

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031511.D
 Acq On : 25 Apr 2019 20:43
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Apr 26 03:53:19 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	83522	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	29547	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	27362	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	508409	14.048	ug/l	99
3) Chloromethane	1.32	50	575455	14.784	ug/l	99
4) Vinyl Chloride	1.40	62	564852	14.853	ug/l	100
5) Bromomethane	1.62	94	272259	12.745	ug/l	96
6) Chloroethane	1.69	64	306979	12.146	ug/l	96
7) Trichlorofluoromethane	1.88	101	648921	12.176	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	316416	11.967	ug/l	100
9) 1,1-Dichloroethene	2.28	96	318243	12.048	ug/l	99
10) Iodomethane	2.41	142	404361	11.618	ug/l	98
11) Allyl Chloride	2.59	41	700443	13.350	ug/l	99
12) Acrylonitrile	2.93	53	189322	24.702	ug/l	98
13) Acetone	2.32	43	407749	58.278	ug/l	97
14) Carbon Disulfide	2.47	76	1218570	12.443	ug/l	100
15) Methylene Chloride	2.69	84	375282	11.049	ug/l	99
16) trans-1,2-Dichloroethene	2.97	96	356387	12.201	ug/l	97
17) 1,1-Dichloroethane	3.44	63	743751	15.261	ug/l	100
18) 2-Butanone	4.27	43	656312	86.759	ug/l	99
19) Cyclohexane	4.99	56	682740m	19.372	ug/l	
20) Methylcyclohexane	6.41	83	590293	17.377	ug/l	97
21) 2,2-Dichloropropane	4.22	77	537790	14.453	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	397382	15.045	ug/l	99
23) Diethyl Ether	2.10	59	313858	12.719	ug/l	99
24) tert-Butyl Alcohol	2.83	59	329507	126.496	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	968565	12.594	ug/l	100
26) Bromochloromethane	4.54	128	166181	13.966	ug/l	99
27) Chloroform	4.67	83	697850	14.654	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	584121	14.492	ug/l	99
29) 1,1-Dichloropropene	5.13	75	534696	15.750	ug/l	100
30) Carbon Tetrachloride	5.13	117	505643	14.306	ug/l	97
31) Isopropyl Ether	3.57	45	1241051	17.186	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	1055094	17.389	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	885418	17.163	ug/l	100
34) Propionitrile	4.32	54	179351	86.140	ug/l #	96
35) Benzene	5.38	78	1553371	15.523	ug/l	98
36) 1,2-Dichloroethane	5.40	62	472469	14.816	ug/l	100
37) Trichloroethene	6.18	130	361788	13.093	ug/l	97
38) 1,2-Dichloropropane	6.43	63	433507	16.165	ug/l	98
39) Methacrylonitrile	4.54	41	159509	17.052	ug/l	99
40) Methyl acrylate	4.42	55	228562	18.936	ug/l	99
41) Tetrahydrofuran	4.64	42	166796	34.970	ug/l	97
42) 1-Chlorobutane	5.06	56	818578	16.854	ug/l	97

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Manual Integrations
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Quant Time: Apr 26 03:53:19 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	202222	14.243	ug/l	100
44) Bromodichloromethane	6.75	83	511411	14.867	ug/l	98
45) 4-Methyl-2-Pentanone	7.46	43	1453374	86.560	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	170047m	27.259	ug/l	
47) Methyl methacrylate	6.62	69	399125	33.652	ug/l	99
48) Ethyl methacrylate	8.02	69	362202	17.330	ug/l	99
49) Toluene	7.63	92	888943	16.297	ug/l	99
50) t-1,3-Dichloropropene	7.87	75	462889	15.941	ug/l	99
51) cis-1,3-Dichloropropene	7.26	75	554938	16.046	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	275493	14.466	ug/l	97
53) 1,3-Dichloropropane	8.24	76	499162	15.330	ug/l	99
54) 2-Hexanone	8.36	43	989232	87.091	ug/l	97
55) Dibromochloromethane	8.47	129	316407	14.068	ug/l	99
56) 1,2-Dibromoethane	8.58	107	250343	14.166	ug/l	99
58) Tetrachloroethene	8.22	164	356644	15.114	ug/l	98
59) Chlorobenzene	9.12	112	897565	14.961	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.20	131	324987	14.404	ug/l	100
61) Pentachloroethane	11.10	117	223858	12.984	ug/l	98
62) Hexachloroethane	12.14	117	237115	14.074	ug/l	100
63) Ethyl Benzene	9.25	91	1638098	16.996	ug/l	100
64) m/p-Xylenes	9.37	106	1220057	33.385	ug/l	96
65) o-Xylene	9.77	106	579766	16.530	ug/l	99
66) Styrene	9.79	104	1034300	17.394	ug/l	99
67) Bromoform	9.95	173	177732	13.840	ug/l	98
69) Isopropylbenzene	10.16	105	1545850	16.488	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	355355	14.373	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	265902m	14.938	ug/l	
72) Bromobenzene	10.45	156	354401	14.408	ug/l	99
73) n-propylbenzene	10.58	120	415552	16.639	ug/l	99
74) 2-Chlorotoluene	10.66	126	363394	15.796	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	1348381	16.903	ug/l	99
76) 4-Chlorotoluene	10.77	126	374922	16.121	ug/l	99
77) tert-Butylbenzene	11.10	119	1226256	15.917	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	1369433	17.074	ug/l	99
79) sec-Butylbenzene	11.32	105	1693677	16.213	ug/l	99
80) Nitrobenzene	12.86	77	58562	74.810	ug/l #	98
81) p-Isopropyltoluene	11.47	119	1378734	16.498	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	691135	14.203	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	698333	14.867	ug/l	100
84) n-Butylbenzene	11.89	91	1377419	17.024	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	654213	14.397	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	54325	15.499	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	407333	14.963	ug/l	100
88) Hexachlorobutadiene	13.69	225	238490	12.942	ug/l	99
89) Naphthalene	13.74	128	778208	17.098	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	393553	14.401	ug/l	99

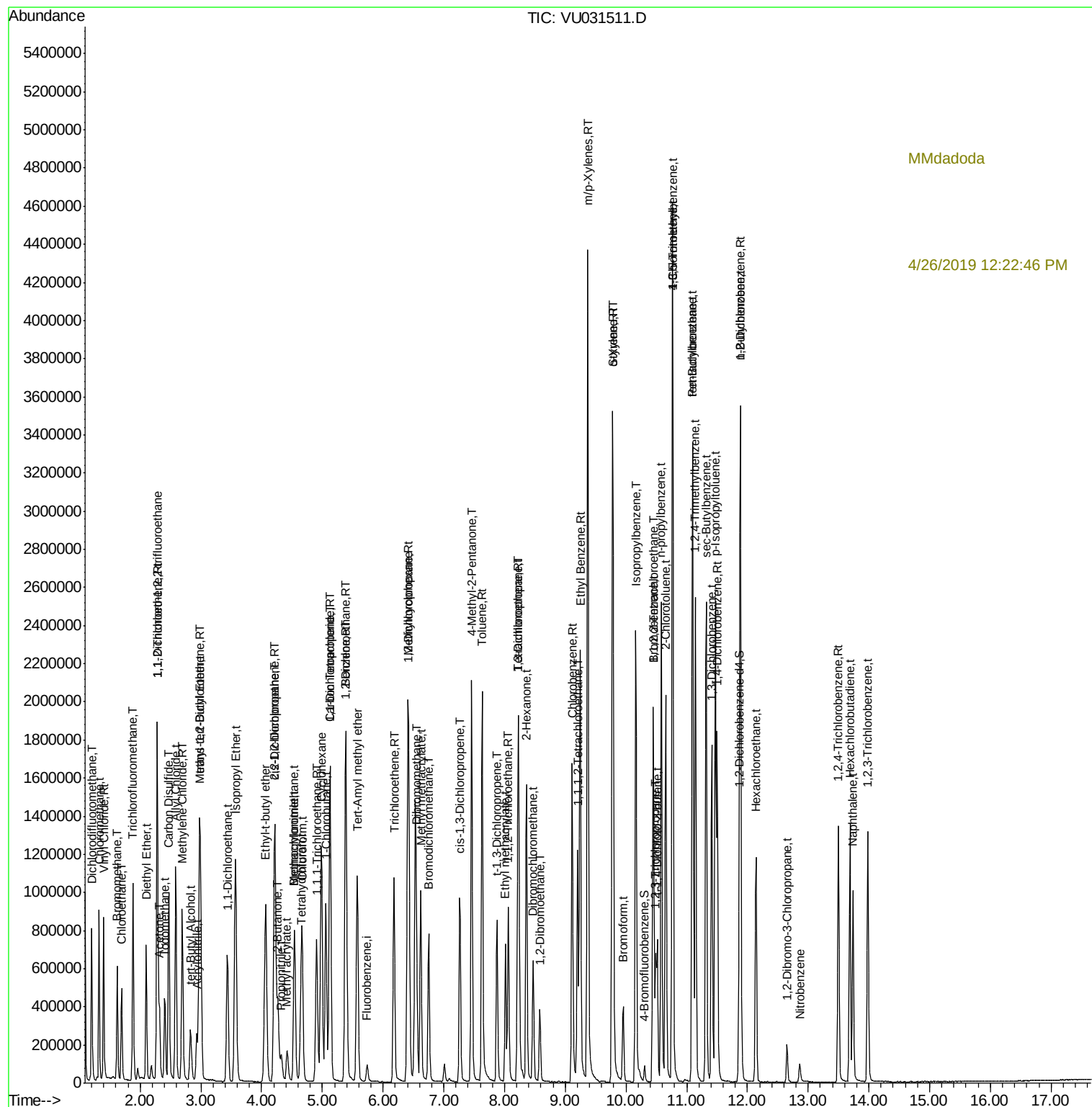
(#) = qualifier out of range (m) = manual integration (+) = signals summed

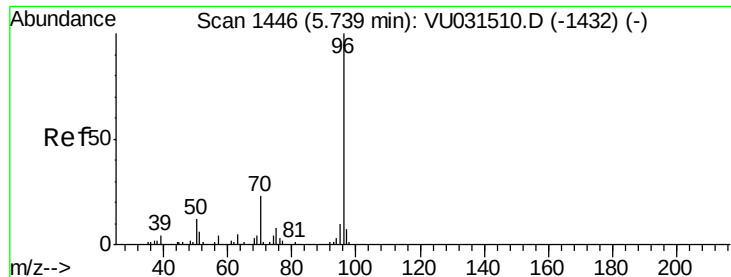
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 02:56:29 2019
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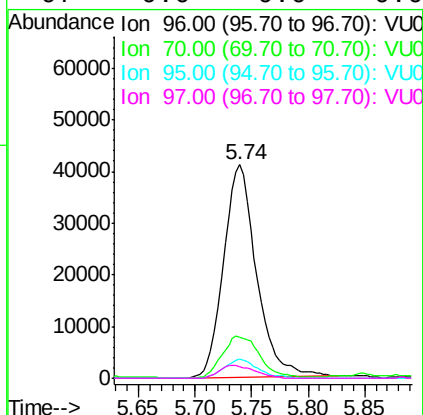
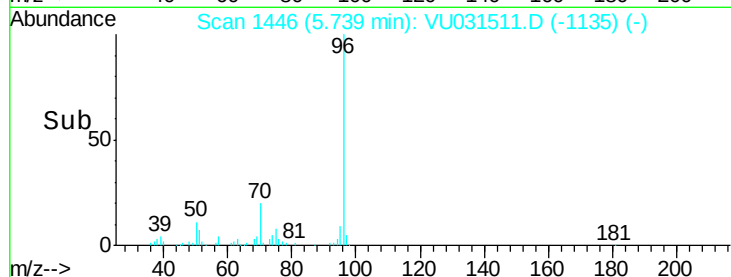
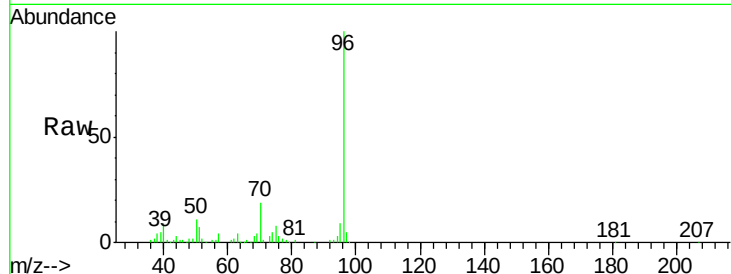


#1
 Fluorobenzene
 Concen: 1.000 ug/l
 RT: 5.74 min Scan# 1446
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

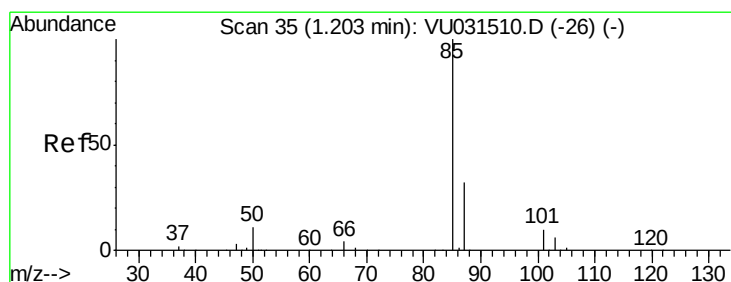
Tot Ion:	96	Resp:	83522
Ion	Ratio	Lower	Upper
96	100		
70	21.9	18.2	27.2
95	0.0	7.7	11.5#
97	0.0	0.0	0.0

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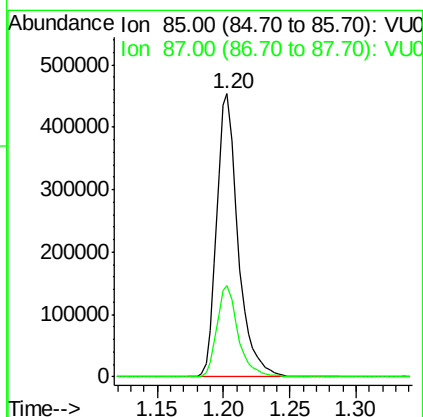
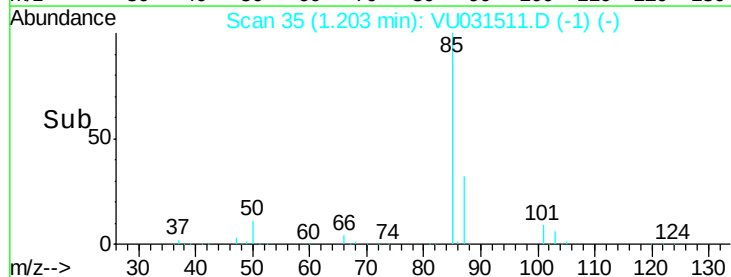
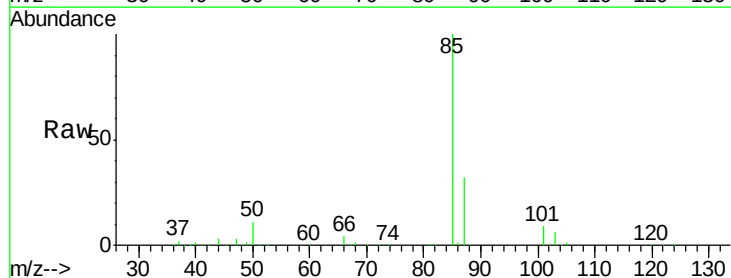
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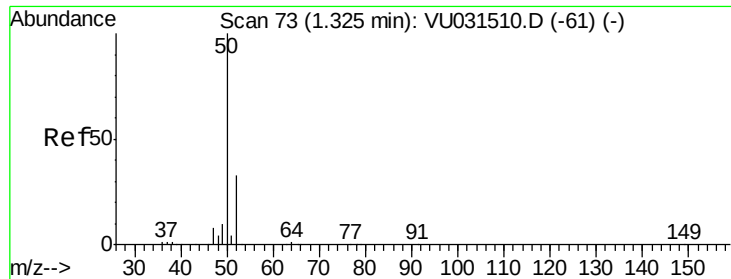
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#2
 Dichlorodifluoromethane
 Concen: 14.048 ug/l
 RT: 1.20 min Scan# 35
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:	85	Resp:	508409
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.1	48.2





#3

Chloromethane

Concen: 14.784 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

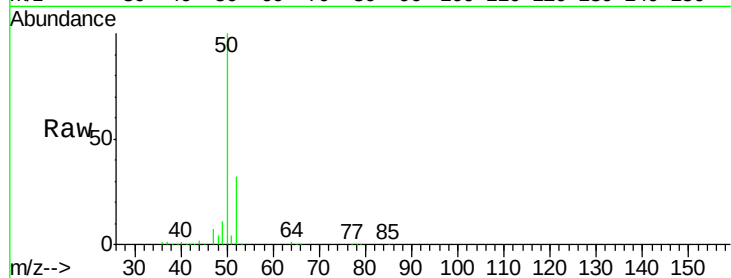
Tot Ion: 50 Resp: 575455

Ion Ratio Lower Upper

50 100

52 32.2 26.1 39.1

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Abundance Ion 50.00 (49.70 to 50.70): VU031511.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU031511.D (-1) (-)

1.32

600000

500000

400000

300000

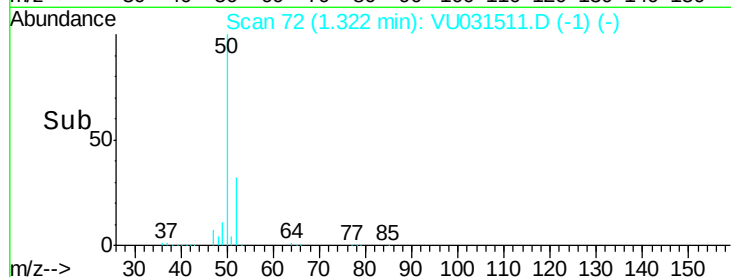
200000

100000

0

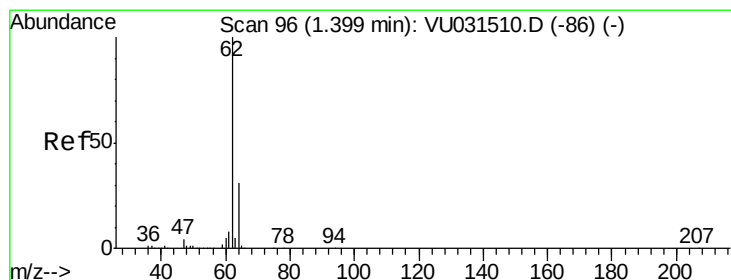
Time-->

1.25 1.30 1.35



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#4

Vinyl Chloride

Concen: 14.853 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031511.D

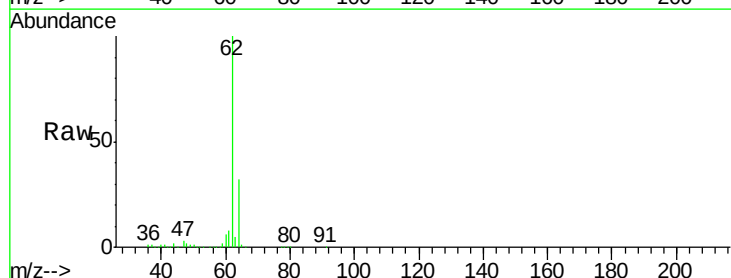
Acq: 25 Apr 2019 20:43

Tgt Ion: 62 Resp: 564852

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VU031511.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU031511.D (-1) (-)

