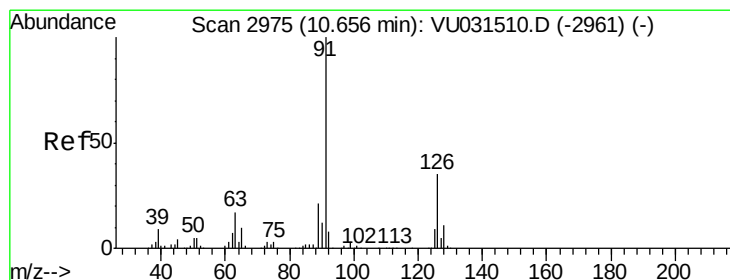
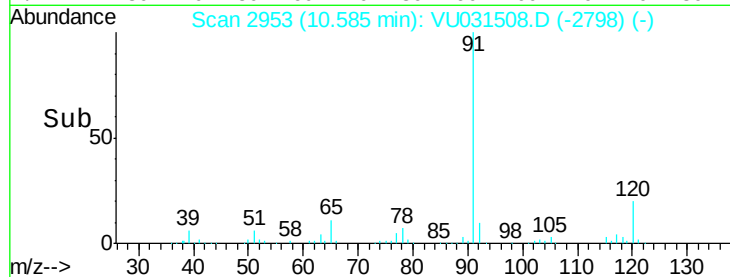
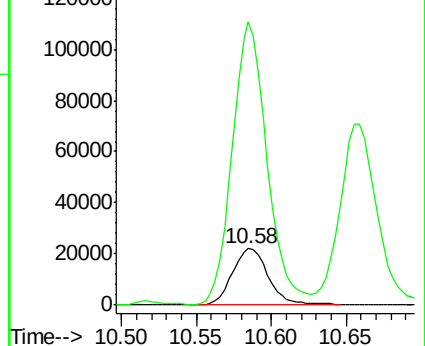
MMdadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.836 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031508.D

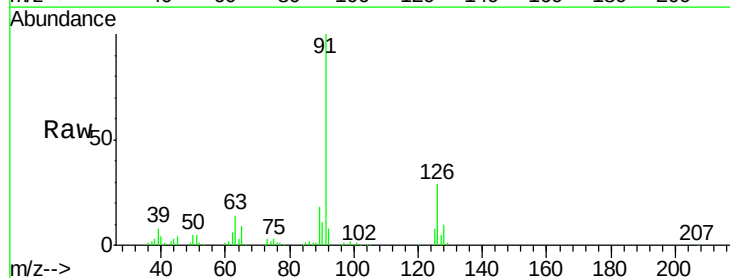
Acq: 25 Apr 2019 19:23

Tgt Ion:126 Resp: 35648

Ion Ratio Lower Upper

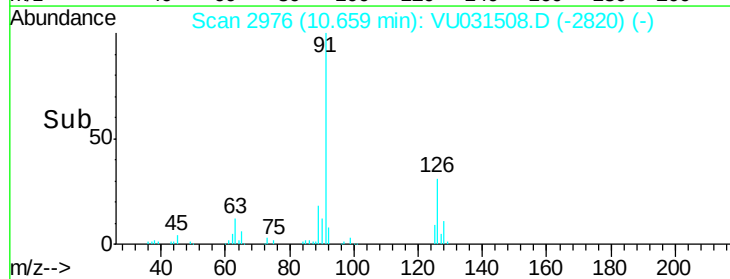
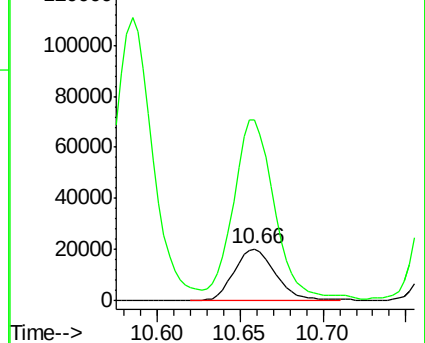
126 100

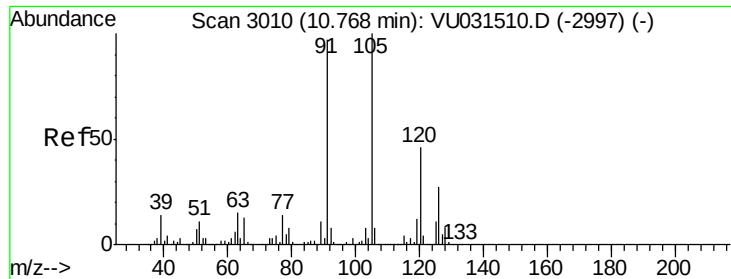
91 337.1 0.0 659.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.793 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 120675

