

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031509.D
 Acq On : 25 Apr 2019 19:50
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:31 PM

Quant Time: Apr 26 03:49:50 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	75451	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	27220	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	24993	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	171315	5.240	ug/l	96
3) Chloromethane	1.32	50	202999	5.773	ug/l	100
4) Vinyl Chloride	1.40	62	193961	5.646	ug/l	99
5) Bromomethane	1.62	94	90554	4.693	ug/l	99
6) Chloroethane	1.69	64	107453	4.706	ug/l	98
7) Trichlorofluoromethane	1.88	101	222454	4.620	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	108740	4.552	ug/l	99
9) 1,1-Dichloroethene	2.28	96	109720	4.598	ug/l	99
10) Iodomethane	2.41	142	127435	4.053	ug/l	99
11) Allyl Chloride	2.59	41	237283	5.006	ug/l	99
12) Acrylonitrile	2.93	53	65871	9.514	ug/l	94
13) Acetone	2.32	43	142731	22.582	ug/l	96
14) Carbon Disulfide	2.47	76	418811	4.734	ug/l	100
15) Methylene Chloride	2.69	84	129574	4.223	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	123473	4.679	ug/l	98
17) 1,1-Dichloroethane	3.44	63	259735	5.899	ug/l	100
18) 2-Butanone	4.27	43	205587	30.084	ug/l	97
19) Cyclohexane	4.99	56	209473m	6.579	ug/l	
20) Methylcyclohexane	6.41	83	167117	5.446	ug/l	98
21) 2,2-Dichloropropane	4.22	77	185564	5.520	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	130894	5.486	ug/l	97
23) Diethyl Ether	2.10	59	104832	4.703	ug/l	97
24) tert-Butyl Alcohol	2.83	59	109874	46.692	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	314827	4.532	ug/l	99
26) Bromochloromethane	4.54	128	56336	5.241	ug/l	98
27) Chloroform	4.67	83	237384	5.518	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	197536	5.425	ug/l	100
29) 1,1-Dichloropropene	5.13	75	168183	5.484	ug/l	98
30) Carbon Tetrachloride	5.13	117	169963	5.323	ug/l	100
31) Isopropyl Ether	3.57	45	387943	5.947	ug/l	98
32) Ethyl-t-butyl ether	4.06	59	318225	5.806	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	261180	5.604	ug/l	99
34) Propionitrile	4.33	54	54033	28.727	ug/l #	92
35) Benzene	5.38	78	509080	5.632	ug/l	98
36) 1,2-Dichloroethane	5.40	62	161535	5.607	ug/l	99
37) Trichloroethene	6.18	130	122561	4.910	ug/l	96
38) 1,2-Dichloropropane	6.43	63	141098	5.824	ug/l	100
39) Methacrylonitrile	4.54	41	47768	5.653	ug/l	98
40) Methyl acrylate	4.42	55	63380	5.813	ug/l	97
41) Tetrahydrofuran	4.64	42	49726	11.541	ug/l	99
42) 1-Chlorobutane	5.06	56	260213	5.931	ug/l	97

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 VSTDIC005

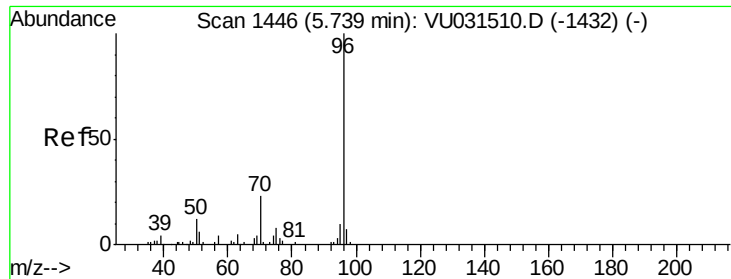
Manual Integrations
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Quant Time: Apr 26 03:49:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 02:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	68405	5.333	ug/l	100
44) Bromodichloromethane	6.75	83	172997	5.567	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	431932	28.477	ug/l	98
46) t-1,4-Dichloro-2-butene	10.50	75	54022m	9.586	ug/l	
47) Methyl methacrylate	6.62	69	115640	10.793	ug/l	98
48) Ethyl methacrylate	8.02	69	99183	5.253	ug/l	99
49) Toluene	7.63	92	272527	5.531	ug/l	95
50) t-1,3-Dichloropropene	7.88	75	140077	5.340	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	169435	5.423	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	90364	5.253	ug/l	94
53) 1,3-Dichloropropane	8.24	76	164304	5.586	ug/l	100
54) 2-Hexanone	8.36	43	291787	28.437	ug/l	97
55) Dibromochloromethane	8.47	129	102769	5.058	ug/l	98
56) 1,2-Dibromoethane	8.58	107	83483	5.230	ug/l	99
58) Tetrachloroethene	8.22	164	119861	5.623	ug/l	98
59) Chlorobenzene	9.12	112	279009	5.148	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.20	131	106946	5.247	ug/l	99
61) Pentachloroethane	11.10	117	75305	4.835	ug/l	93
62) Hexachloroethane	12.14	117	74974	4.926	ug/l	98
63) Ethyl Benzene	9.25	91	479768	5.510	ug/l	100
64) m/p-Xylenes	9.37	106	372973	11.298	ug/l	98
65) o-Xylene	9.77	106	176091	5.558	ug/l	99
66) Styrene	9.79	104	306690	5.709	ug/l	98
67) Bromoform	9.95	173	53854	4.642	ug/l	98
69) Isopropylbenzene	10.16	105	454132	5.362	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.45	83	116803	5.230	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	83274m	5.179	ug/l	
72) Bromobenzene	10.45	156	111549	5.020	ug/l	95
73) n-propylbenzene	10.58	120	121210	5.372	ug/l	95
74) 2-Chlorotoluene	10.66	126	117632	5.660	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	415471	5.765	ug/l	98
76) 4-Chlorotoluene	10.77	126	118479	5.639	ug/l	99
77) tert-Butylbenzene	11.10	119	367374	5.279	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	422449	5.830	ug/l	99
79) sec-Butylbenzene	11.32	105	523693	5.550	ug/l	99
80) Nitrobenzene	12.86	77	12524m	17.710	ug/l	
81) p-Isopropyltoluene	11.47	119	411350	5.449	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	230306	5.239	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	229523	5.409	ug/l	99
84) n-Butylbenzene	11.89	91	391044	5.350	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	212916	5.187	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.65	75	16640	5.255	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	112340	4.568	ug/l	97
88) Hexachlorobutadiene	13.69	225	76715	4.608	ug/l	98
89) Naphthalene	13.74	128	189138	4.600	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	114319	4.631	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

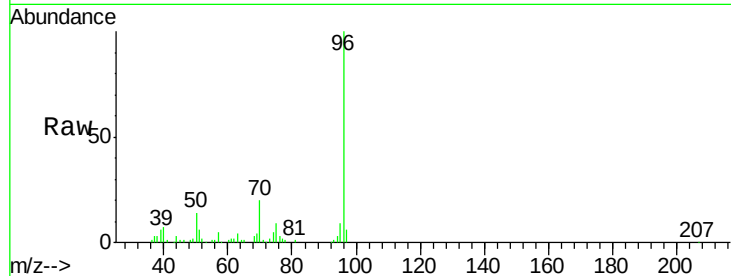
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	75451
Ion	Ratio	Lower	Upper
96	100		
70	21.4	18.2	27.2
95	7.8	7.7	11.5
97	0.0	0.0	0.0

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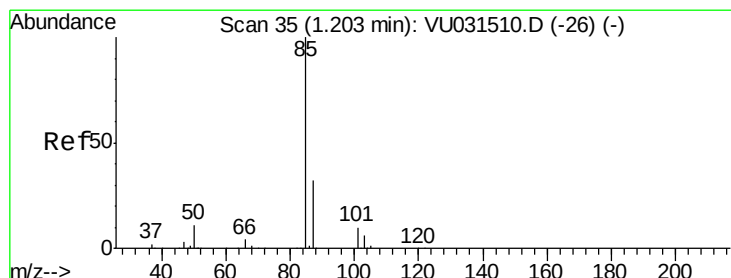
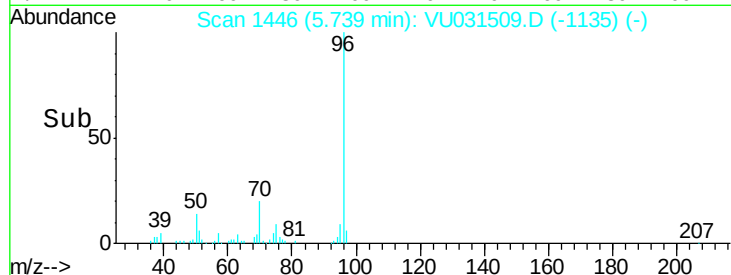
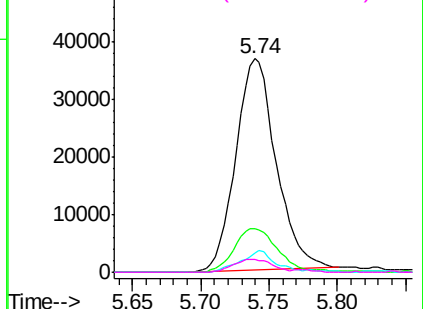


Abundance Ion 96.00 (95.70 to 96.70): VU031510.D (-1432) (-)

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: 5.240 ug/l

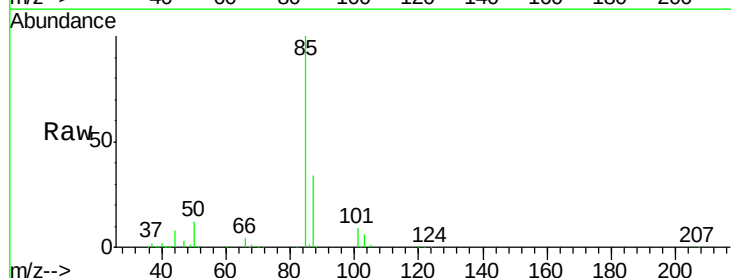
RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031509.D

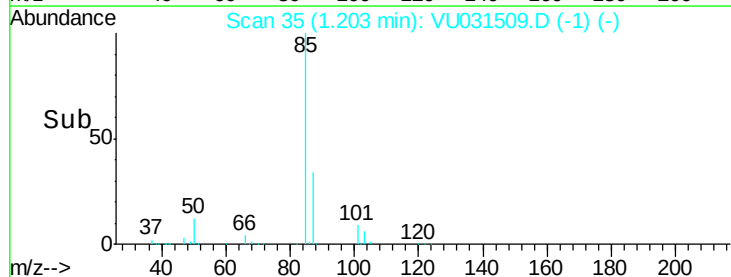
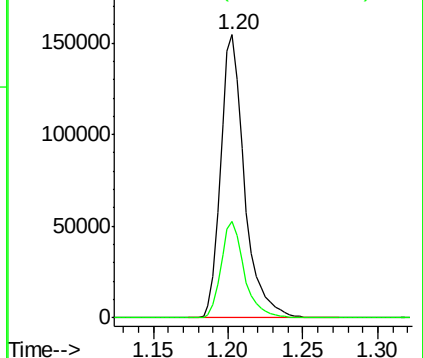
Acq: 25 Apr 2019 19:50

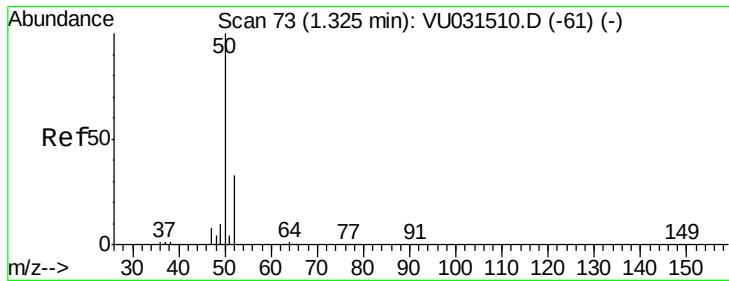
Tgt Ion:	85	Resp:	171315
Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.1	48.2



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: 5.773 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 202999

Ion Ratio Lower Upper

50 100

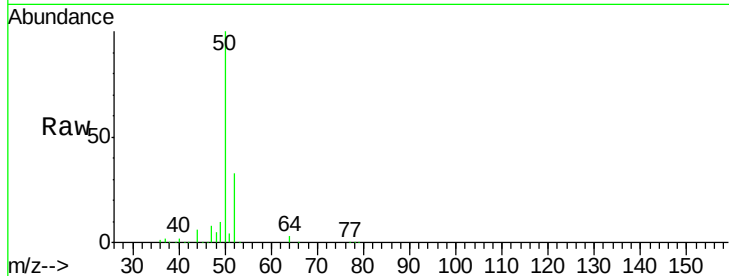
52 32.5 26.1 39.1

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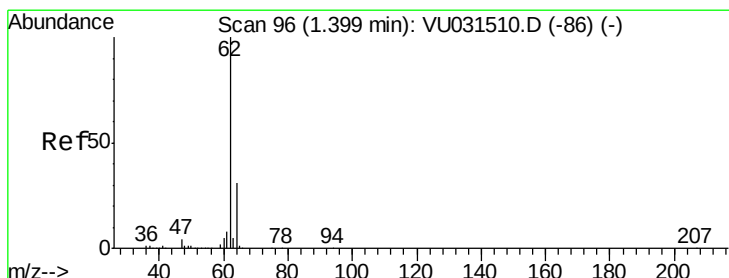
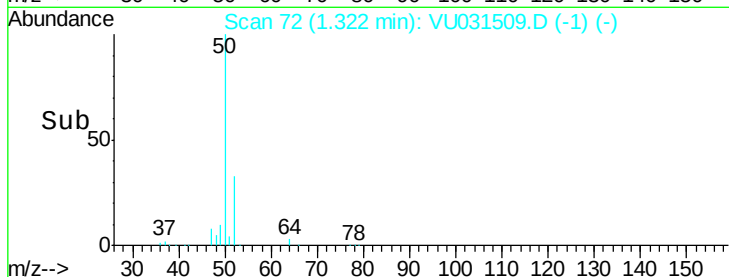
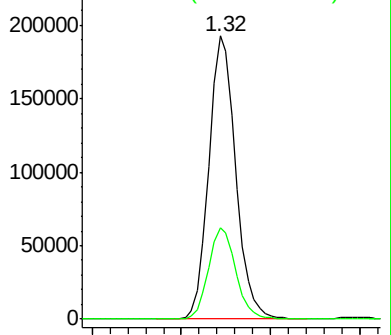
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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 5.646 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031509.D

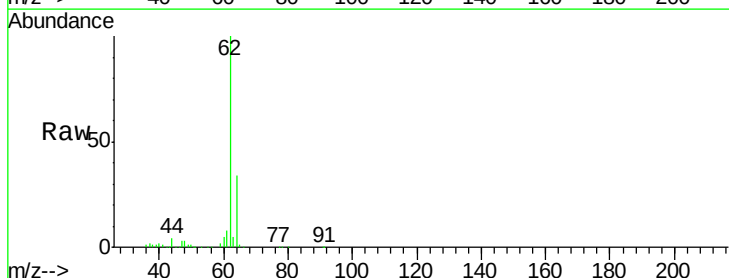
Acq: 25 Apr 2019 19:50

Tgt Ion: 62 Resp: 193961

Ion Ratio Lower Upper

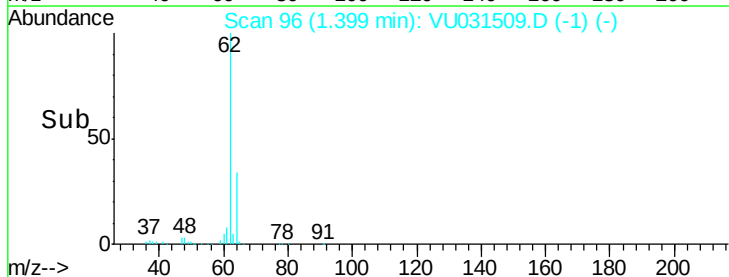
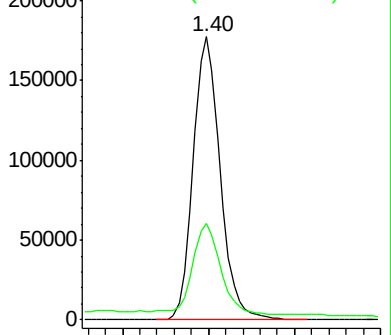
62 100

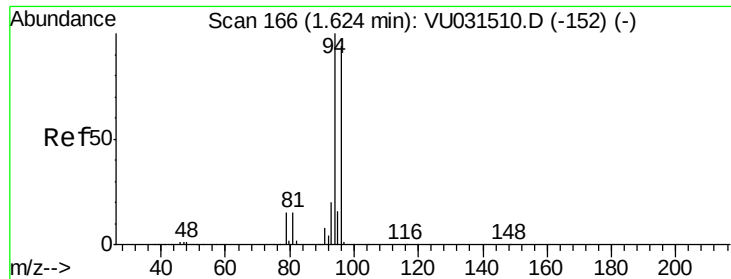
64 32.3 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 4.693 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 90554

Ion Ratio Lower Upper

94 100

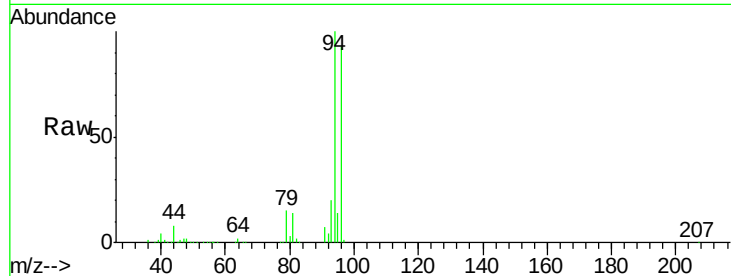
96 93.2 75.5 113.3

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Abundance Ion 94.00 (93.70 to 94.70): VU031509.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU031509.D (-152) (-)

80000

60000

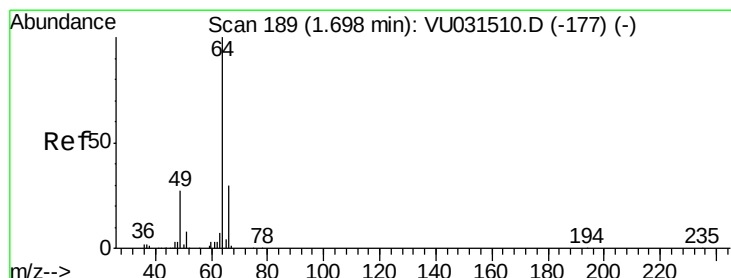
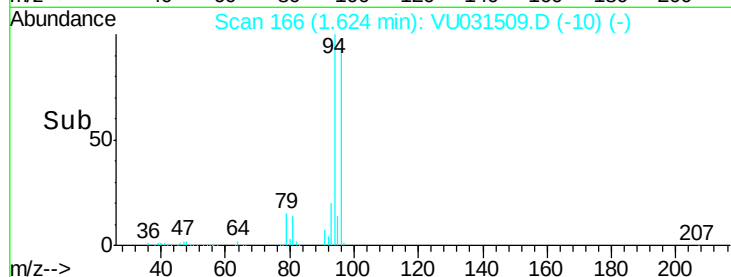
40000

20000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.706 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU031509.D

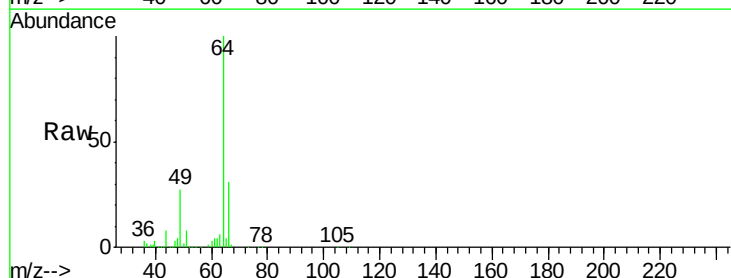
Acq: 25 Apr 2019 19:50

Tgt Ion: 64 Resp: 107453

Ion Ratio Lower Upper

64 100

66 31.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU031509.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU031509.D (-177) (-)

100000

80000

60000

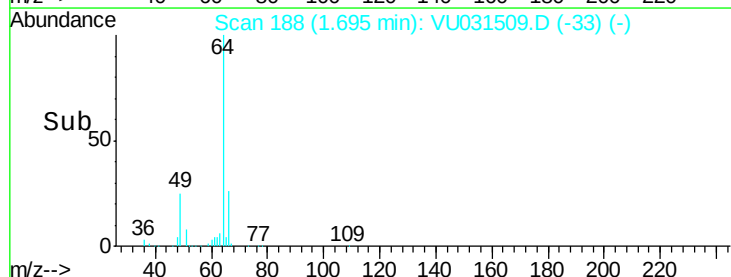
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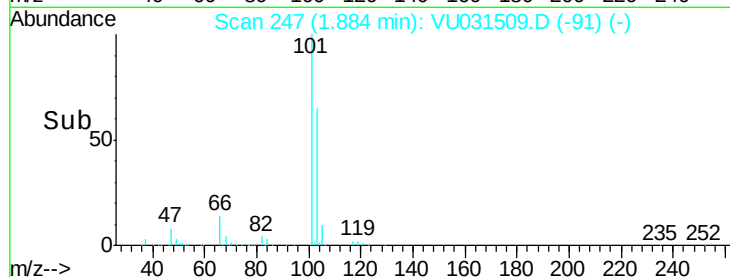
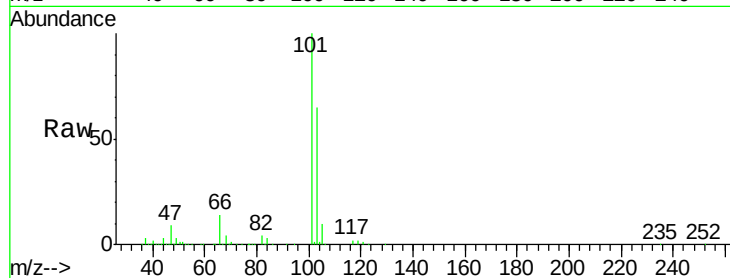
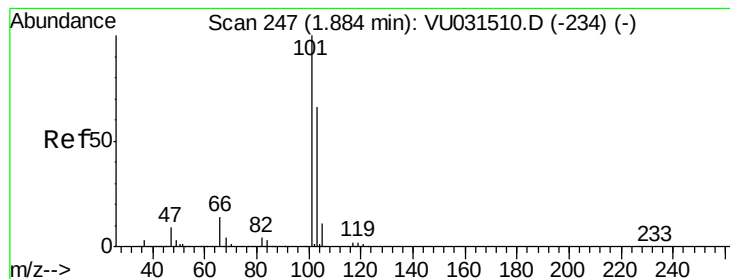
20000

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 4.620 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tot Ion:101 Resp: 222454

Ion Ratio Lower Upper

101 100

103 65.4 52.8 79.2

Instrument :

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ClientSampleId :

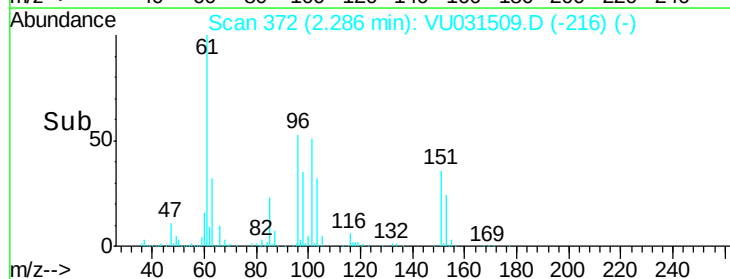
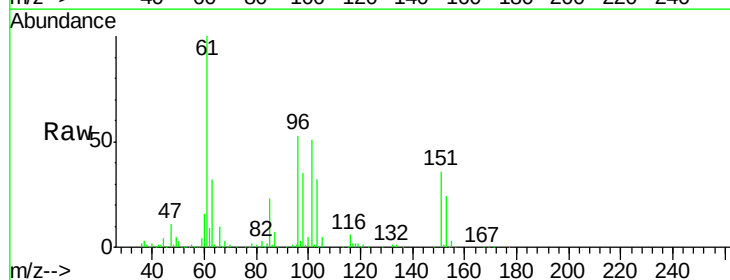
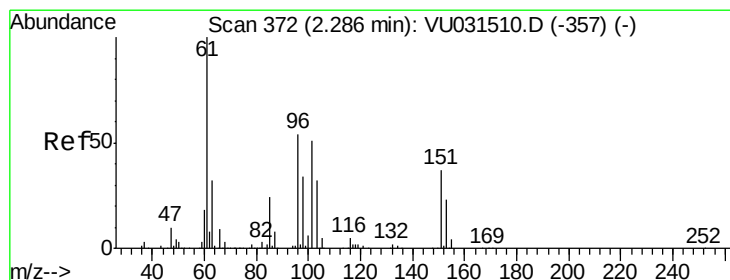
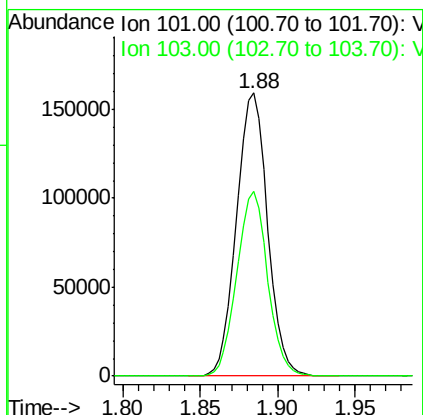
VSTDIC005

Manual Integrations

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#8

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

Concen: 4.552 ug/l

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

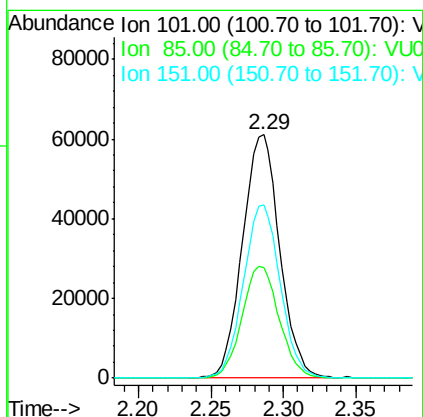
Tgt Ion:101 Resp: 108740

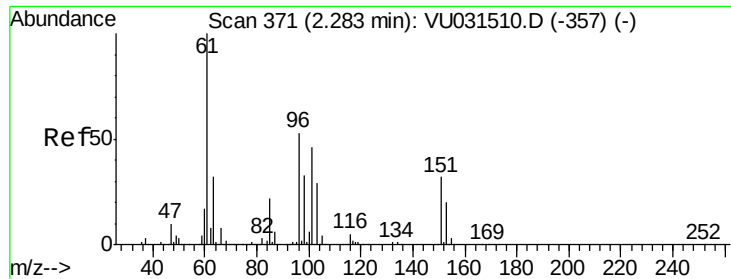
Ion Ratio Lower Upper

101 100

85 46.0 37.8 56.6

151 70.6 57.4 86.0





#9

1,1-Dichloroethene

Concen: 4.598 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

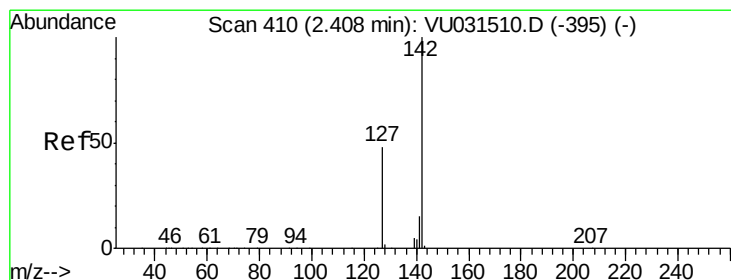
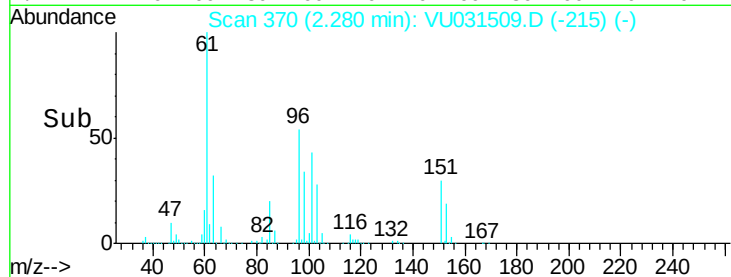
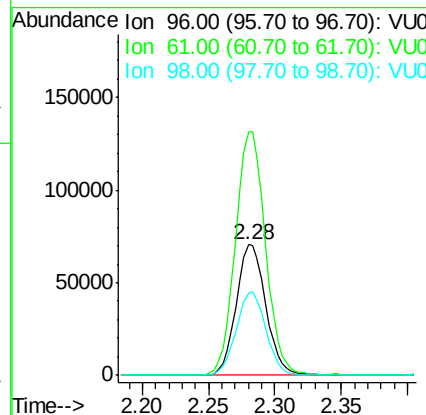
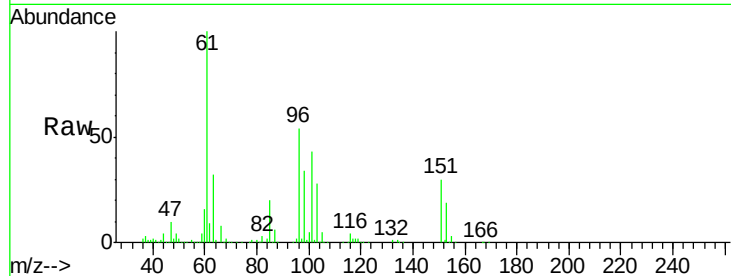
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	109720
Ion Ratio	Lower	Upper	
96	100		
61	186.2	0.0	566.7
98	63.2	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 4.053 ug/l

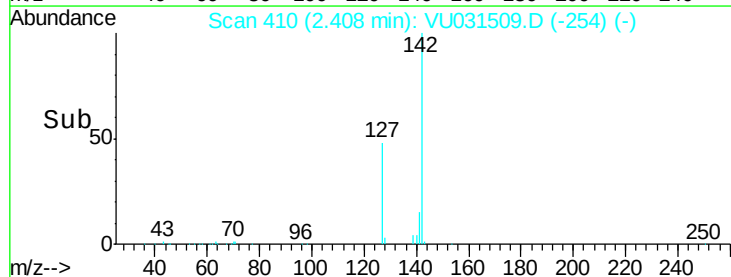
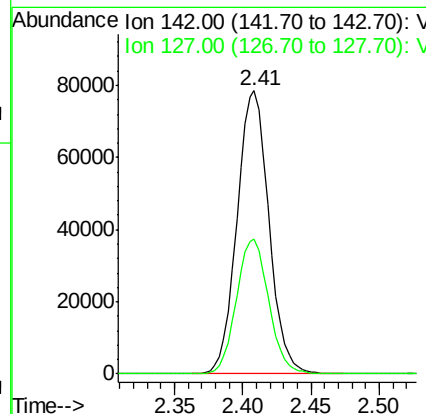
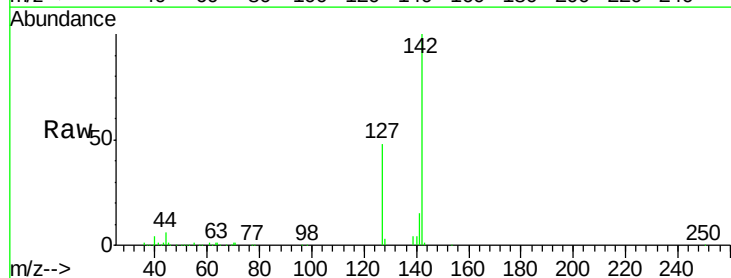
RT: 2.41 min Scan# 410