1.40

600000

500000

400000

300000

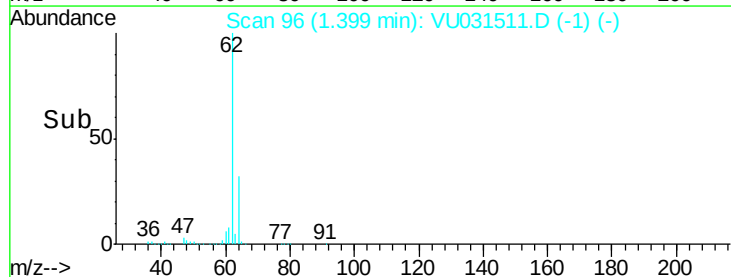
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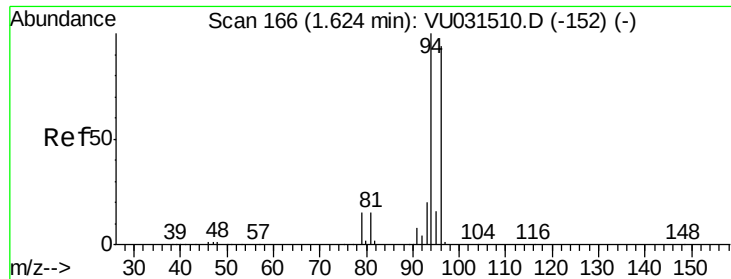
100000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 12.745 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

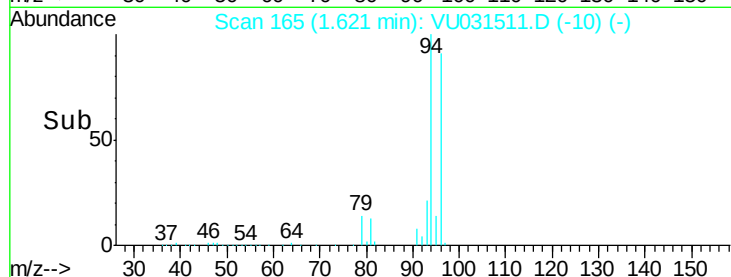
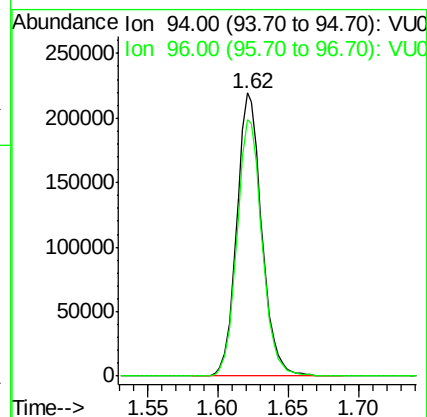
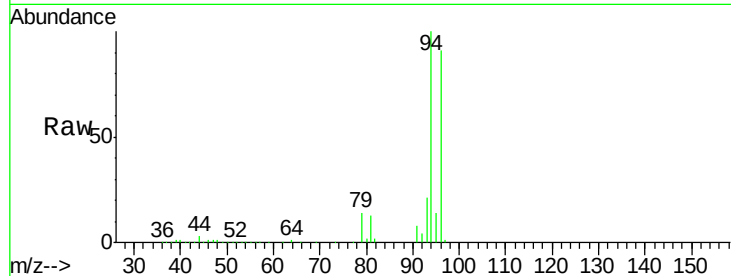
Tot Ion: 94 Resp: 272259

Ion Ratio Lower Upper

94 100

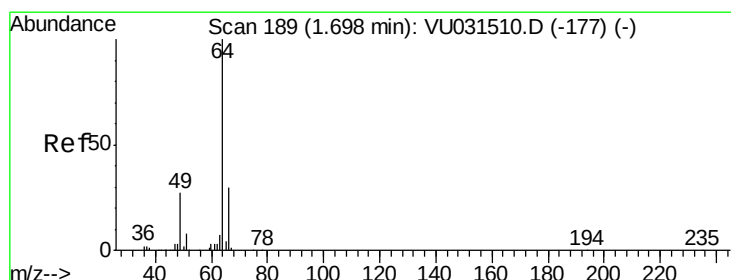
96 90.5 75.5 113.3

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#6

Chloroethane

Concen: 12.146 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU031511.D

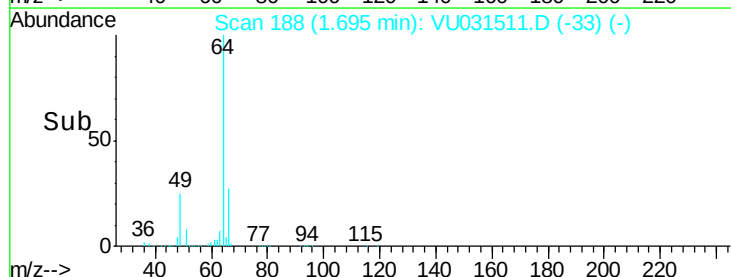
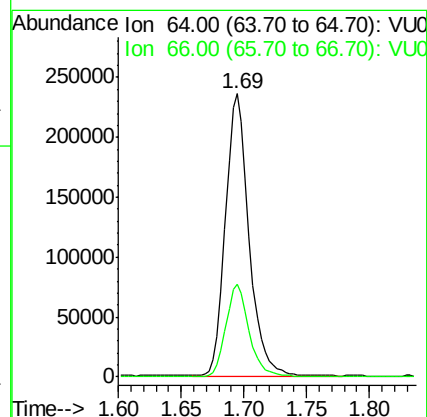
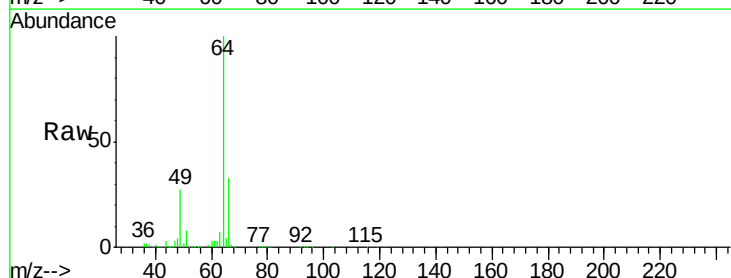
Acq: 25 Apr 2019 20:43

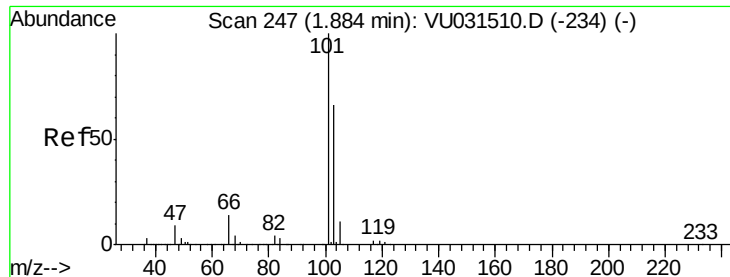
Tgt Ion: 64 Resp: 306979

Ion Ratio Lower Upper

64 100

66 32.8 24.3 36.5





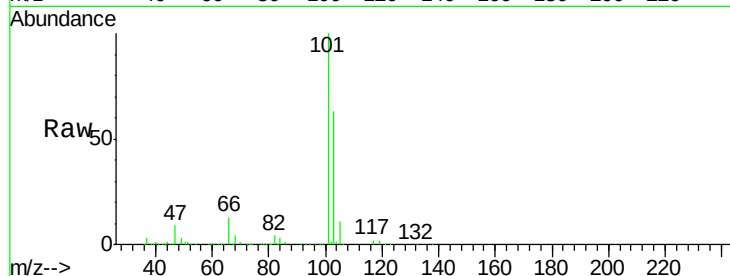
#7

Trichlorofluoromethane
Concen: 12.176 ug/l
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

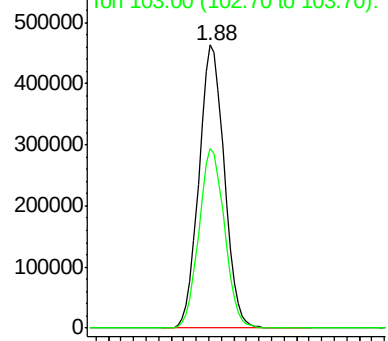
Instrument :
MSVOA_U
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		648921		
103	63.3	52.8	79.2		

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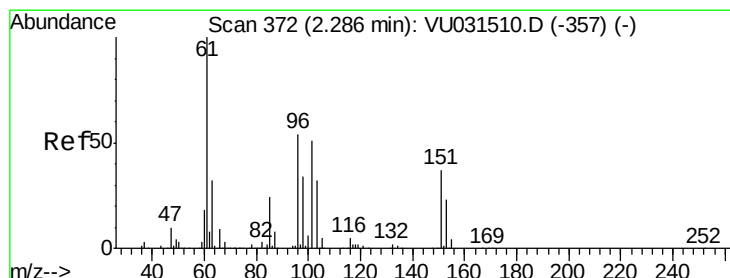
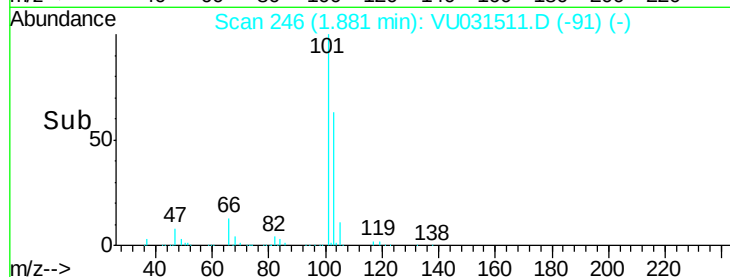


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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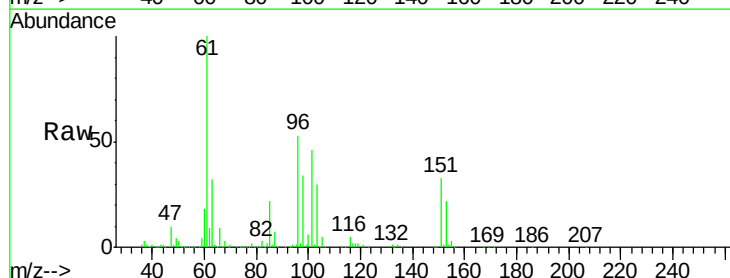
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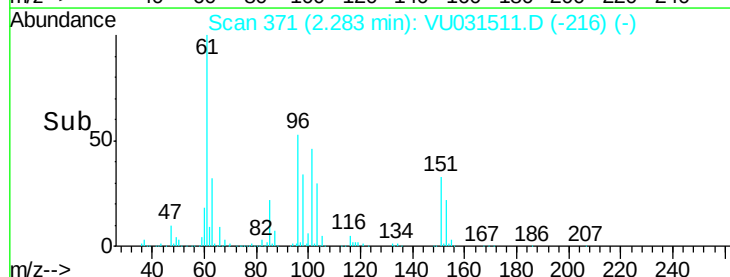
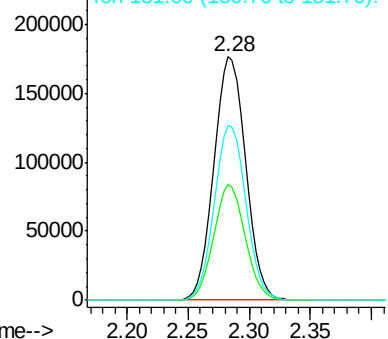
#8

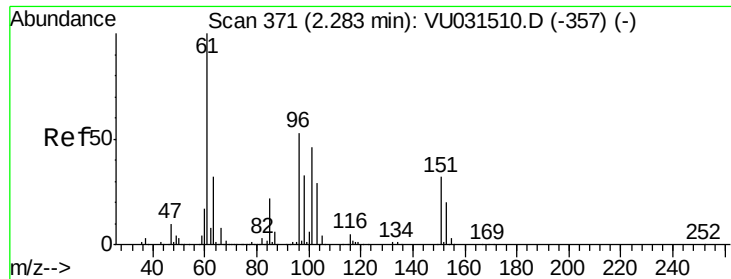
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.967 ug/l
RT: 2.28 min Scan# 371
Delta R.T. -0.00 min
Lab File: VU031511.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
101	100		316416		
85	46.8	37.8	56.6		
151	71.6	57.4	86.0		



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 12.048 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

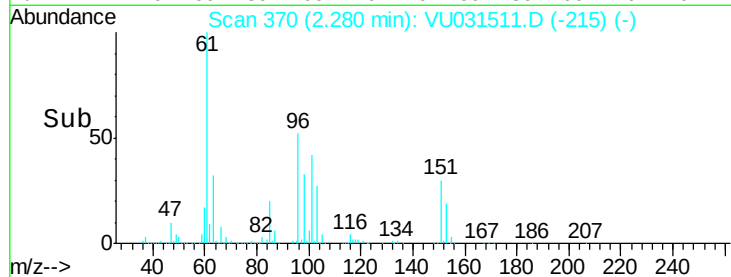
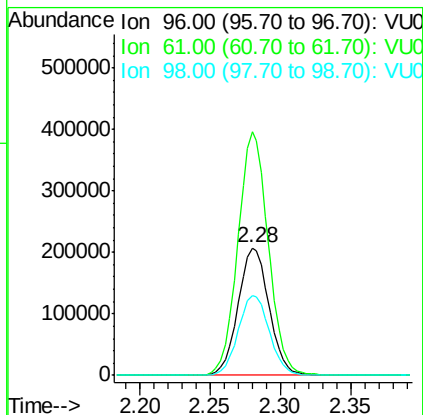
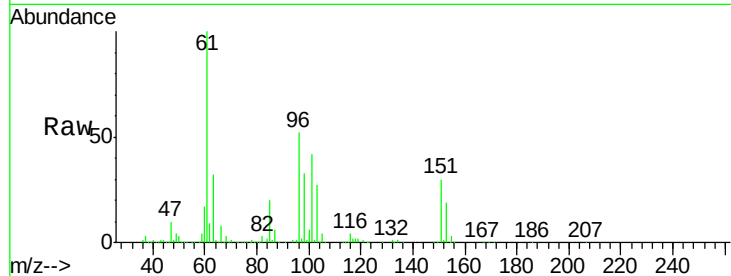
MSVOA_U

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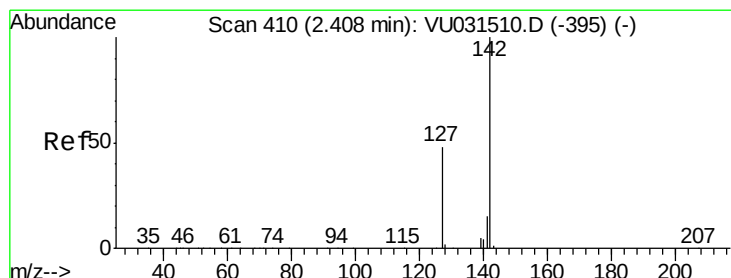
Tot Ion:	96	Resp:	318243
Ion	Ratio	Lower	Upper
96	100		
61	191.1	0.0	566.7
98	62.6	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 11.618 ug/l

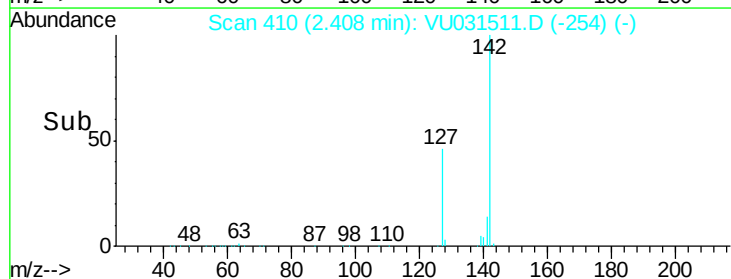
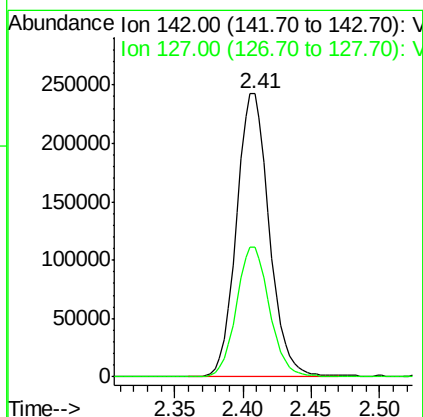
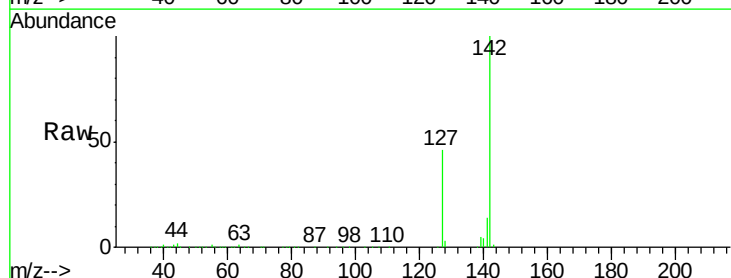
RT: 2.41 min Scan# 410

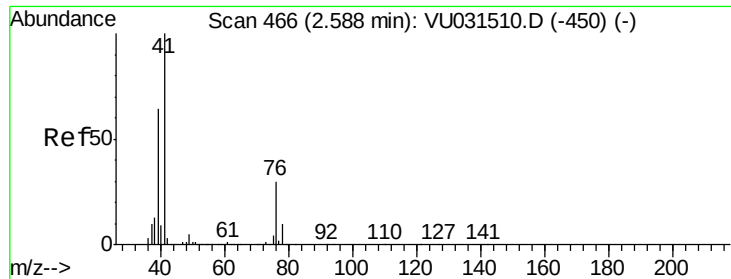
Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion:	142	Resp:	404361
Ion	Ratio	Lower	Upper
142	100		
127	46.6	38.2	57.2