Ion Ratio Lower Upper

105 100

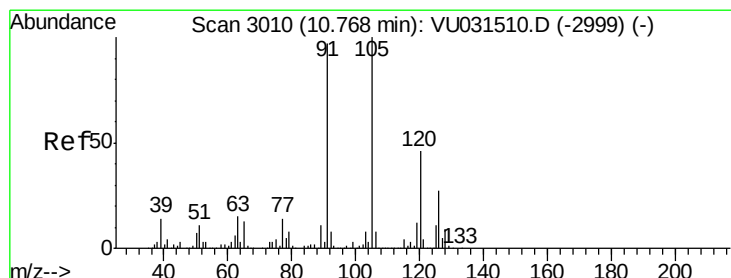
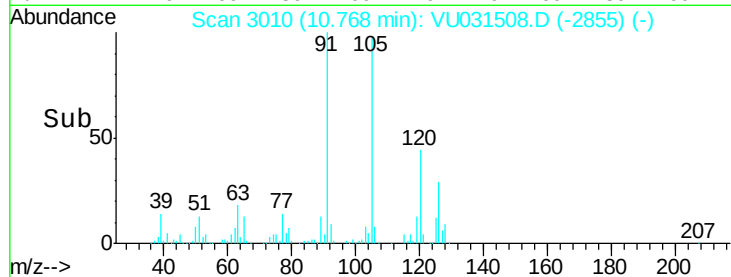
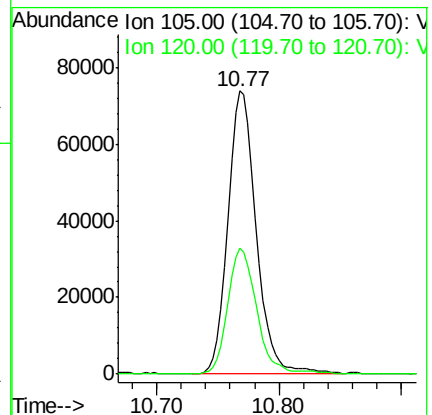
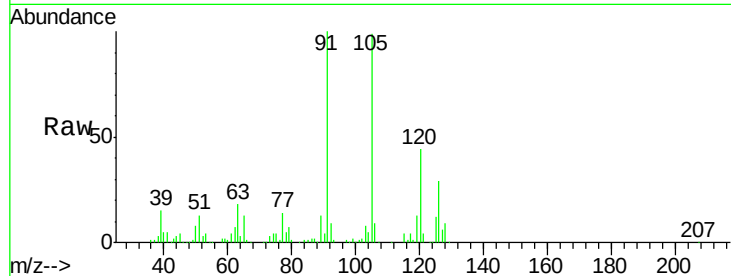
120 45.0 36.8 55.2

Manual Integrations

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#76

4-Chlorotoluene

Concen: 1.857 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031508.D

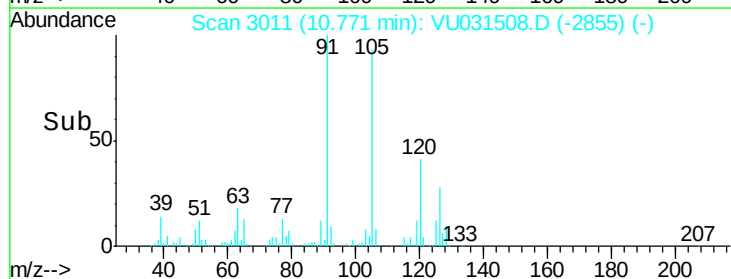
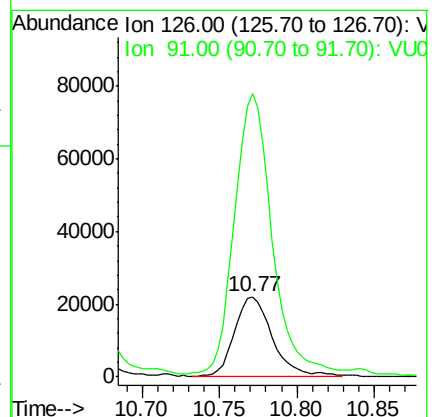
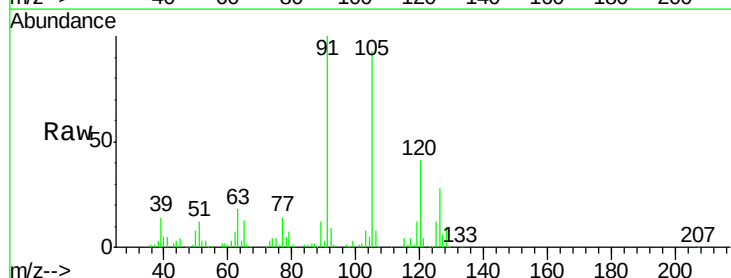
Acq: 25 Apr 2019 19:23