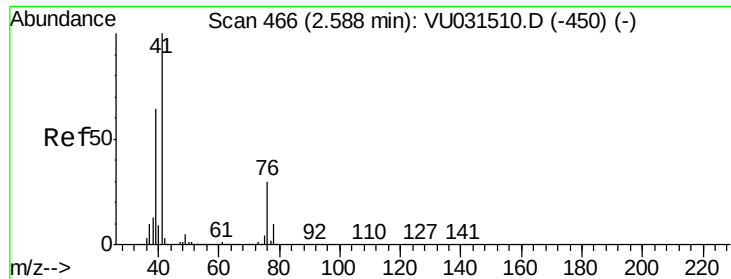
Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	142	Resp:	127435
Ion Ratio	Lower	Upper	
142	100		
127	48.2	38.2	57.2





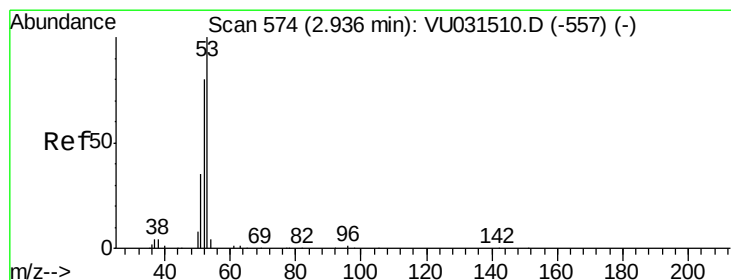
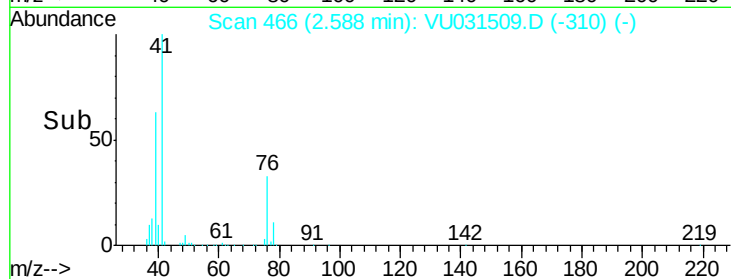
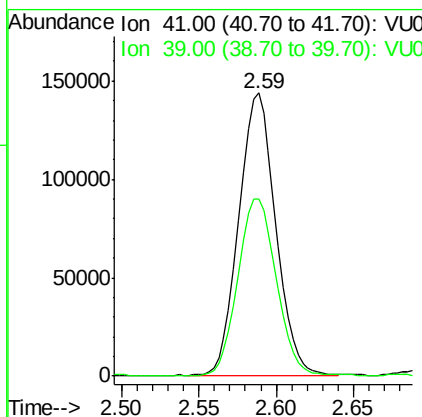
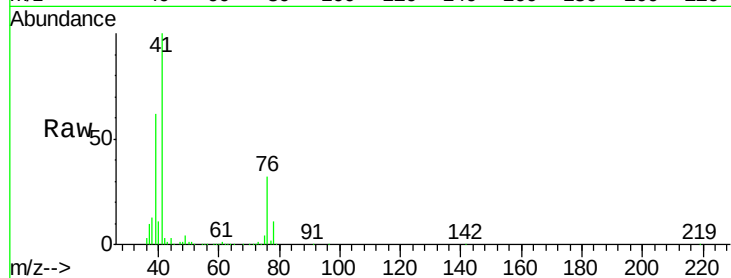
#11
Allvl Chloride
Concen: 5.006 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 237283
Ion Ratio Lower Upper
41 100
39 65.2 51.4 77.0

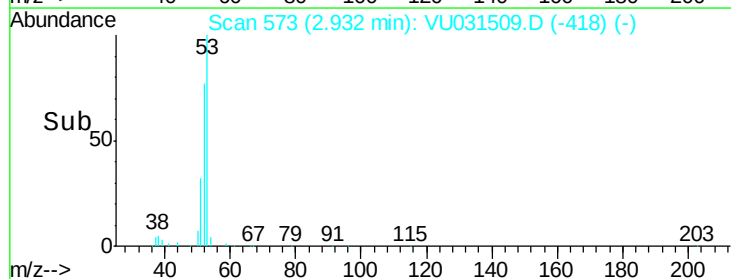
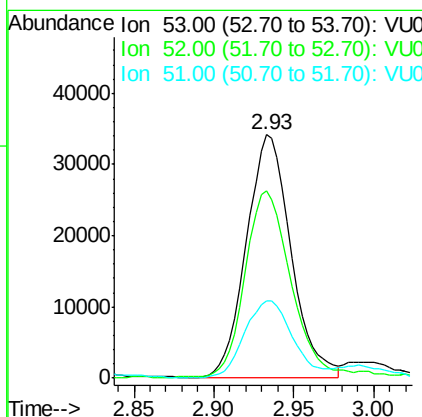
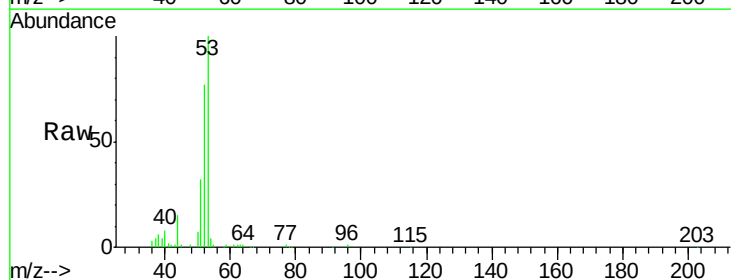
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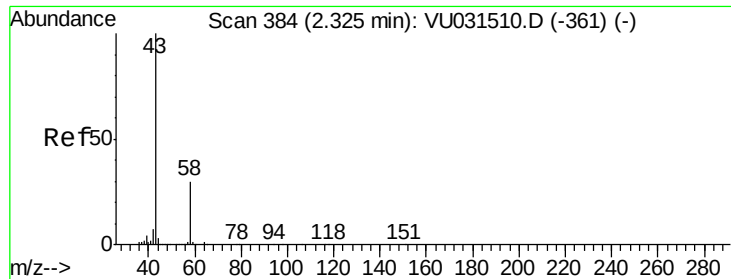
MMdadoda
4/26/2019 12:22:31 PM



#12
Acrylonitrile
Concen: 9.514 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion: 53 Resp: 65871
Ion Ratio Lower Upper
53 100
52 79.0 69.4 104.0
51 34.4 27.5 41.3





#13

Acetone

Concen: 22.582 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 142731

Ion Ratio Lower Upper

43 100

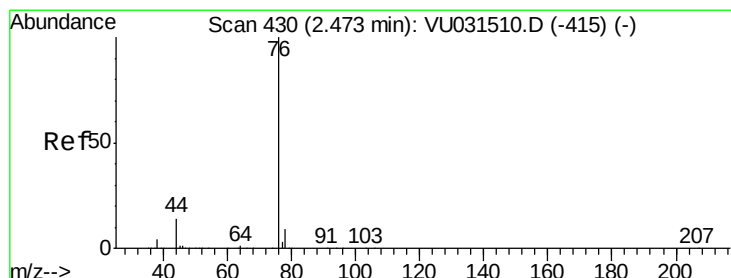
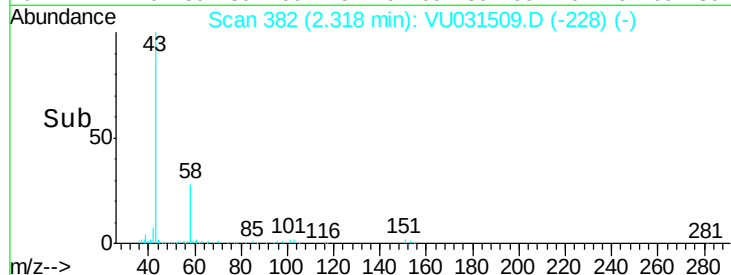
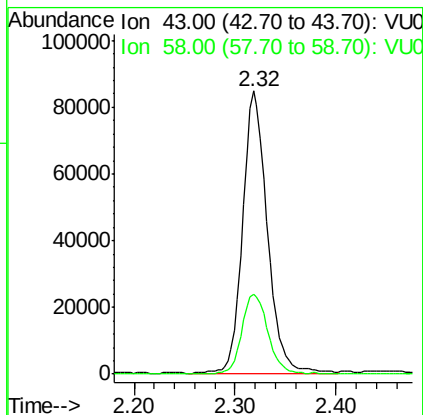
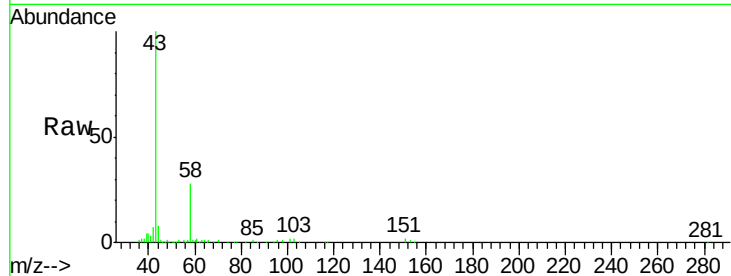
58 27.8 24.1 36.1

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#14

Carbon Disulfide

Concen: 4.734 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031509.D

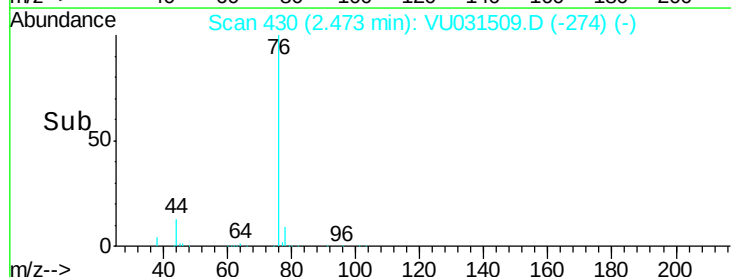
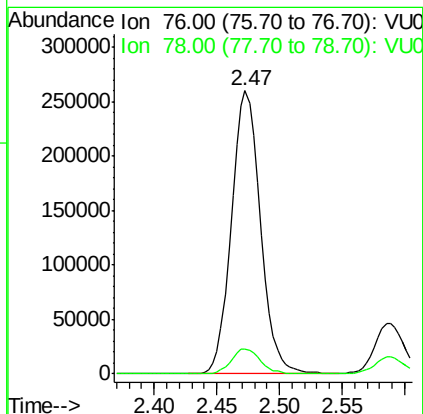
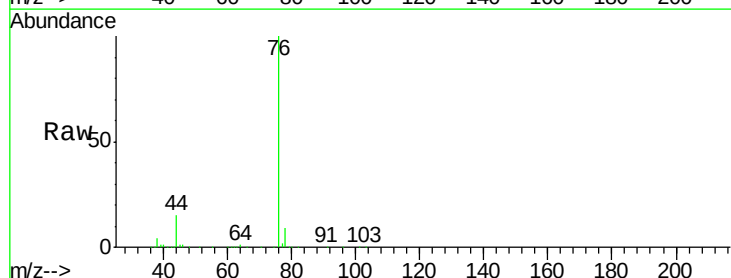
Acq: 25 Apr 2019 19:50

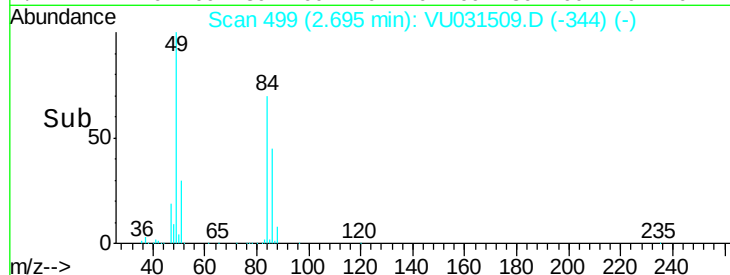
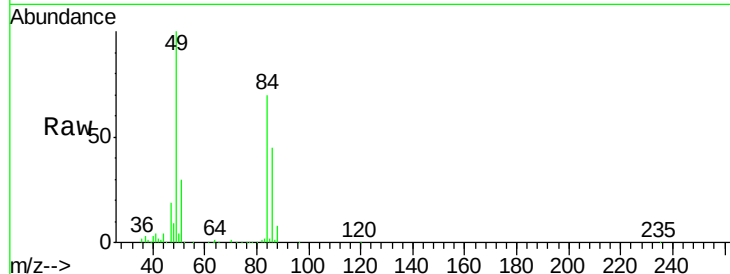
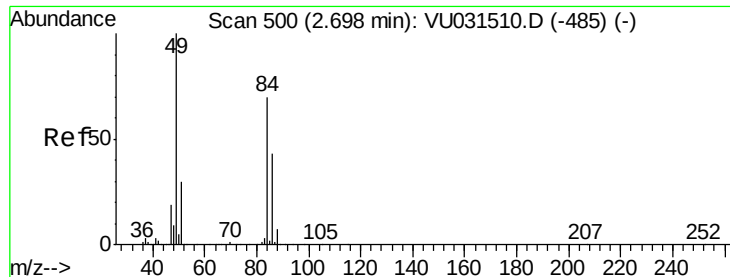
Tgt Ion: 76 Resp: 418811

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





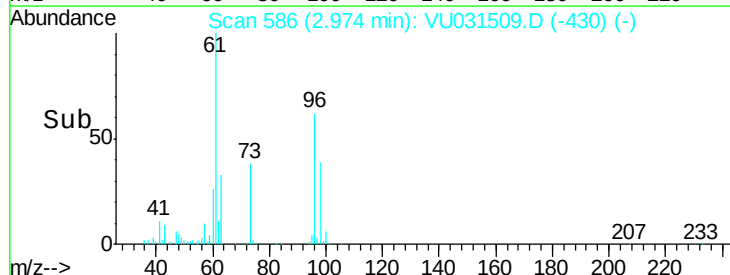
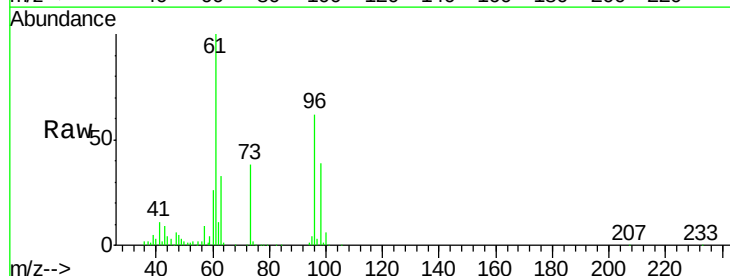
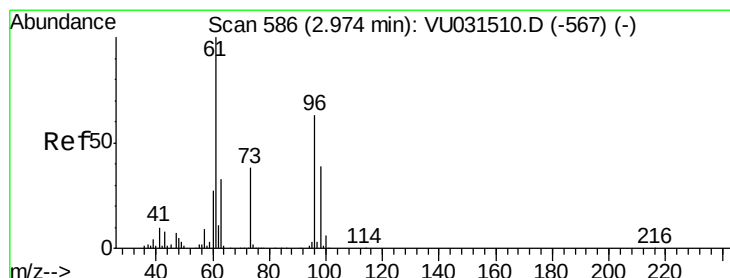
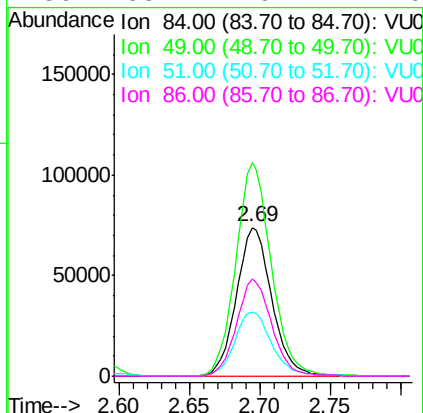
#15
Methylene Chloride
Concen: 4.223 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tot Ion:	84	Resp:	129574
Ion	Ratio	Lower	Upper
84	100		
49	143.8	113.6	170.4
51	43.2	0.0	85.6
86	65.1	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

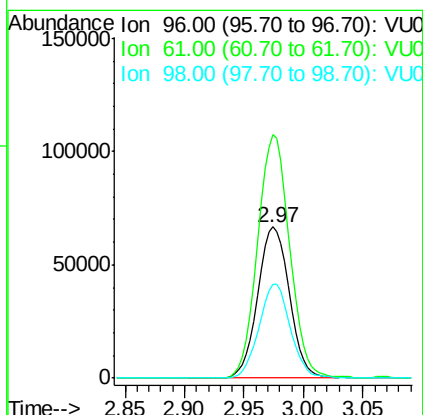
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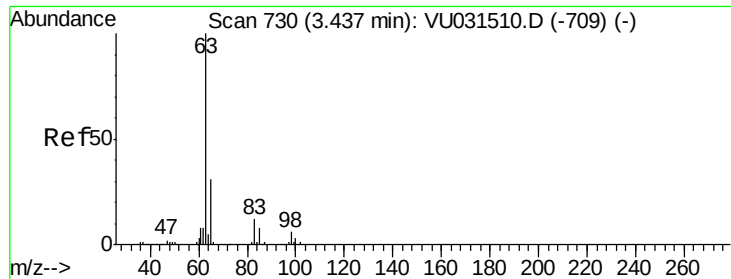
MMdadoda
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#16
trans-1,2-Dichloroethene
Concen: 4.679 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion:	96	Resp:	123473
Ion	Ratio	Lower	Upper
96	100		
61	161.4	127.2	190.8
98	62.4	49.4	74.0





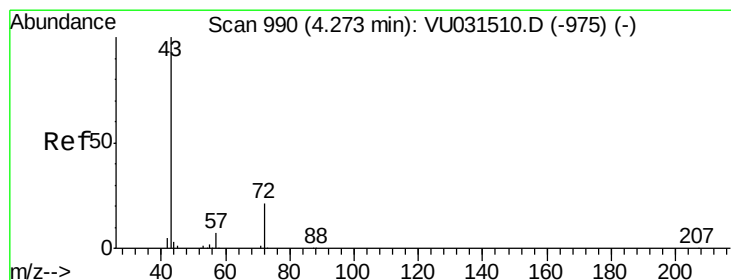
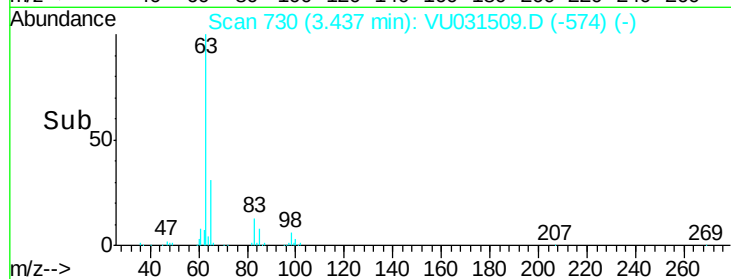
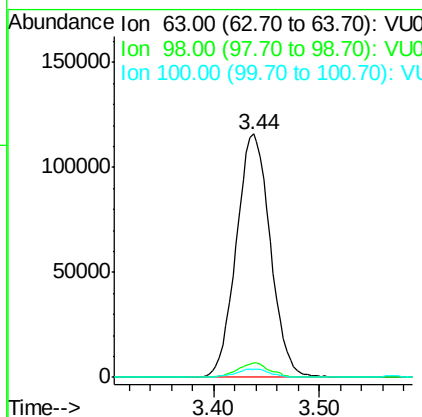
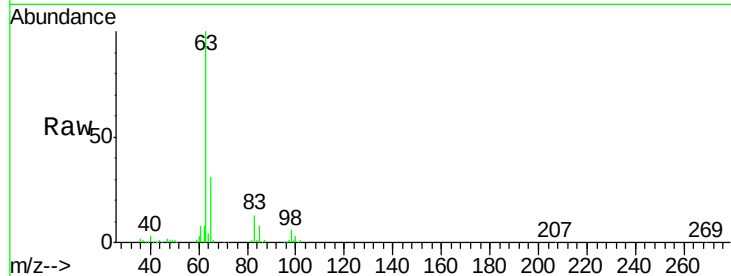
#17
 1,1-Dichloroethane
 Concen: 5.899 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100	259735		
98	6.0		3.0	9.2
100	3.4		1.7	5.1

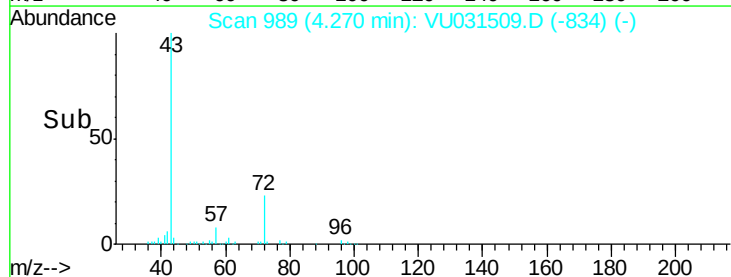
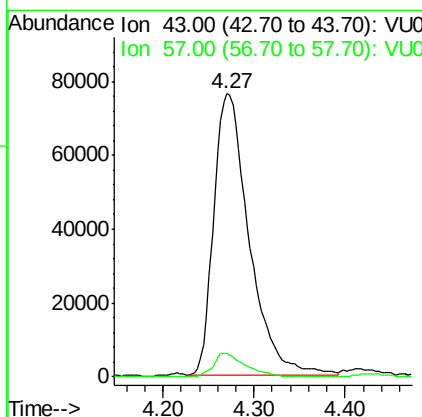
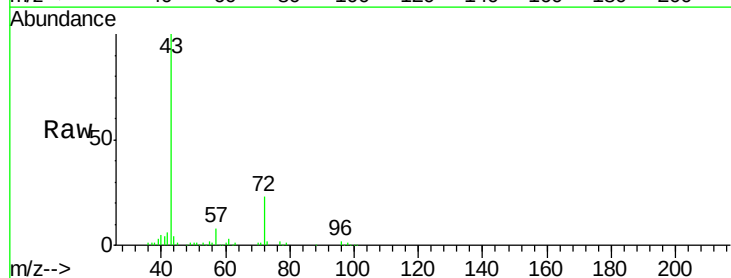
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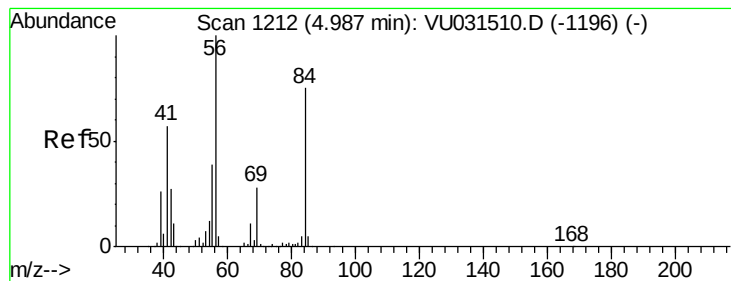
MMDadoda
 4/26/2019 12:22:31 PM



#18
 2-Butanone
 Concen: 30.084 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	205587		
57	8.1		0.0	14.2





#19

Cyclohexane

Concen: 6.579 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 209473

Ion Ratio Lower Upper

56 100

69 27.8 22.4 33.6

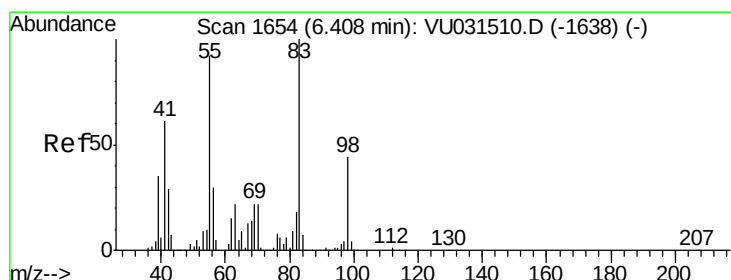
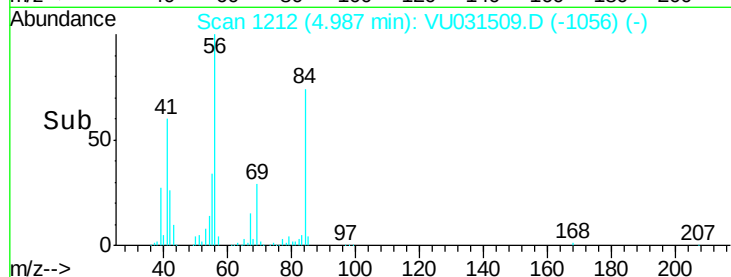
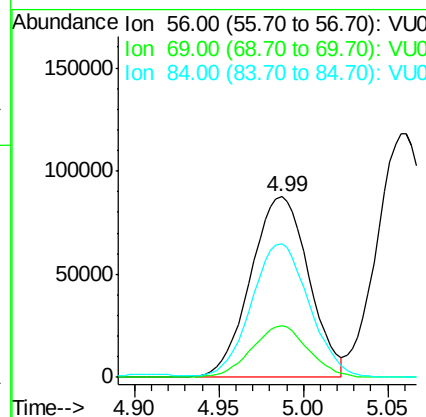
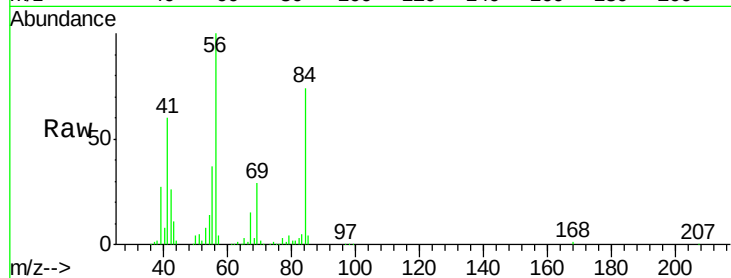
84 72.3 59.0 88.4

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#20

Methylcyclohexane

Concen: 5.446 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

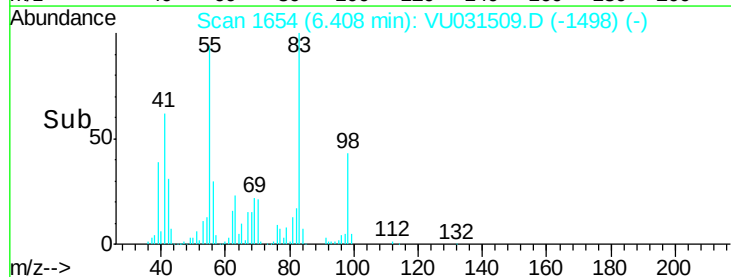
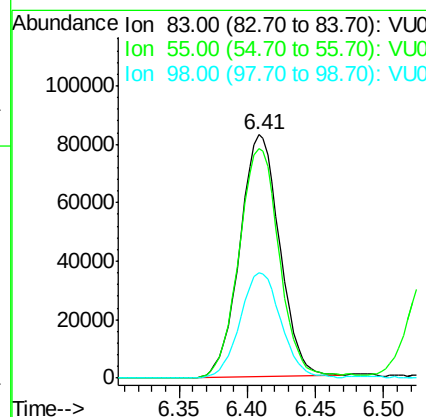
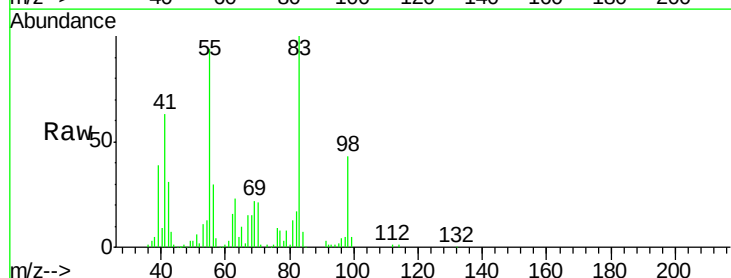
Tgt Ion: 83 Resp: 167117

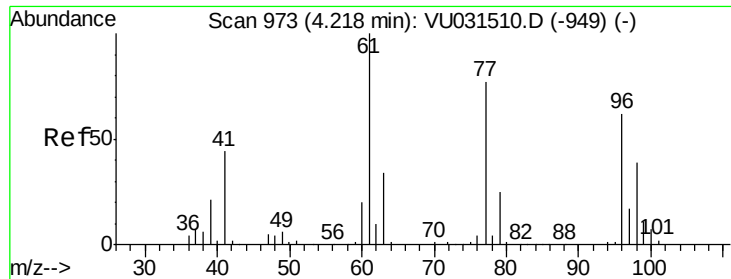
Ion Ratio Lower Upper

83 100

55 94.5 73.7 110.5

98 44.5 35.2 52.8





#21

2,2-Dichloropropane

Concen: 5.520 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 185564

Ion Ratio Lower Upper

77 100

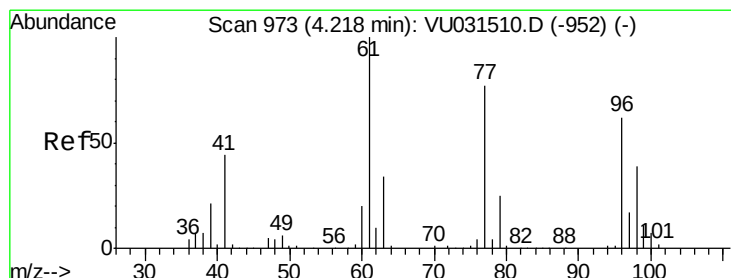
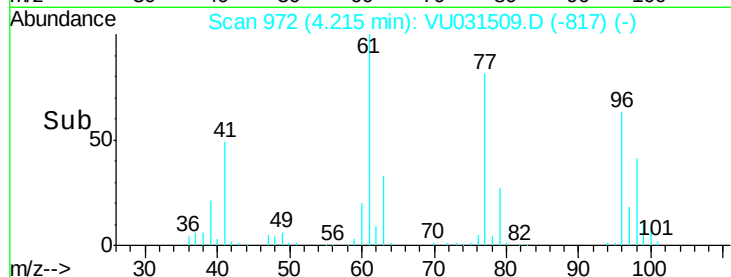
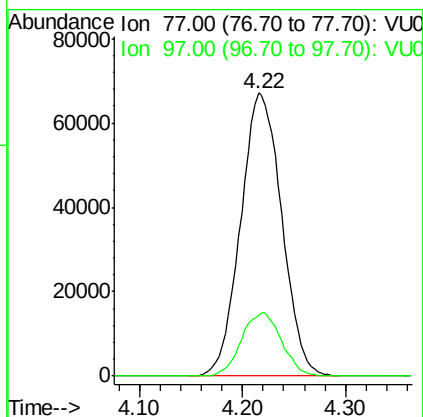
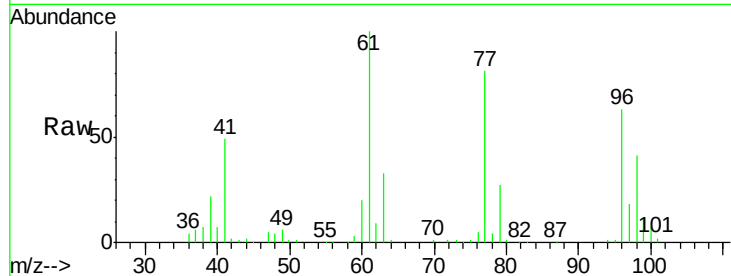
97 21.9 17.5 26.3