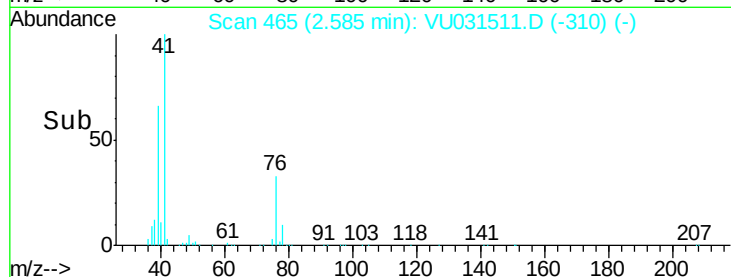
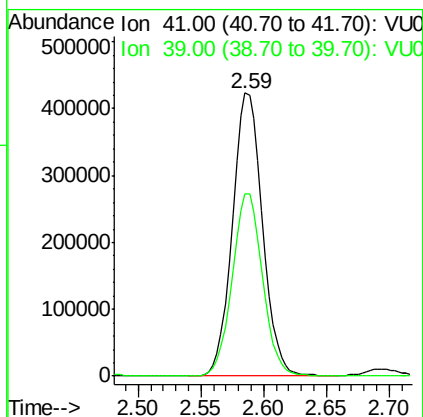
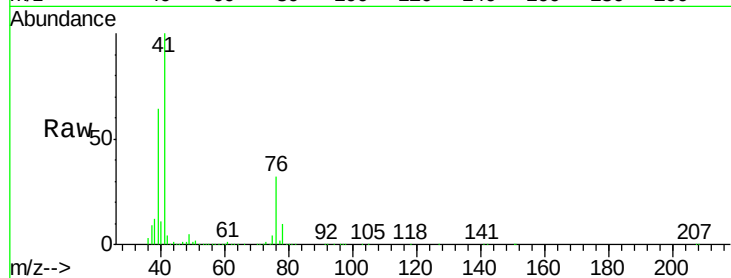


#11
Allvl Chloride
Concen: 13.350 ug/l
RT: 2.59 min Scan# 465
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

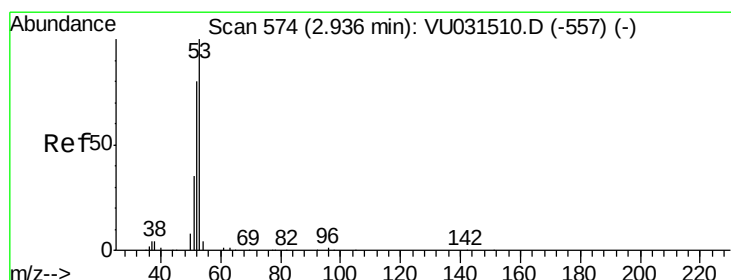
Tot Ion: 41 Resp: 700443
Ion Ratio Lower Upper
41 100
39 65.2 51.4 77.0

Manual Integrations
APPROVED



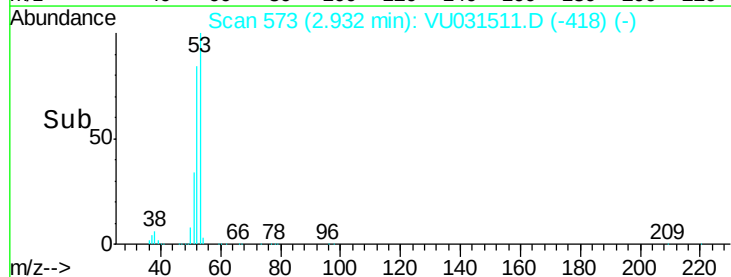
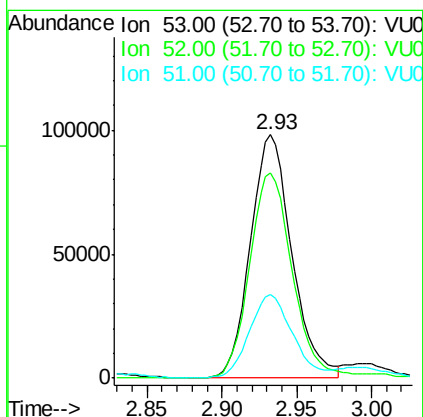
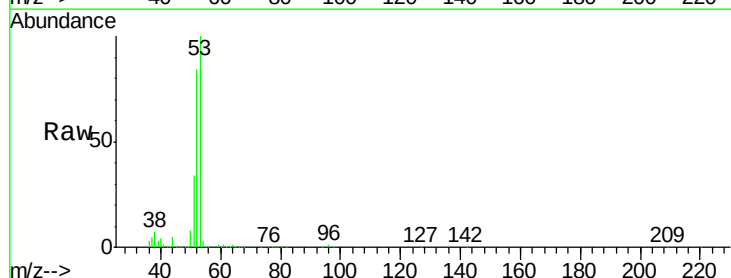
MMdadoda

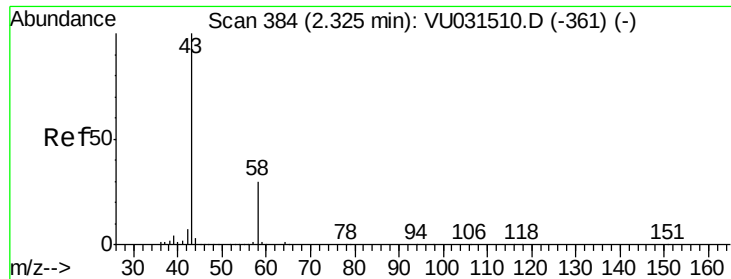
4/26/2019 12:22:46 PM



#12
Acrylonitrile
Concen: 24.702 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion: 53 Resp: 189322
Ion Ratio Lower Upper
53 100
52 88.0 69.4 104.0
51 35.5 27.5 41.3





#13

Acetone

Concen: 58.278 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

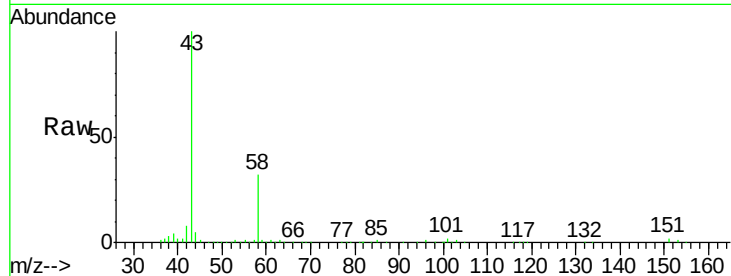
Tot Ion: 43 Resp: 407749

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1

Manual Integrations
APPROVED



Abundance Ion 43.00 (42.70 to 43.70): VU031511.D (-228) (-)

Ion 58.00 (57.70 to 58.70): VU031511.D (-228) (-)

2.32

250000

200000

150000

100000

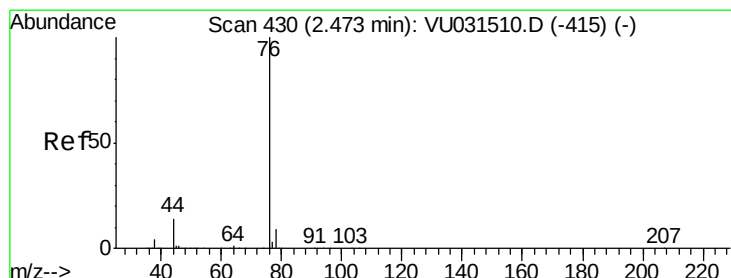
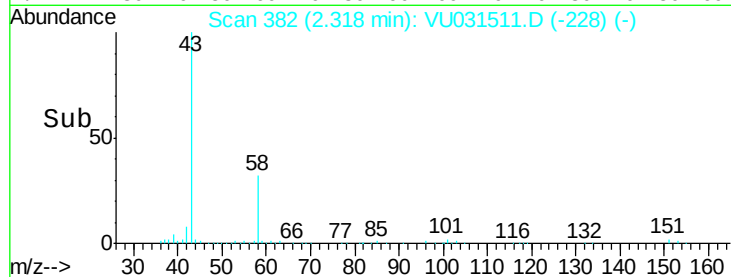
50000

0

Time--> 2.20 2.30 2.40

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#14

Carbon Disulfide

Concen: 12.443 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031511.D

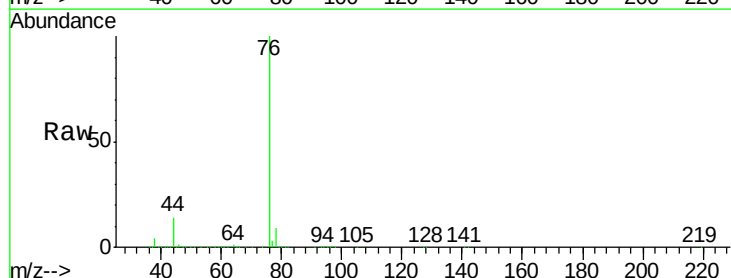
Acq: 25 Apr 2019 20:43

Tgt Ion: 76 Resp: 1218570

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU031511.D (-274) (-)

Ion 78.00 (77.70 to 78.70): VU031511.D (-274) (-)

2.47

800000

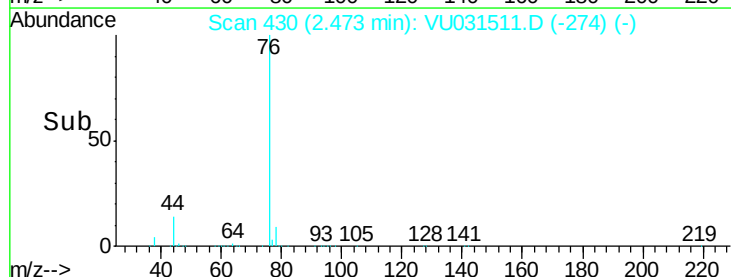
600000

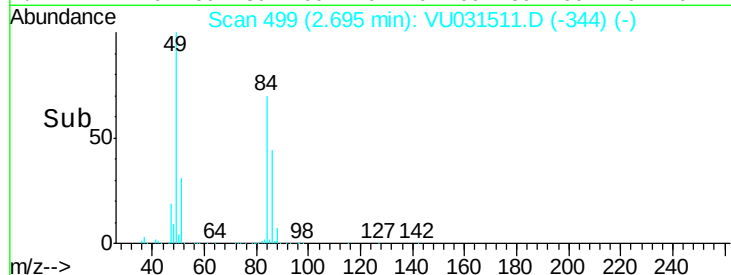
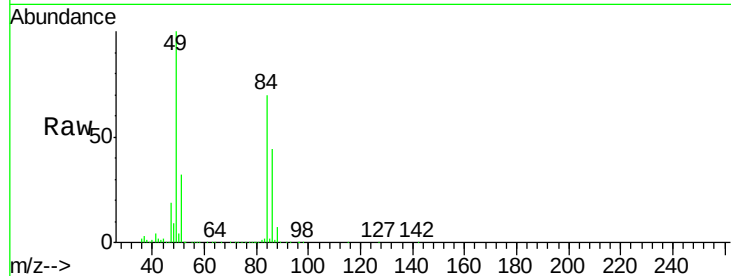
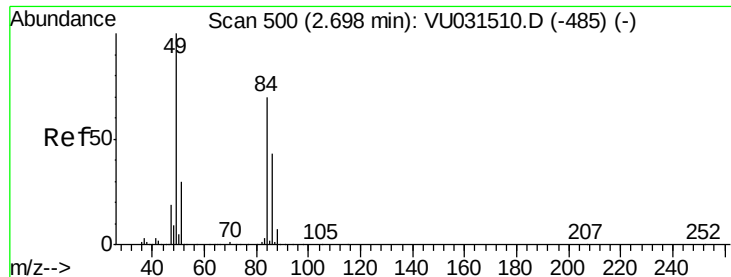
400000

200000

0

Time--> 2.40 2.45 2.50 2.55



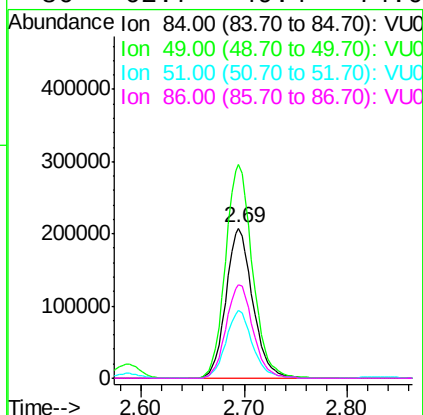


#15
Methylene Chloride
Concen: 11.049 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tot Ion:	84	Resp:	375282
Ion	Ratio	Lower	Upper
84	100		
49	142.2	113.6	170.4
51	45.0	0.0	85.6
86	62.7	49.4	74.0

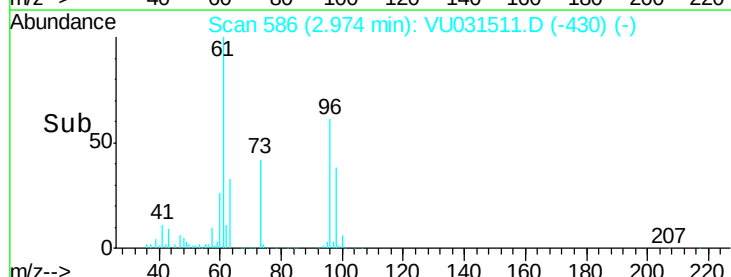
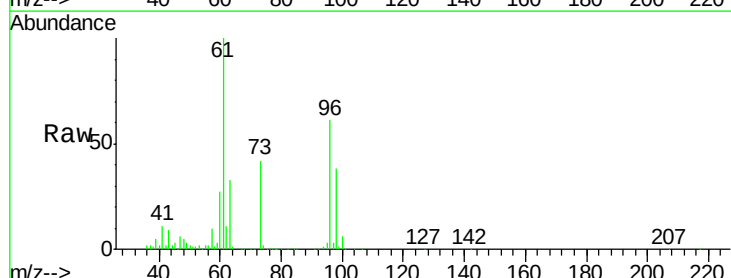
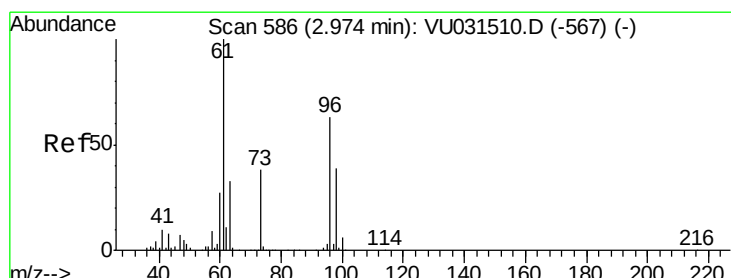
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED



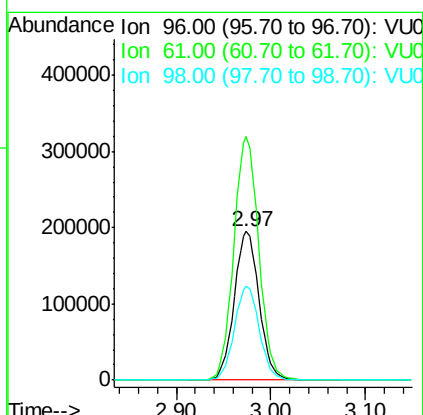
MMdadoda

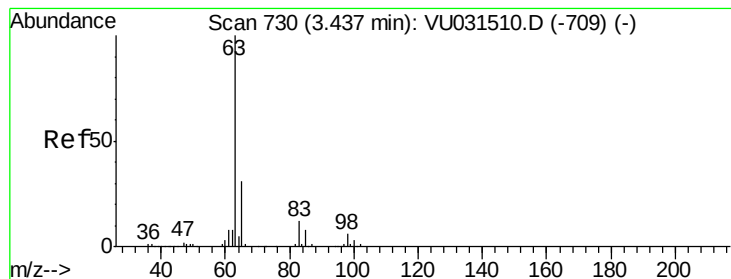
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#16
trans-1,2-Dichloroethene
Concen: 12.201 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion:	96	Resp:	356387
Ion	Ratio	Lower	Upper
96	100		
61	163.7	127.2	190.8
98	62.8	49.4	74.0





#17

1,1-Dichloroethane

Concen: 15.261 ug/l

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

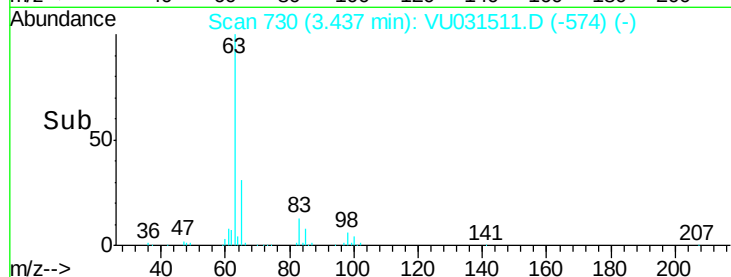
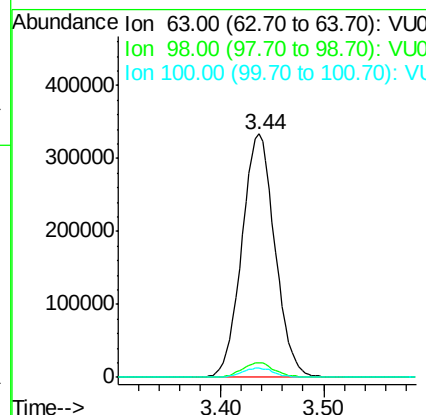
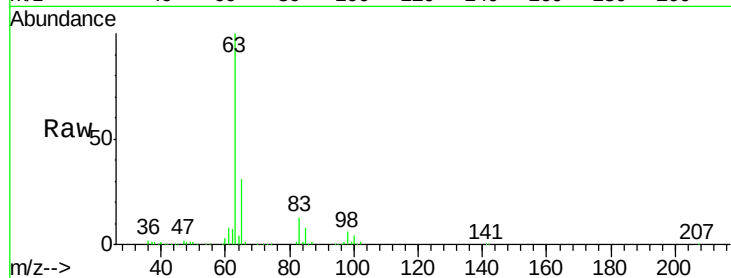
MSVOA_U

ClientSampleId :

VSTDIC015

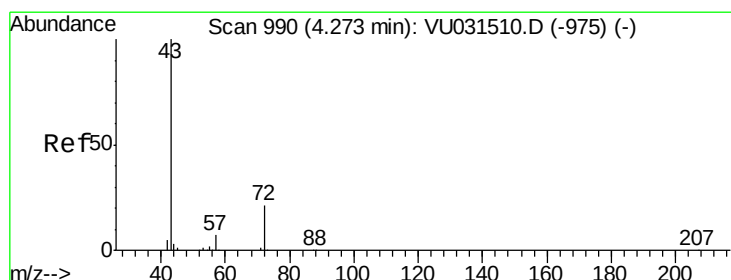
Tot Ion:	63	Resp:	743751
Ion Ratio	Lower	Upper	
63	100		
98	6.0	3.0	9.2
100	3.6	1.7	5.1