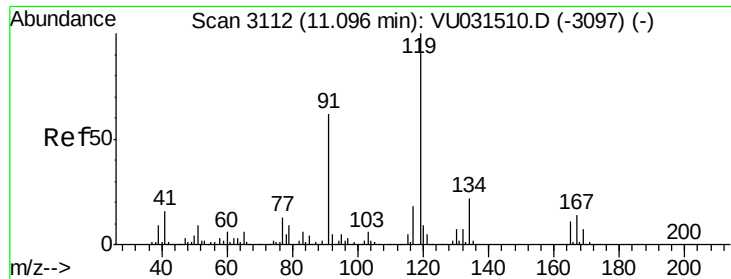
Tgt Ion:126 Resp: 36445

Ion Ratio Lower Upper

126 100

91 354.3 0.0 732.0





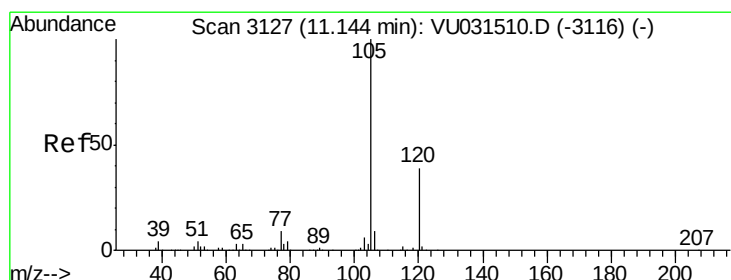
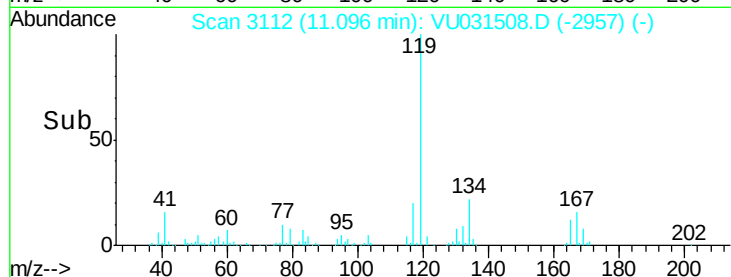
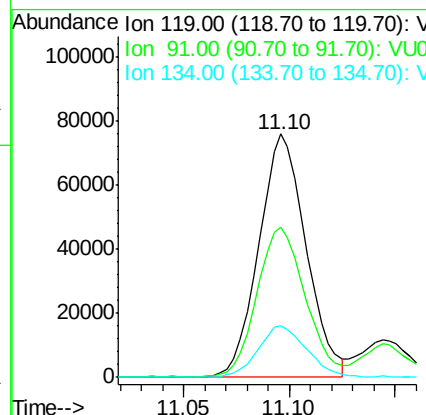
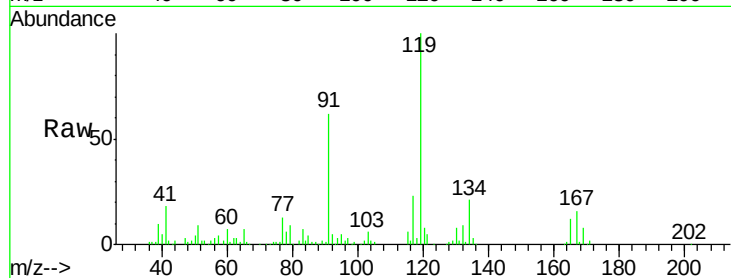
#77
 tert-Butylbenzene
 Concen: 1.816 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.4	94.2
134	21.9	17.4	26.2

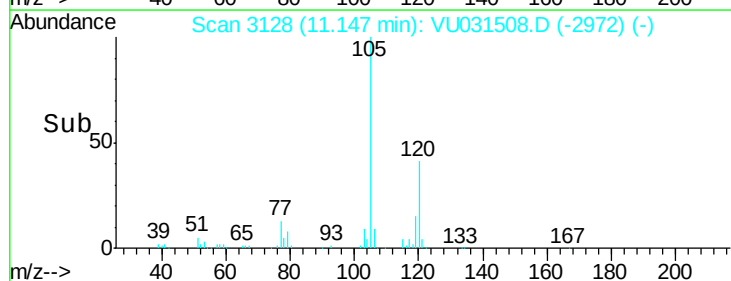
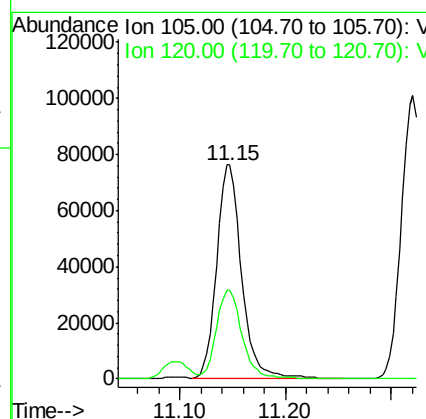
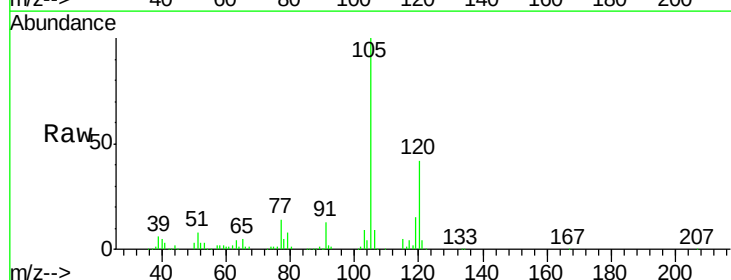
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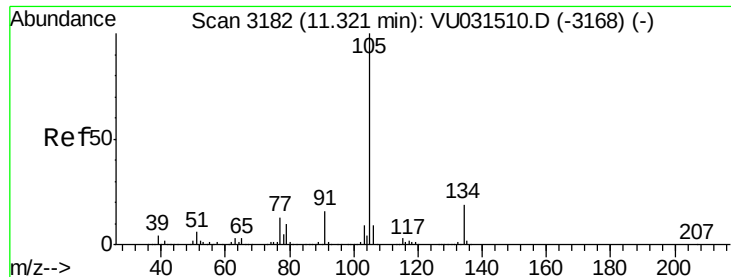
MMDadoda
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.832 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.6	65.0





#79

sec-Butylbenzene

Concen: 1.799 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 158602

Ion Ratio Lower Upper

105 100

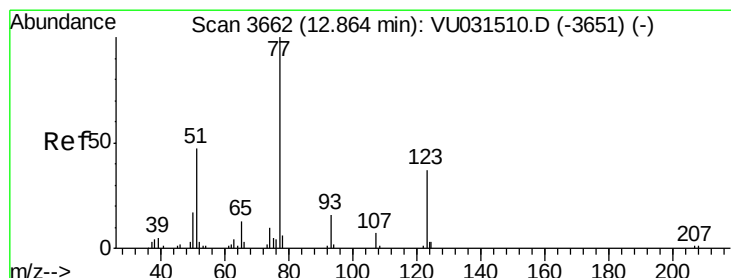
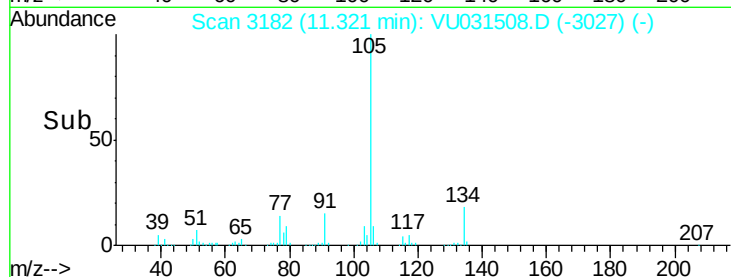
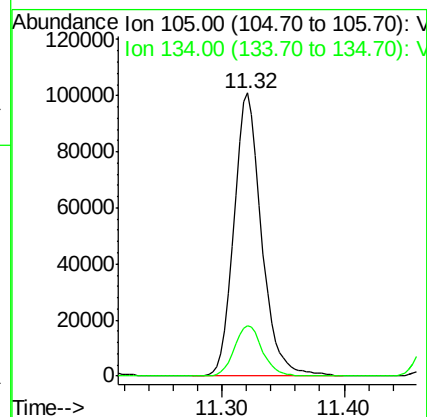
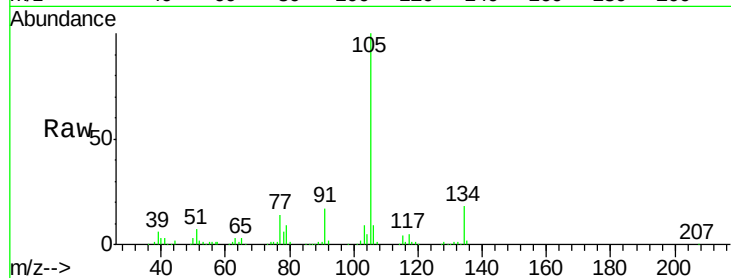
134 18.2 15.0 22.6