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#22

cis-1,2-Dichloroethene

Concen: 5.486 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

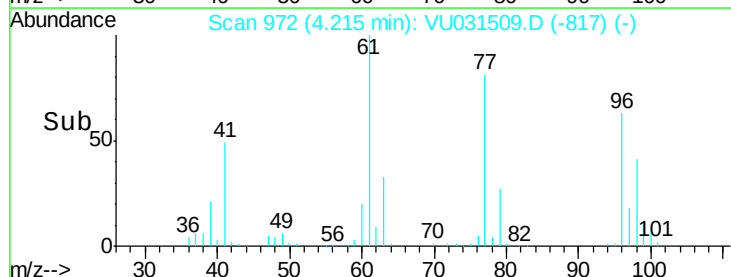
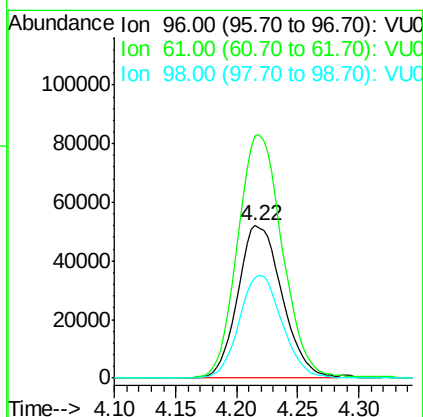
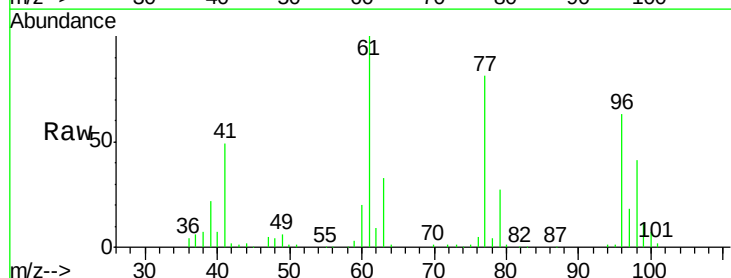
Tgt Ion: 96 Resp: 130894

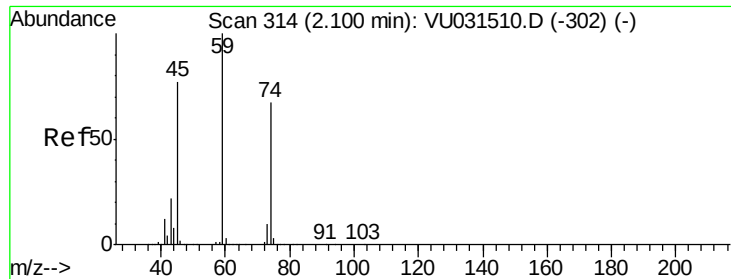
Ion Ratio Lower Upper

96 100

61 160.5 0.0 408.8

98 65.2 31.1 93.3





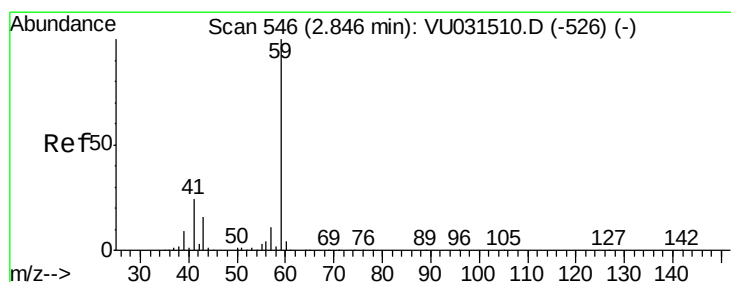
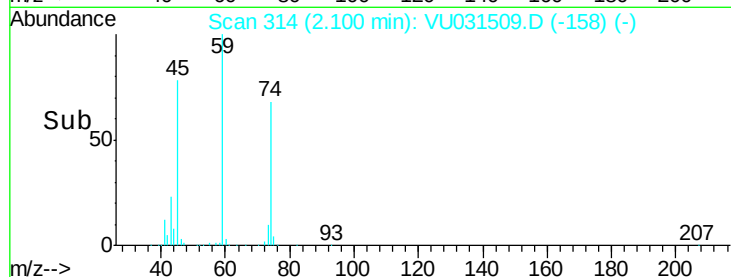
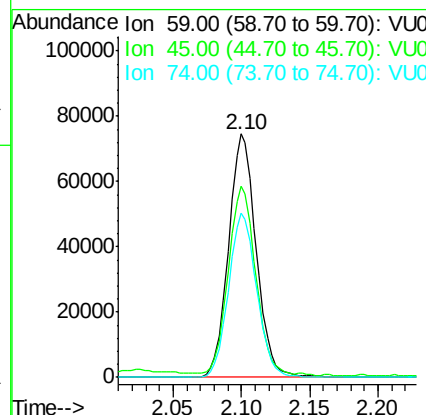
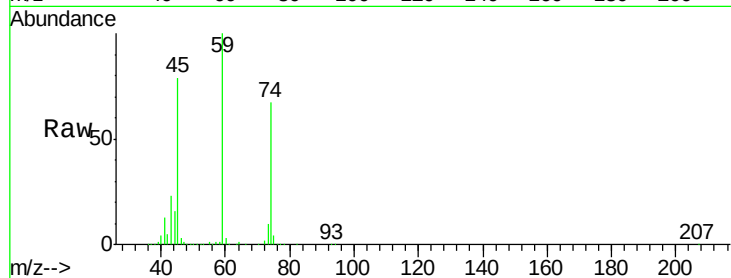
#23
Diethyl Ether
Concen: 4.703 ug/l
RT: 2.10 min Scan# 314
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.4	64.5	96.7
74	68.6	54.6	81.8

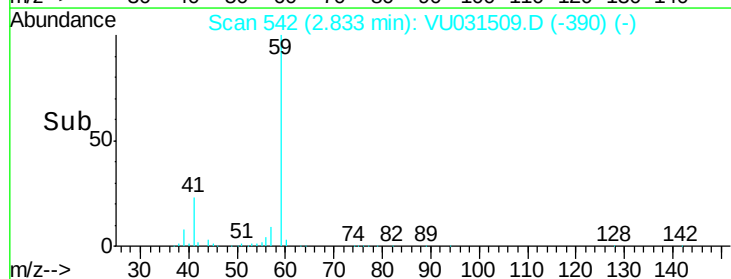
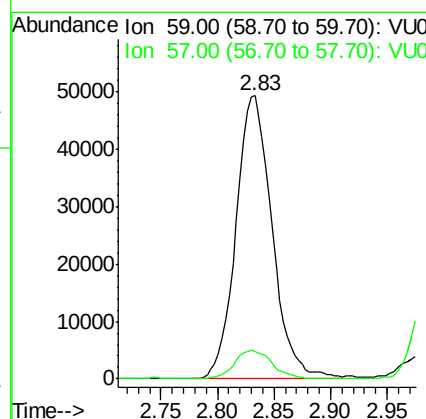
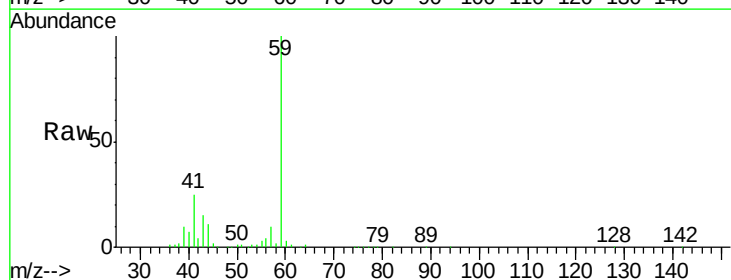
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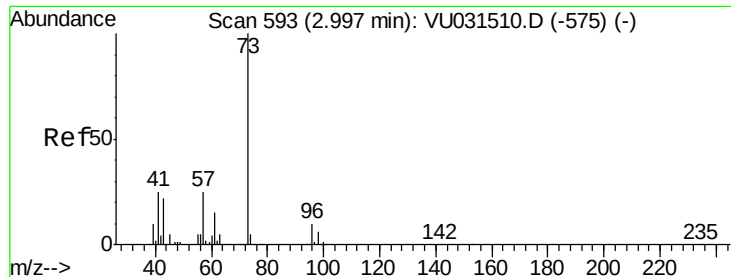
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 46.692 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.01 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2





#25

Methyl tert-Butyl Ether

Concen: 4.532 ug/l

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tot Ion: 73 Resp: 314827

Ion Ratio Lower Upper

73 100

43 21.6 16.9 25.3

Instrument :

MSVOA_U

ClientSampleId :

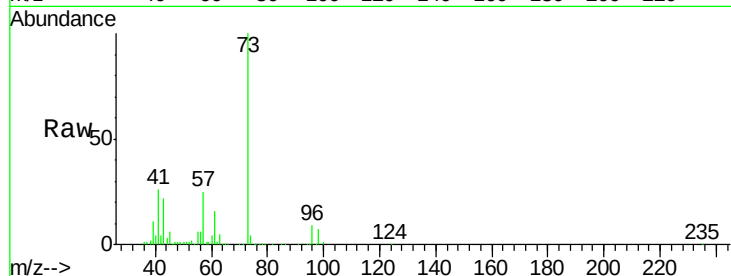
VSTDIC005

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) (-)

3.00

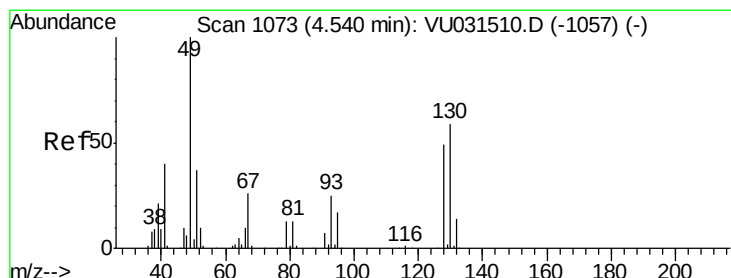
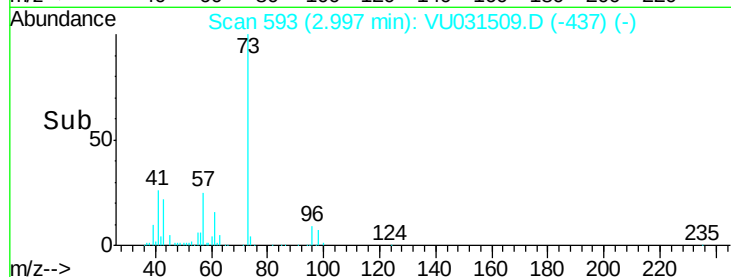
150000

100000

50000

0

Time-->



#26

Bromochloromethane

Concen: 5.241 ug/l

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

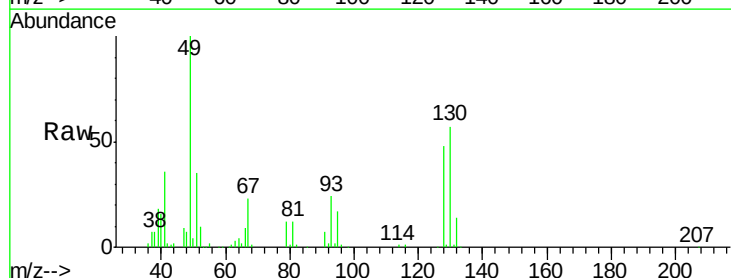
Tgt Ion: 128 Resp: 56336

Ion Ratio Lower Upper

128 100

49 200.9 0.0 407.2

130 124.1 101.4 152.2



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) (-)

4.54

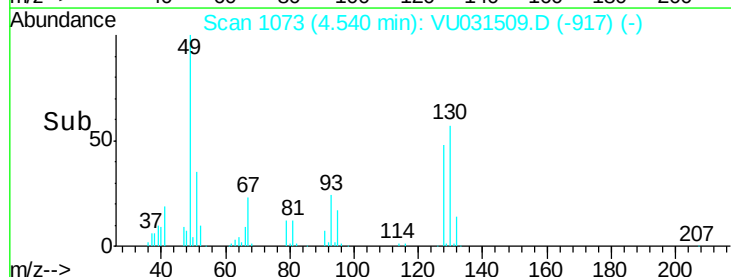
60000

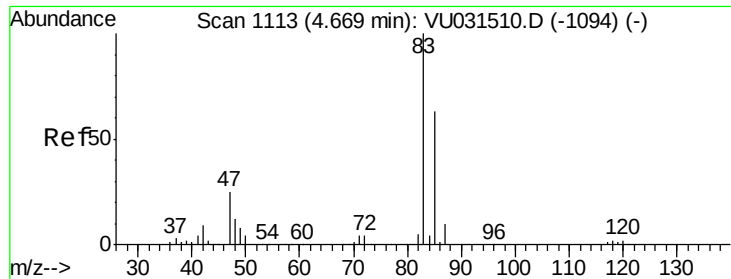
40000

20000

0

Time-->





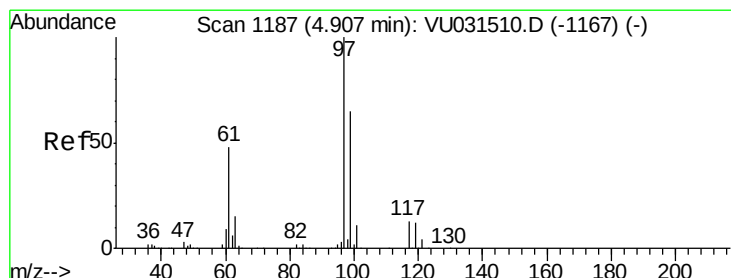
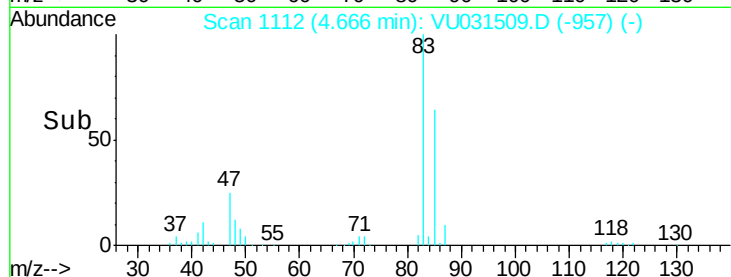
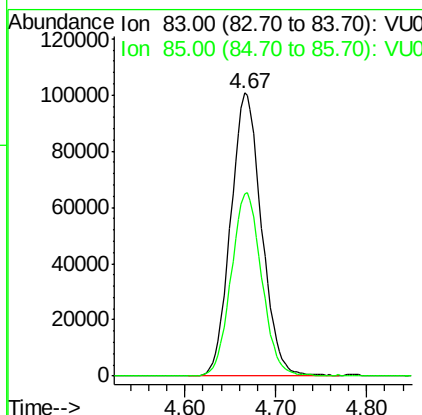
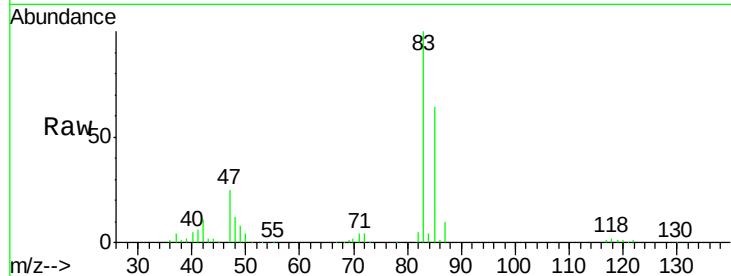
#27
Chloroform
Concen: 5.518 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	237384		
85	64.2	0.0	126.2	

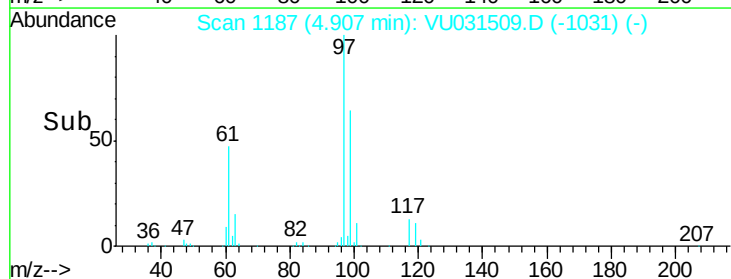
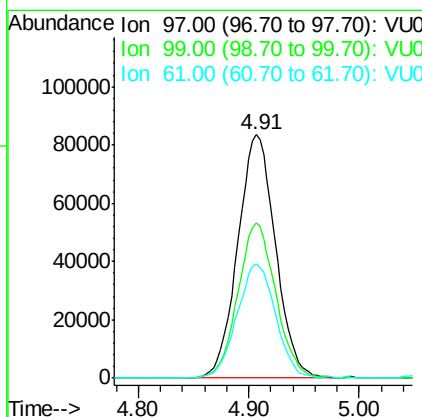
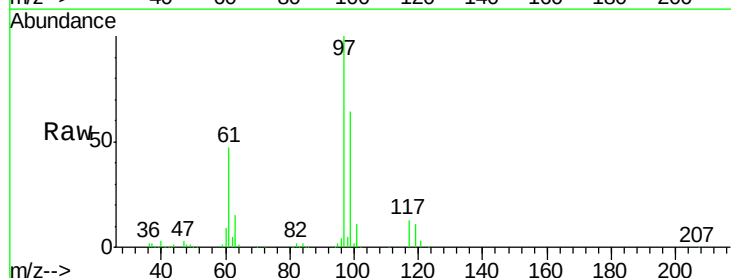
Manual Integrations
APPROVED

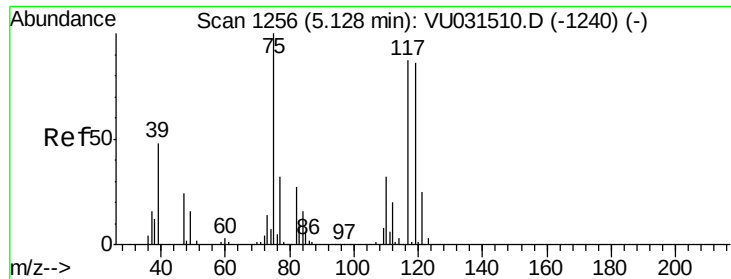
MMDadoda
4/26/2019 12:22:31 PM



#28
1,1,1-Trichloroethane
Concen: 5.425 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	197536		
99	64.1	32.0	96.2	
61	48.0	24.0	72.0	





#29

1,1-Dichloropropene

Concen: 5.484 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

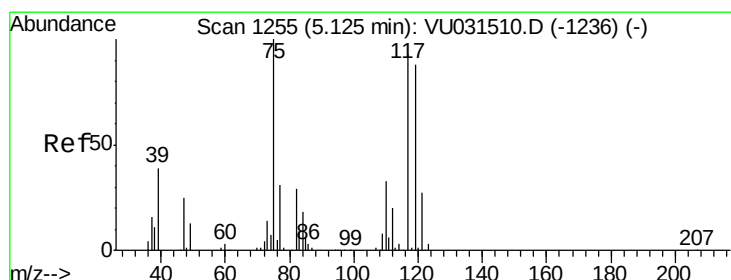
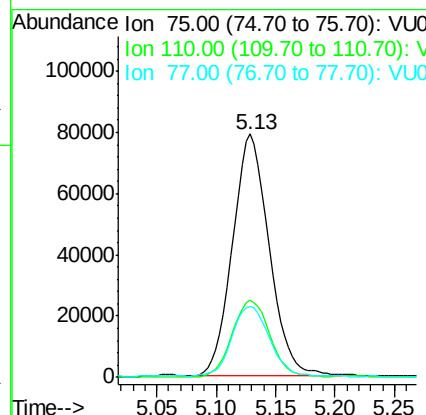
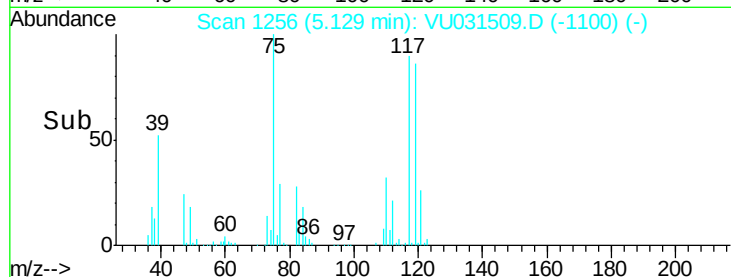
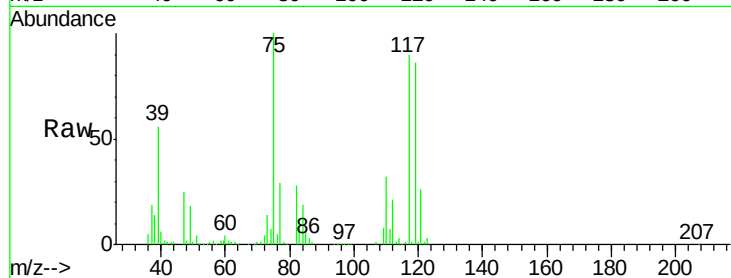
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	168183
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.1
77	29.8	25.0	37.6

Manual Integrations
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4/26/2019 12:22:31 PM



#30

Carbon Tetrachloride

Concen: 5.323 ug/l

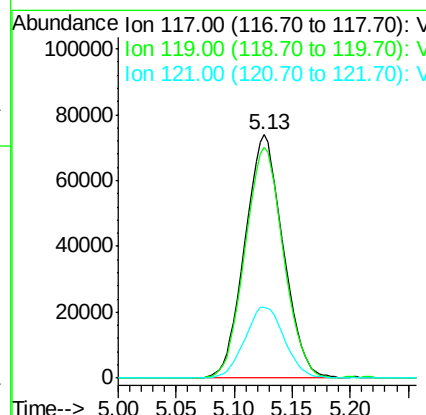
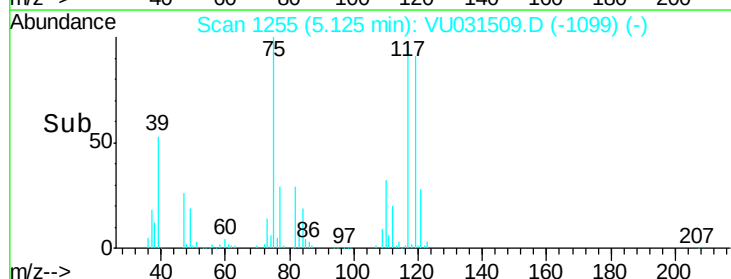
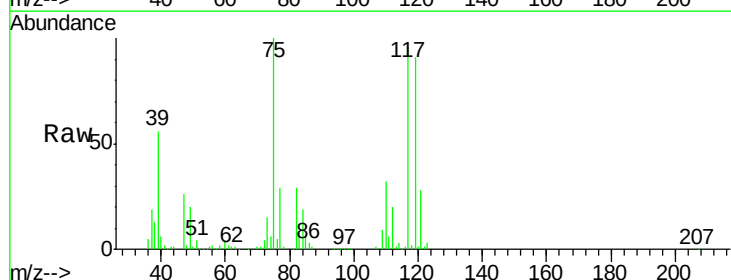
RT: 5.13 min Scan# 1255

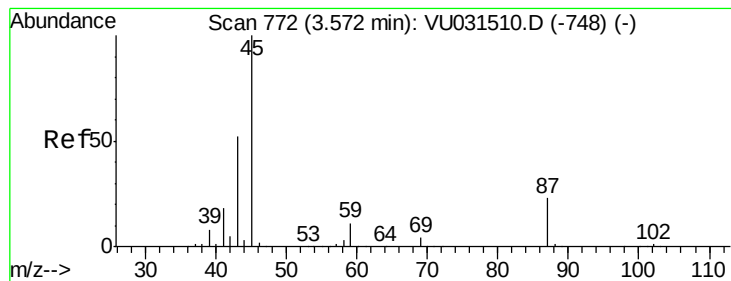
Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	117	Resp:	169963
Ion Ratio	Lower	Upper	
117	100		
119	94.8	76.1	114.1
121	28.9	23.3	34.9





#31

Isopropyl Ether

Concen: 5.947 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tot Ion: 45 Resp: 387943

Ion Ratio Lower Upper

45 100

43 53.5 26.0 78.0

Instrument :

MSVOA_U

ClientSampleId :

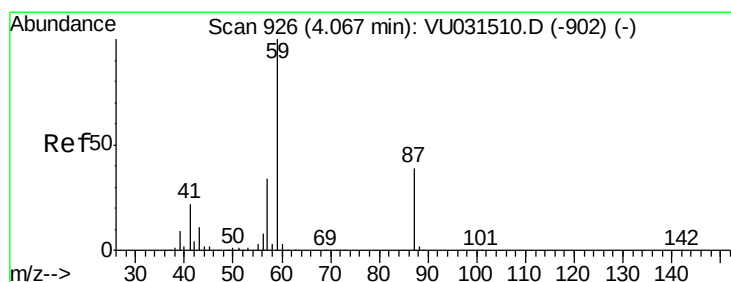
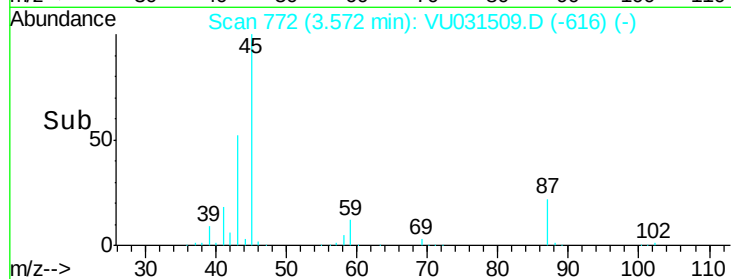
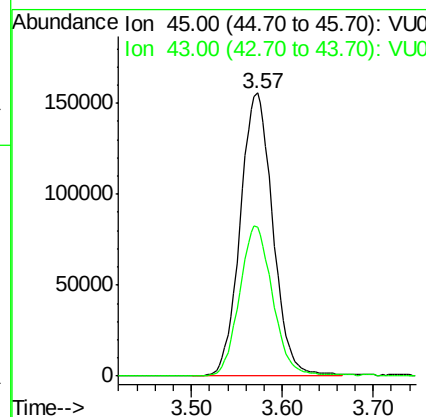
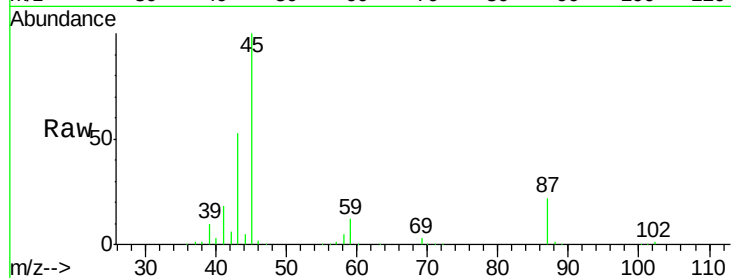
VSTDIC005

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 5.806 ug/l

RT: 4.06 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU031509.D

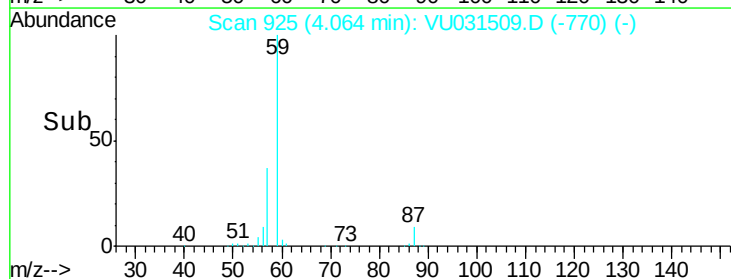
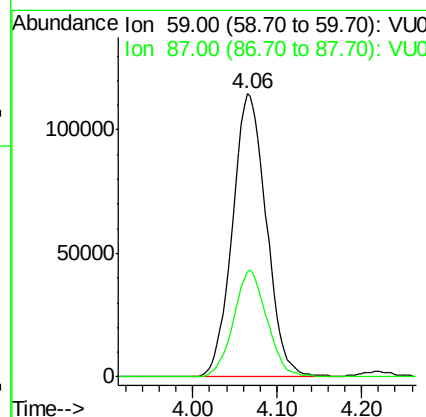
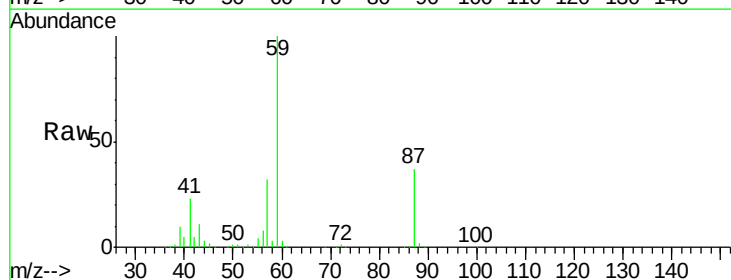
Acq: 25 Apr 2019 19:50