Manual Integrations
APPROVED



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#18

2-Butanone

Concen: 86.759 ug/l

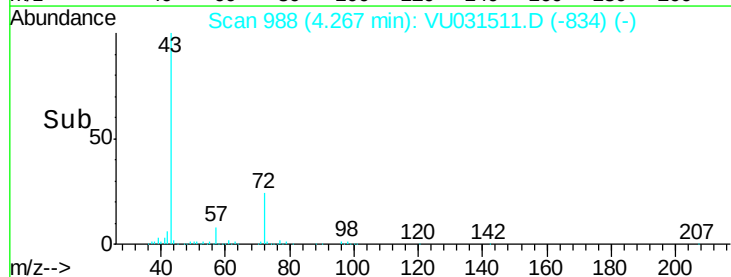
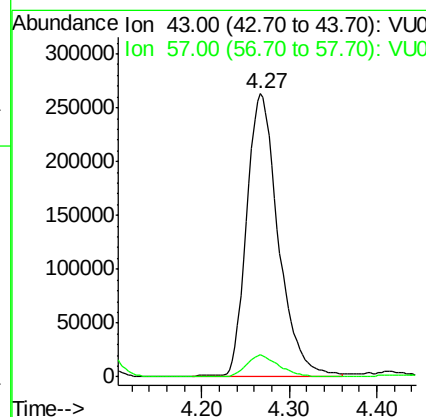
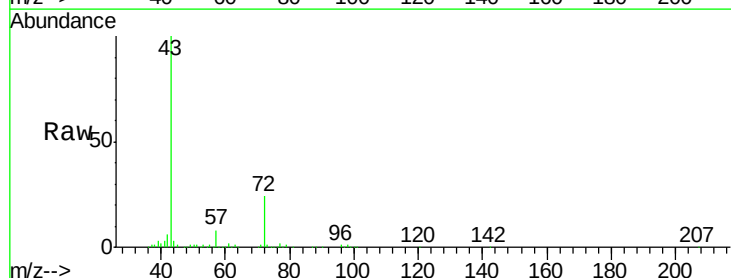
RT: 4.27 min Scan# 988

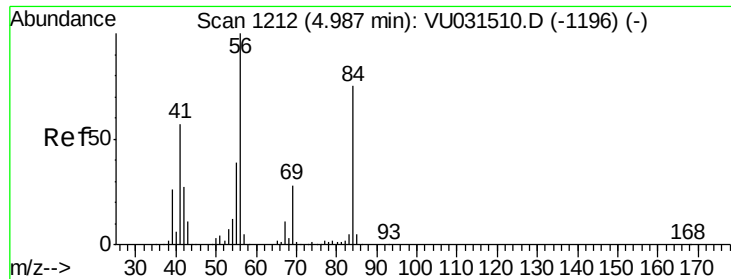
Delta R.T. -0.01 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion:	43	Resp:	656312
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	14.2



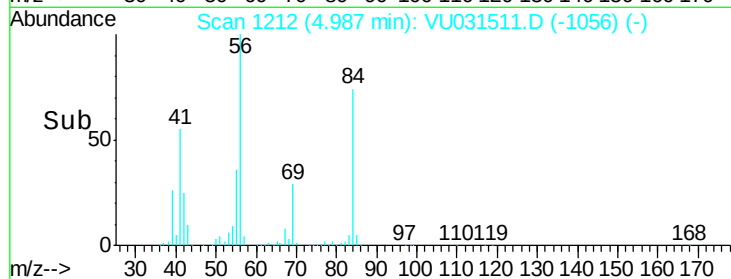
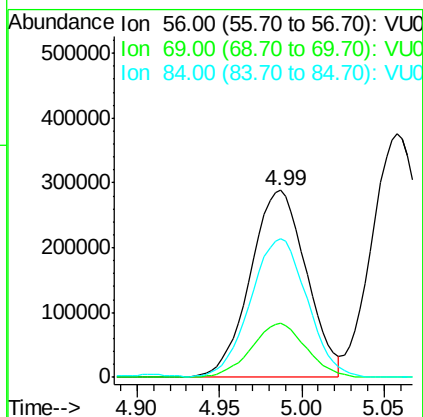
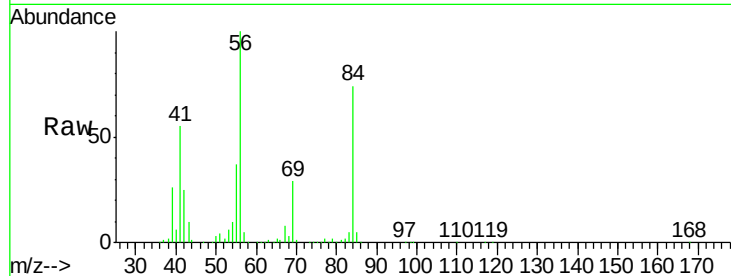


#19
Cyclohexane
Concen: 19.372 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

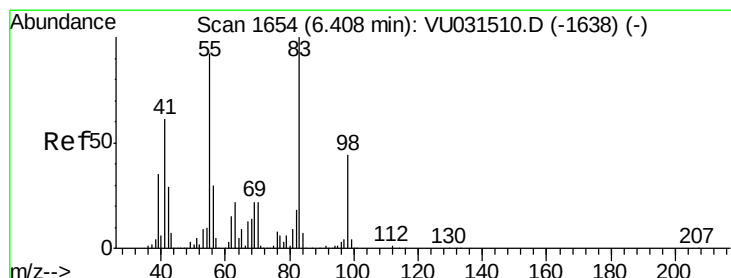
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.4	33.6
84	73.8	59.0	88.4

Manual Integrations
APPROVED



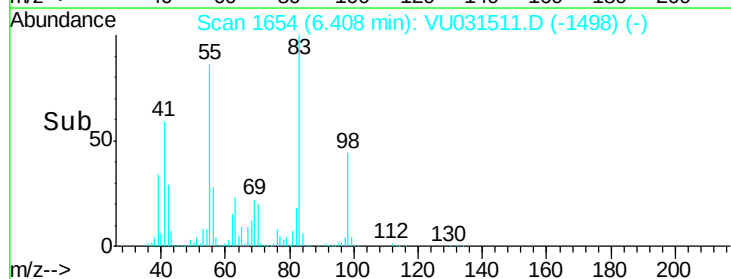
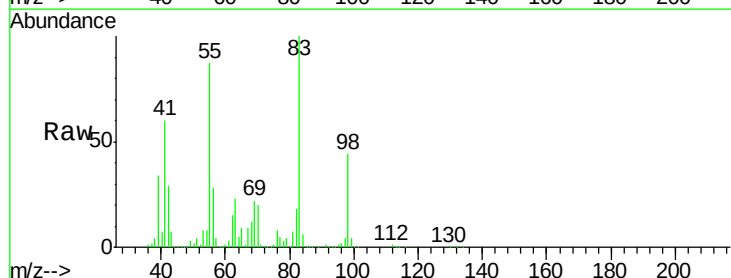
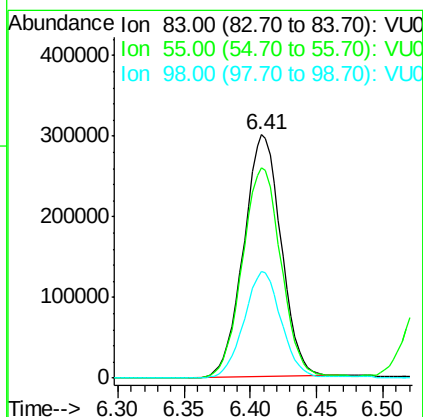
MMdadoda

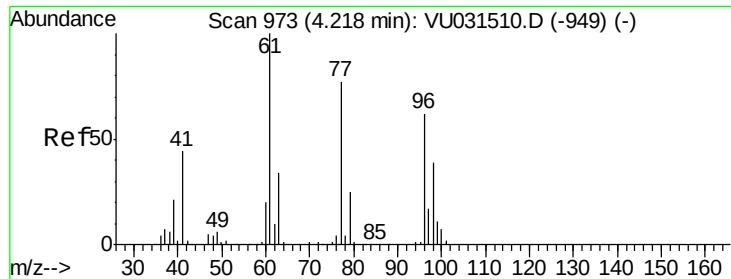
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#20
Methylcyclohexane
Concen: 17.377 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.9	73.7	110.5
98	43.2	35.2	52.8





#21

2,2-Dichloropropane

Concen: 14.453 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

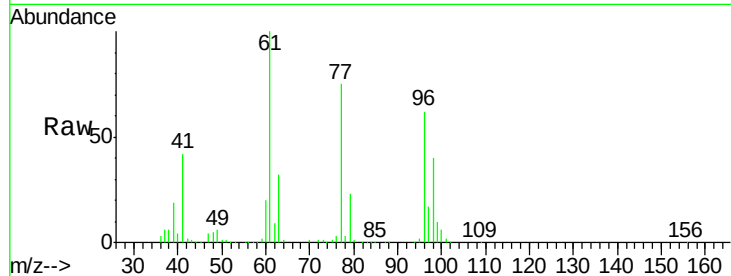
Tot Ion: 77 Resp: 537790

Ion Ratio Lower Upper

77 100

97 22.8 17.5 26.3

Manual Integrations
APPROVED



Abundance Ion 77.00 (76.70 to 77.70): VU031511.D (-817) (-)

Ion 97.00 (96.70 to 97.70): VU031511.D (-817) (-)

4.22

200000

150000

100000

50000

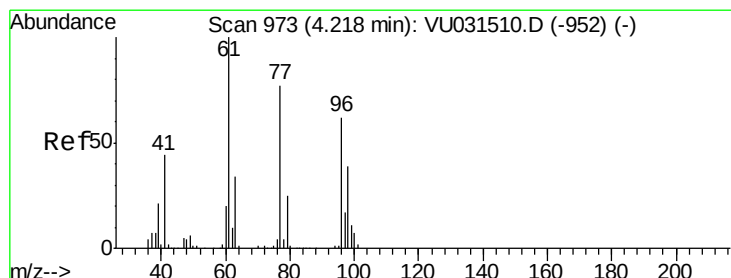
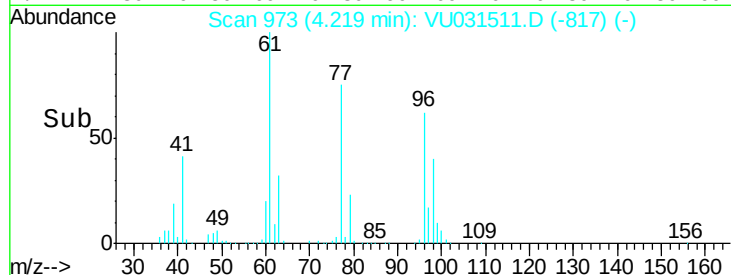
0

4.10 4.20 4.30

Time-->

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#22

cis-1,2-Dichloroethene

Concen: 15.045 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

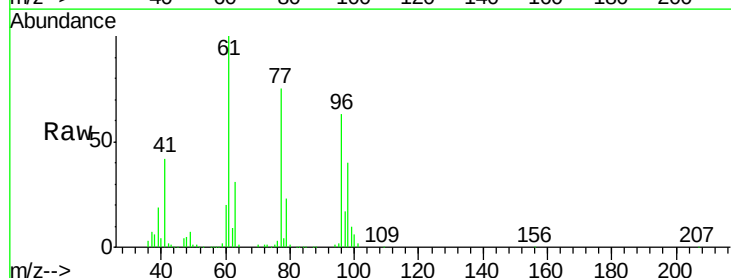
Tgt Ion: 96 Resp: 397382

Ion Ratio Lower Upper

96 100

61 163.6 0.0 408.8

98 64.4 31.1 93.3



Abundance Ion 96.00 (95.70 to 96.70): VU031511.D (-817) (-)

Ion 61.00 (60.70 to 61.70): VU031511.D (-817) (-)

Ion 98.00 (97.70 to 98.70): VU031511.D (-817) (-)

4.22

300000

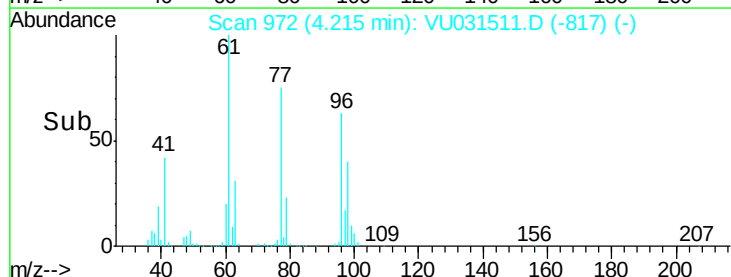
200000

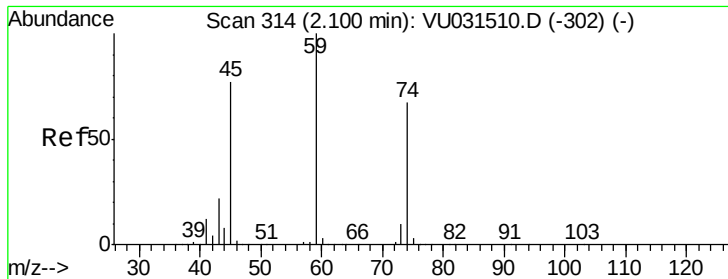
100000

0

4.10 4.20 4.30

Time-->



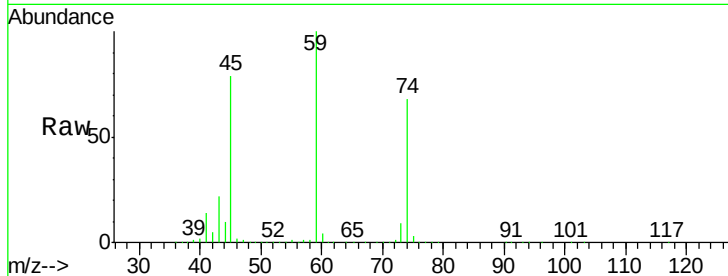


#23
Diethyl Ether
Concen: 12.719 ug/l
RT: 2.10 min Scan# 314
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

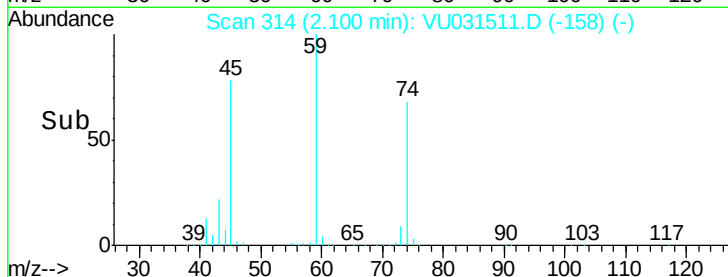
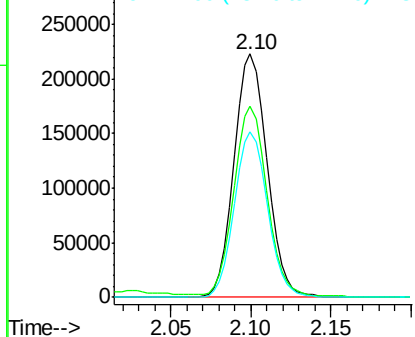
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.6	64.5	96.7
74	68.1	54.6	81.8

Manual Integrations
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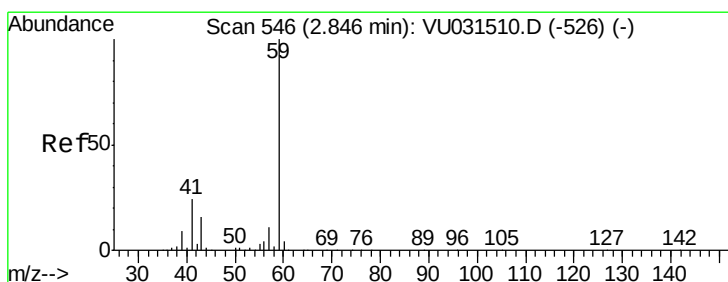


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0



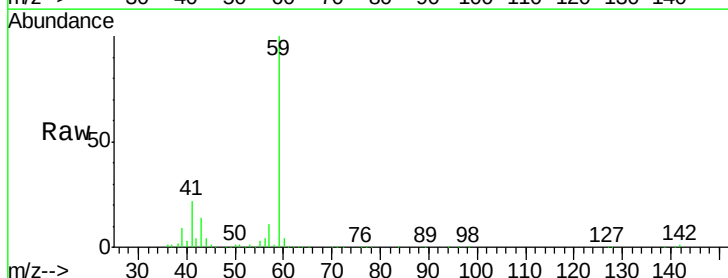
MMdadoda

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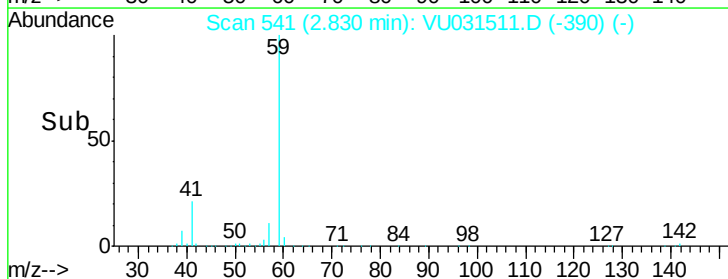
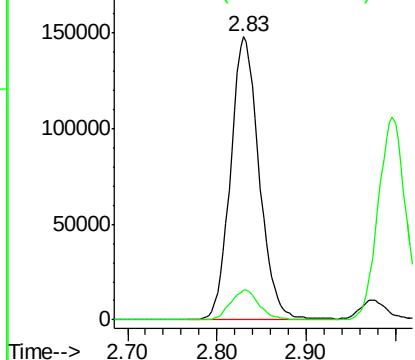


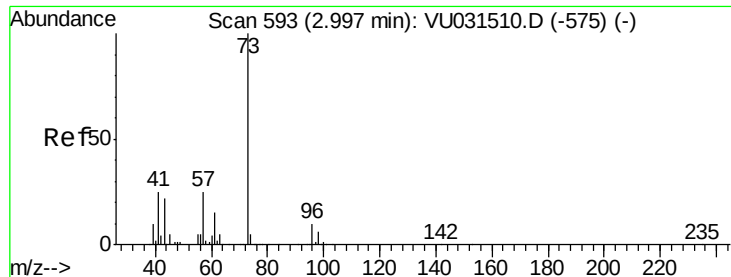
#24
tert-Butyl Alcohol
Concen: 126.496 ug/l
RT: 2.83 min Scan# 541
Delta R.T. -0.02 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





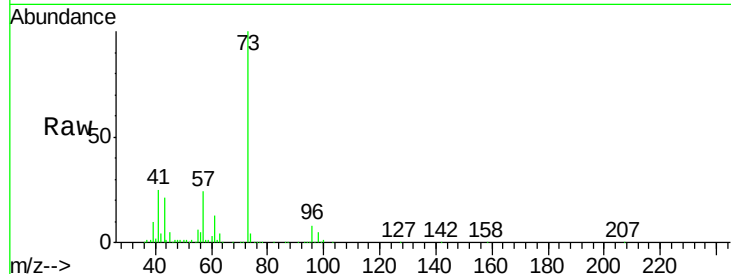
#25

Methyl tert-Butyl Ether
 Concen: 12.594 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