Manual Integrations

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#80

Nitrobenzene

Concen: 4.514 ug/l m

RT: 12.89 min Scan# 3669

Delta R.T. 0.02 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

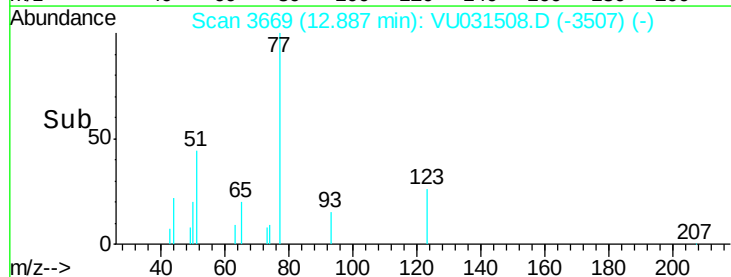
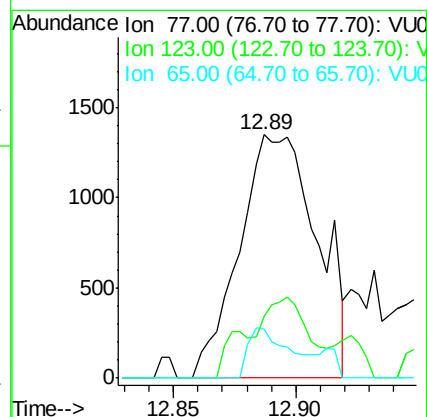
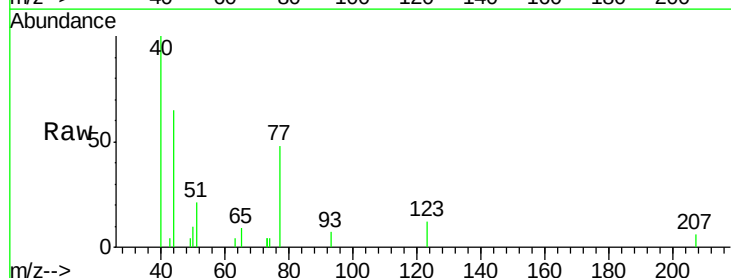
Tgt Ion: 77 Resp: 2982

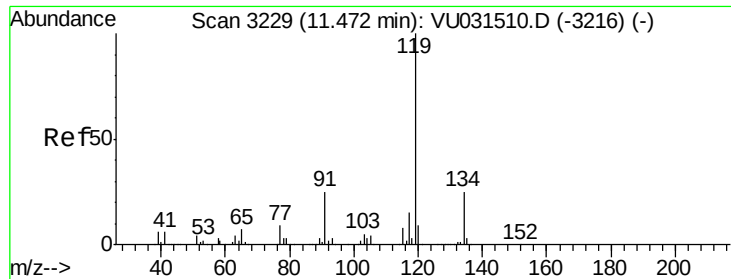
Ion Ratio Lower Upper

77 100

123 5.9 17.2 61.0#

65 7.2 9.7 12.3#





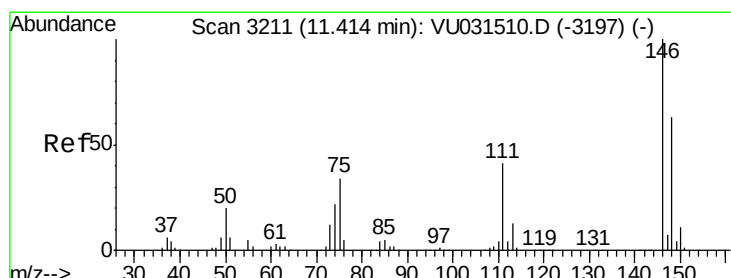
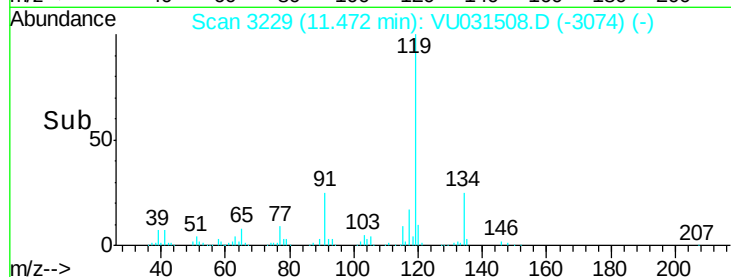
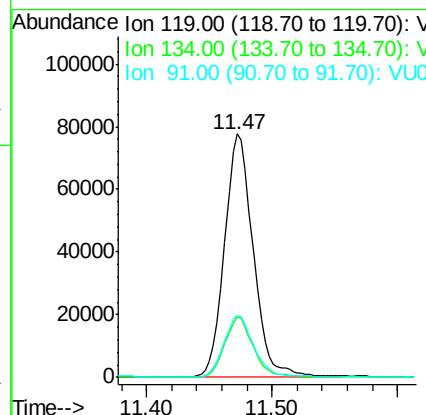
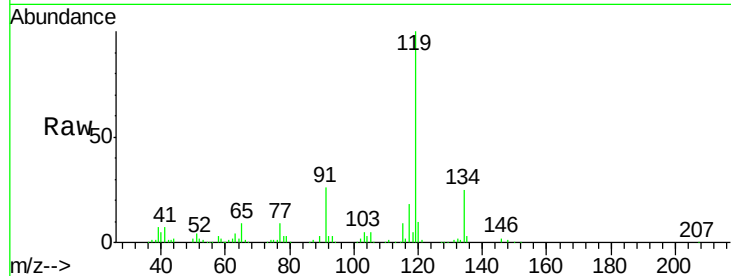
#81
 p-Isopropyltoluene
 Concen: 1.722 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121446		
134	25.0	20.3	30.5	
91	26.6	20.3	30.5	