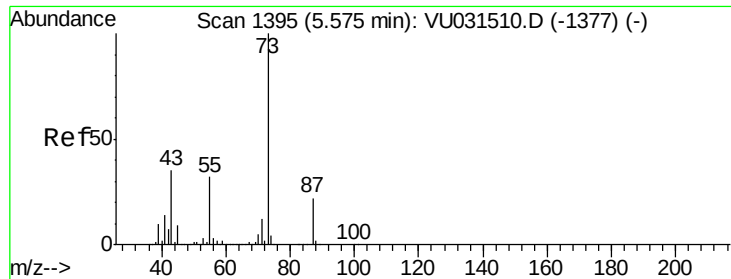
Tgt Ion: 59 Resp: 318225

Ion Ratio Lower Upper

59 100

87 37.3 29.9 44.9





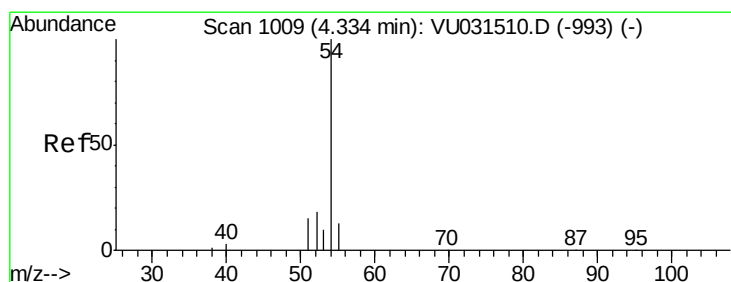
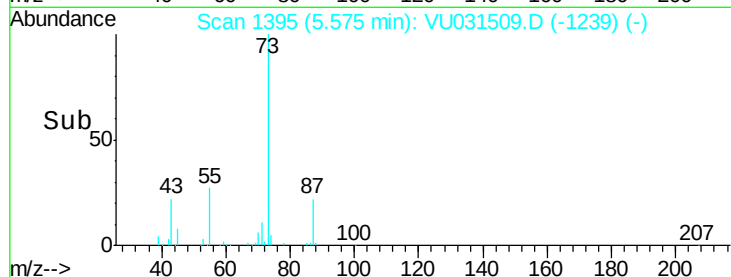
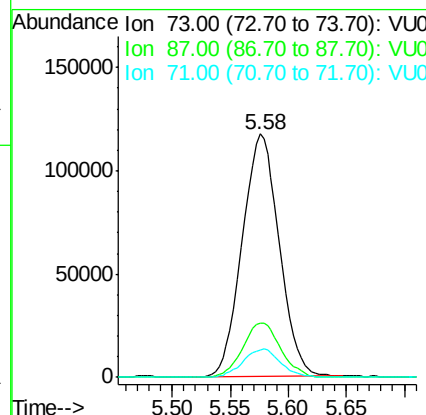
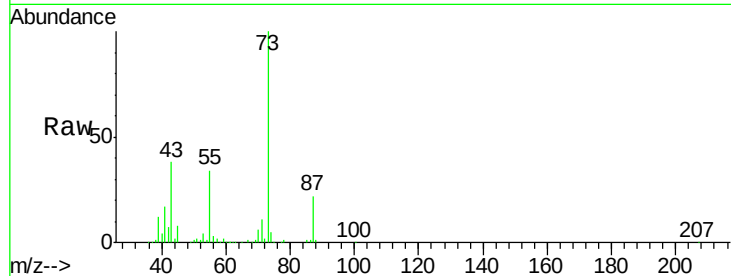
#33
Tert-Butyl methyl ether
Concen: 5.604 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.1	18.2	27.2
71	11.7	9.0	13.6

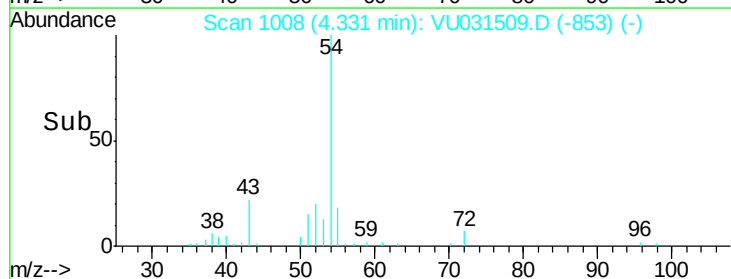
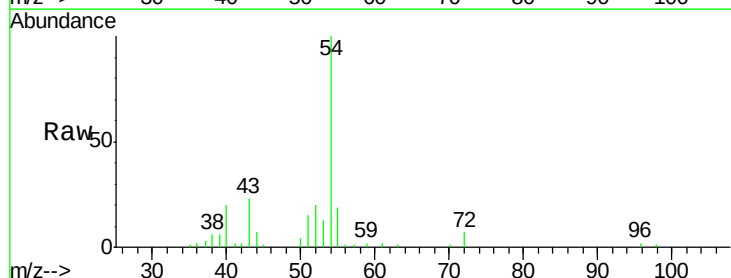
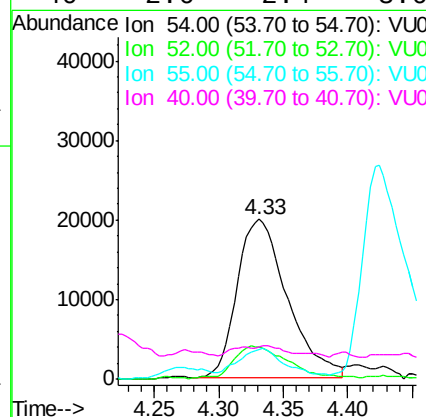
Manual Integrations
APPROVED

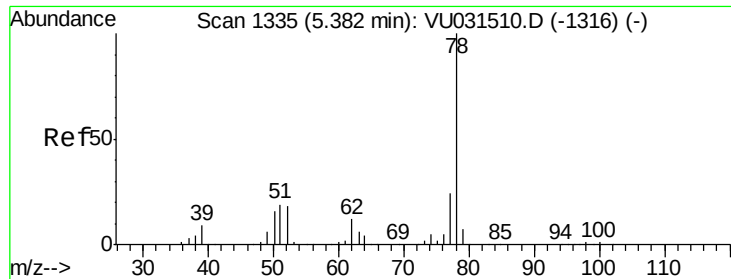
MMDadoda
4/26/2019 12:22:31 PM



#34
Propionitrile
Concen: 28.727 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
54	100		
52	23.0	15.0	22.4#
55	13.7	13.5	20.3
40	2.6	2.4	3.6





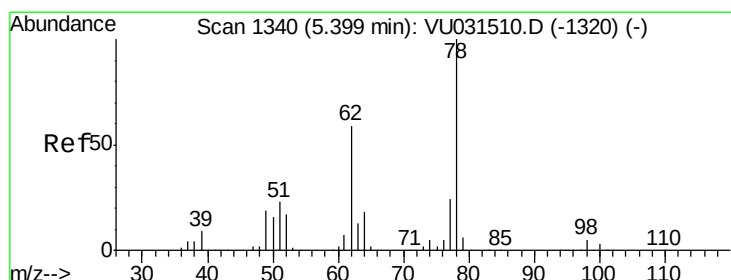
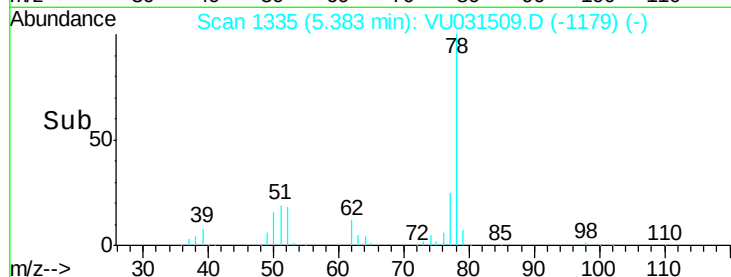
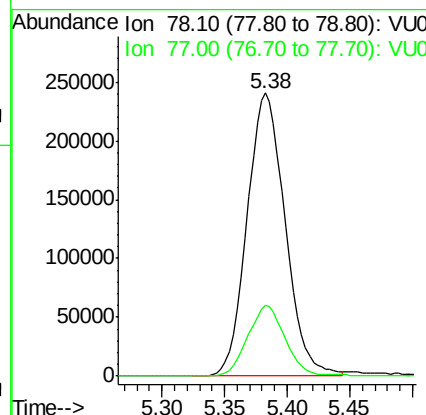
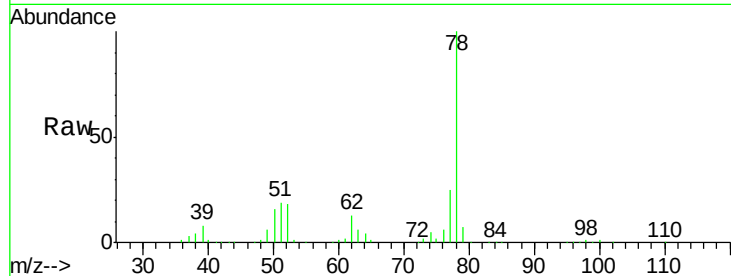
#35
Benzene
Concen: 5.632 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8

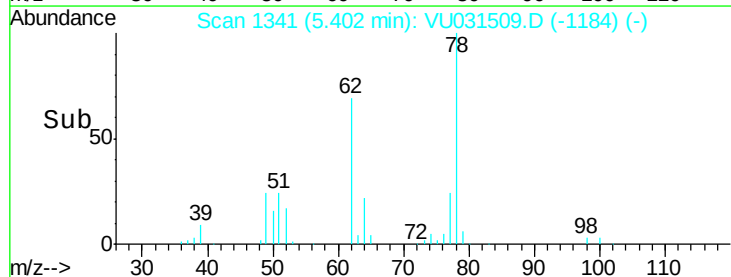
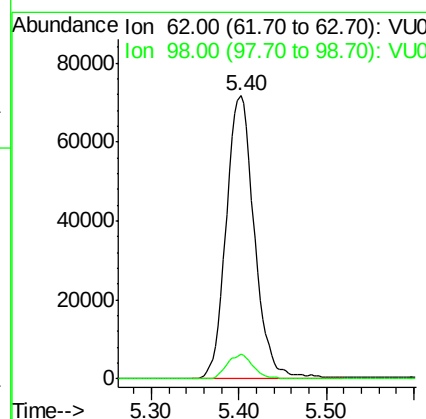
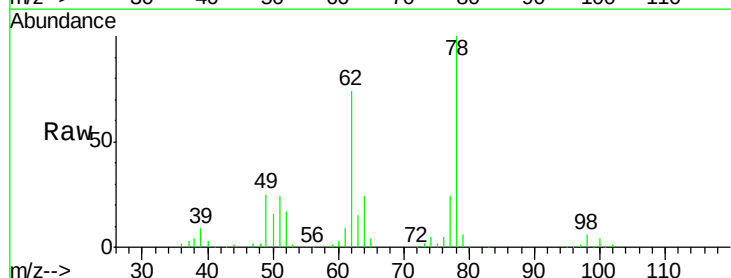
Manual Integrations
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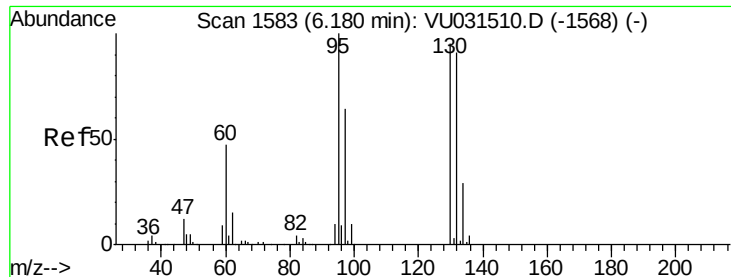
MMdadoda
4/26/2019 12:22:31 PM



#36
1,2-Dichloroethane
Concen: 5.607 ug/l
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.7	10.1





#37

Trichloroethene

Concen: 4.910 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 122561

Ion Ratio Lower Upper

130 100

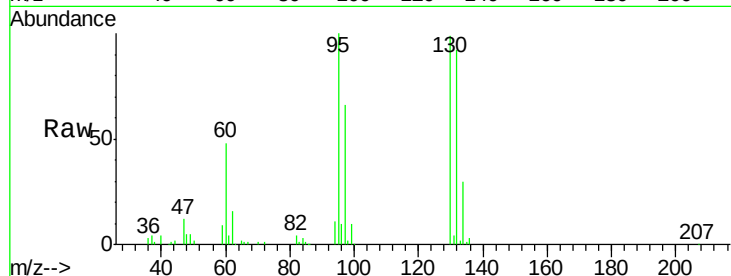
95 101.1 83.8 125.8

Manual Integrations

APPROVED

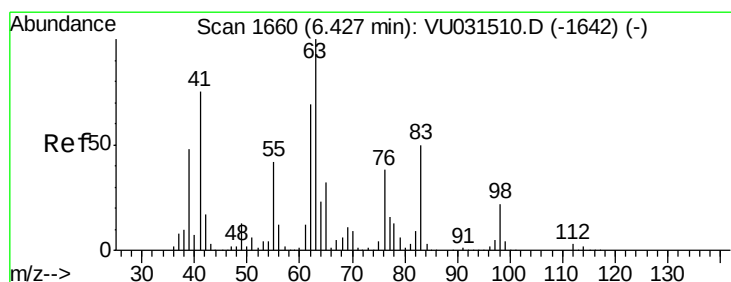
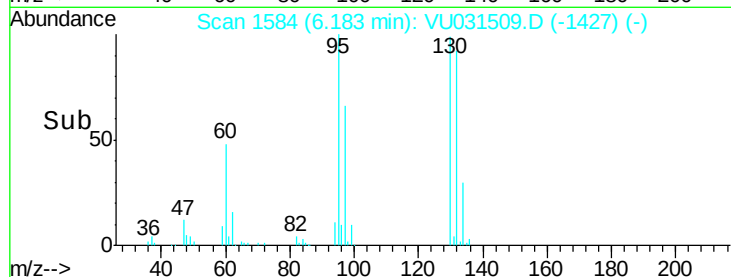
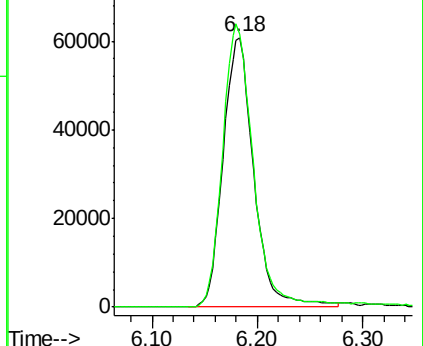
MMdadoda

4/26/2019 12:22:31 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 5.824 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031509.D

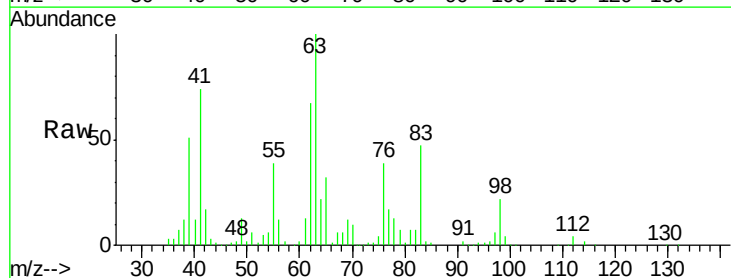
Acq: 25 Apr 2019 19:50

Tgt Ion: 63 Resp: 141098

Ion Ratio Lower Upper

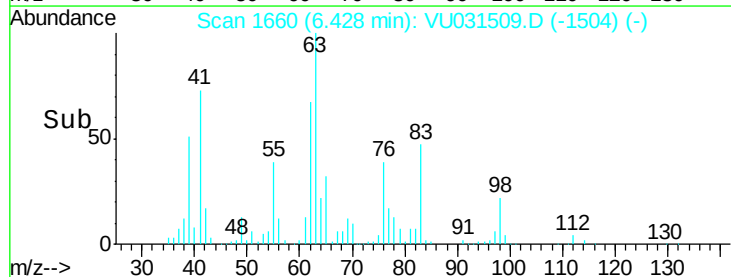
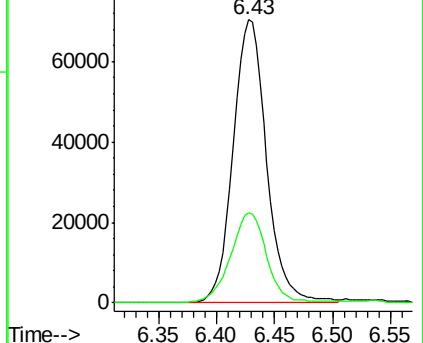
63 100

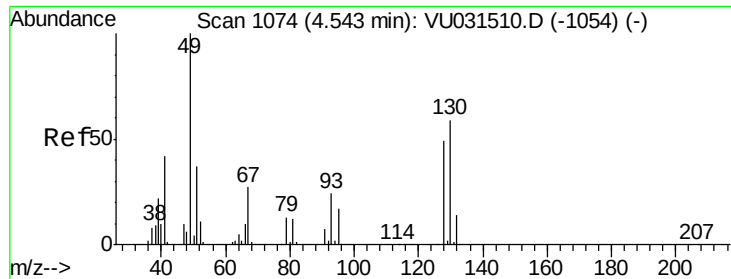
65 31.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





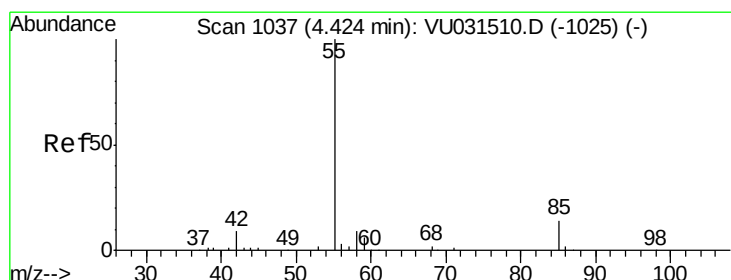
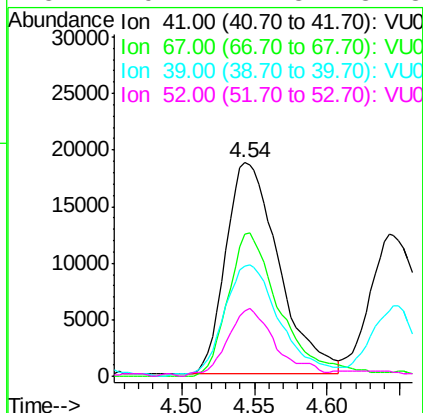
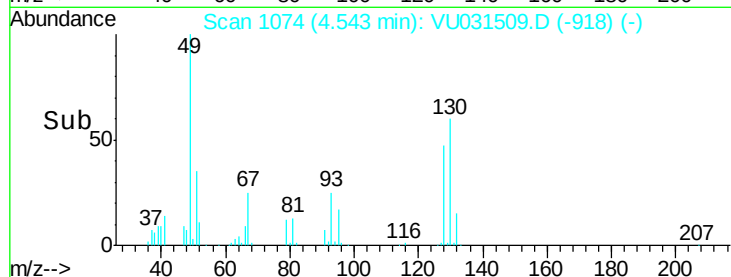
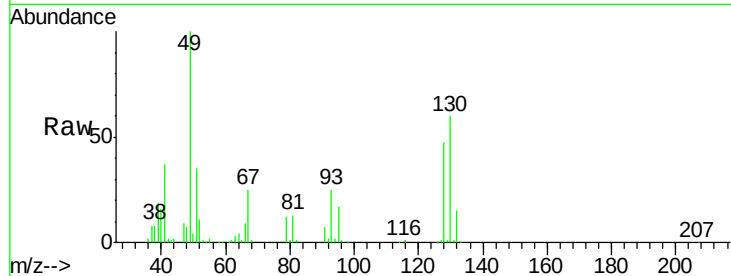
#39
Methacrylonitrile
Concen: 5.653 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	47768
Ion	Ratio	Lower	Upper
41	100		
67	66.5	54.2	81.4
39	55.7	43.8	65.8
52	29.1	21.8	32.8

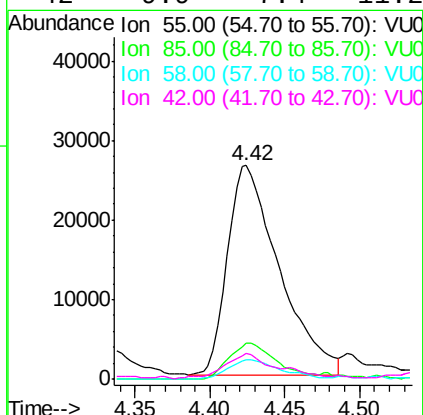
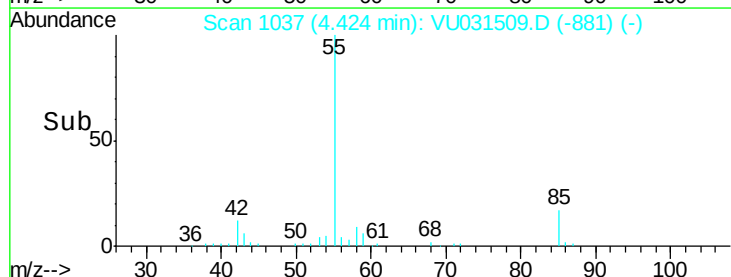
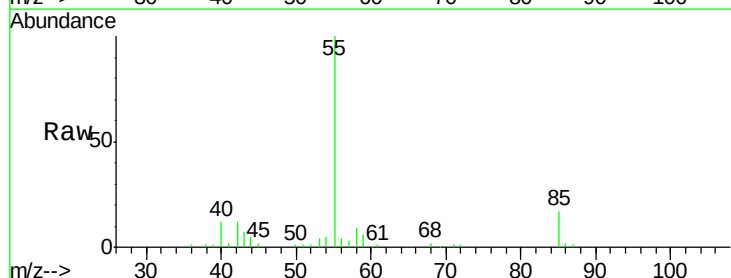
Manual Integrations
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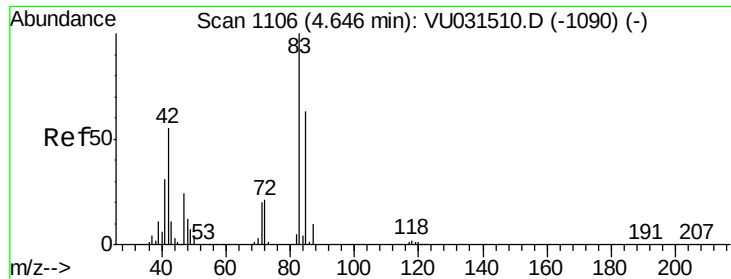
MMdadoda
4/26/2019 12:22:31 PM



#40
Methyl acrylate
Concen: 5.813 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	55	Resp	63380
Ion	Ratio	Lower	Upper
55	100		
85	15.7	11.5	17.3
58	9.1	6.5	9.7
42	9.9	7.4	11.2





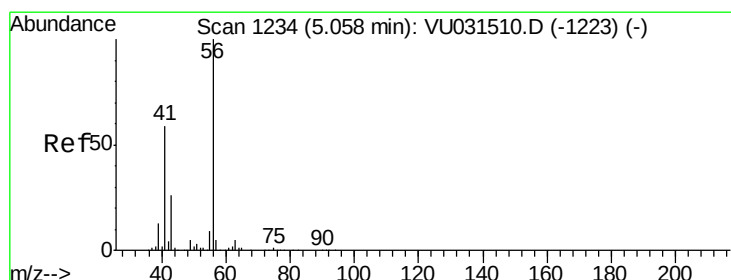
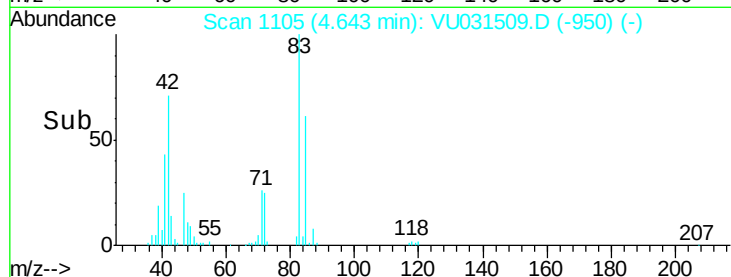
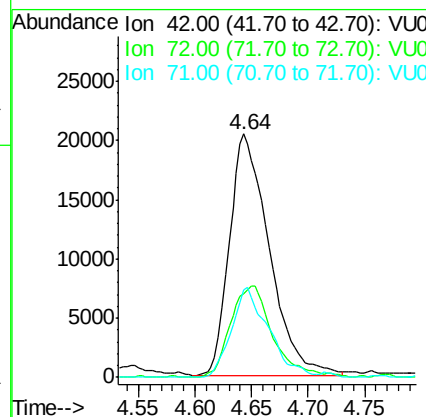
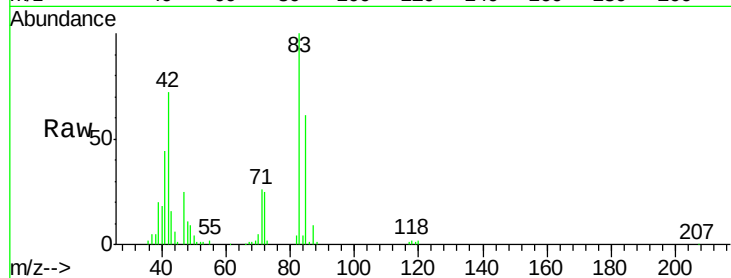
#41
Tetrahydrofuran
Concen: 11.541 ug/l
RT: 4.64 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.1	48.1
71	34.9	29.2	43.8

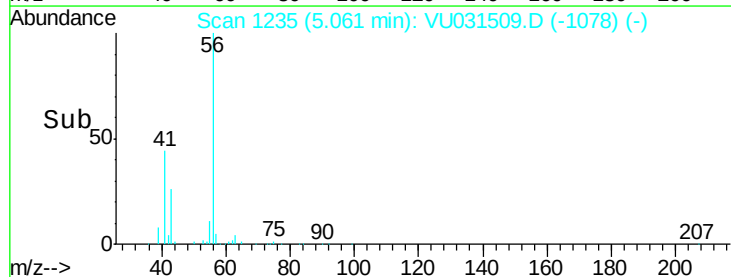
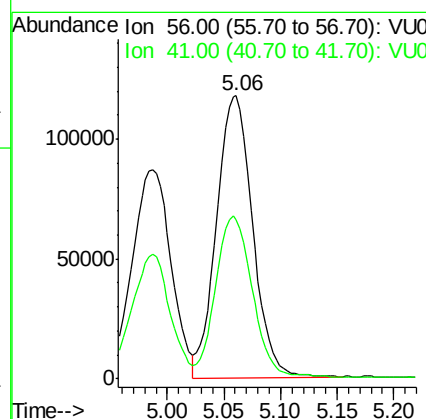
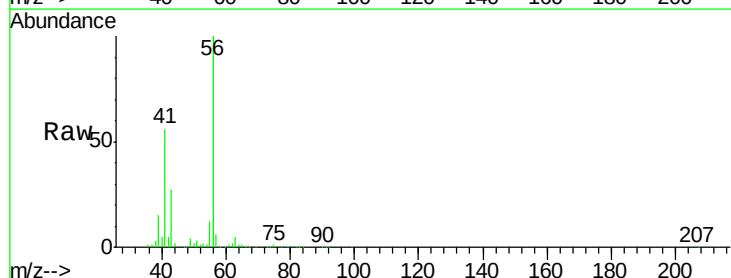
Manual Integrations
APPROVED

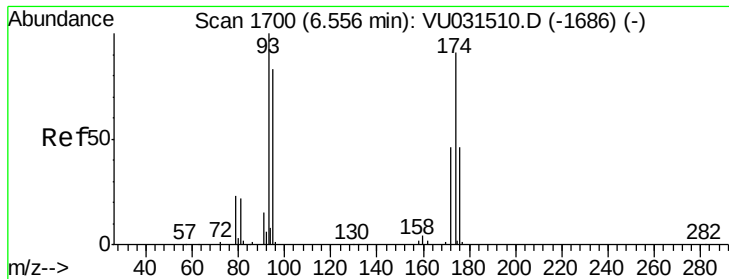
MMdadoda
4/26/2019 12:22:31 PM



#42
1-Chlorobutane
Concen: 5.931 ug/l
RT: 5.06 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.4	29.3	88.0





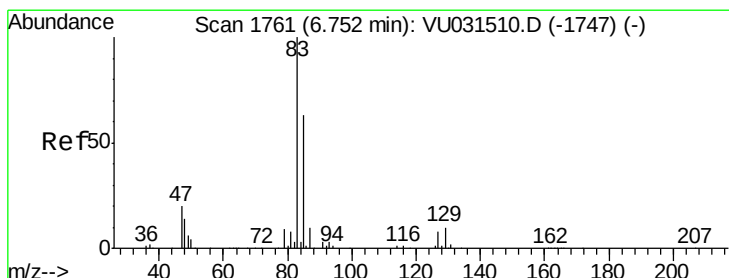
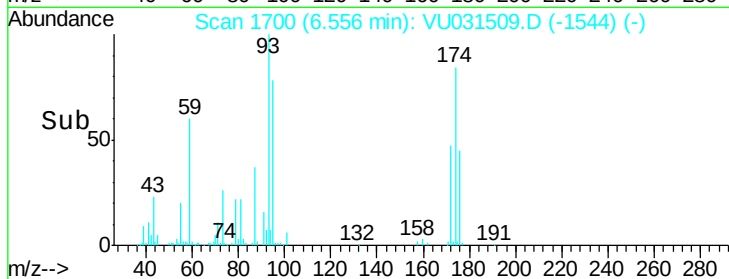
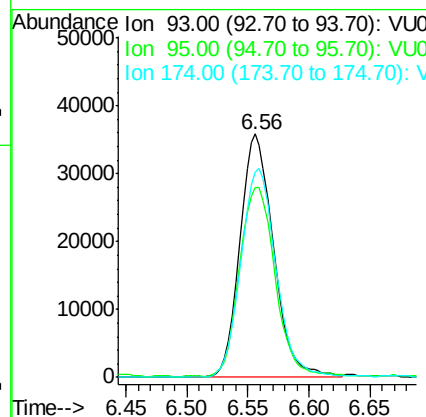
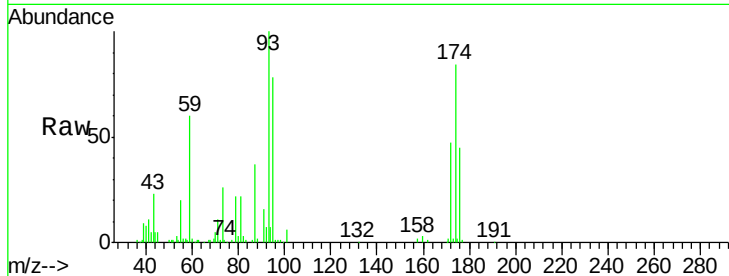
#43
Dibromomethane
Concen: 5.333 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
93	100			
95	82.4	65.7	98.5	
174	89.4	71.8	107.8	

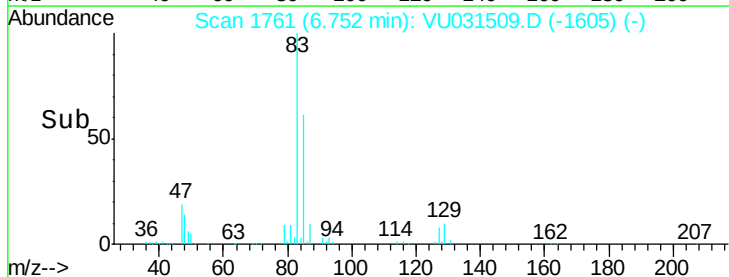
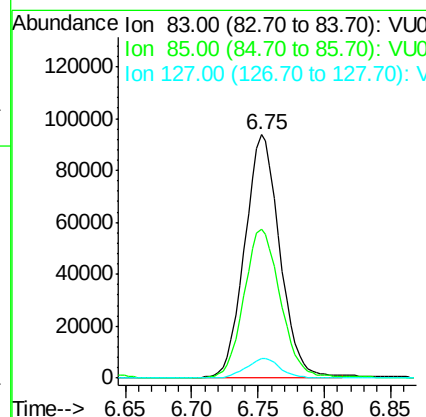
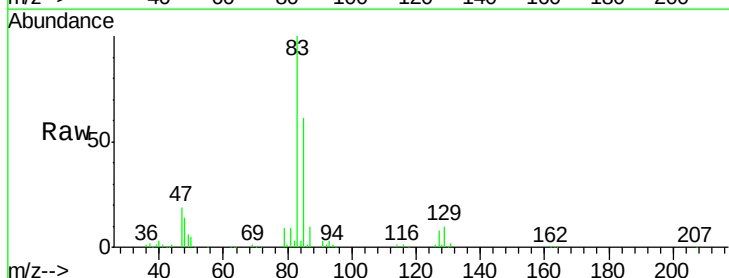
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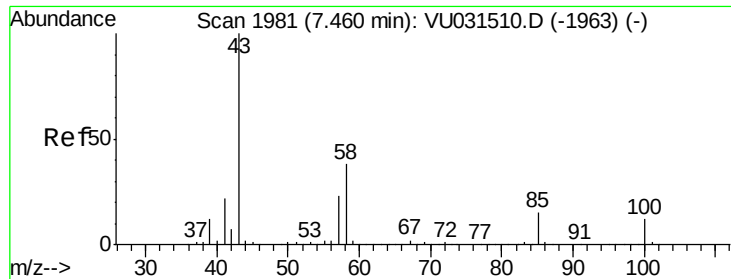
MMdadoda
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#44
Bromodichloromethane
Concen: 5.567 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	61.2	50.3	75.5	
127	8.0	6.6	9.8	