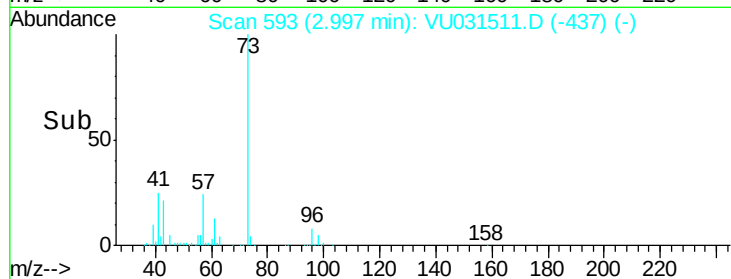
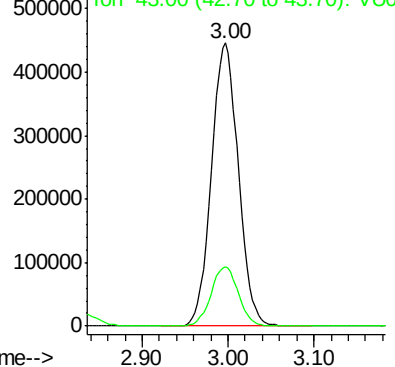
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.9	25.3

Manual Integrations
 APPROVED

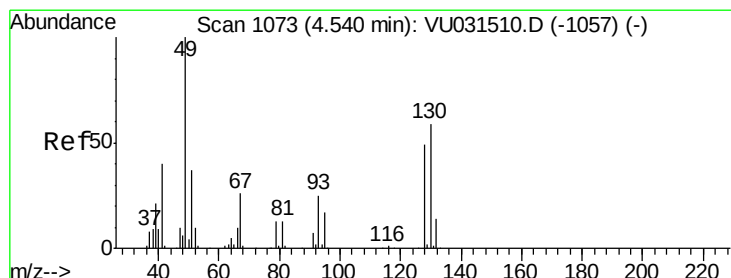


Abundance Ion 73.00 (72.70 to 73.70): VU031511.D (-437) (-)



MMdadoda

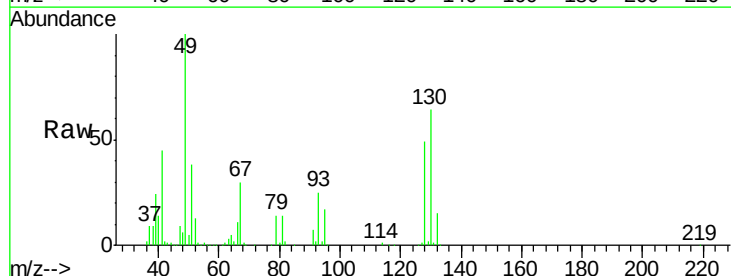
4/26/2019 12:22:46 PM



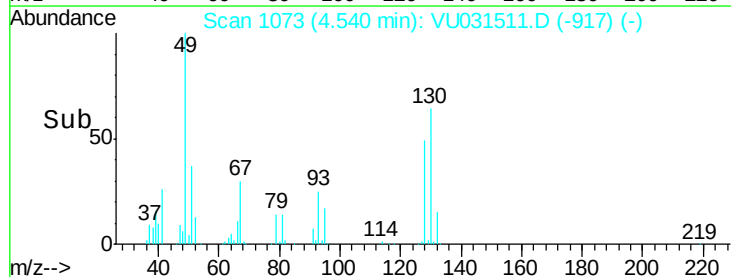
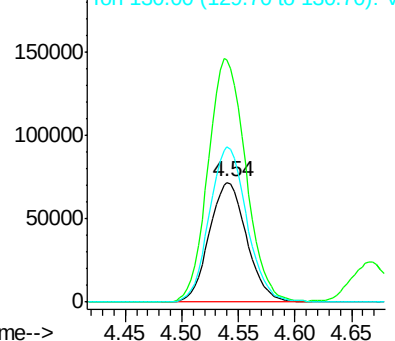
#26

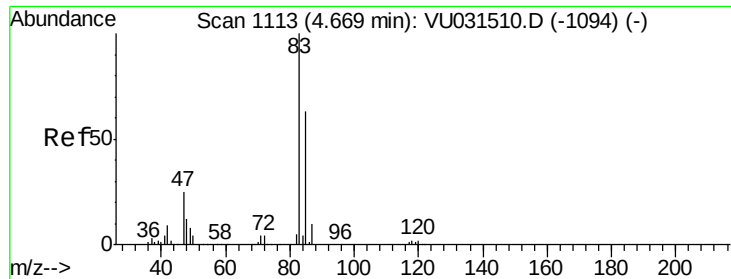
Bromochloromethane
 Concen: 13.966 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	204.8	0.0	407.2
130	129.7	101.4	152.2



Abundance Ion 128.00 (127.70 to 128.70): VU031511.D (-917) (-)



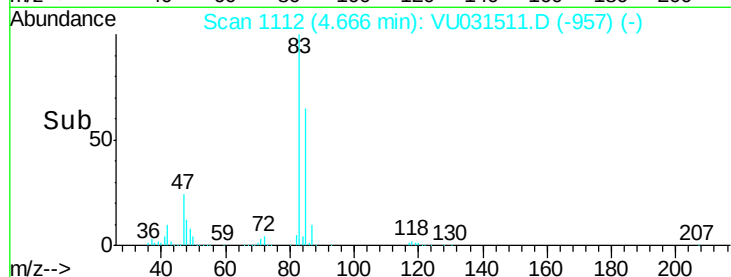
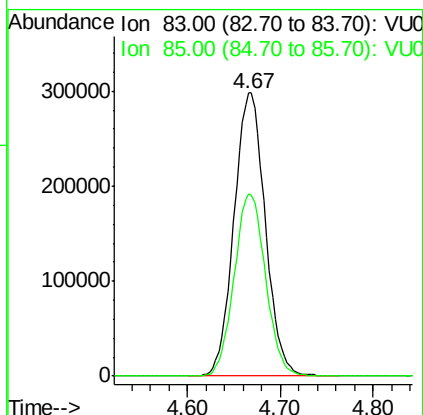
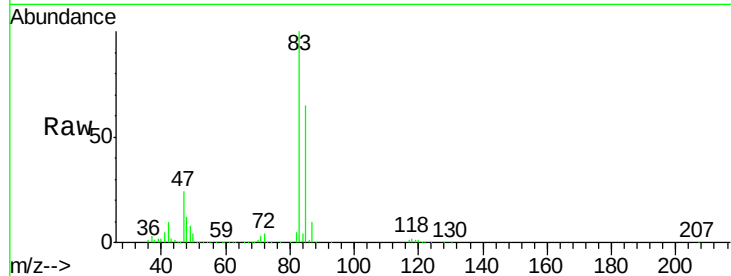


#27
Chloroform
Concen: 14.654 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

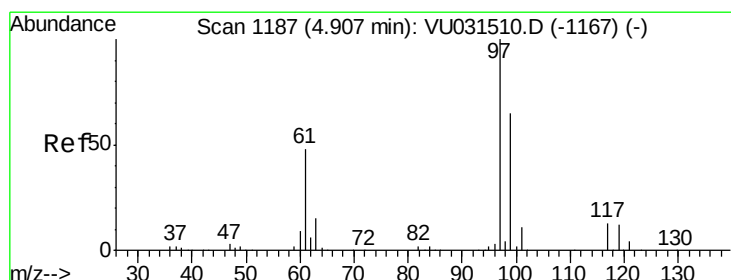
Tot Ion	83	85	Resp	Lower	Upper
83	100				
85	64.5		0.0	126.2	

Manual Integrations
APPROVED



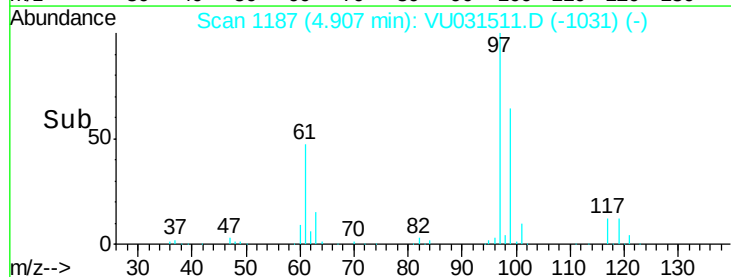
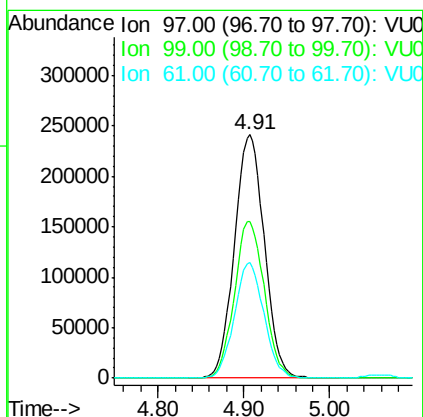
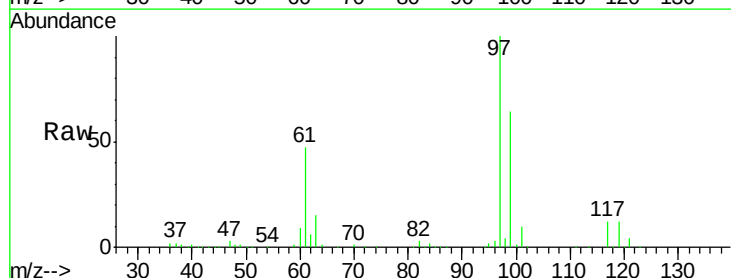
MMdadoda

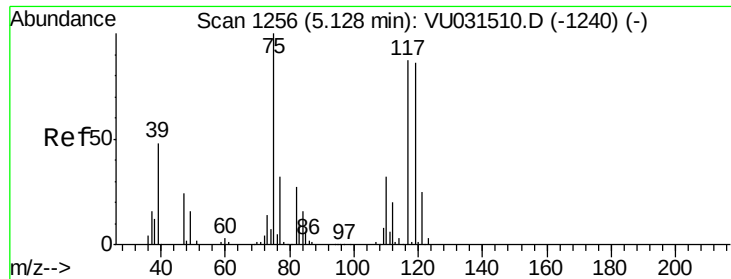
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#28
1,1,1-Trichloroethane
Concen: 14.492 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	97	99	61	Resp	Lower	Upper
97	100					
99	63.9			32.0	96.2	
61	46.7			24.0	72.0	





#29

1,1-Dichloropropene

Concen: 15.750 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

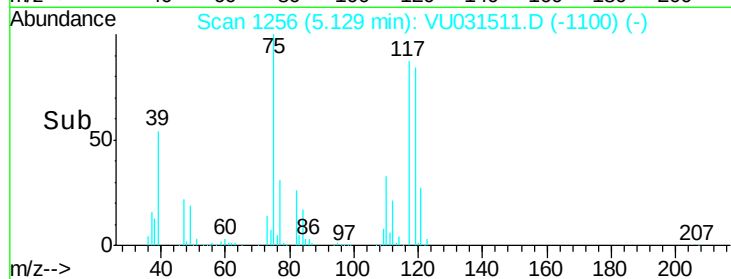
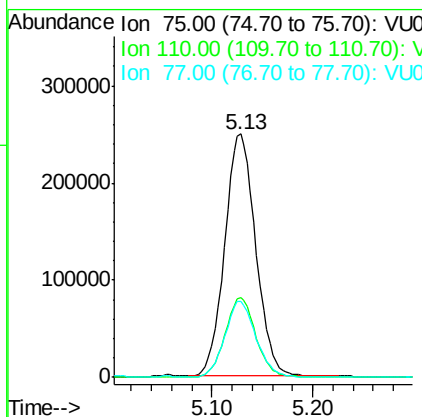
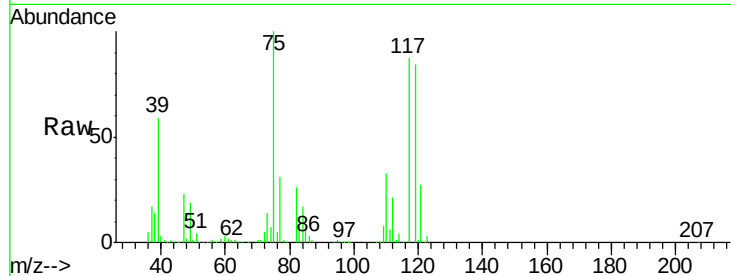
MSVOA_U

ClientSampleId :

VSTDIC015

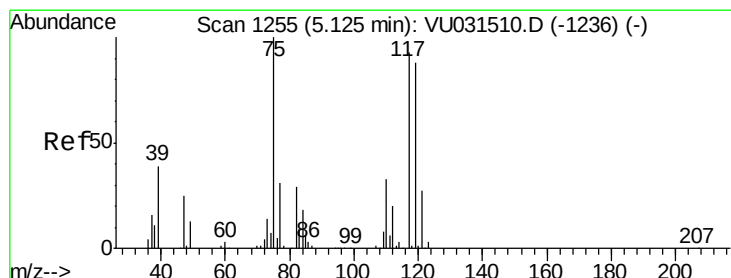
Tot Ion:	75	Resp:	534696
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.4	49.1
77	30.9	25.0	37.6

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 14.306 ug/l

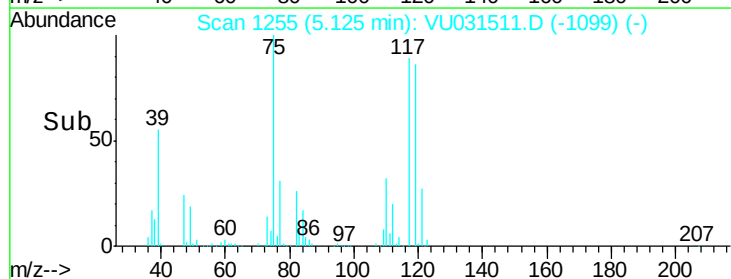
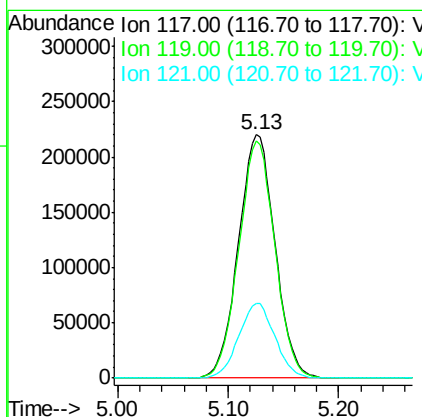
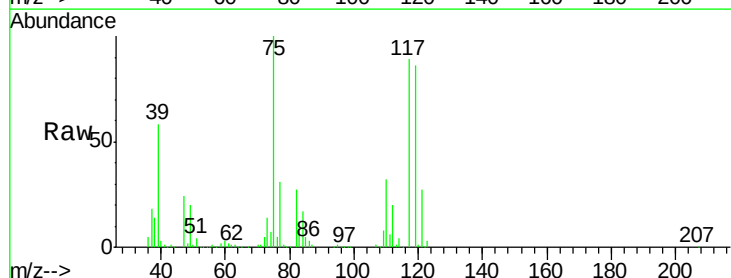
RT: 5.13 min Scan# 1255

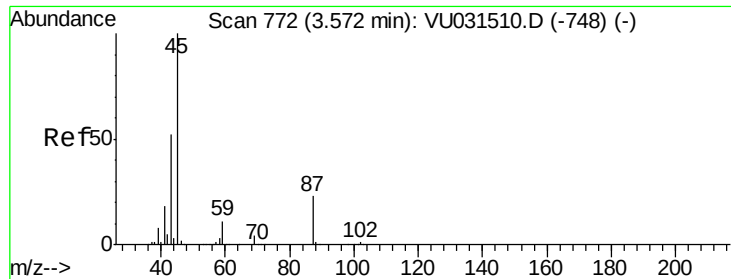
Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion:	117	Resp:	505643
Ion Ratio	Lower	Upper	
117	100		
119	97.3	76.1	114.1
121	30.9	23.3	34.9



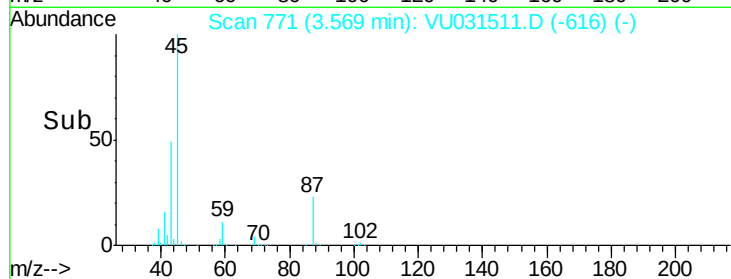
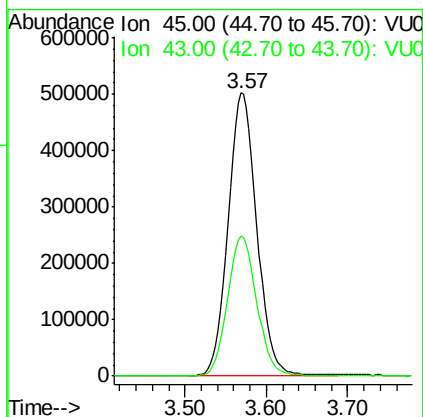
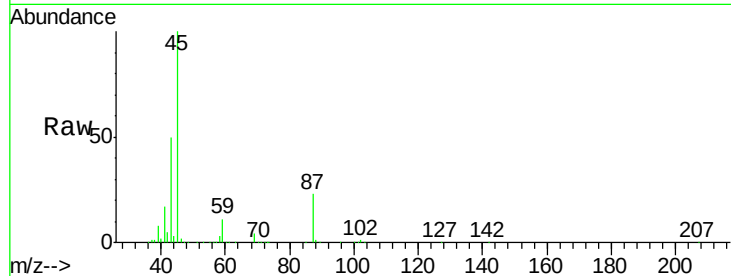


#31
Isopropyl Ether
Concen: 17.186 ug/l
RT: 3.57 min Scan# 771
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

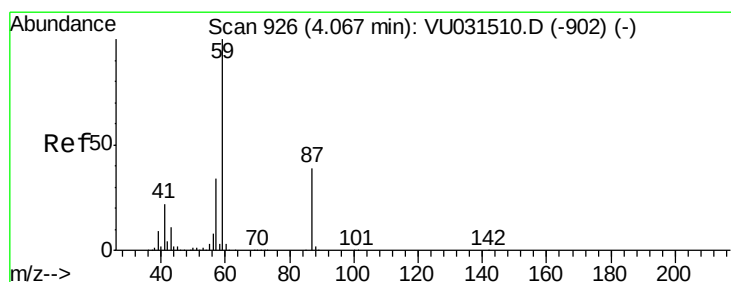
Tot Ion: 45 Resp: 1241051
Ion Ratio Lower Upper
45 100
43 50.4 26.0 78.0