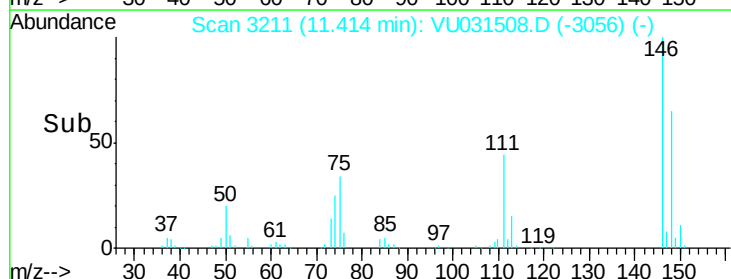
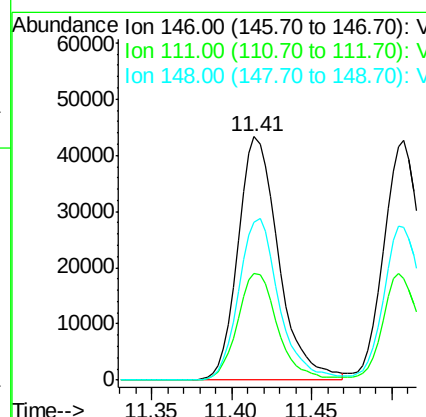
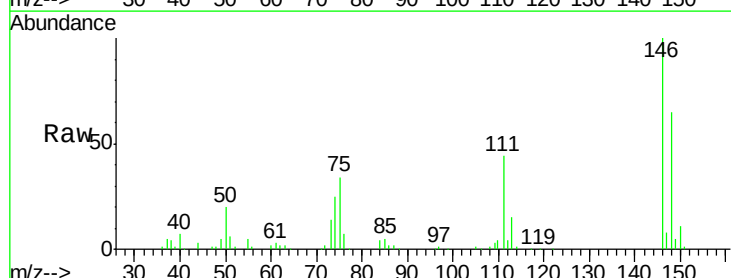
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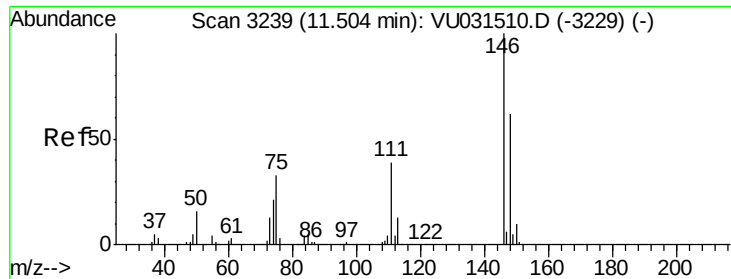
MMdadoda
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#82
 1,3-Dichlorobenzene
 Concen: 1.828 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	75052		
111	43.3	33.4	50.0	
148	65.6	50.2	75.4	





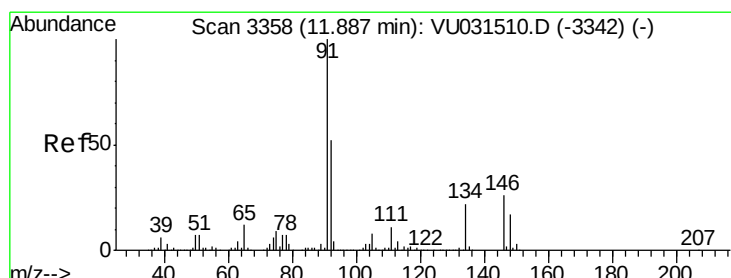
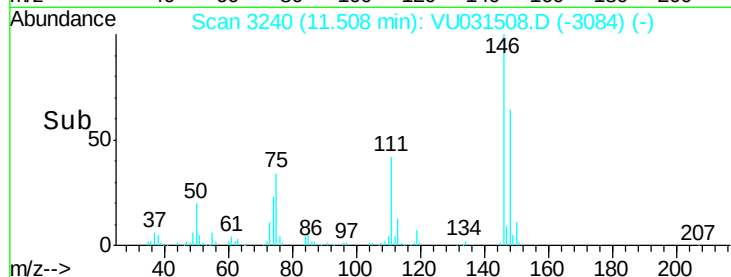
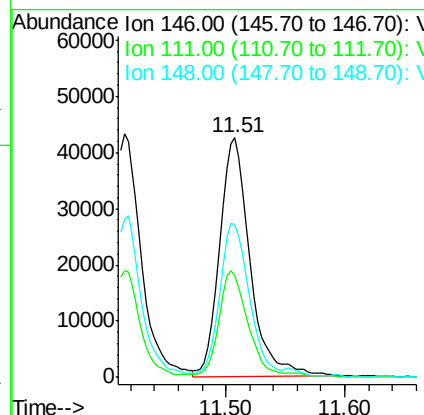
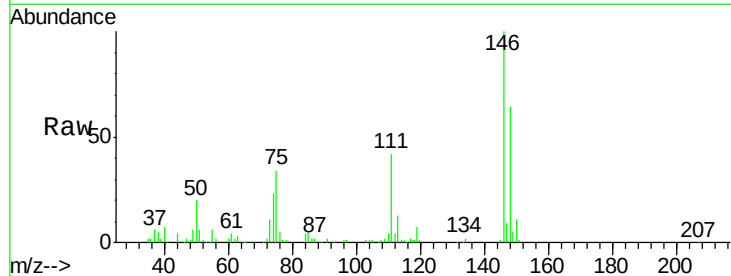
#83
 1,4-Dichlorobenzene
 Concen: 1.900 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	32.2	48.4
148	58.8	51.2	76.8