#45

4-Methyl-2-Pentanone

Concen: 28.477 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

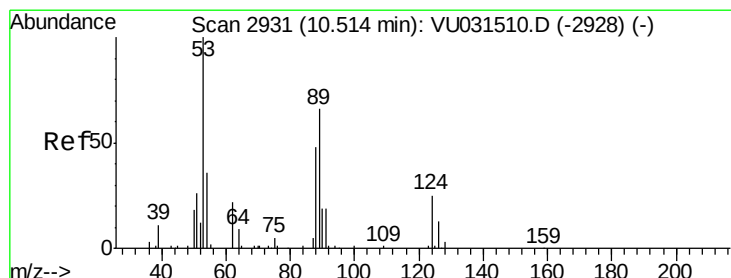
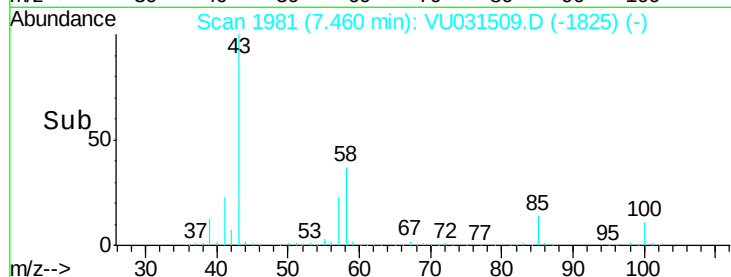
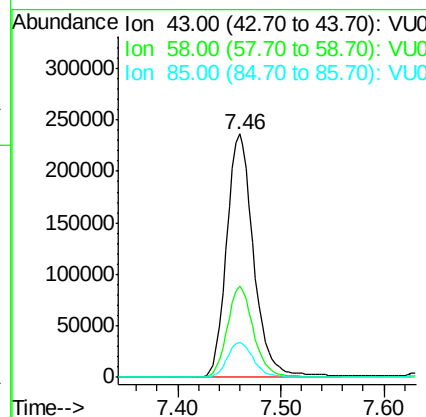
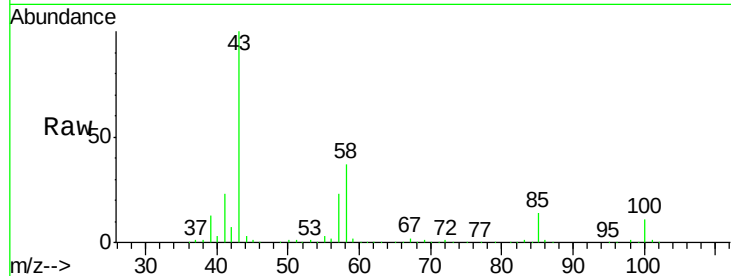
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	431932
Ion	Ratio	Lower	Upper
43	100		
58	36.3	18.7	56.1
85	14.0	12.1	18.1

Manual Integrations
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#46

t-1,4-Dichloro-2-butene

Concen: 9.586 ug/l m

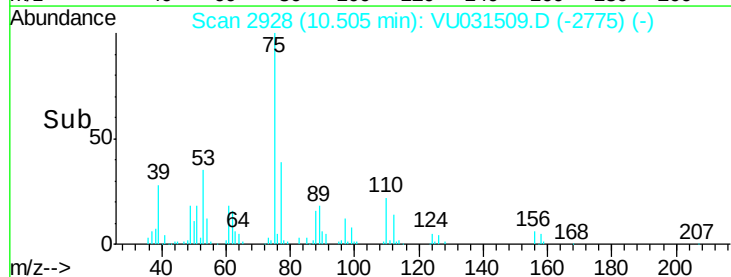
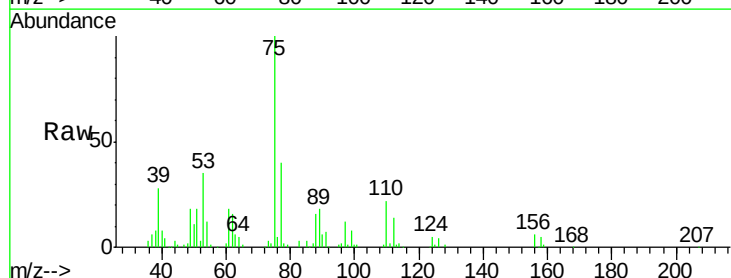
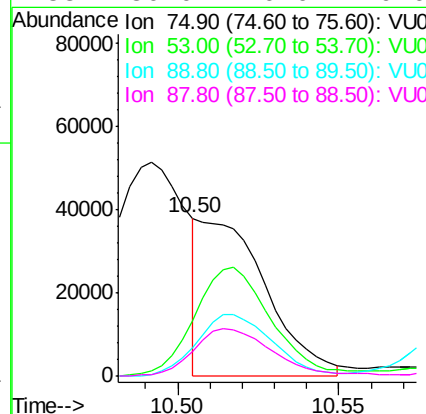
RT: 10.50 min Scan# 2928

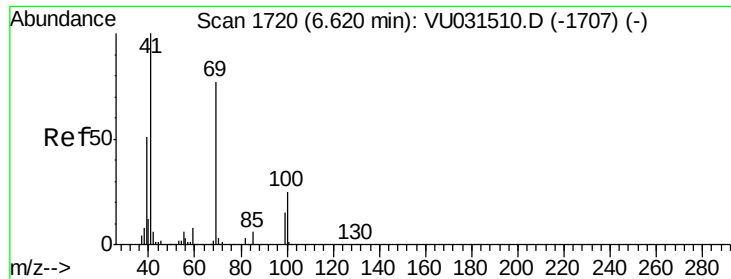
Delta R.T. -0.01 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tgt Ion:	75	Resp:	54022
Ion	Ratio	Lower	Upper
75	100		
53	80.1	63.8	95.8
89	44.7	38.6	57.8
88	36.0	0.0	0.0#





#47

Methvl methacrylate

Concen: 10.793 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

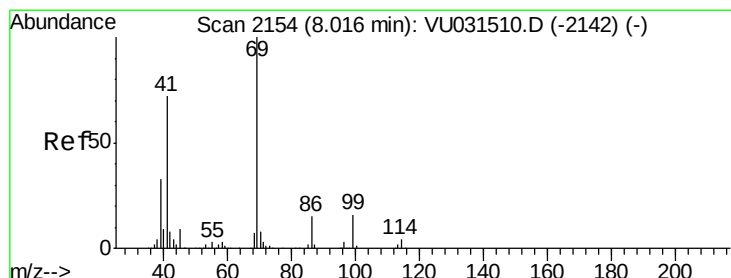
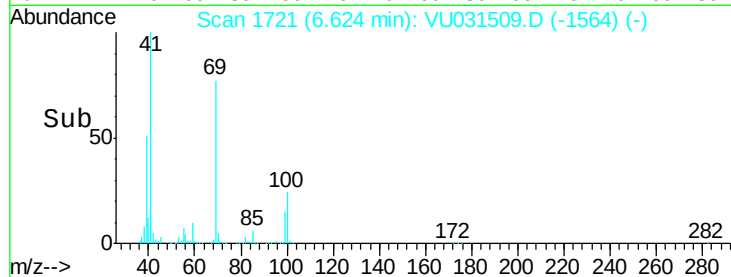
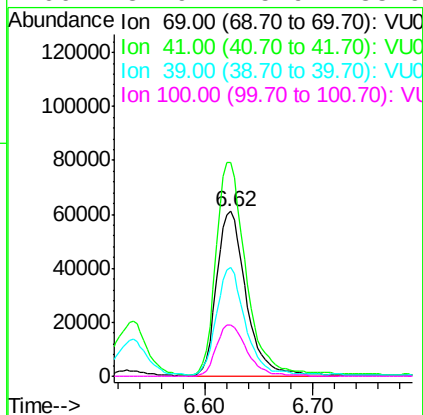
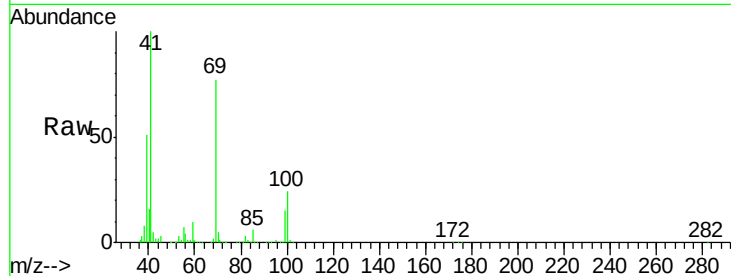
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	129.6	0.0	256.4	
39	62.7	52.2	78.4	
100	32.9	25.9	38.9	

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#48

Ethyl methacrylate

Concen: 5.253 ug/l

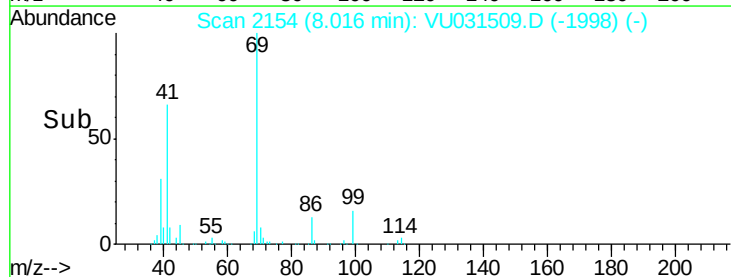
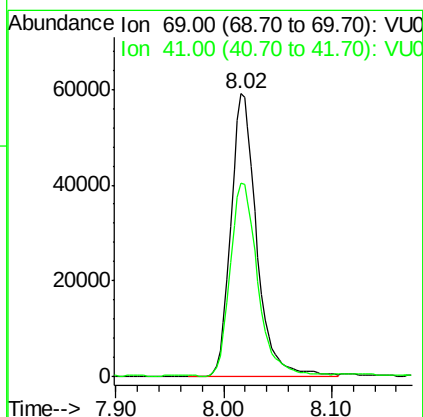
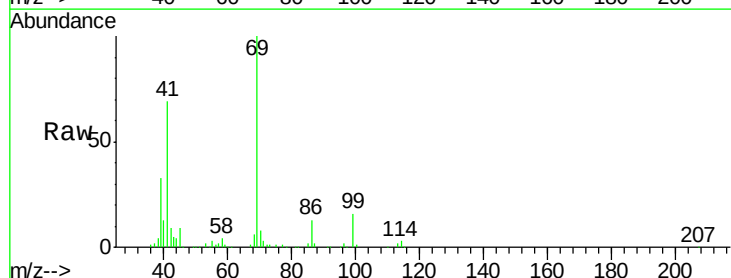
RT: 8.02 min Scan# 2154

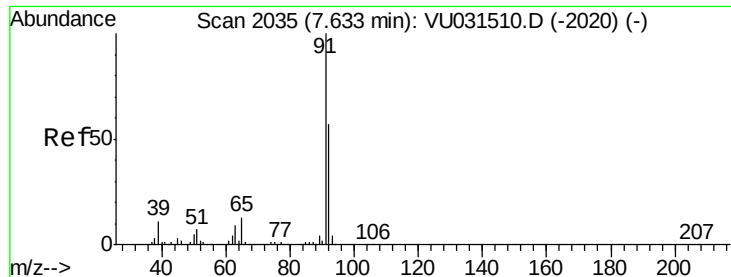
Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.2	35.5	106.5	





#49

Toluene

Concen: 5.531 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 272527

Ion Ratio Lower Upper

92 100

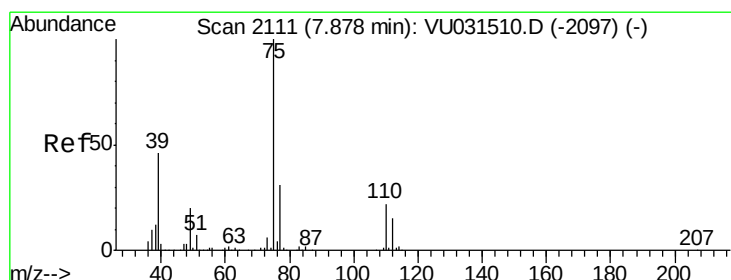
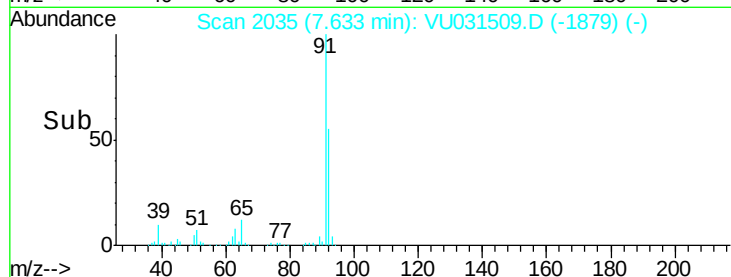
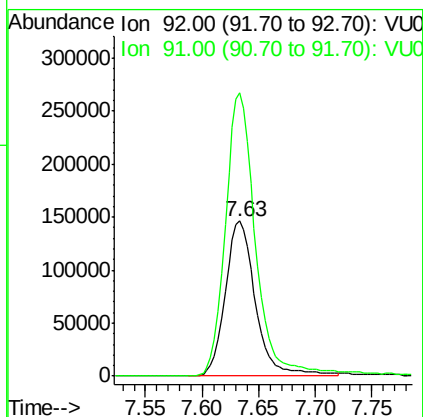
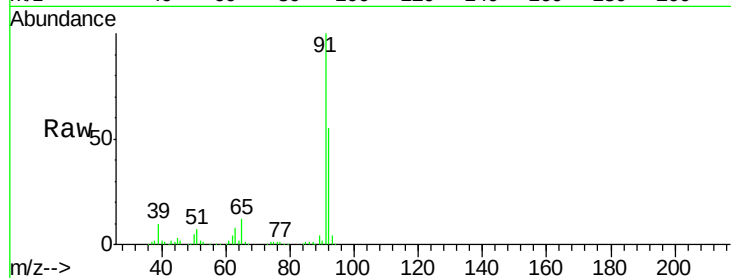
91 183.9 142.0 213.0

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#50

t-1,3-Dichloropropene

Concen: 5.340 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031509.D

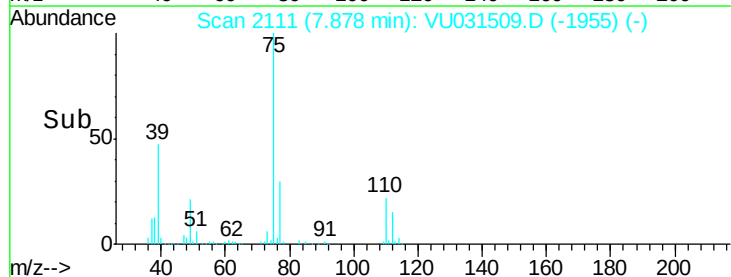
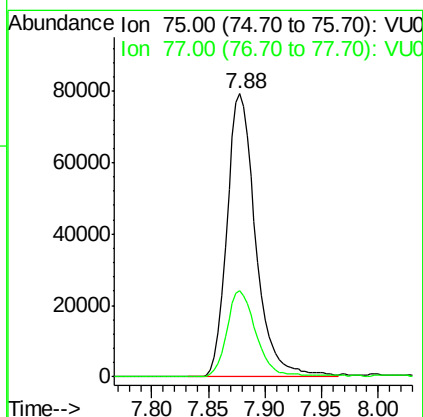
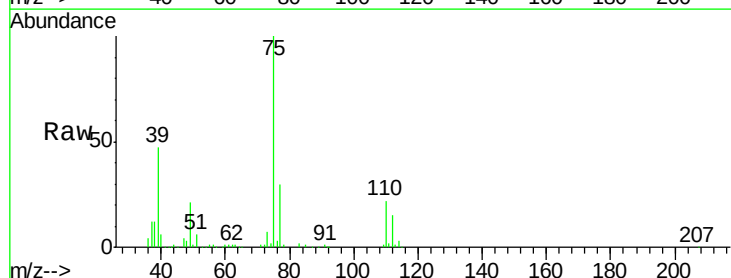
Acq: 25 Apr 2019 19:50

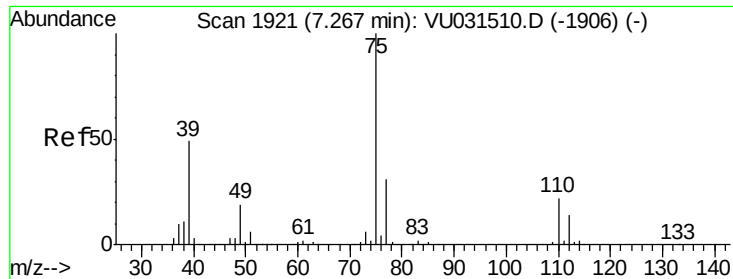
Tgt Ion: 75 Resp: 140077

Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.4





#51

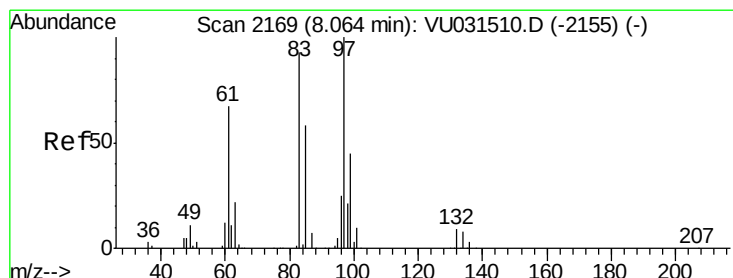
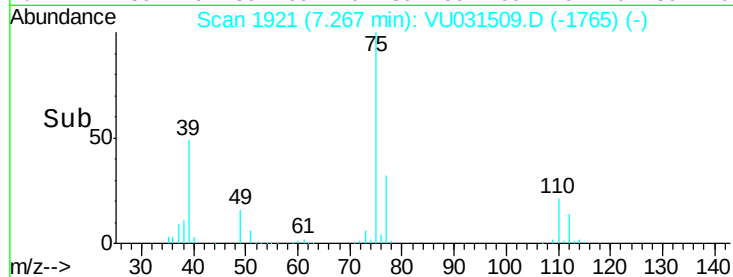
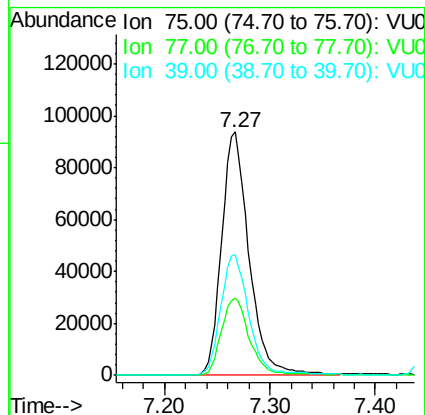
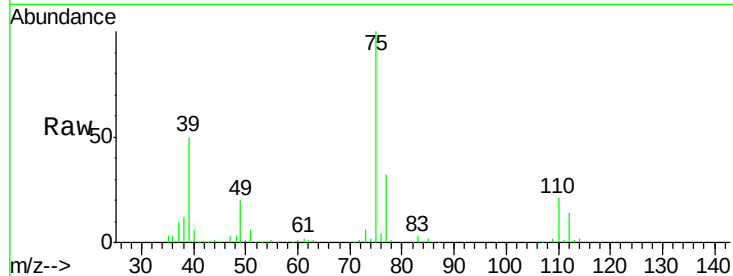
cis-1,3-Dichloropropene
Concen: 5.423 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	49.4	39.0	58.6

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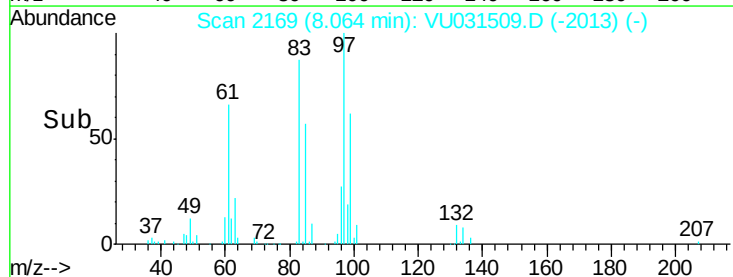
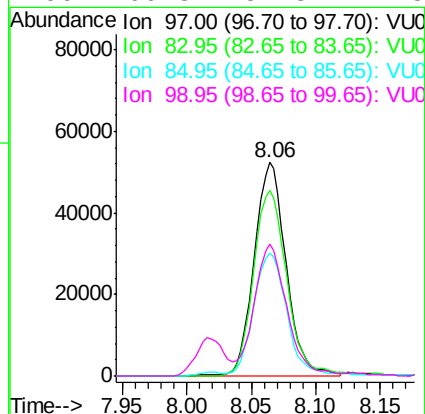
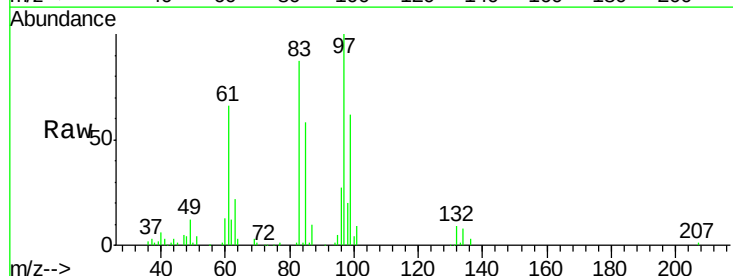
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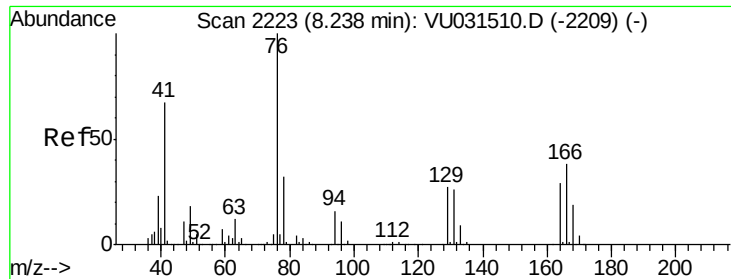


#52

1,1,2-Trichloroethane
Concen: 5.253 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.9	74.8	112.2
85	57.2	48.3	72.5
99	60.8	51.8	77.8





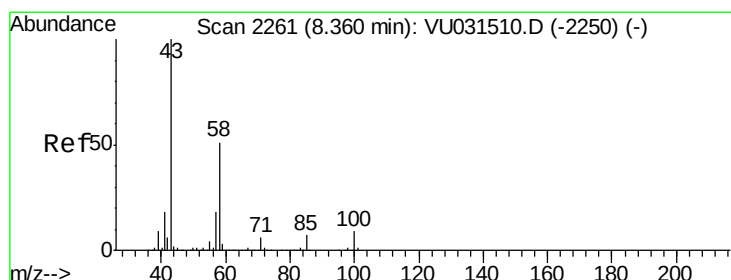
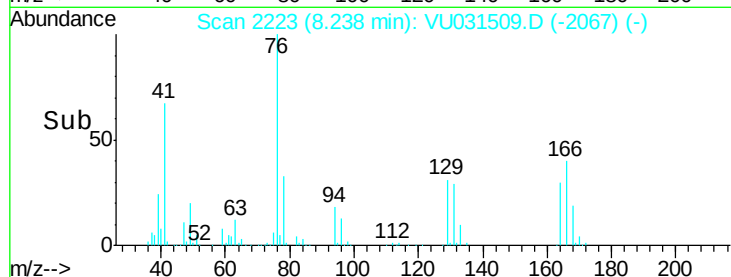
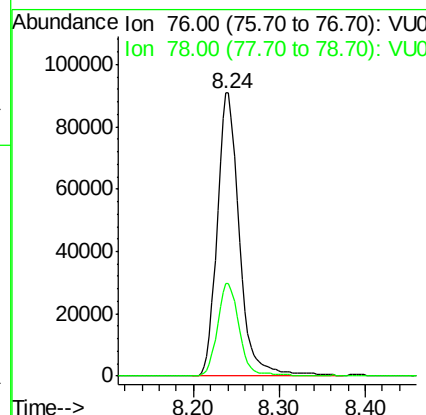
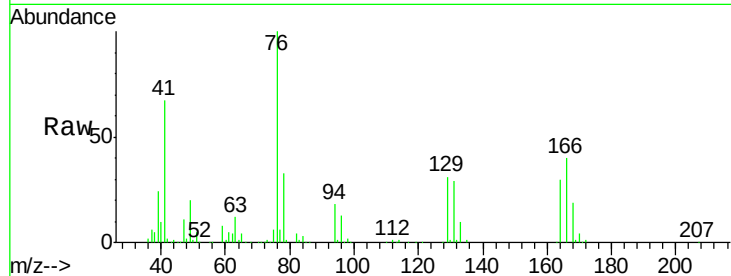
#53
 1,3-Dichloropropane
 Concen: 5.586 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 164304
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

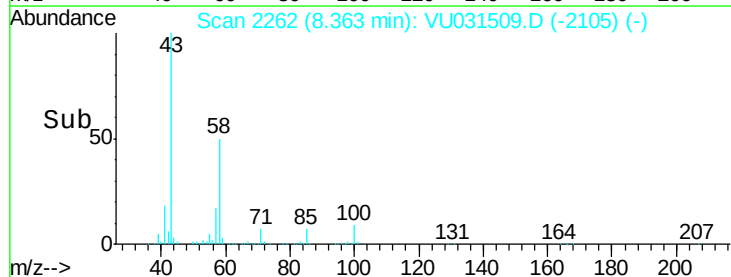
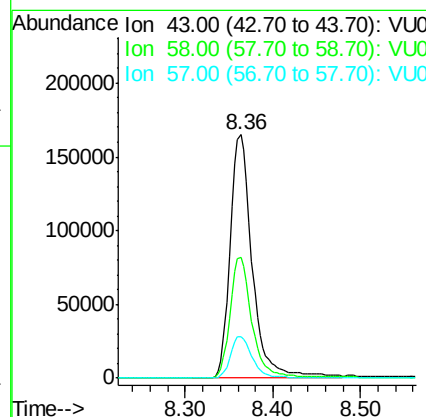
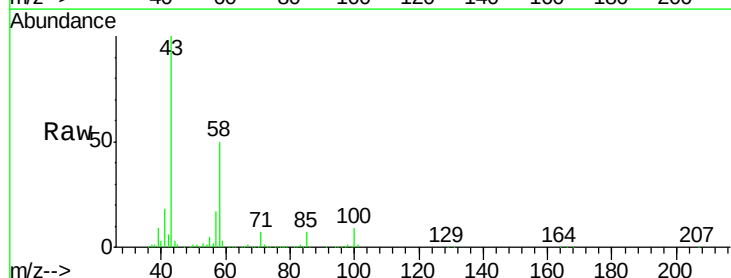
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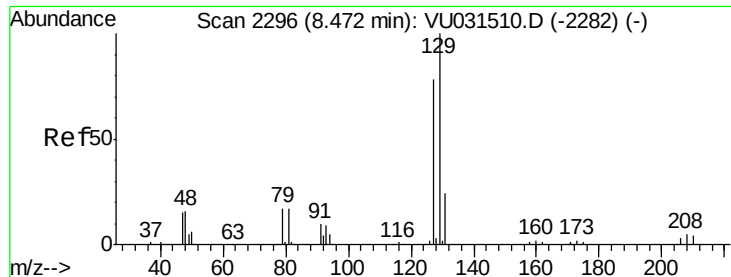
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#54
 2-Hexanone
 Concen: 28.437 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion: 43 Resp: 291787
 Ion Ratio Lower Upper
 43 100
 58 48.3 30.3 70.3
 57 16.8 0.0 37.8





#55

Dibromochloromethane

Concen: 5.058 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 102769

Ion Ratio Lower Upper

129 100

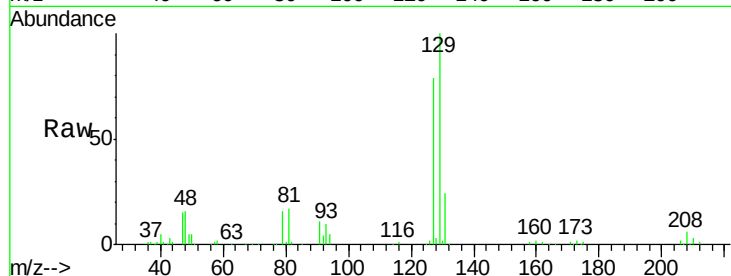
127 76.6 62.6 94.0

Manual Integrations

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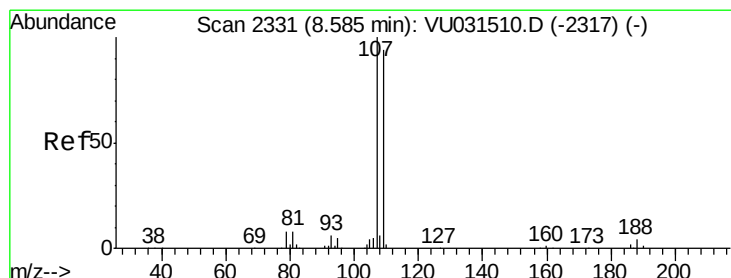
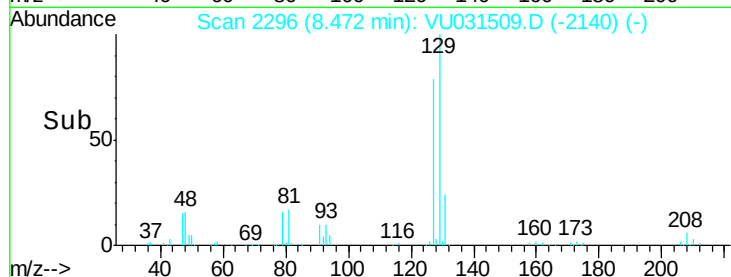
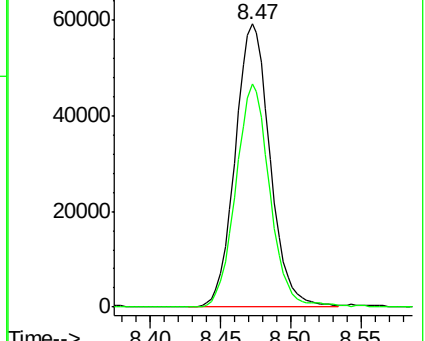
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 5.230 ug/l