Manual Integrations
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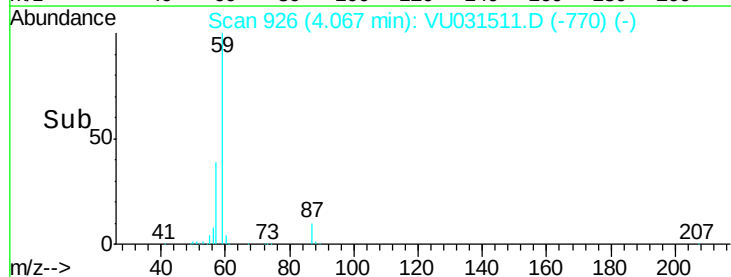
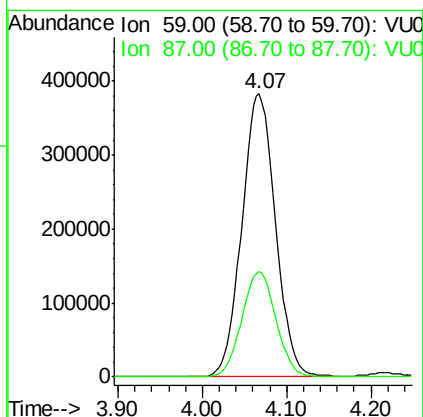
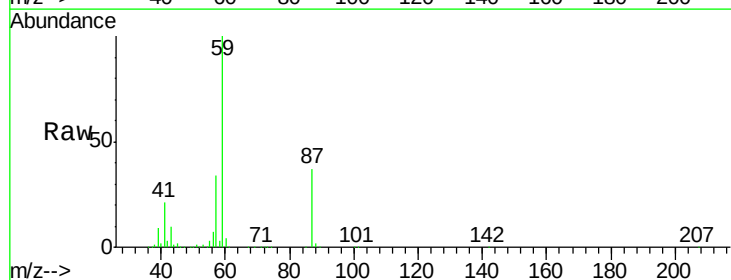
MMdadoda

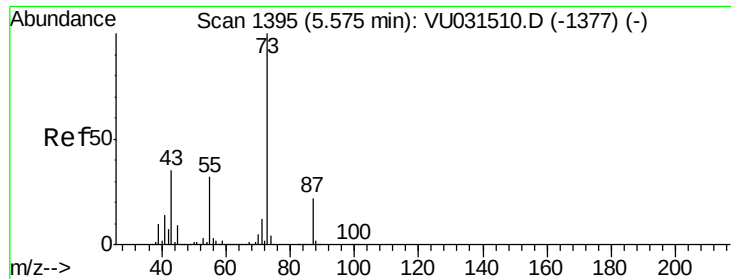
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#32
Ethyl-t-butyl ether
Concen: 17.389 ug/l
RT: 4.07 min Scan# 926
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion: 59 Resp: 1055094
Ion Ratio Lower Upper
59 100
87 37.7 29.9 44.9



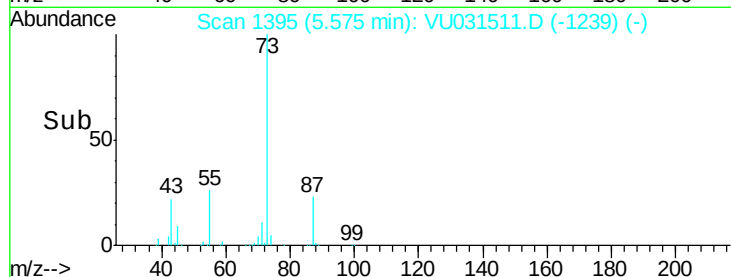
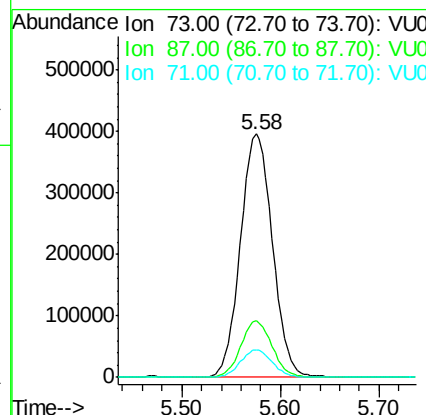
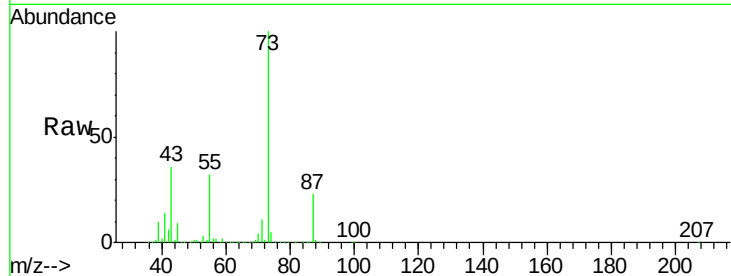


#33
Tert-Butyl methyl ether
Concen: 17.163 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

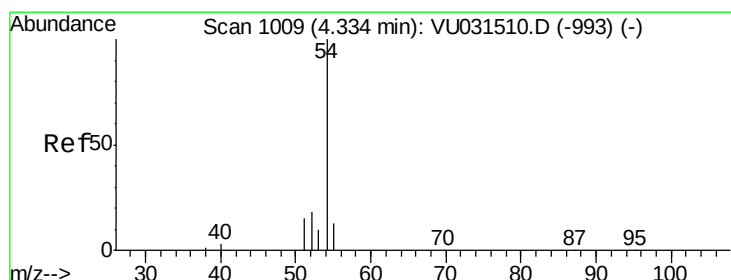
Tot Ion	Ratio	Lower	Upper
73	100		
87	22.6	18.2	27.2
71	11.3	9.0	13.6

Manual Integrations
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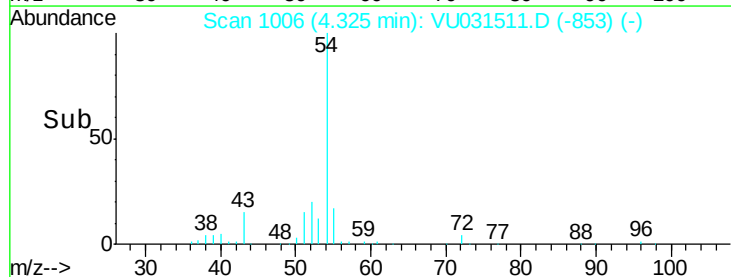
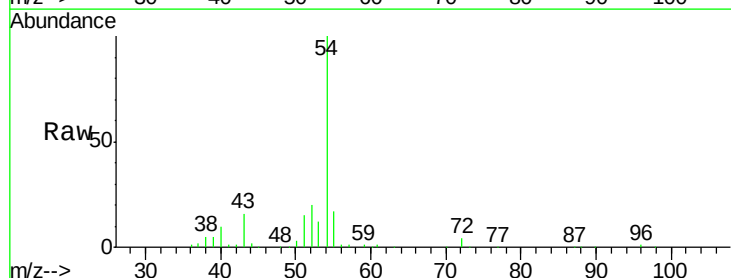
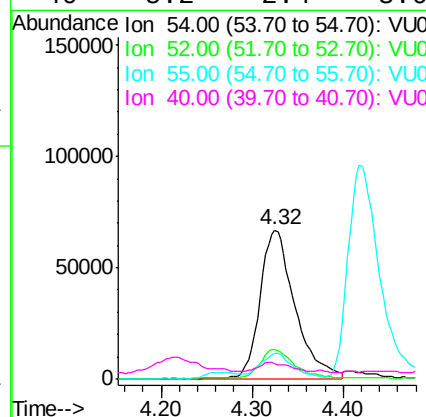
MMdadoda

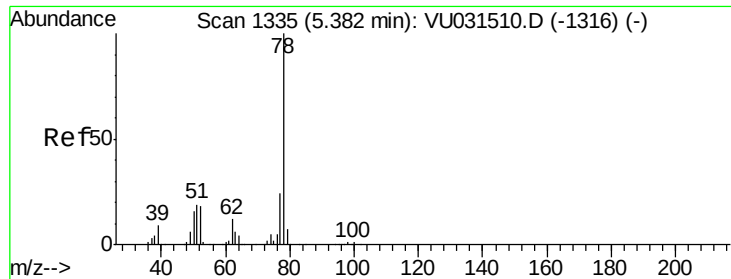
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#34
Propionitrile
Concen: 86.140 ug/l
RT: 4.32 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.9	15.0	22.4
55	14.2	13.5	20.3
40	5.2	2.4	3.6





#35

Benzene

Concen: 15.523 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 1553371

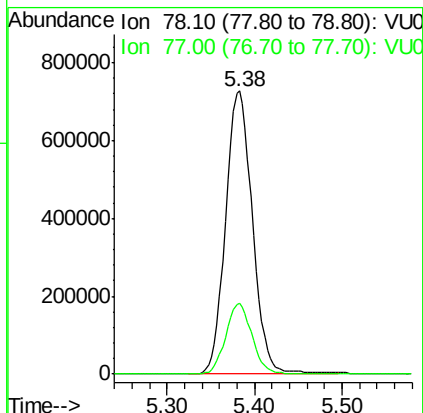
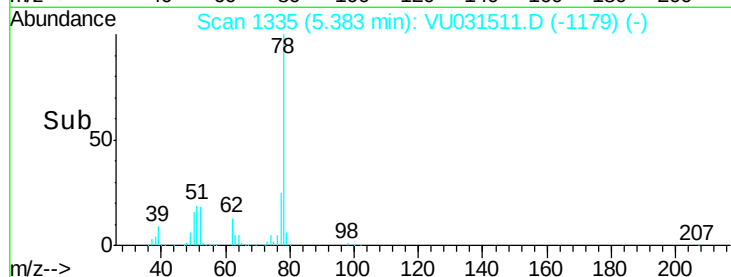
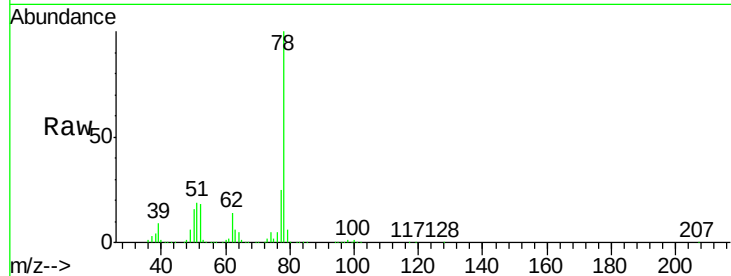
Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8

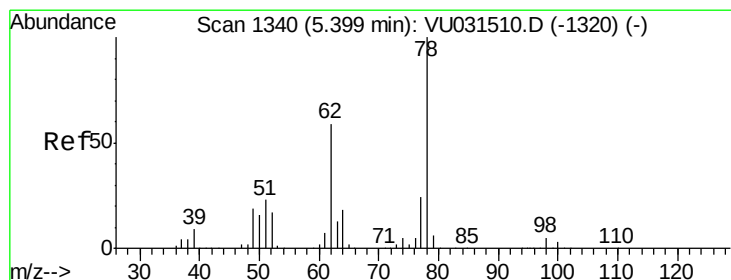
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 14.816 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU031511.D

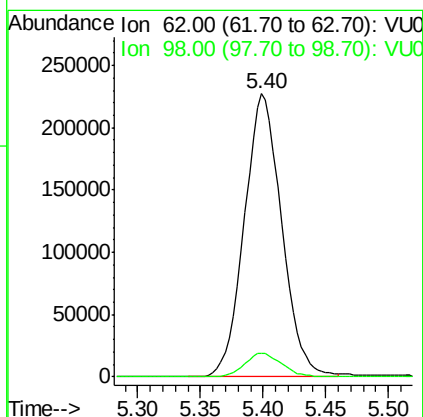
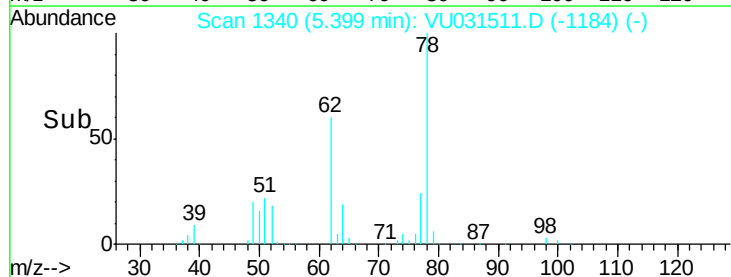
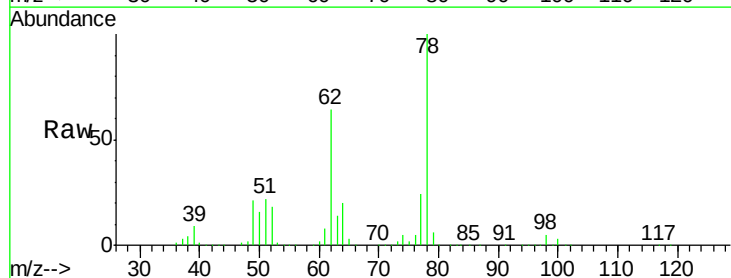
Acq: 25 Apr 2019 20:43

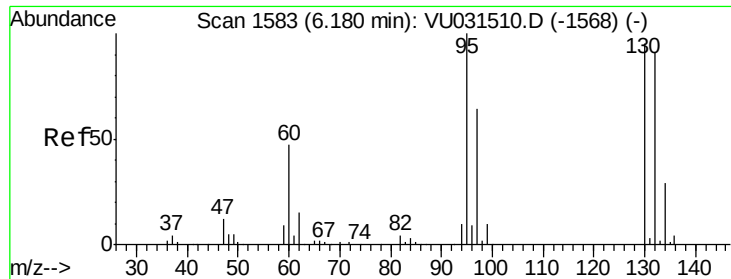
Tgt Ion: 62 Resp: 472469

Ion Ratio Lower Upper

62 100

98 8.4 6.7 10.1





#37

Trichloroethene

Concen: 13.093 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

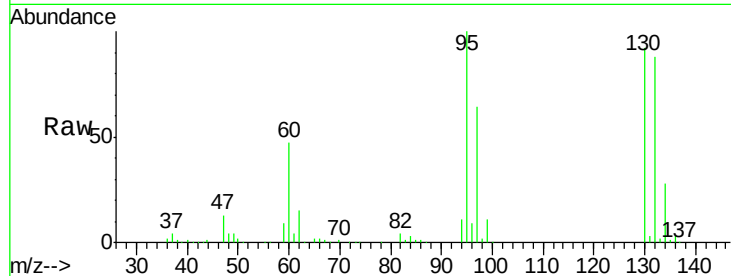
Tot Ion:130 Resp: 361788

Ion Ratio Lower Upper

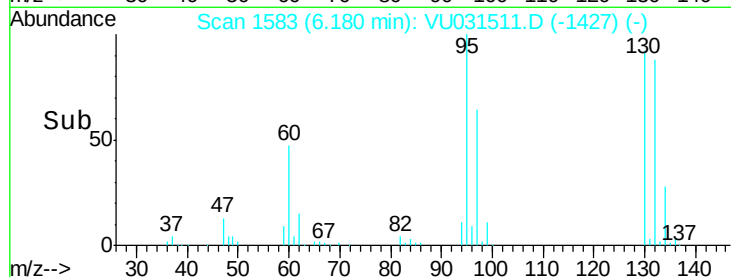
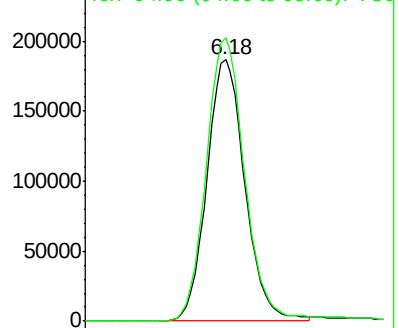
130 100

95 108.3 83.8 125.8

Manual Integrations
APPROVED

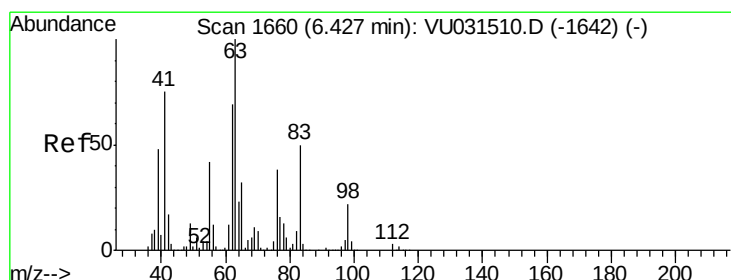


Abundance Ion 129.90 (129.60 to 130.60): VU031511.D (-1427) (-)



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#38

1,2-Dichloropropane

Concen: 16.165 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031511.D

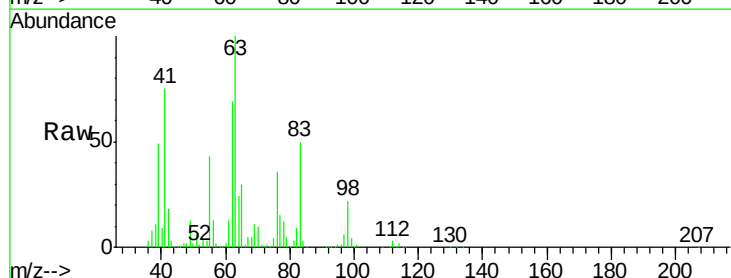
Acq: 25 Apr 2019 20:43

Tgt Ion: 63 Resp: 433507

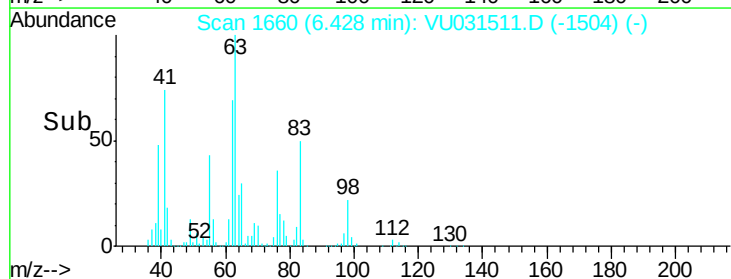
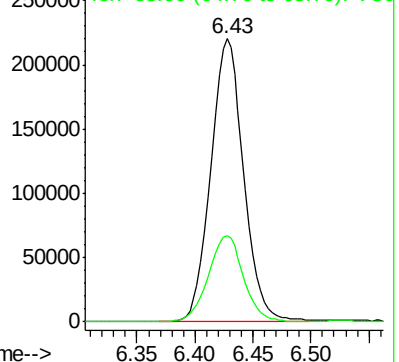
Ion Ratio Lower Upper