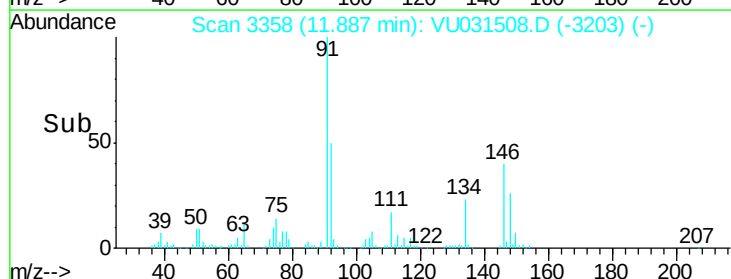
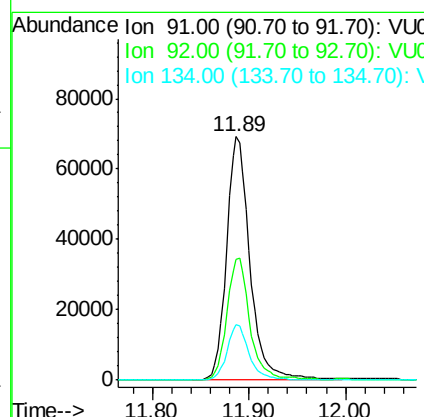
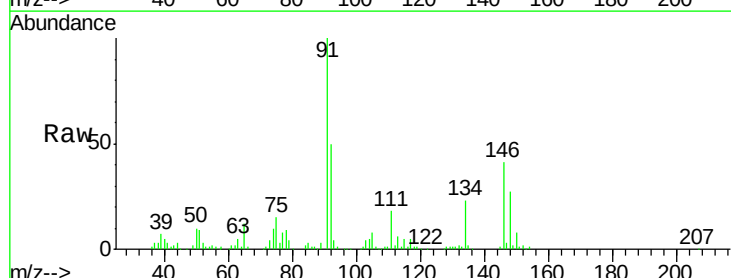
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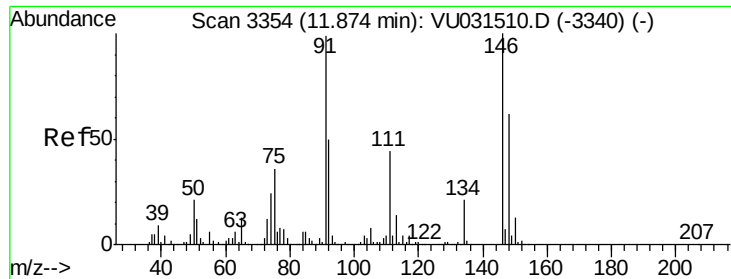
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#84
 n-Butylbenzene
 Concen: 1.704 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.4	41.2	61.8
134	21.5	18.1	27.1





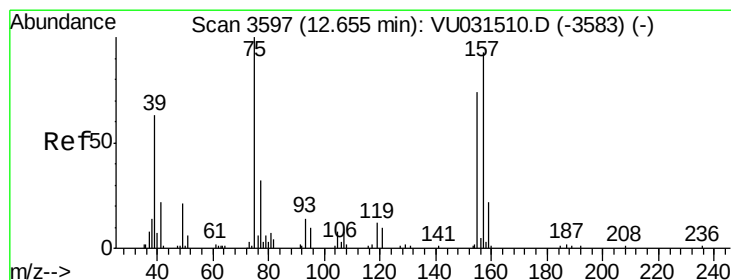
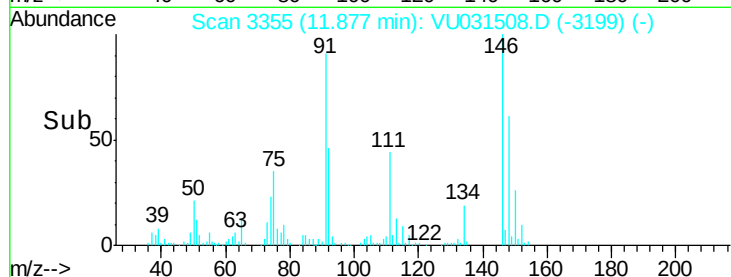
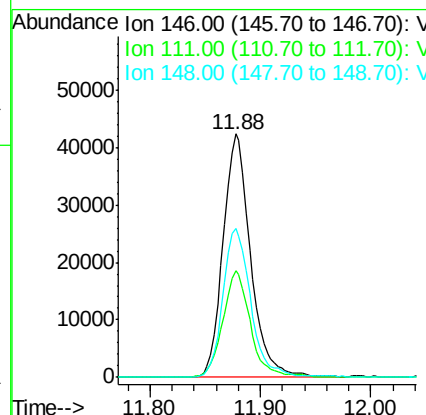
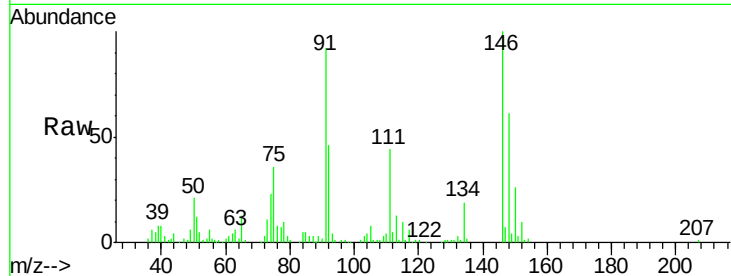
#85
 1,2-Dichlorobenzene
 Concen: 1.917 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.7	65.1
148	61.7	31.6	94.7