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU031509.D

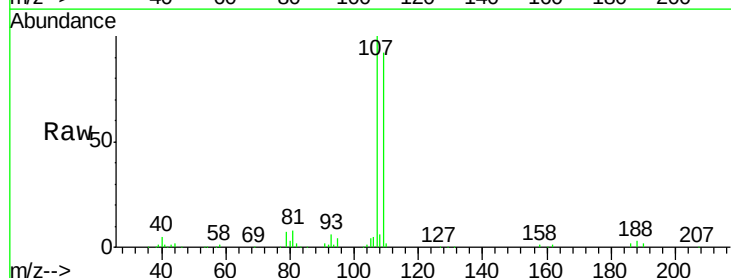
Acq: 25 Apr 2019 19:50

Tgt Ion:107 Resp: 83483

Ion Ratio Lower Upper

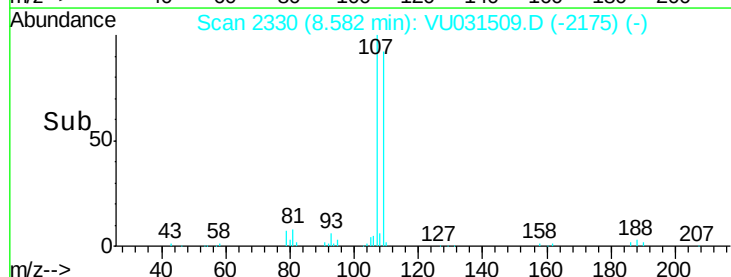
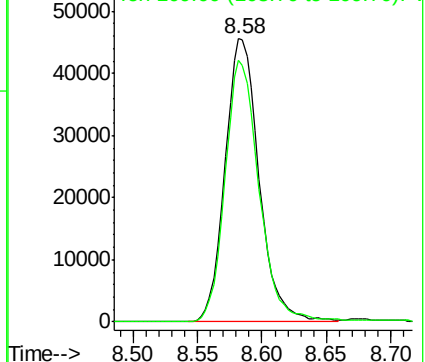
107 100

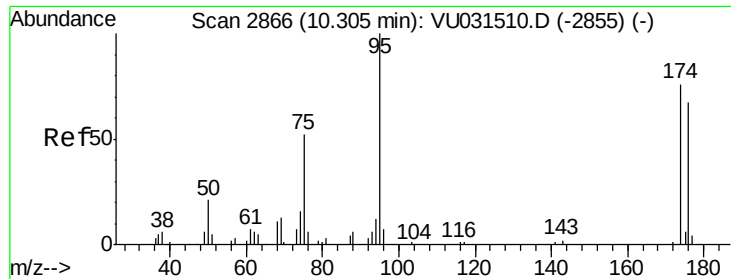
109 92.5 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





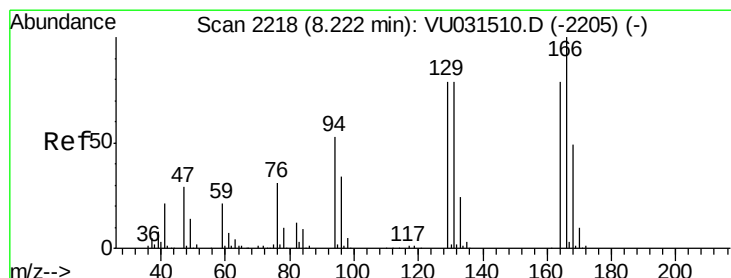
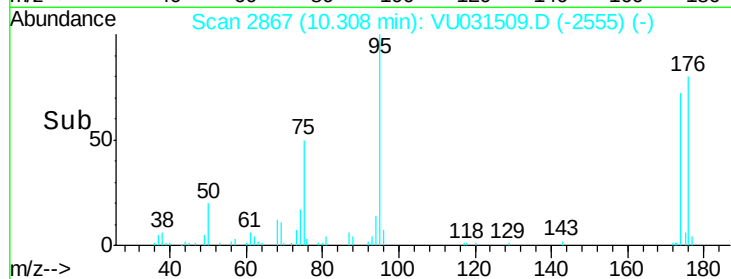
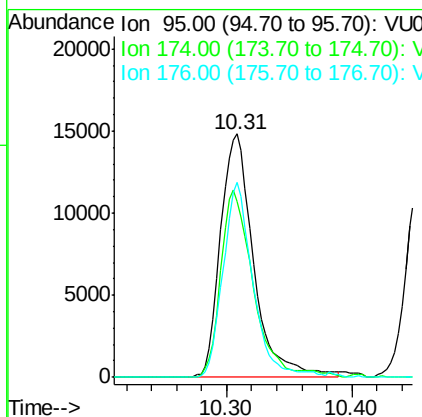
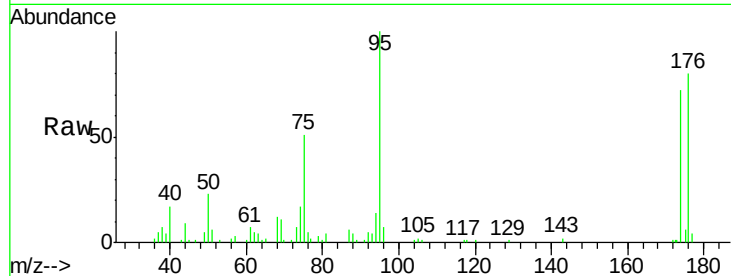
#57
4-Bromofluorobenzene
Concen: 0.999 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.8	57.9	86.9
176	72.2	54.0	81.0

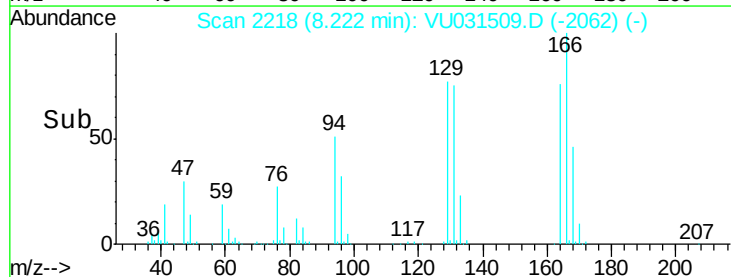
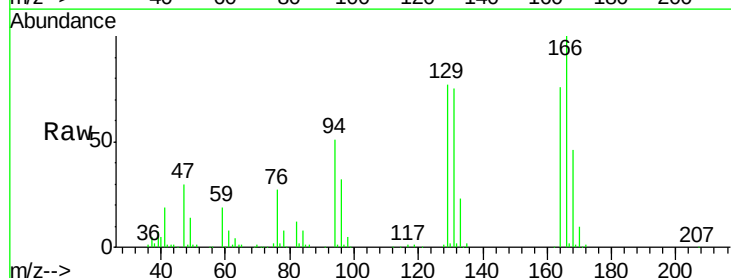
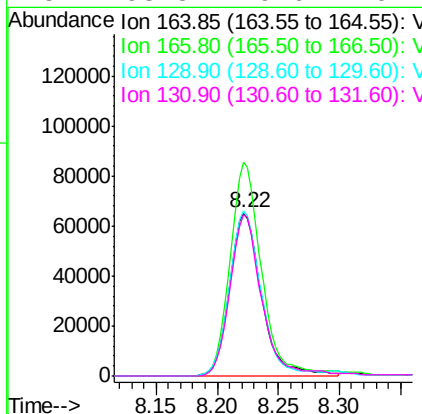
Manual Integrations
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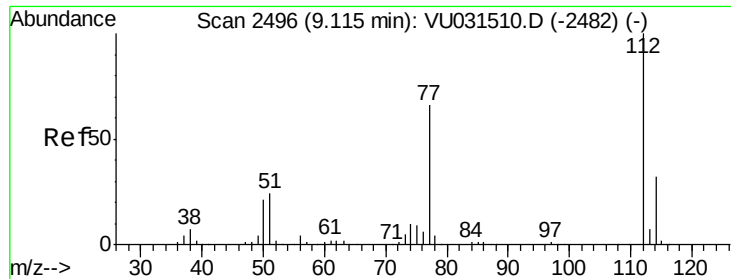
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4/26/2019 12:22:31 PM



#58
Tetrachloroethene
Concen: 5.623 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.2	151.8
129	101.3	80.2	120.4
131	98.8	79.6	119.4





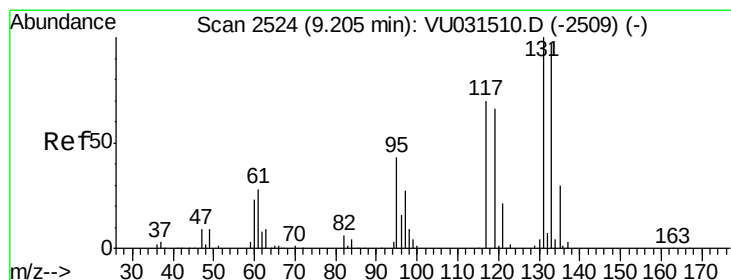
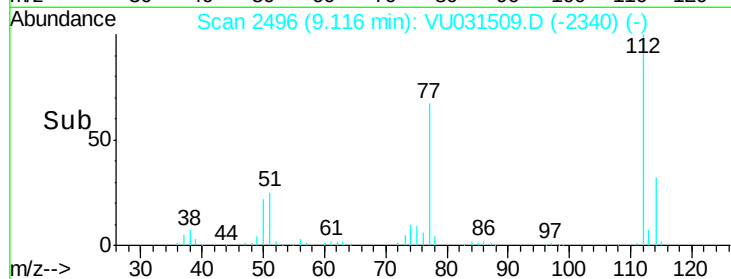
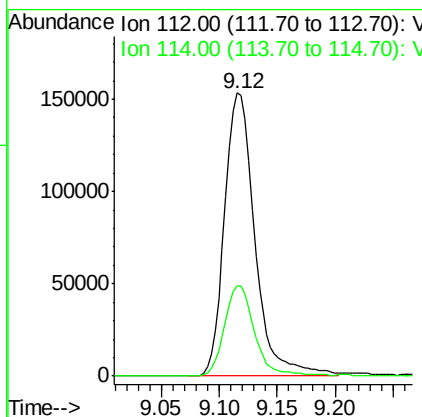
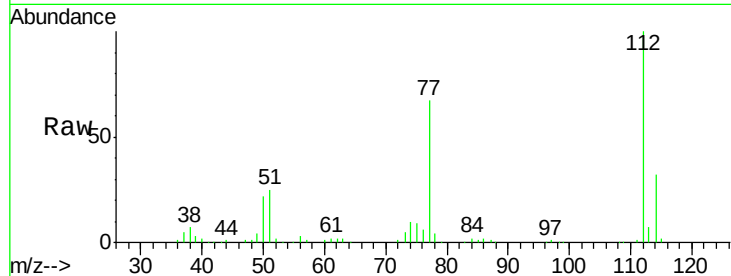
#59
Chlorobenzene
Concen: 5.148 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 279009
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

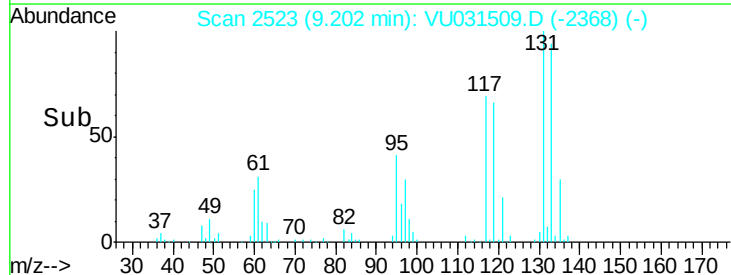
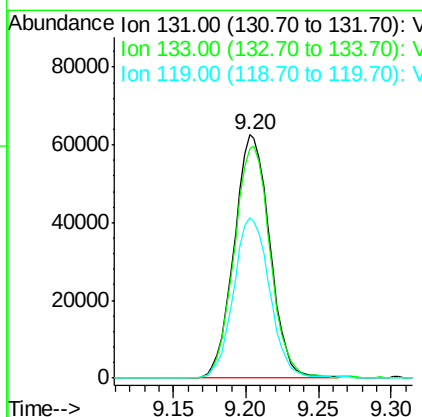
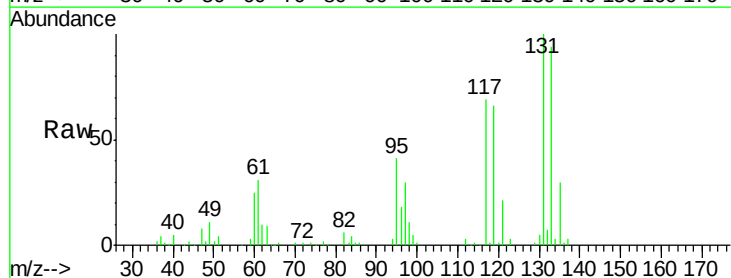
Manual Integrations
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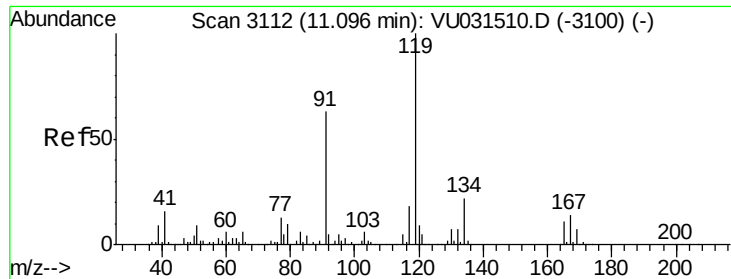
MMdadoda
4/26/2019 12:22:31 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 5.247 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion:131 Resp: 106946
Ion Ratio Lower Upper
131 100
133 95.7 77.7 116.5
119 66.4 53.4 80.0





#61

Pentachloroethane

Concen: 4.835 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 75305

Ion Ratio Lower Upper

117 100

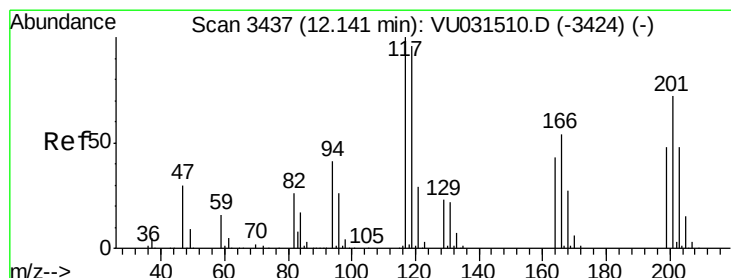
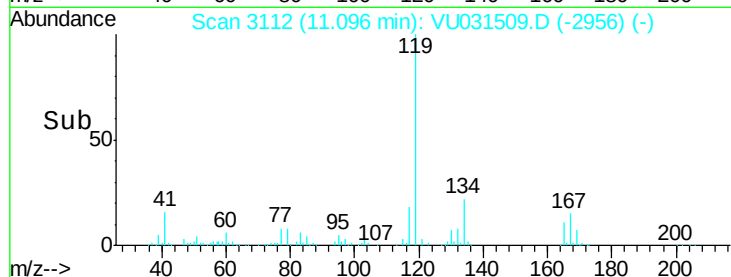
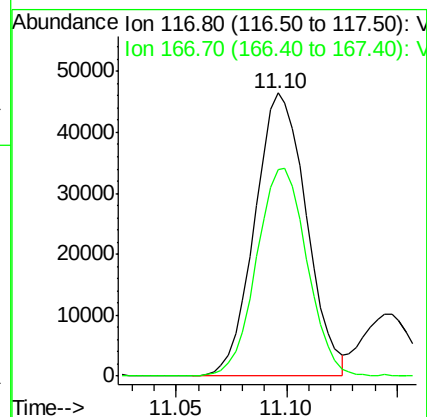
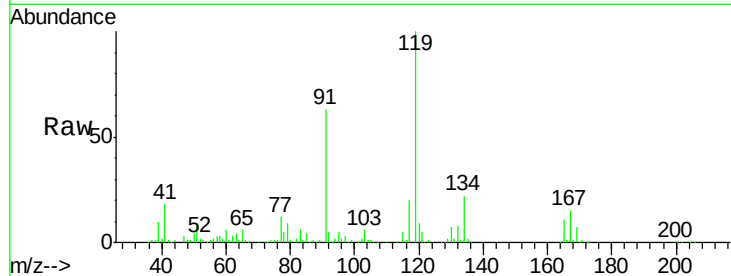
167 71.8 62.5 93.7

Manual Integrations

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MMdadoda

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#62

Hexachloroethane

Concen: 4.926 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU031509.D

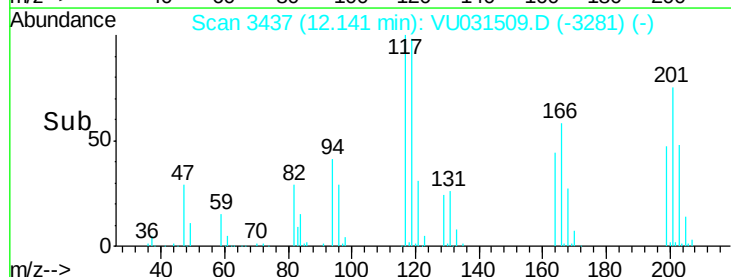
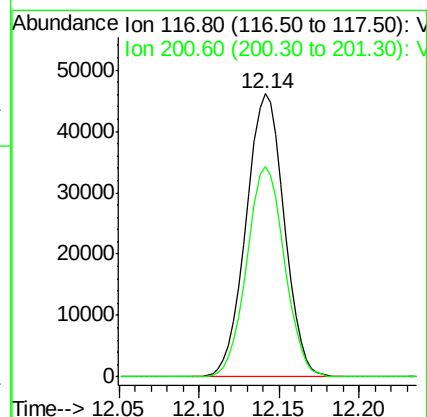
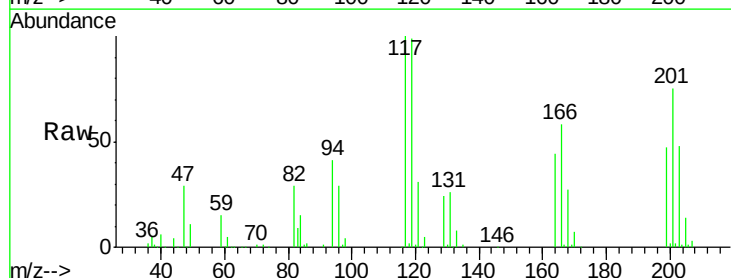
Acq: 25 Apr 2019 19:50

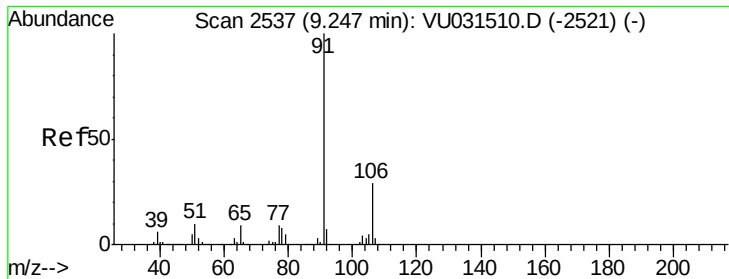
Tgt Ion:117 Resp: 74974

Ion Ratio Lower Upper

117 100

201 73.3 60.0 90.0





#63

Ethyl Benzene

Concen: 5.510 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 479768

Ion Ratio Lower Upper

91 100

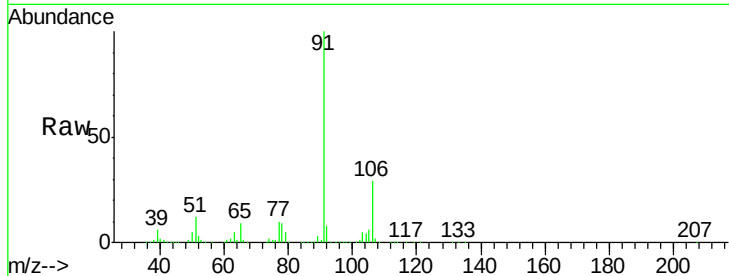
106 29.4 23.4 35.2

Manual Integrations

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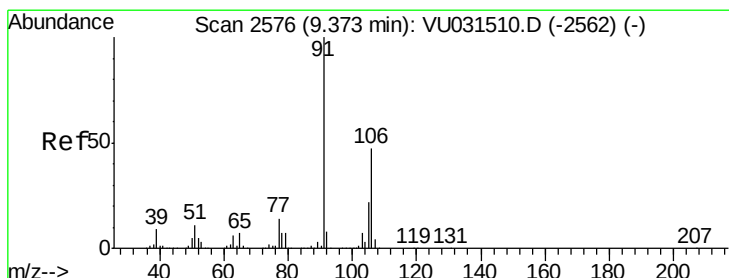
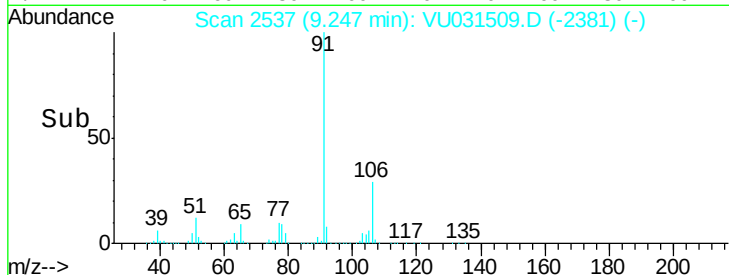
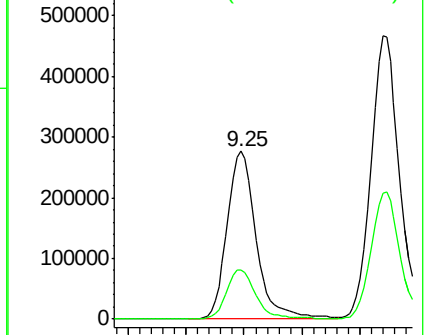
MMdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU031510.D (-2521) (-)

Ion 106.00 (105.70 to 106.70): VU031510.D (-2521) (-)



#64

m/p-Xylenes

Concen: 11.298 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031509.D

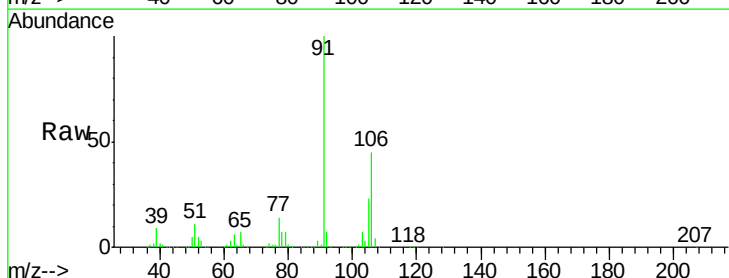
Acq: 25 Apr 2019 19:50

Tgt Ion: 106 Resp: 372973

Ion Ratio Lower Upper

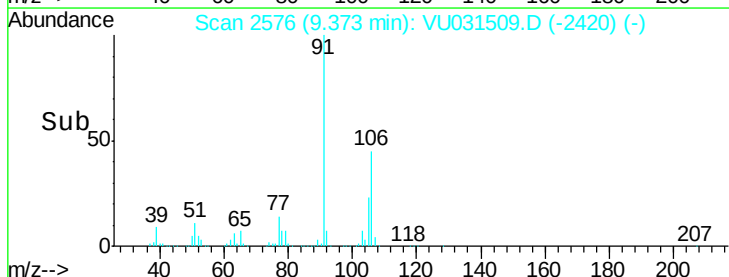
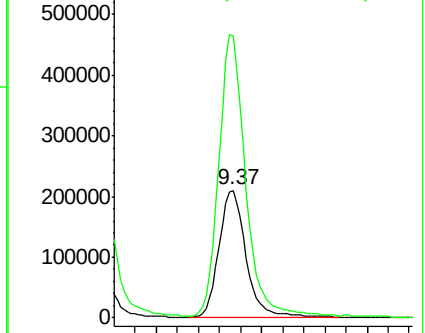
106 100

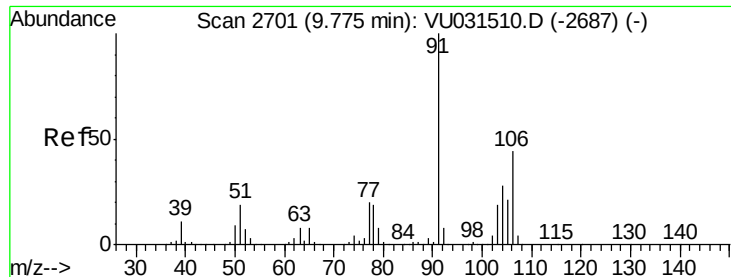
91 217.3 171.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU031510.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU031510.D (-2562) (-)





#65

o-Xylene

Concen: 5.558 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion:106 Resp: 176091

Ion Ratio Lower Upper

106 100

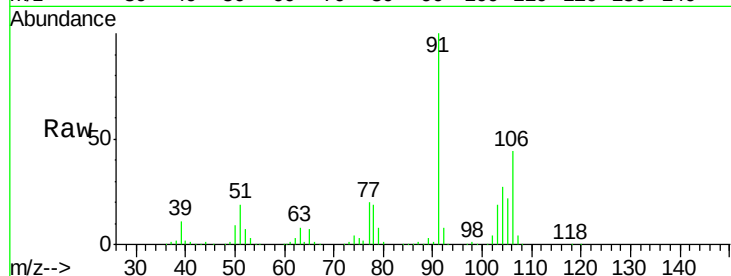
91 225.9 113.8 341.4

Manual Integrations

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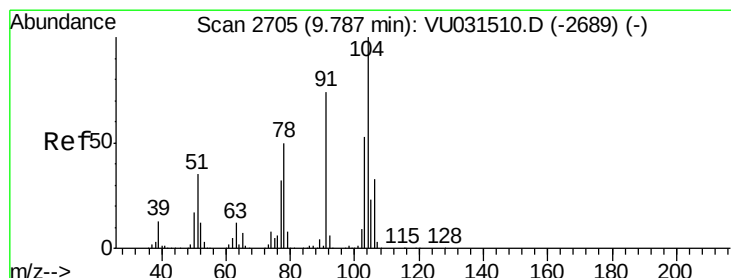
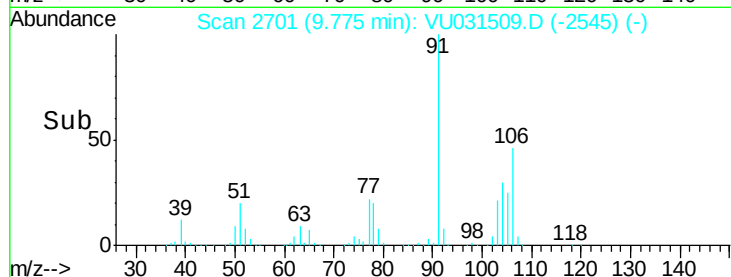
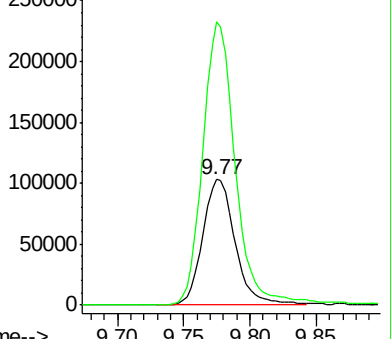
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 5.709 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

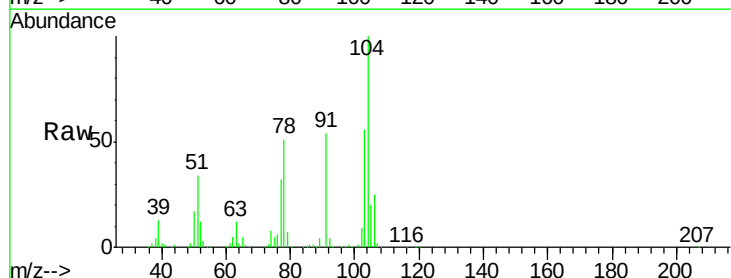
Tgt Ion:104 Resp: 306690

Ion Ratio Lower Upper

104 100

78 53.6 42.5 63.7

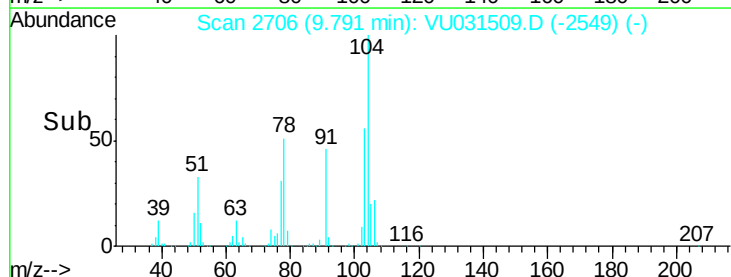
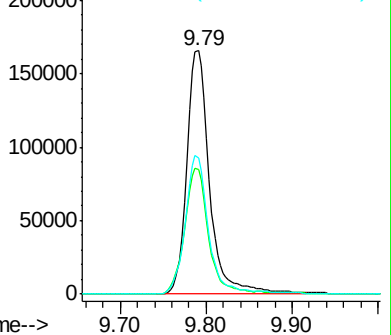
103 58.2 44.5 66.7

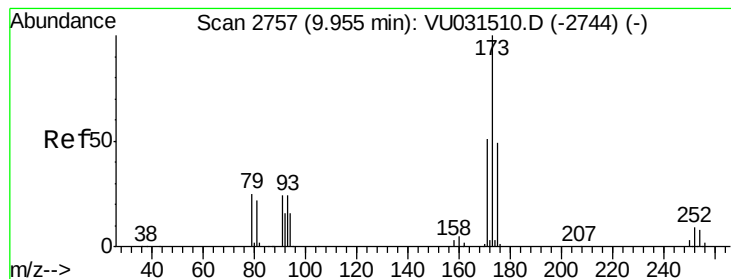


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 4.642 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