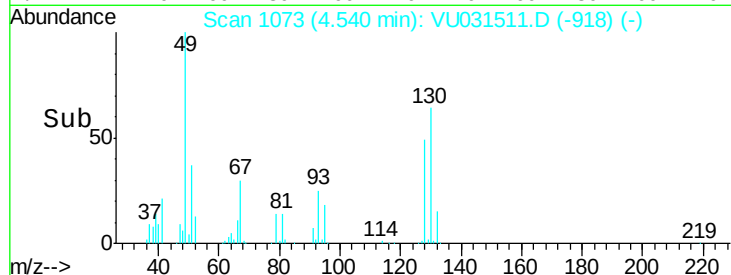
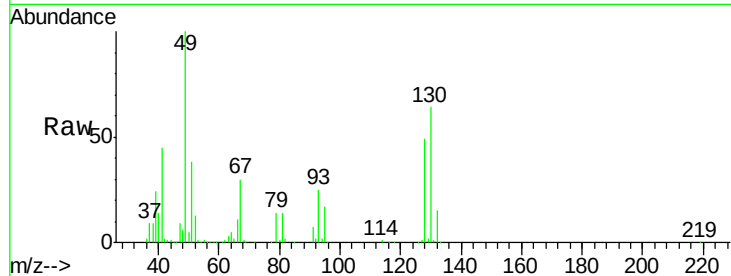
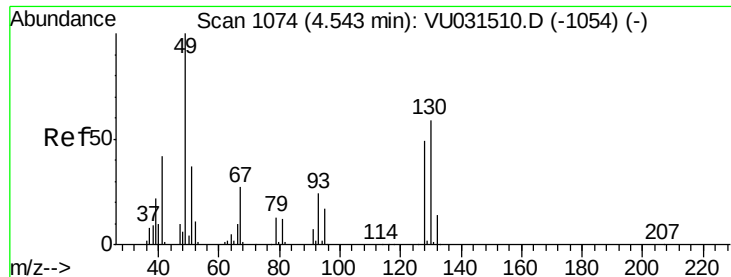
63 100

65 30.4 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU031511.D (-1504) (-)



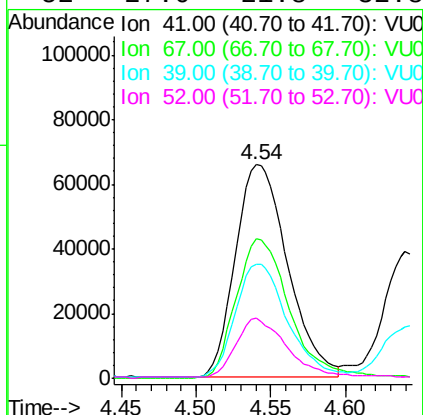


#39
Methacrylonitrile
Concen: 17.052 ug/l
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tot Ion	41	Resp	159509
Ion	Ratio	Lower	Upper
41	100		
67	67.8	54.2	81.4
39	53.5	43.8	65.8
52	27.0	21.8	32.8

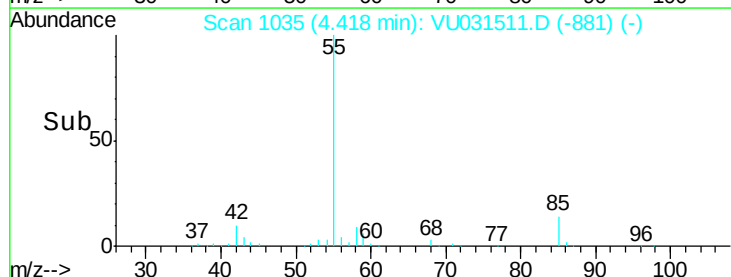
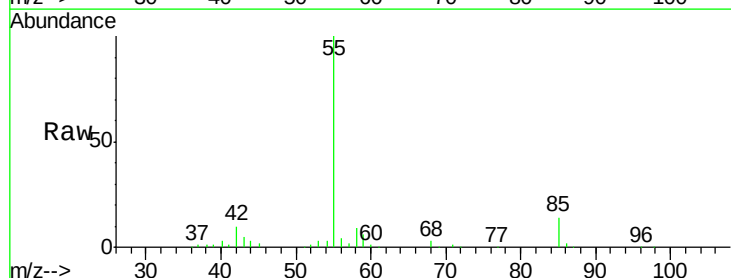
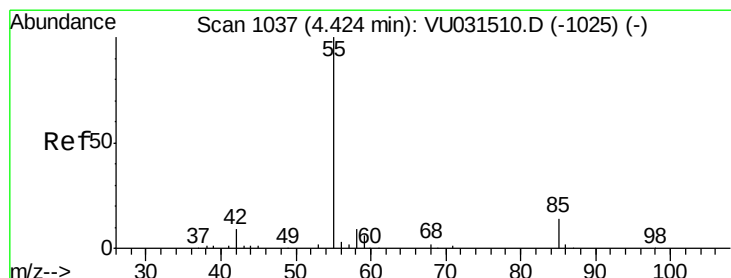
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

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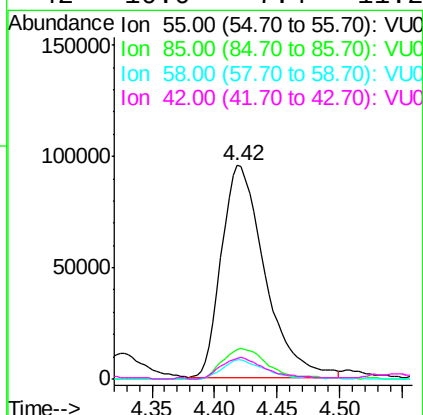
MMdadoda

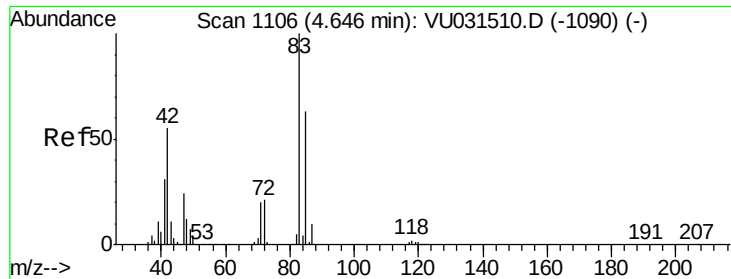
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#40
Methyl acrylate
Concen: 18.936 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	55	Resp	228562
Ion	Ratio	Lower	Upper
55	100		
85	14.9	11.5	17.3
58	8.6	6.5	9.7
42	10.0	7.4	11.2



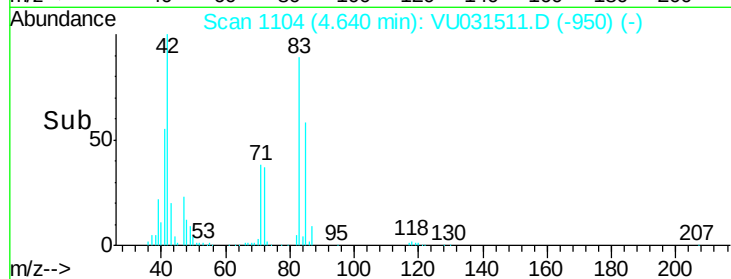
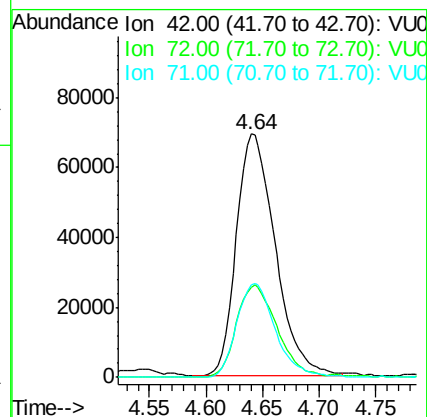
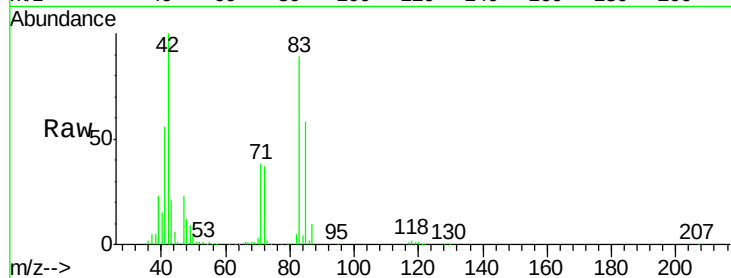


#41
Tetrahydrofuran
Concen: 34.970 ug/l
RT: 4.64 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

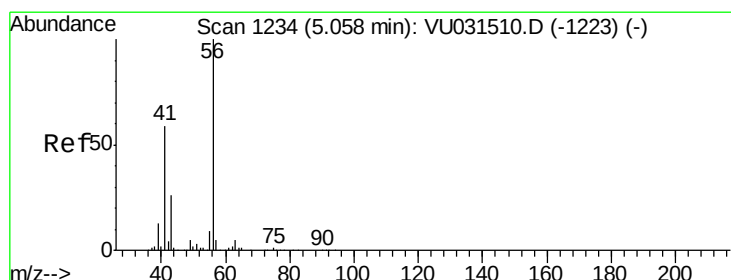
Tot Ion	Ratio	Resp	Lower	Upper
42	100	166796		
72	38.7		32.1	48.1
71	38.3		29.2	43.8

Manual Integrations
APPROVED



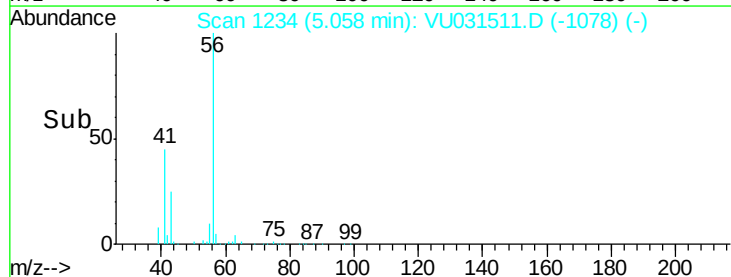
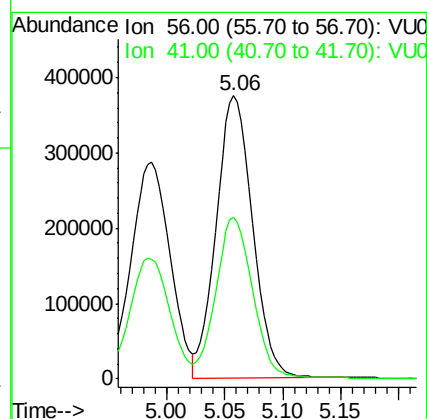
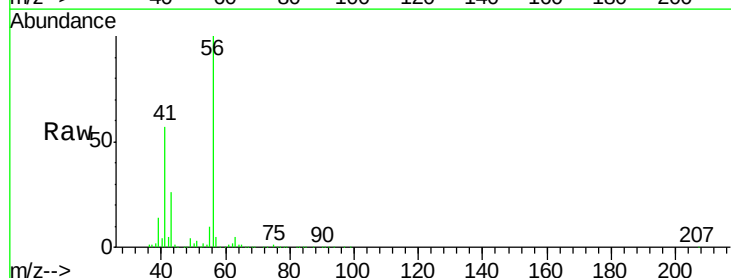
MMdadoda

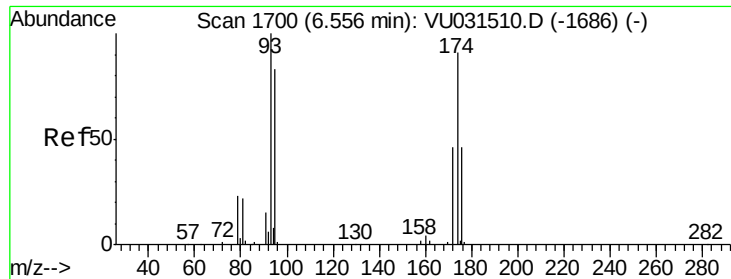
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#42
1-Chlorobutane
Concen: 16.854 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	818578		
41	56.2		29.3	88.0





#43

Dibromomethane

Concen: 14.243 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

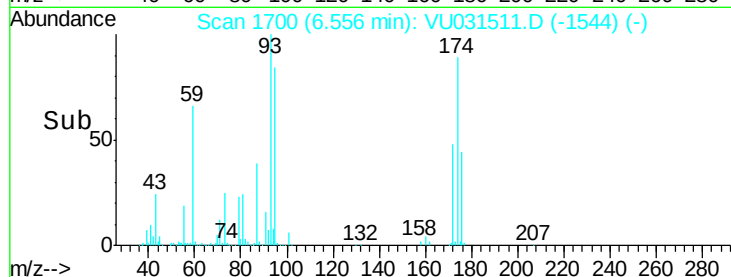
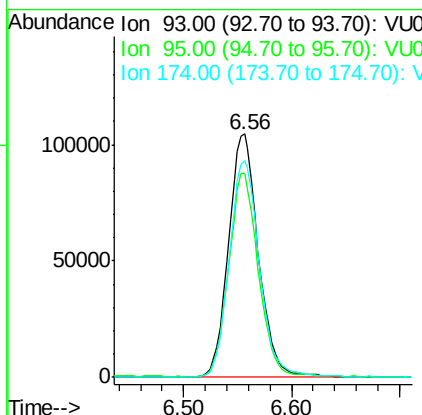
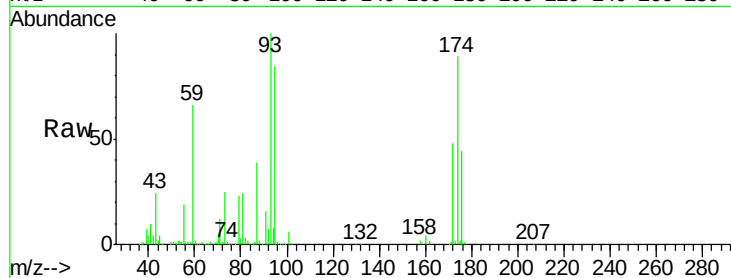
MSVOA_U

ClientSampleId :

VSTDIC015

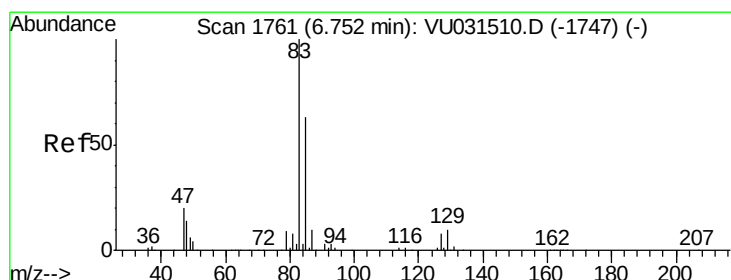
Tot Ion:	93	Resp:	202222
Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.7	98.5
174	90.4	71.8	107.8

Manual Integrations
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#44

Bromodichloromethane

Concen: 14.867 ug/l

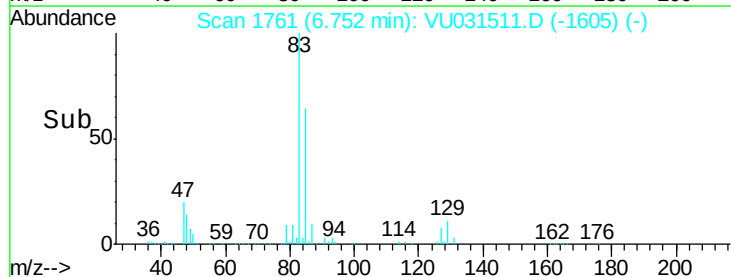
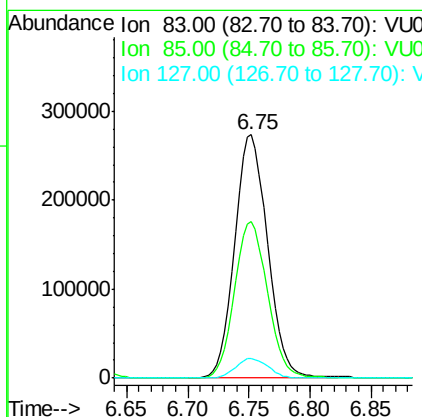
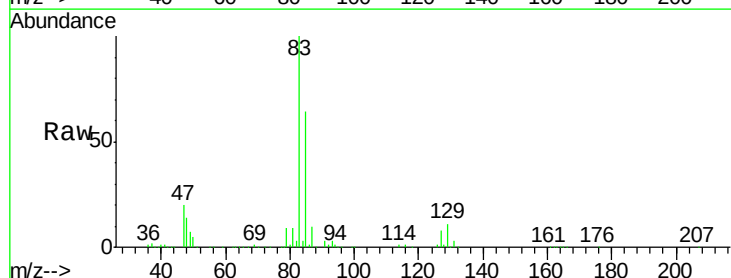
RT: 6.75 min Scan# 1761

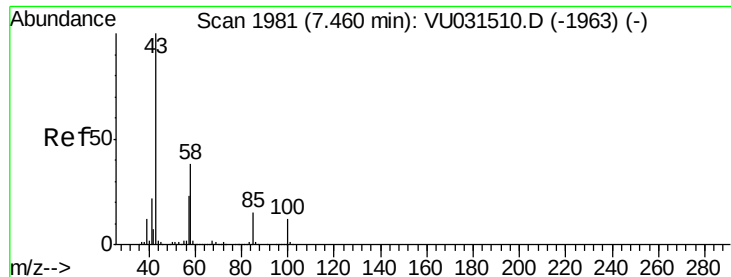
Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion:	83	Resp:	511411
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5
127	8.1	6.6	9.8





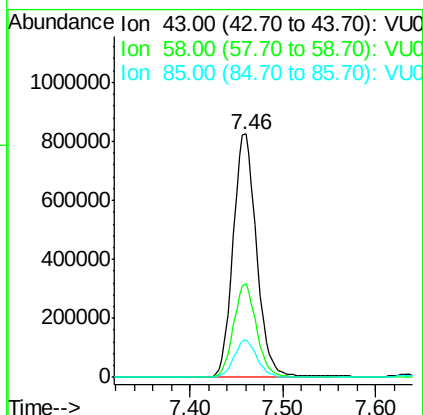
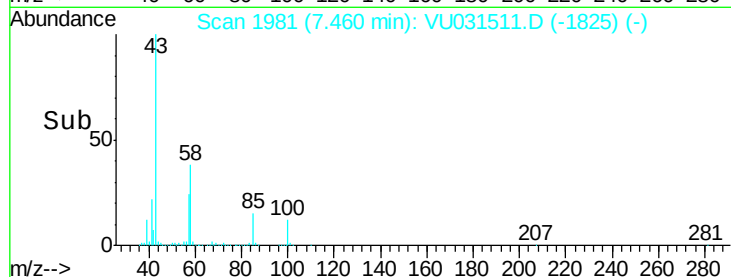
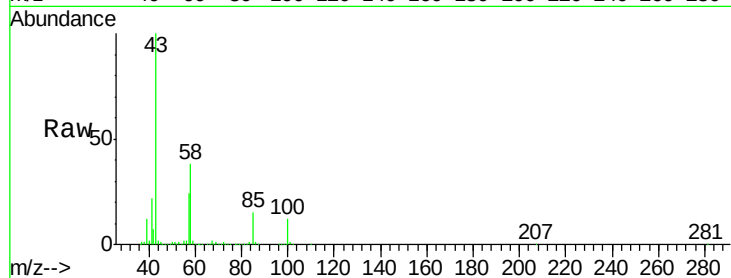
#45
 4-Methyl-2-Pentanone
 Concen: 86.560 ug/l
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion: 43 Resp: 1453374