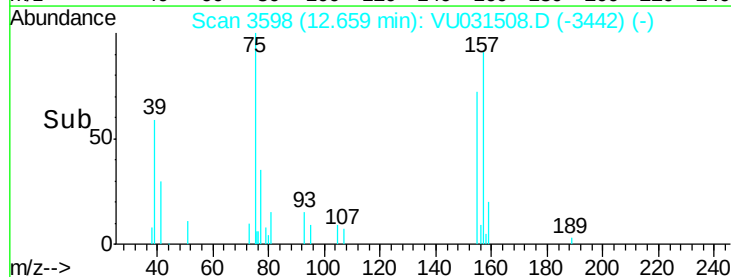
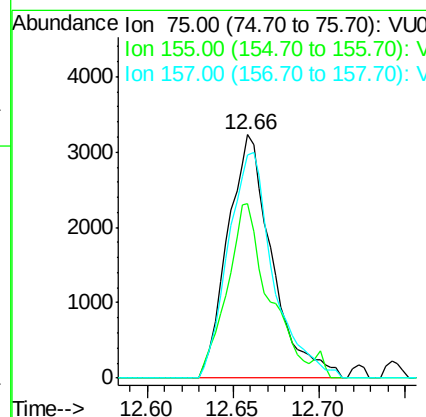
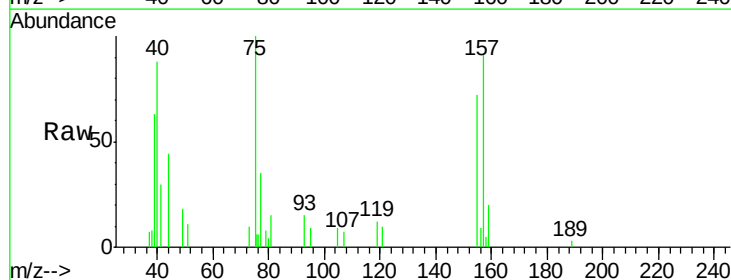
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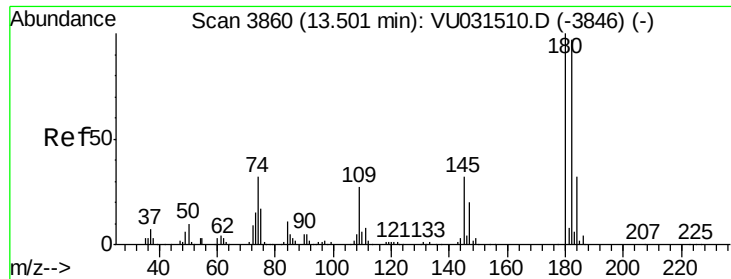
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.959 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	58.5	87.7
157	94.6	75.0	112.4





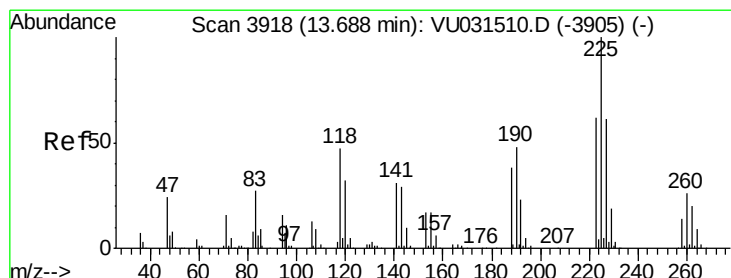
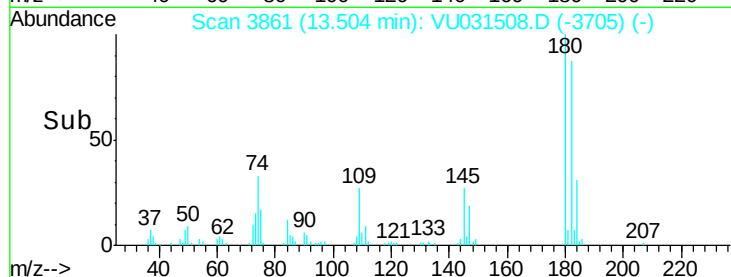
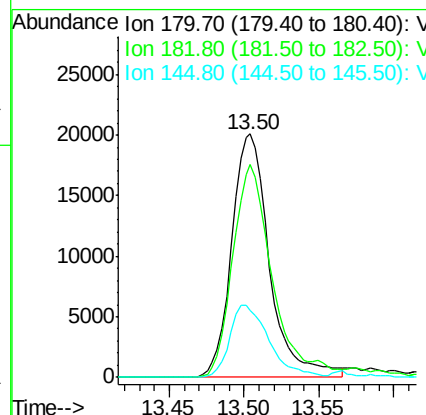
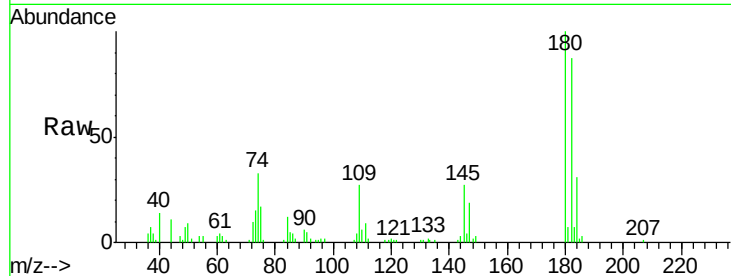
#87
 1,2,4-Trichlorobenzene
 Concen: 1.540 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.5	113.3
145	30.9	23.9	35.9