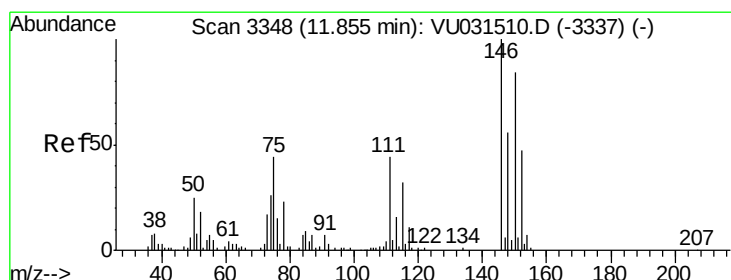
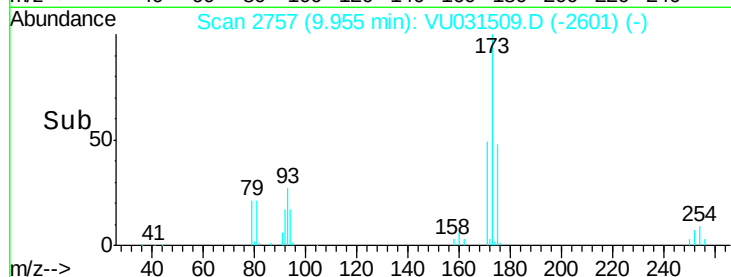
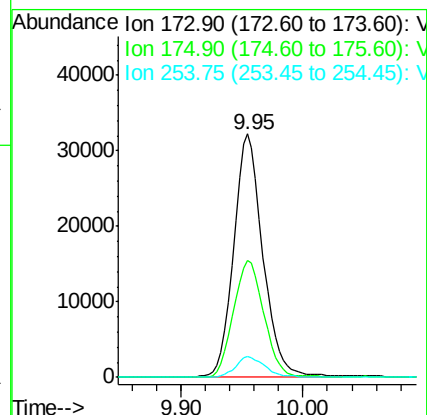
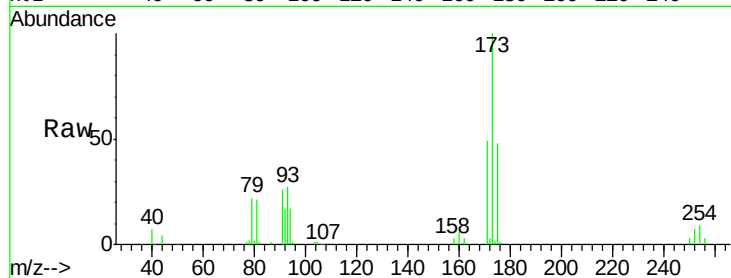
ClientSampleId :

VSTDIC005

Tot Ion:173	Resp:	53854
Ion Ratio	Lower	Upper
173 100		
175 49.7	38.7	58.1
254 8.4	6.0	9.0

Manual Integrations
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#68

1,2-Dichlorobenzene-d4

Concen: 0.924 ug/l

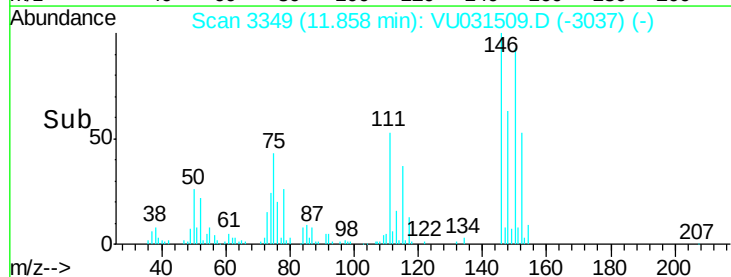
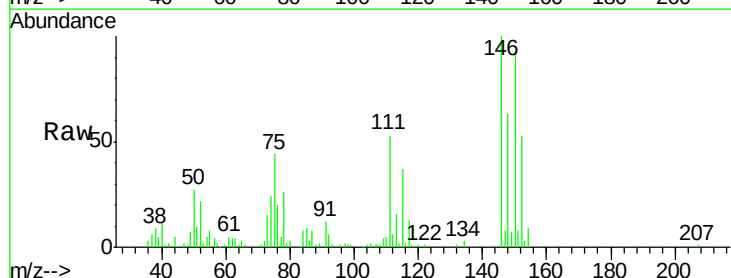
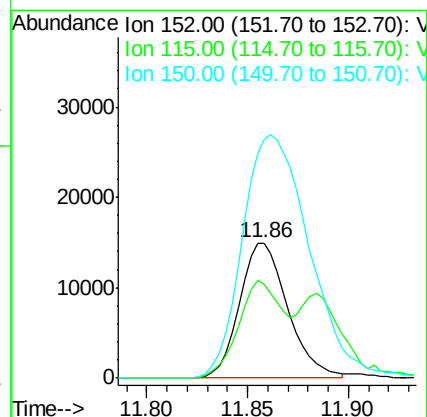
RT: 11.86 min Scan# 3349

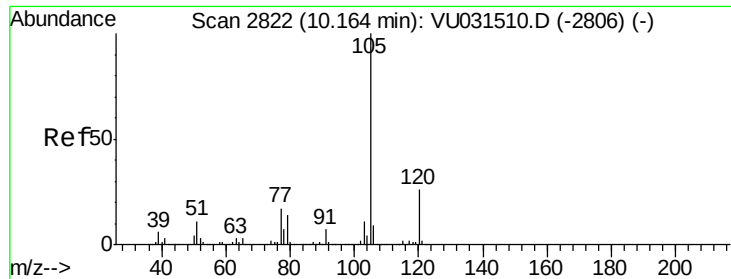
Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Tgt Ion:152	Resp:	24993
Ion Ratio	Lower	Upper
152 100		
115 66.0	0.0	123.2
150 250.1	0.0	658.2





#69

Isopropylbenzene

Concen: 5.362 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 454132

Ion Ratio Lower Upper

105 100

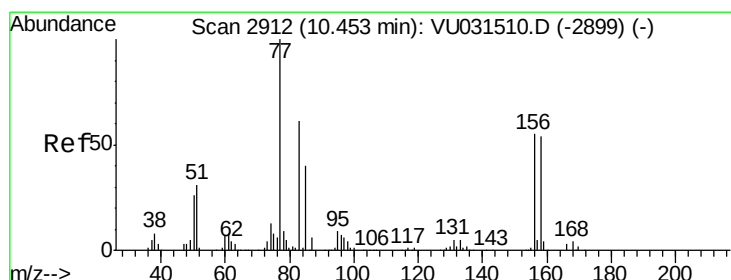
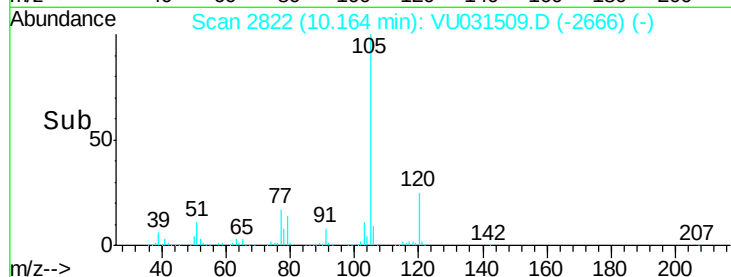
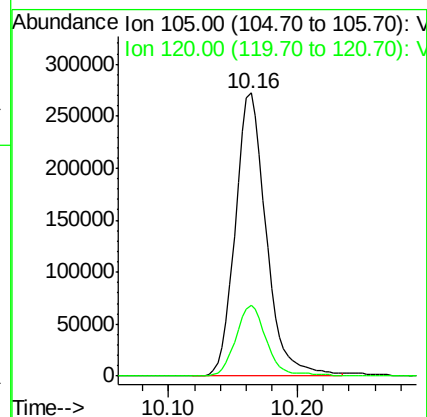
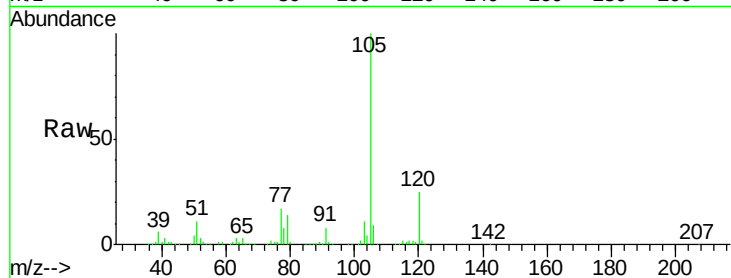
120 25.3 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 5.230 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

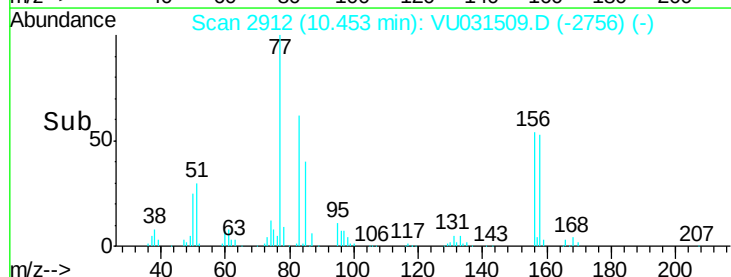
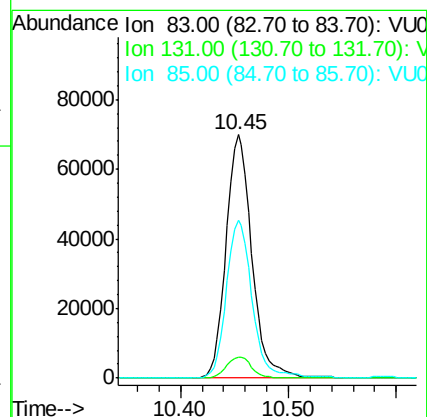
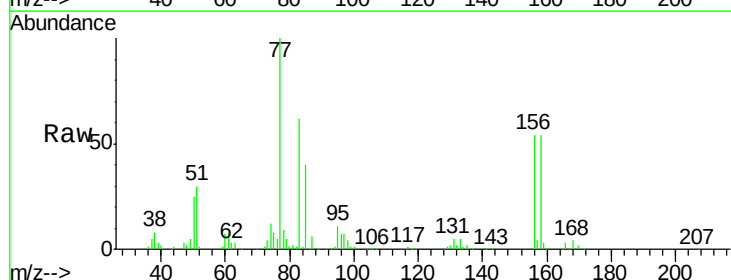
Tgt Ion: 83 Resp: 116803

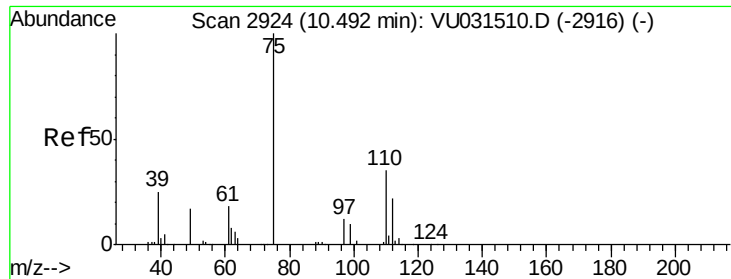
Ion Ratio Lower Upper

83 100

131 8.4 7.2 10.8

85 64.7 52.8 79.2





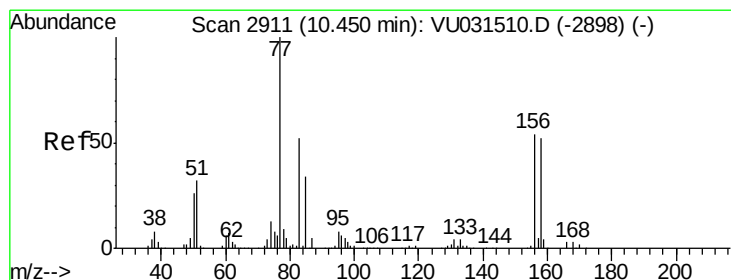
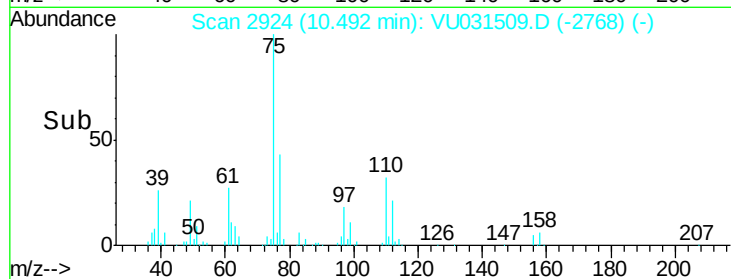
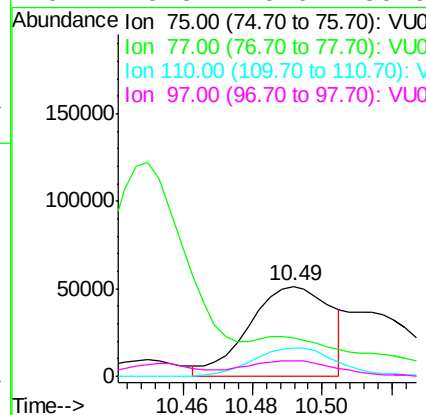
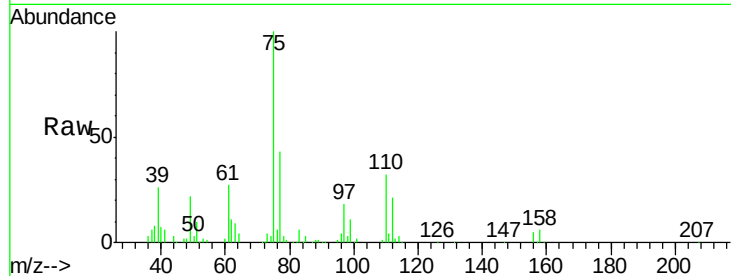
#71
1,2,3-Trichloropropane
Concen: 5.179 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	75	Resp	83274
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.6	0.0	68.2
97	19.8	0.0	36.6

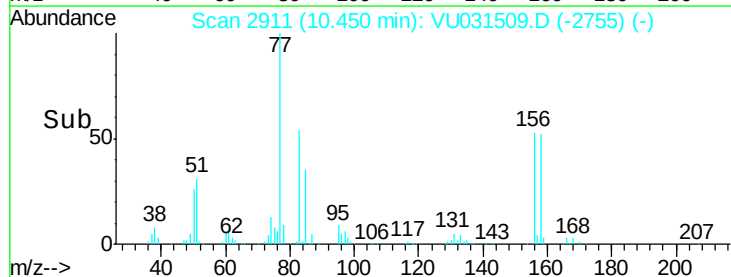
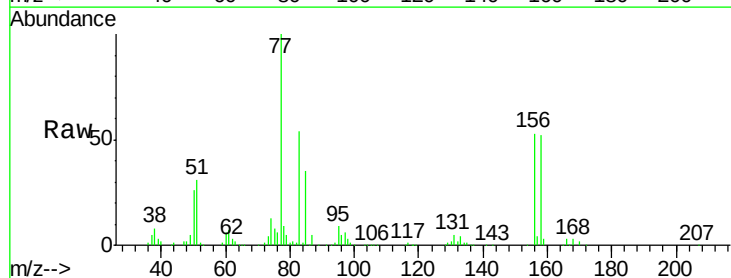
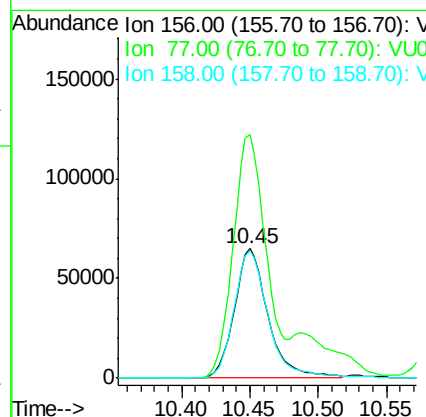
Manual Integrations
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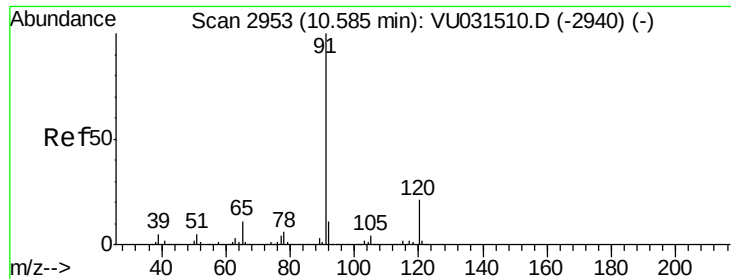
MMDadoda
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#72
Bromobenzene
Concen: 5.020 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	156	Resp	111549
Ion	Ratio	Lower	Upper
156	100		
77	183.6	0.0	353.4
158	100.2	0.0	190.6





#73

n-propylbenzene

Concen: 5.372 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 121210

Ion Ratio Lower Upper

120 100

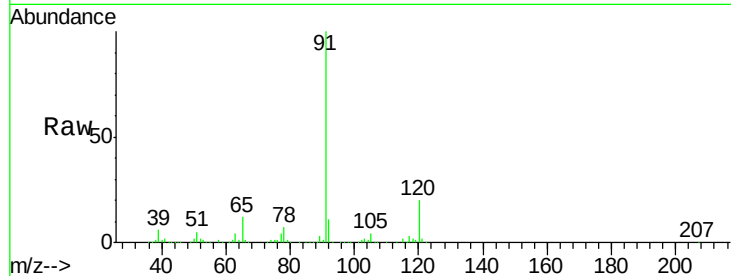
91 481.9 373.9 560.9

Manual Integrations

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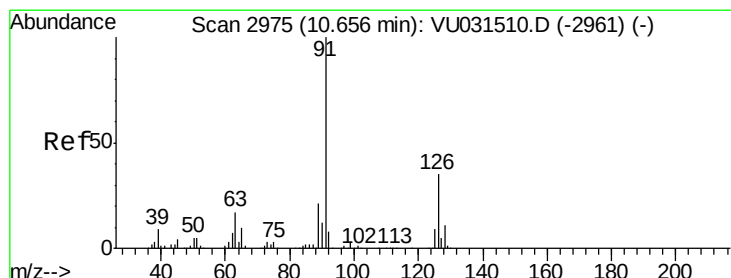
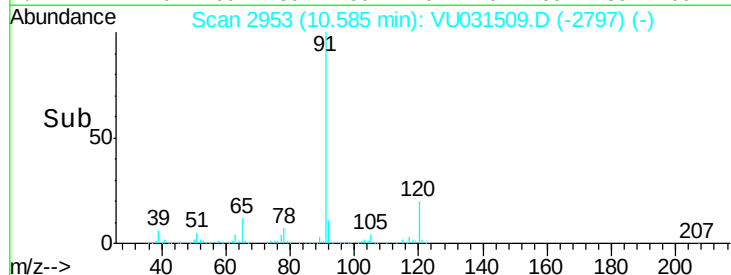
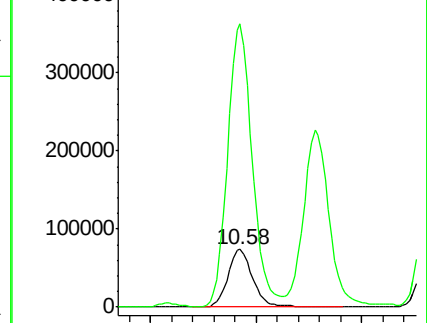
MMdadoda

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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: 5.660 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031509.D

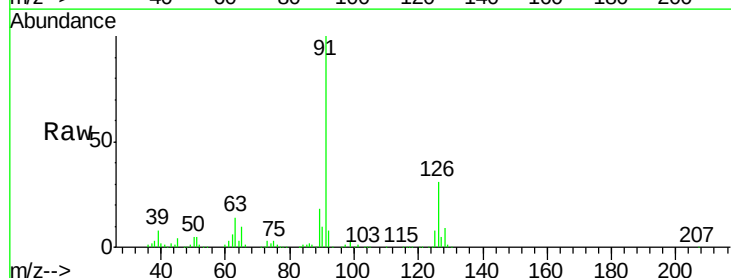
Acq: 25 Apr 2019 19:50

Tgt Ion:126 Resp: 117632

Ion Ratio Lower Upper

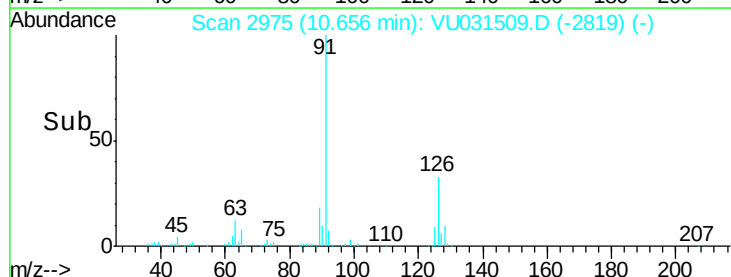
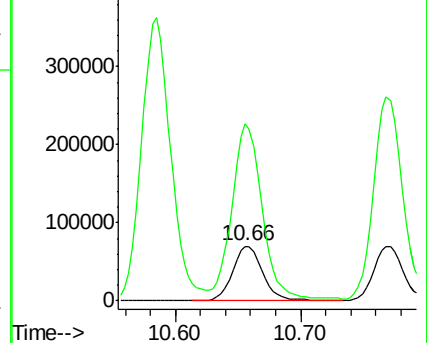
126 100

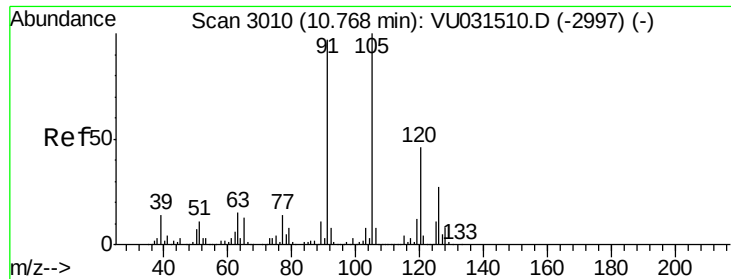
91 325.5 0.0 659.6



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: 5.765 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 415471

Ion Ratio Lower Upper

105 100

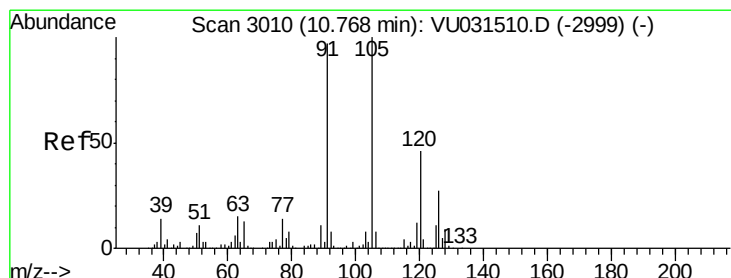
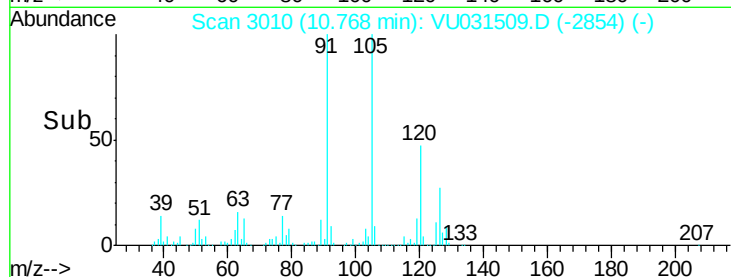
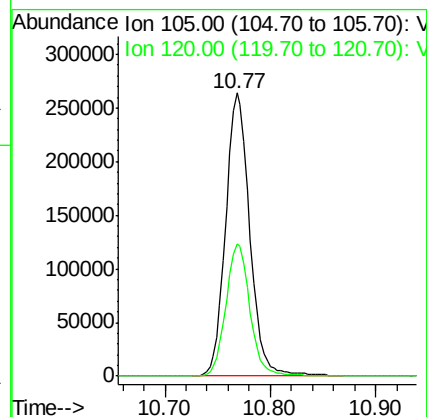
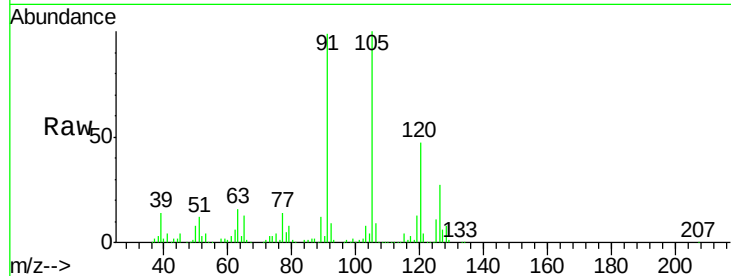
120 47.1 36.8 55.2

Manual Integrations

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#76

4-Chlorotoluene

Concen: 5.639 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031509.D

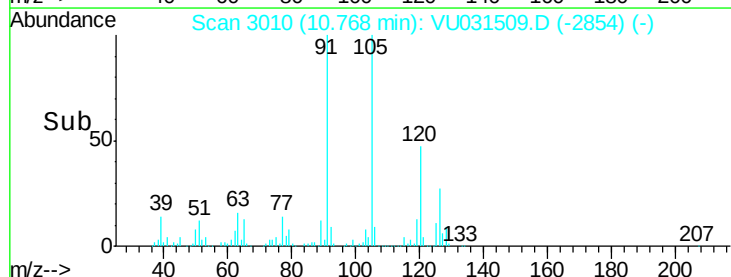
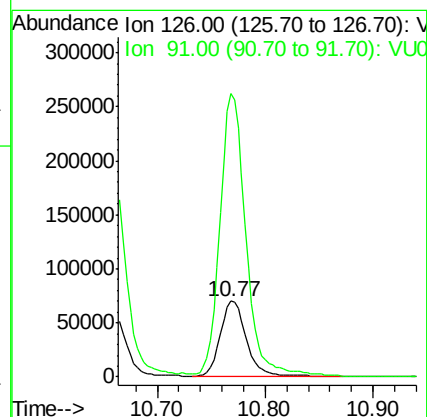
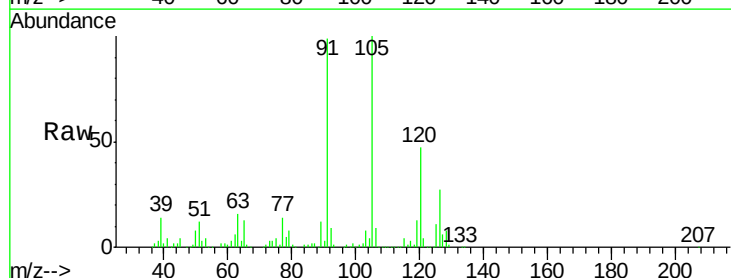
Acq: 25 Apr 2019 19:50

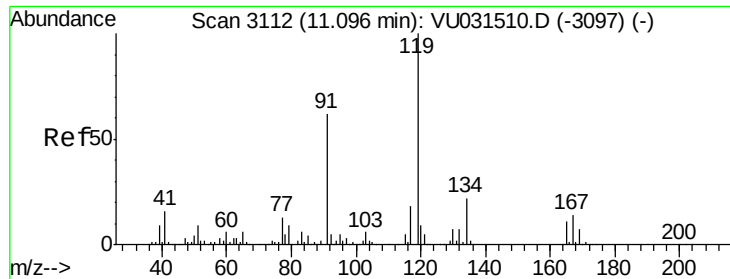
Tgt Ion:126 Resp: 118479

Ion Ratio Lower Upper

126 100

91 368.2 0.0 732.0





#77

tert-Butylbenzene

Concen: 5.279 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:119 Resp: 367374

Ion Ratio Lower Upper

119 100

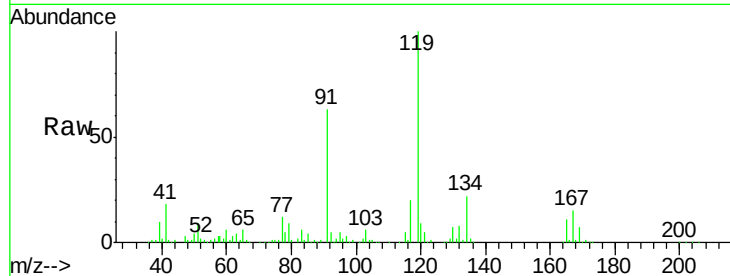
91 62.5 31.4 94.2

134 22.5 17.4 26.2

Manual Integrations
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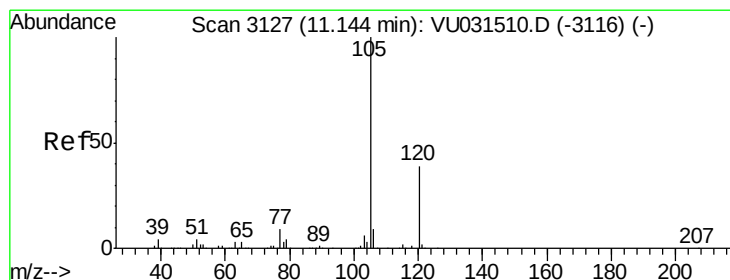
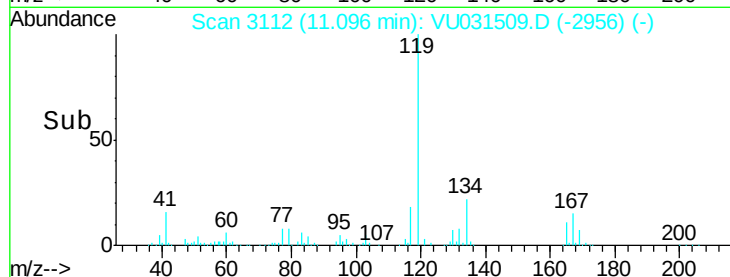
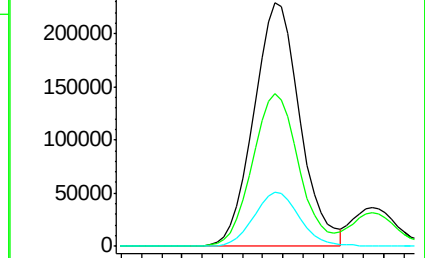
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 5.830 ug/l

RT: 11.14 min Scan# 3127

Delta R.T. 0.00 min

Lab File: VU031509.D

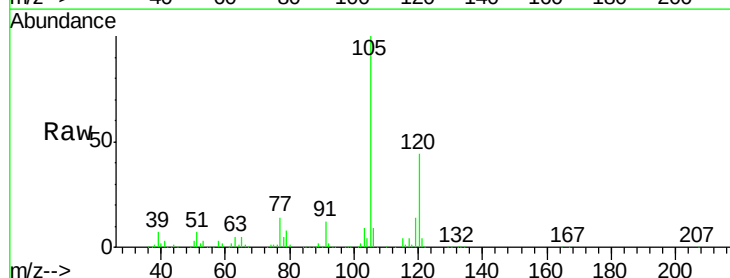
Acq: 25 Apr 2019 19:50

Tgt Ion:105 Resp: 422449

Ion Ratio Lower Upper

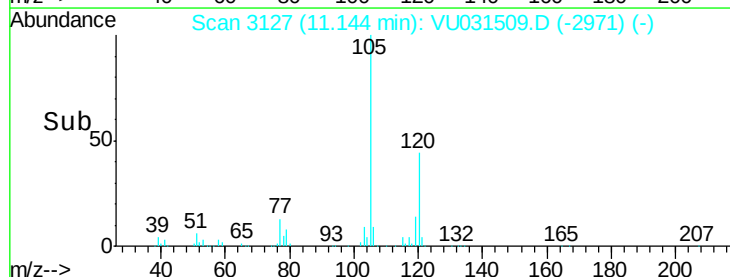
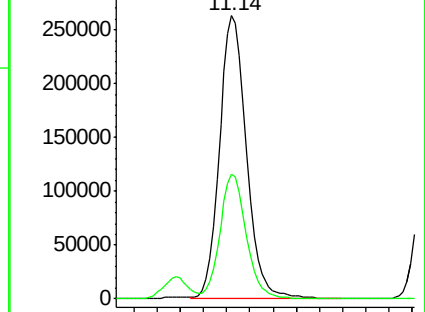
105 100

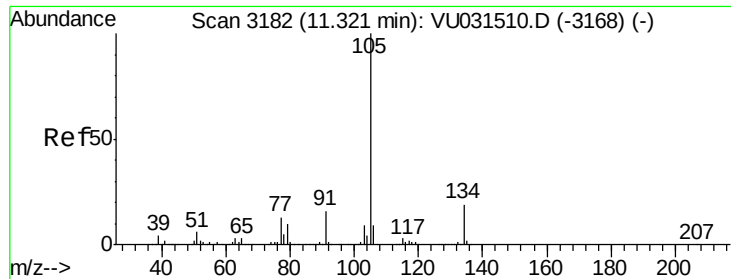
120 42.8 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 5.550 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 523693

Ion Ratio Lower Upper

105 100

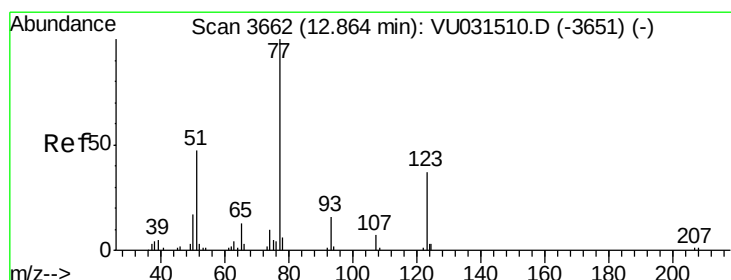
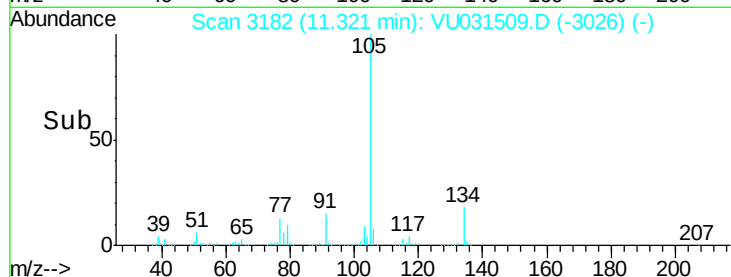
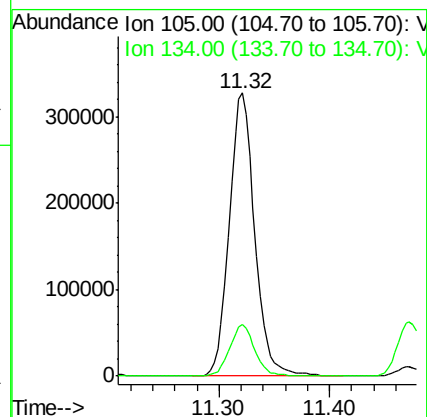
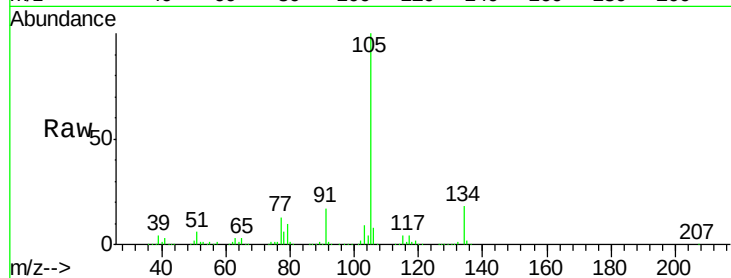
134 18.2 15.0 22.6

Manual Integrations

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#80

Nitrobenzene

Concen: 17.710 ug/l m

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU031509.D

Acq: 25 Apr 2019 19:50

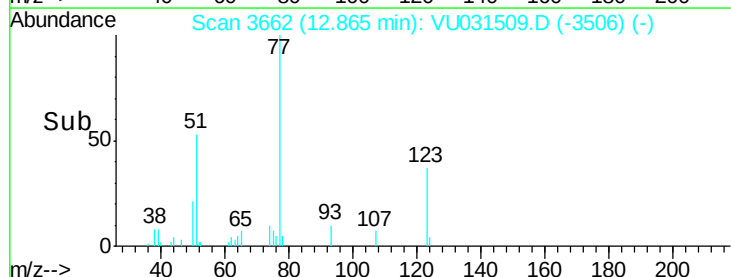
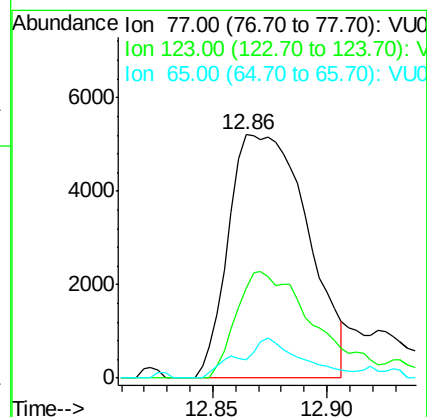
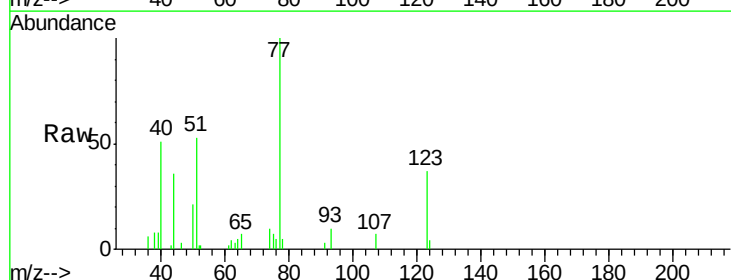
Tgt Ion: 77 Resp: 12524

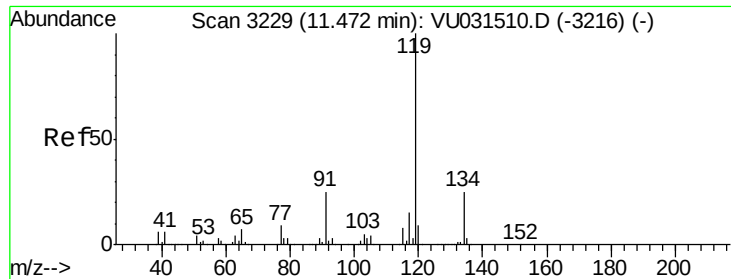
Ion Ratio Lower Upper

77 100

123 0.0 17.2 61.0#

65 3.2 9.7 12.3#





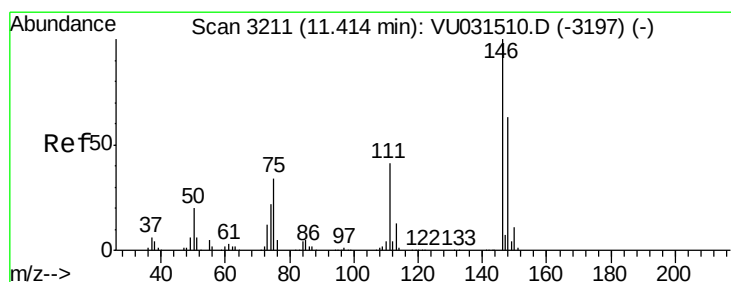
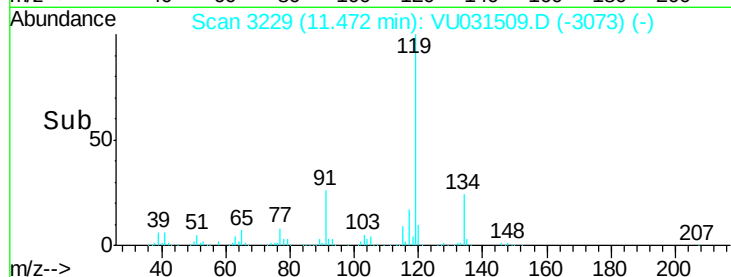
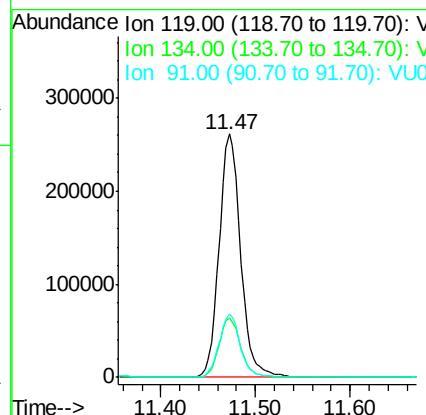
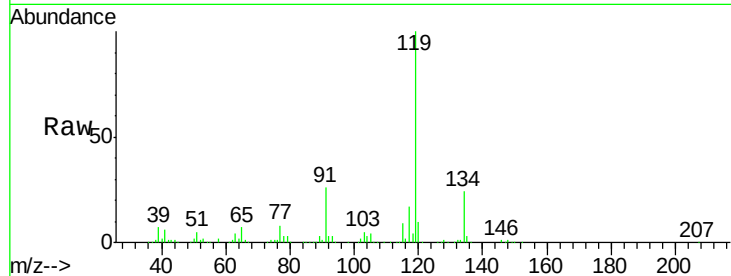
#81
 p-Isopropyltoluene
 Concen: 5.449 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	411350		
134	24.5	20.3	30.5	
91	25.3	20.3	30.5	

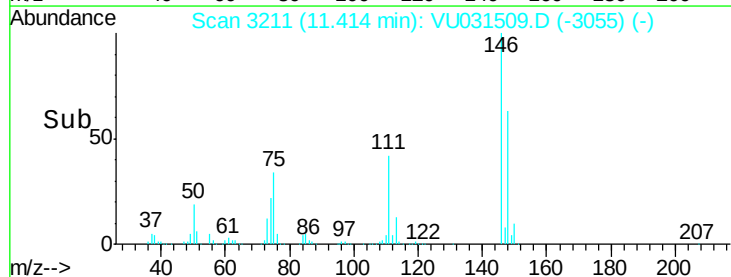
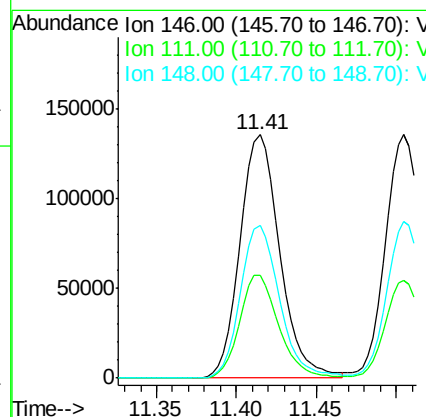
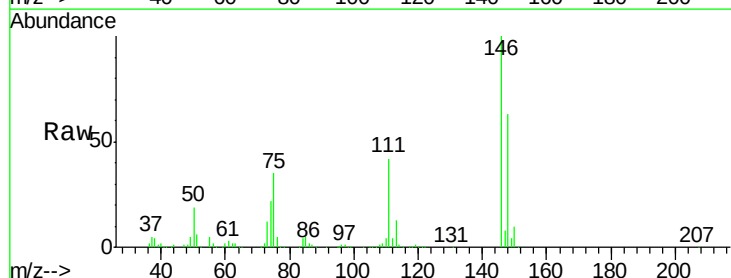
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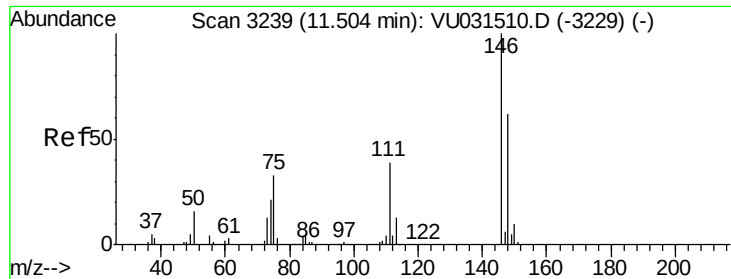
MMDadoda
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#82
 1,3-Dichlorobenzene
 Concen: 5.239 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	230306		
111	41.5	33.4	50.0	
148	61.8	50.2	75.4	





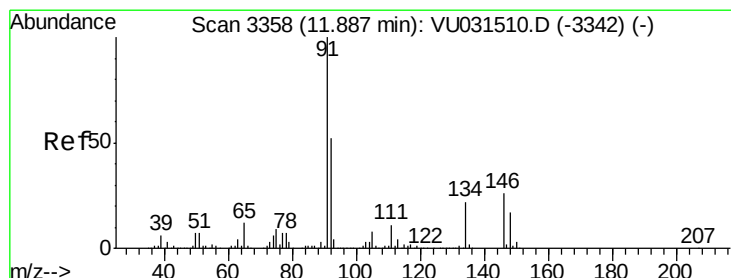
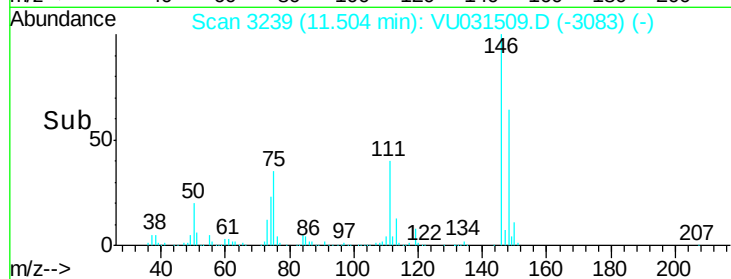
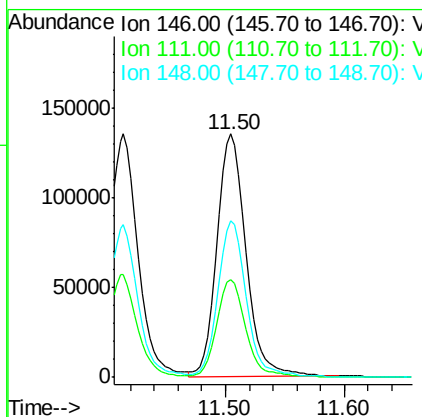
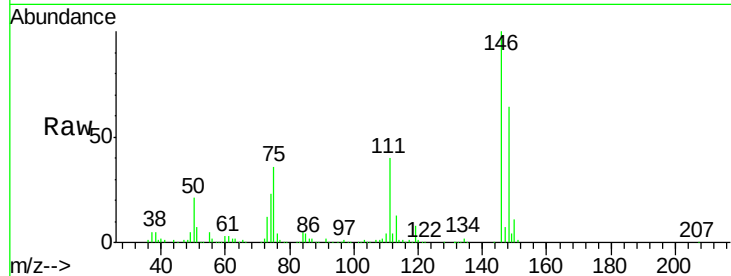
#83
 1,4-Dichlorobenzene
 Concen: 5.409 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229523		
111	39.6		32.2	48.4
148	63.2		51.2	76.8

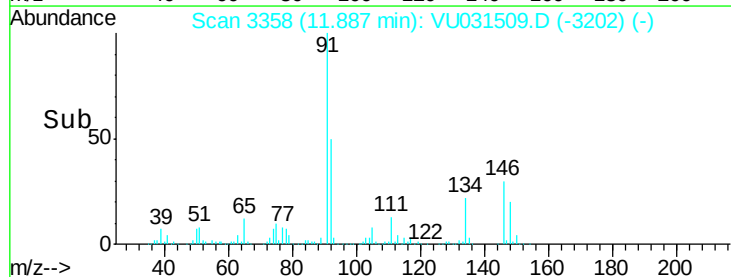
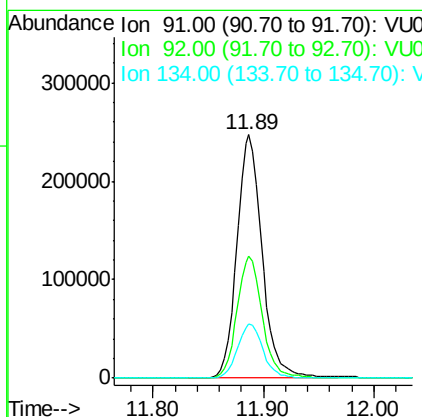
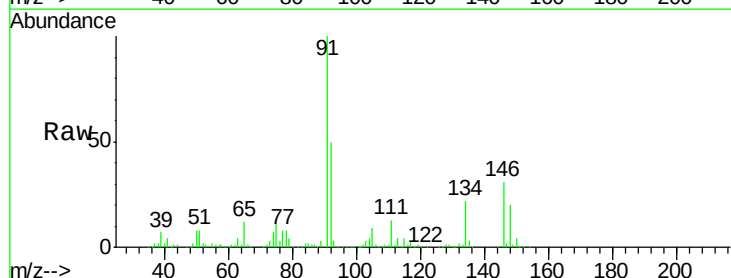
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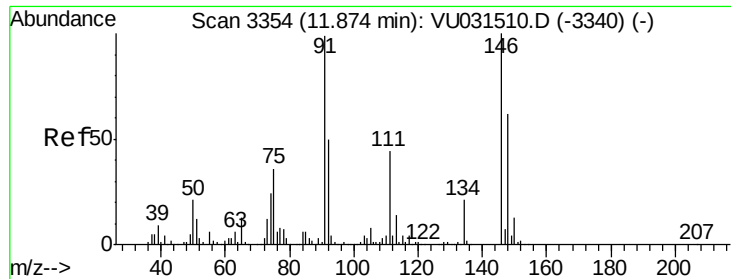
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#84
 n-Butylbenzene
 Concen: 5.350 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	391044		
92	50.4		41.2	61.8
134	22.4		18.1	27.1





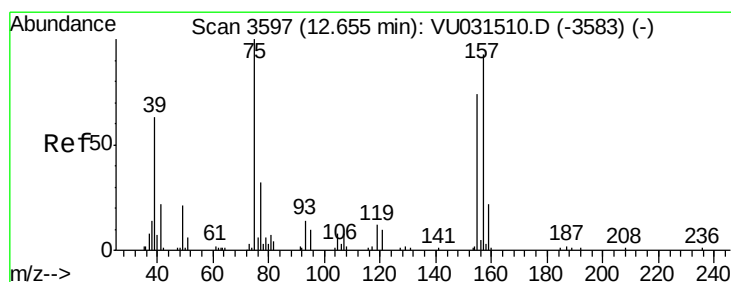
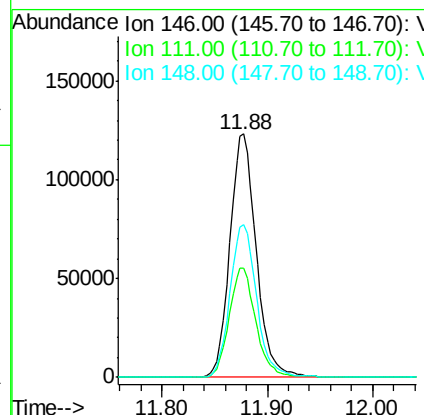
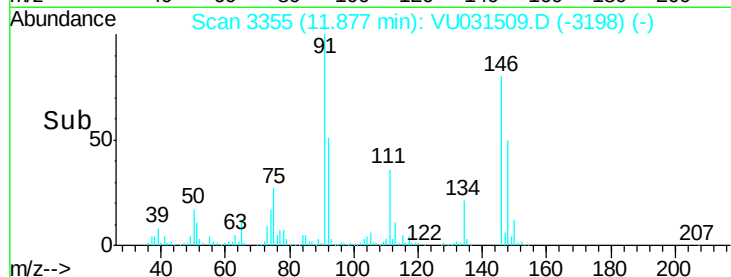
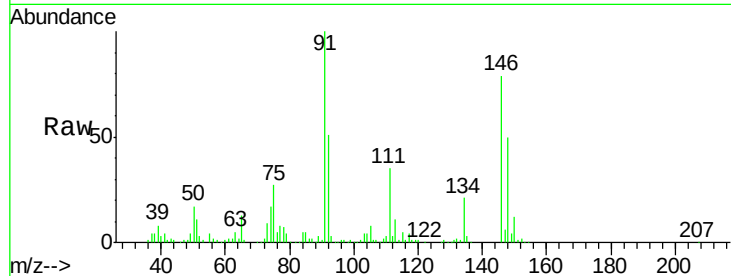
#85
 1,2-Dichlorobenzene
 Concen: 5.187 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.7	65.1
148	63.5	31.6	94.7

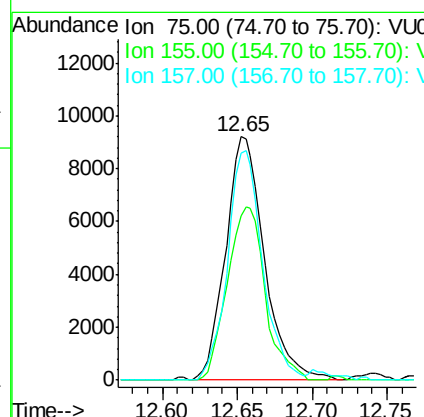
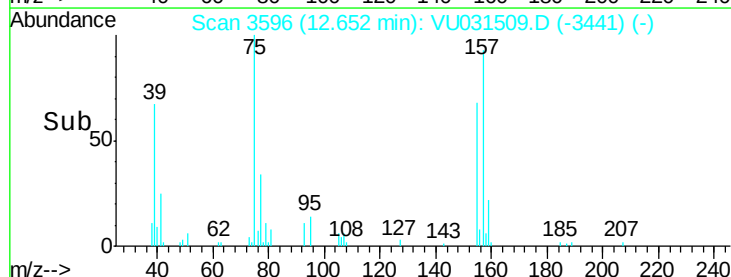
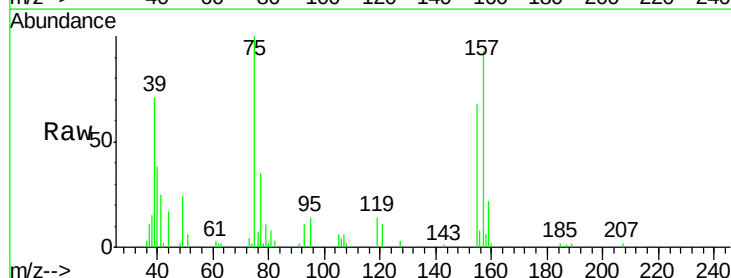
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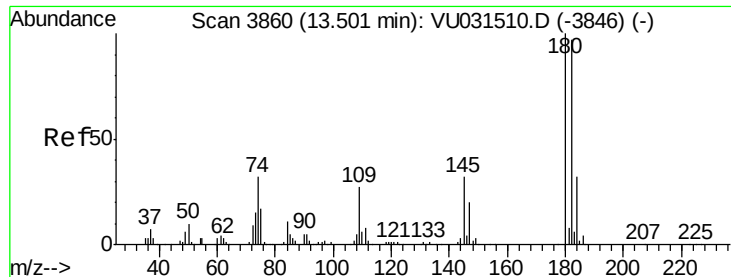
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 5.255 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	58.5	87.7
157	85.1	75.0	112.4





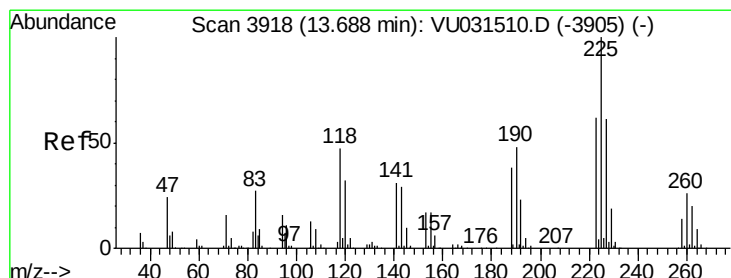
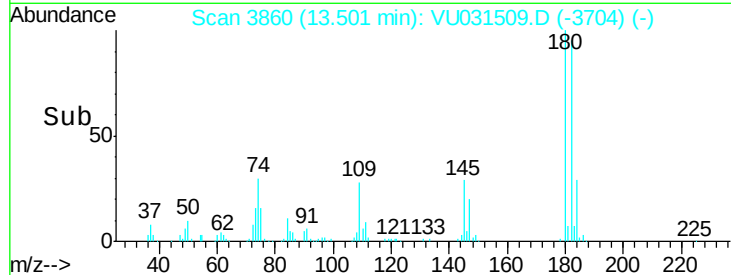
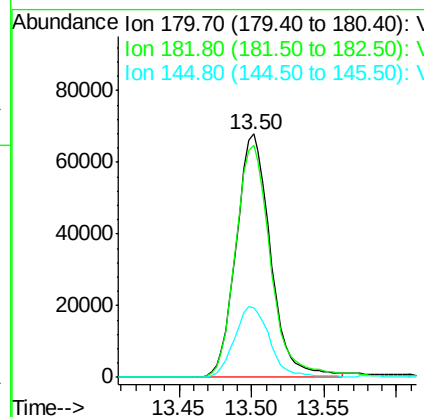
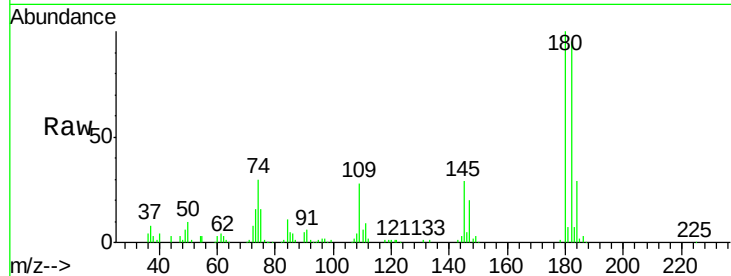
#87
 1,2,4-Trichlorobenzene
 Concen: 4.568 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.5	113.3
145	30.0	23.9	35.9

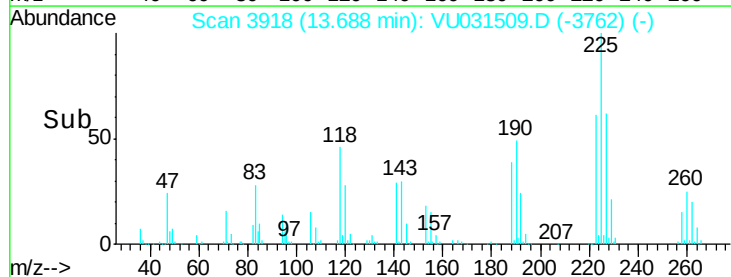
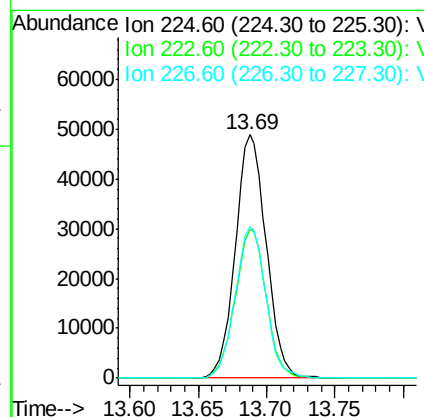
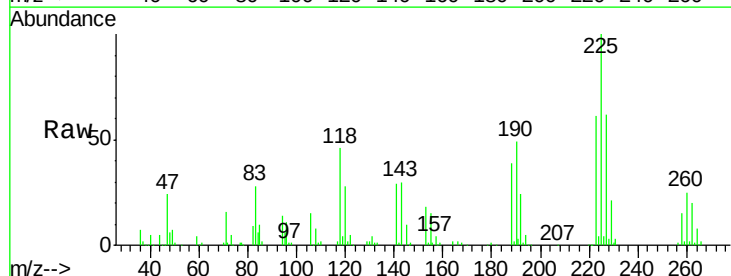
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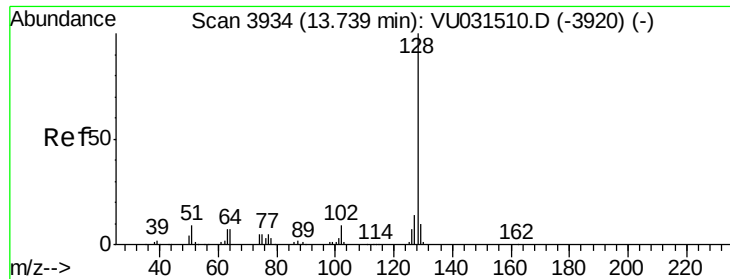
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#88
 Hexachlorobutadiene
 Concen: 4.608 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU031509.D
 Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.2	75.4
227	61.7	50.4	75.6





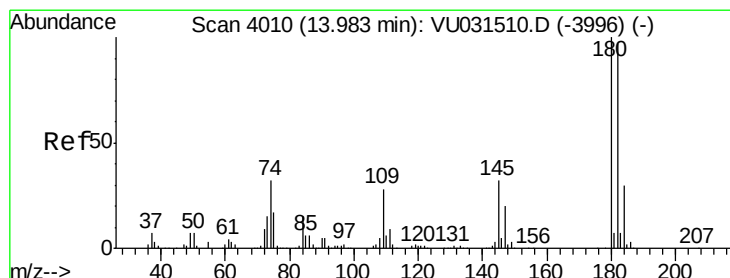
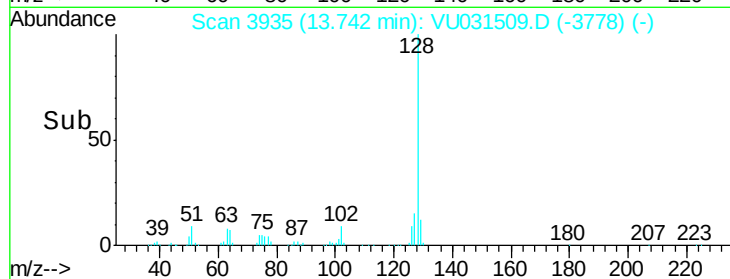
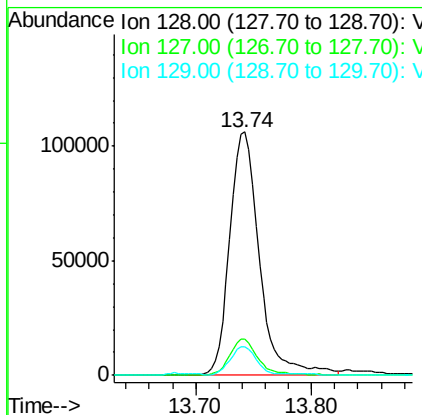
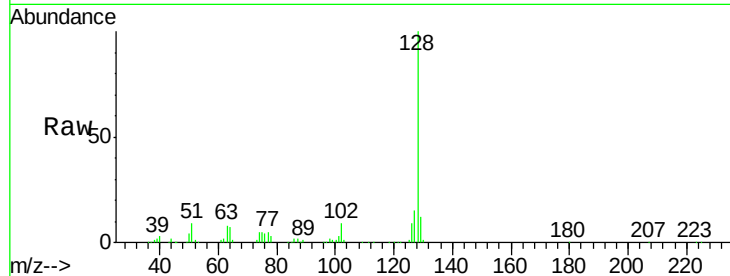
#89
Naphthalene
Concen: 4.600 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.8	16.2
129	9.8	8.2	12.2

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 4.631 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031509.D
Acq: 25 Apr 2019 19:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.5	77.1	115.7
145	32.6	25.9	38.9