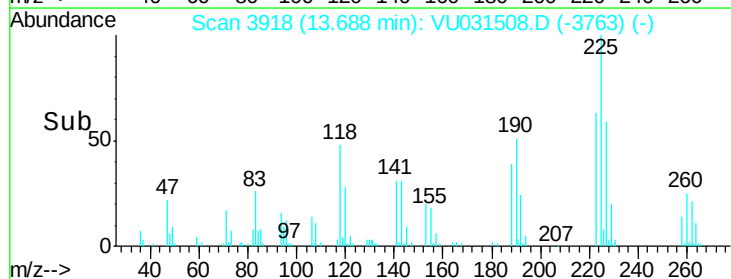
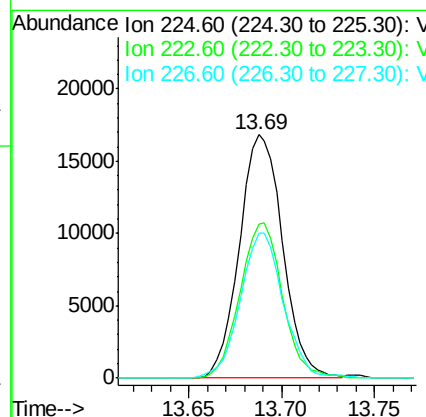
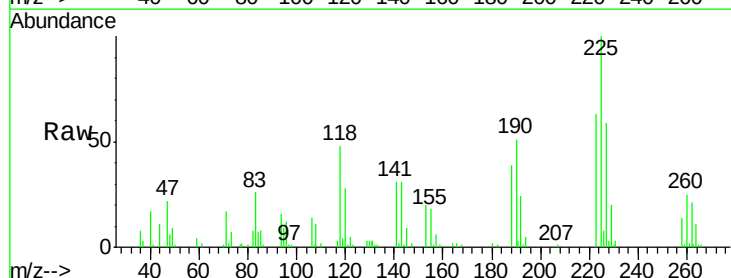
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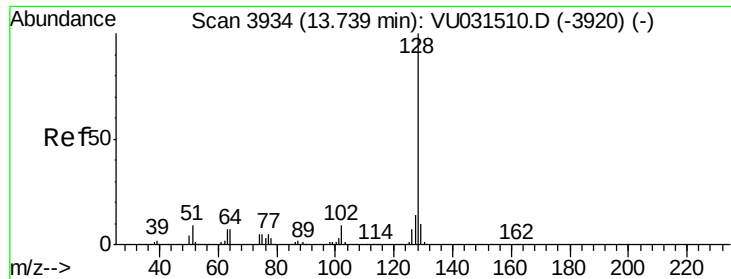
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#88
 Hexachlorobutadiene
 Concen: 1.753 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU031508.D
 Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.4
227	59.5	50.4	75.6





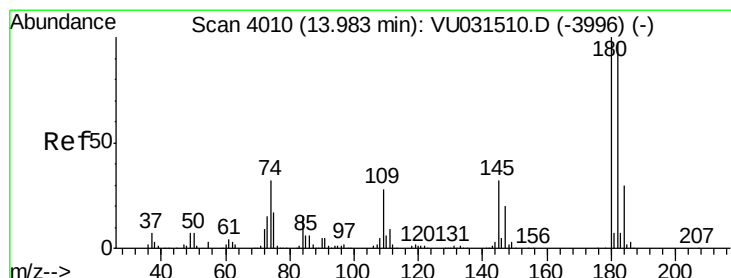
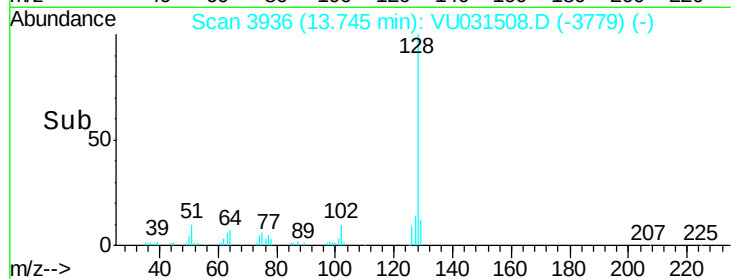
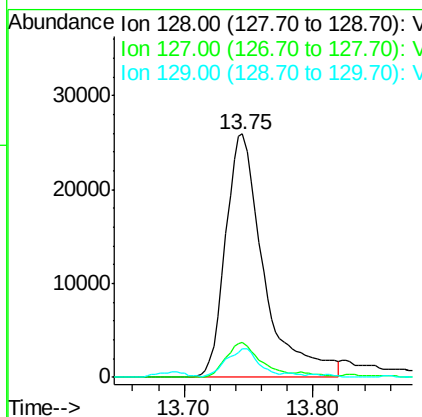
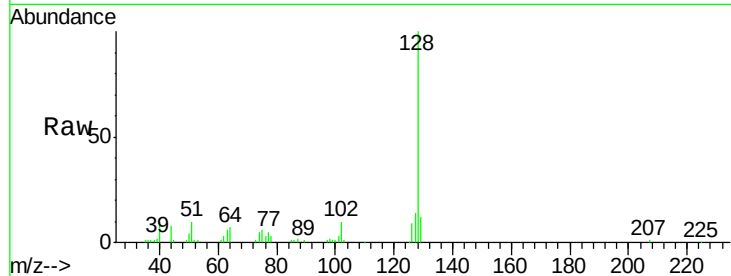
#89
Naphthalene
Concen: 1.396 ug/l
RT: 13.75 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	9.2	8.2	12.2

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 1.583 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU031508.D
Acq: 25 Apr 2019 19:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.1	115.7
145	30.5	25.9	38.9