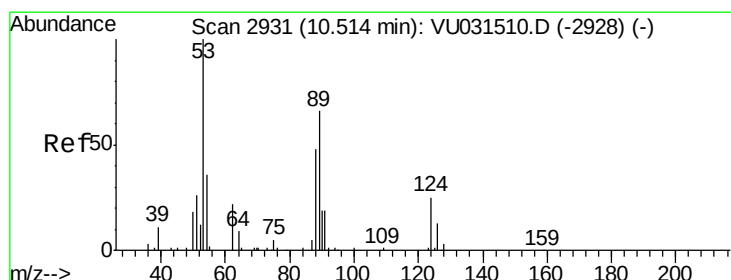
Ion	Ratio	Lower	Upper
43	100		
58	37.7	18.7	56.1
85	15.0	12.1	18.1

Manual Integrations
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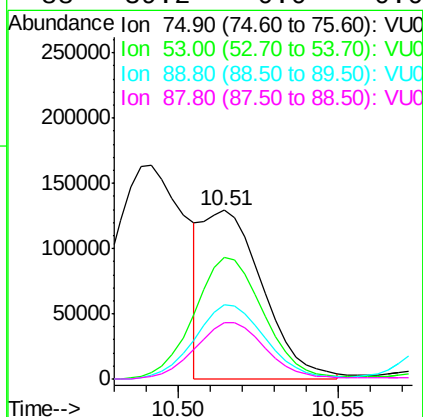
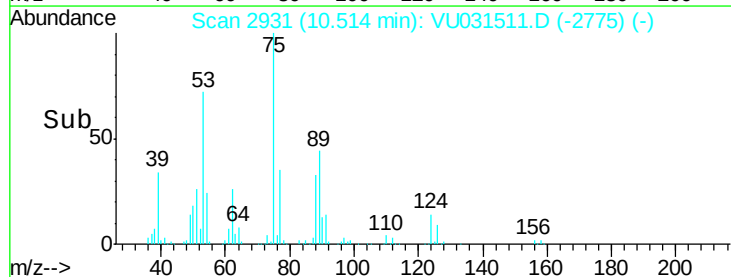
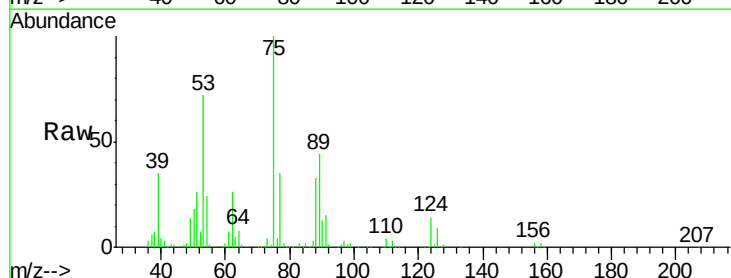
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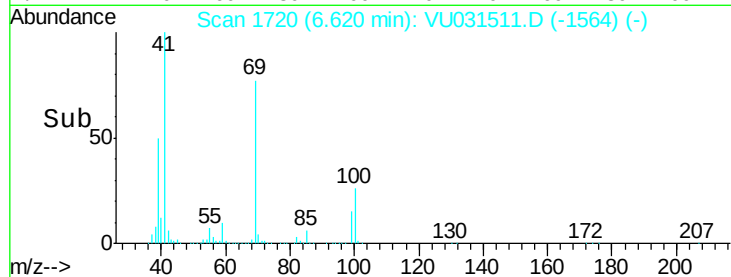
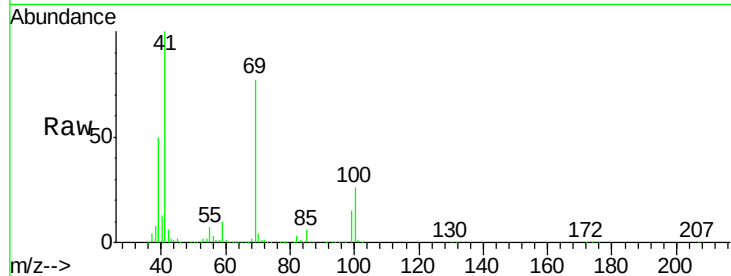
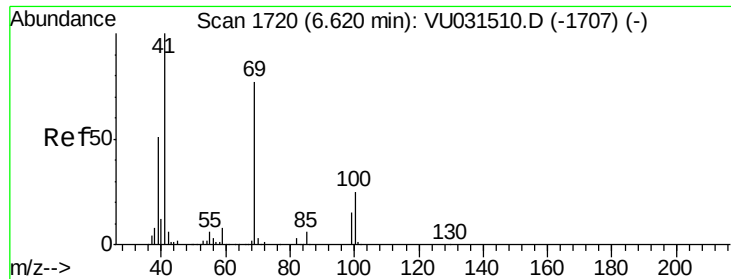


#46
 t-1,4-Dichloro-2-butene
 Concen: 27.259 ug/l m
 RT: 10.51 min Scan# 2931
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 75 Resp: 170047

Ion	Ratio	Lower	Upper
75	100		
53	83.1	63.8	95.8
89	51.6	38.6	57.8
88	39.2	0.0	0.0#



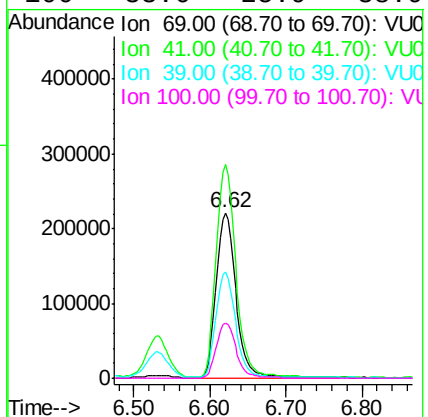


#47
Methyl methacrylate
Concen: 33.652 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		399125		
41	128.8	0.0	256.4		
39	63.3	52.2	78.4		
100	33.6	25.9	38.9		

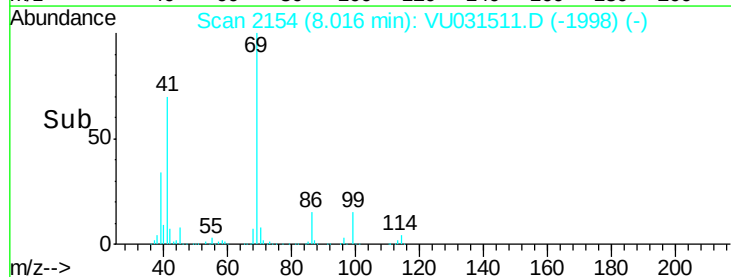
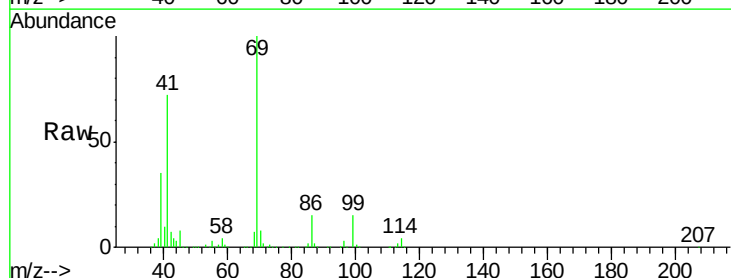
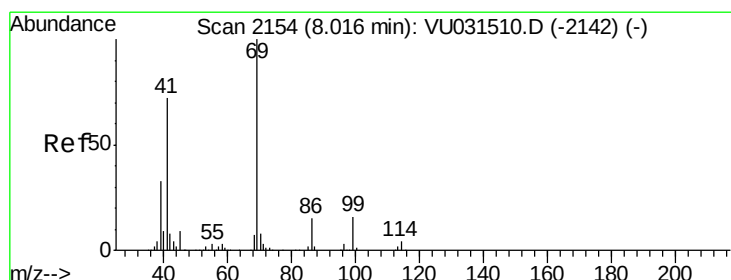
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED



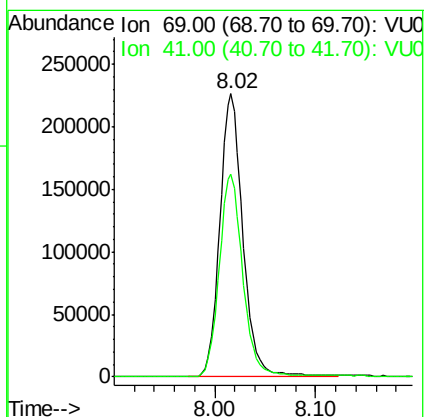
MMdadoda

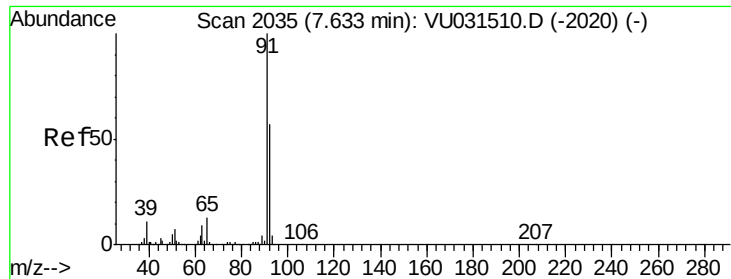
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#48
Ethyl methacrylate
Concen: 17.330 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		362202		
41	72.2	35.5	106.5		





#49

Toluene

Concen: 16.297 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

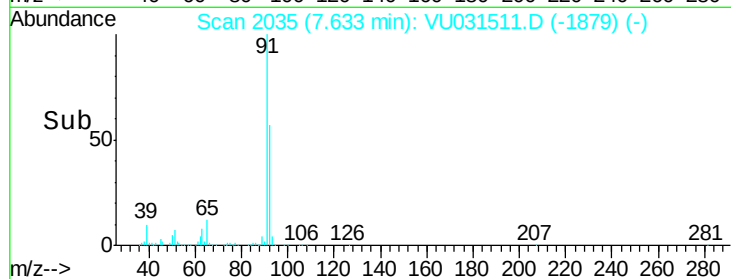
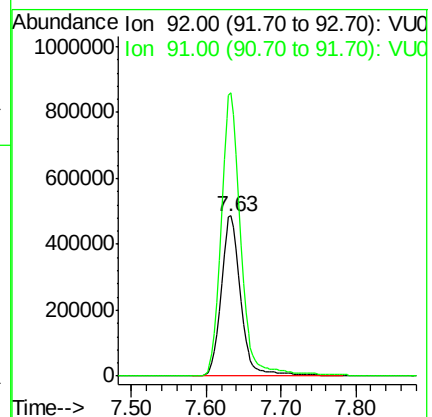
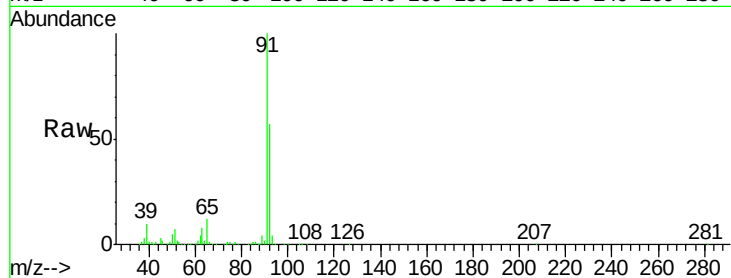
Tot Ion: 92 Resp: 888943

Ion Ratio Lower Upper

92 100

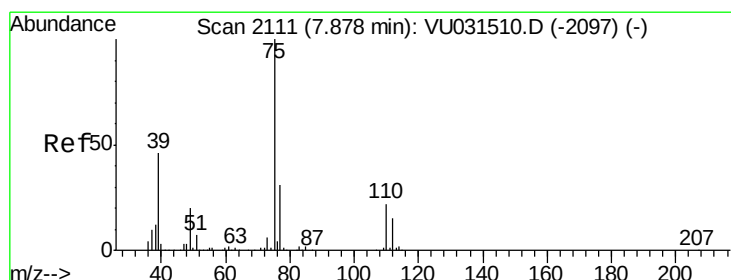
91 176.4 142.0 213.0

Manual Integrations
APPROVED



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#50

t-1,3-Dichloropropene

Concen: 15.941 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031511.D

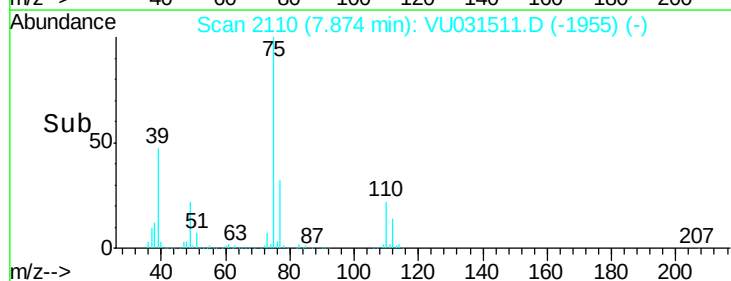
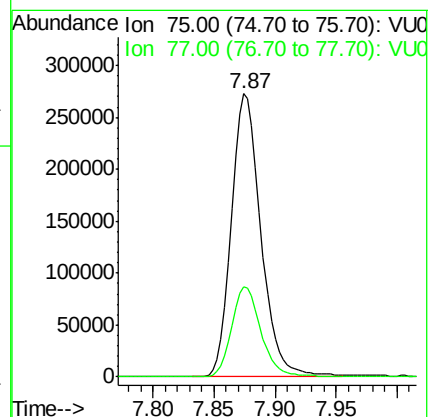
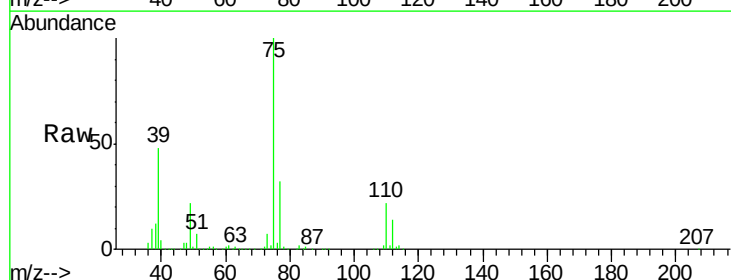
Acq: 25 Apr 2019 20:43

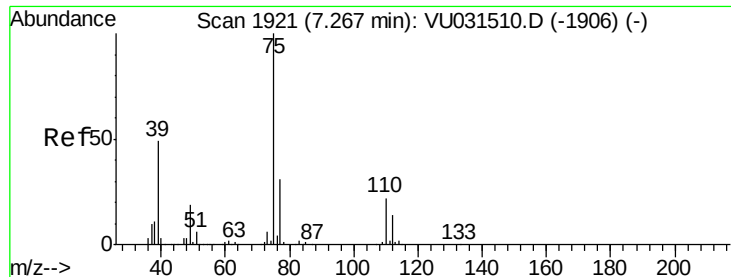
Tgt Ion: 75 Resp: 462889

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



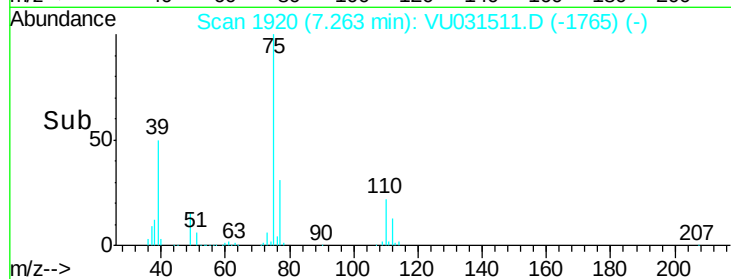
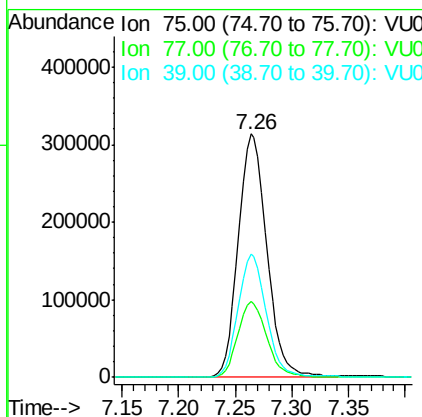
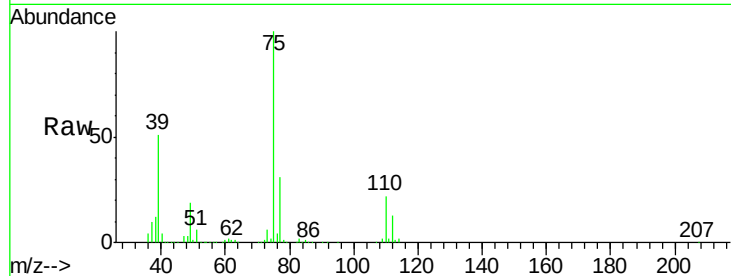


#51
 cis-1,3-Dichloropropene
 Concen: 16.046 ug/l
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

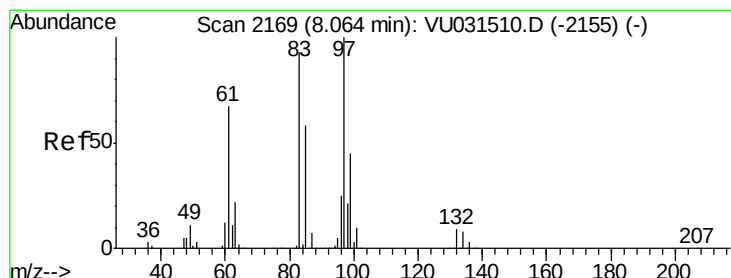
Tot Ion:	75	Resp:	554938
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	50.5	39.0	58.6

Manual Integrations
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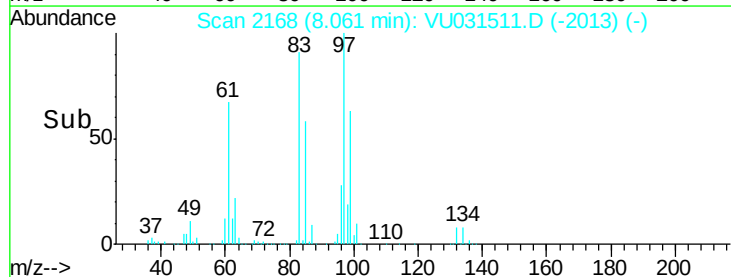
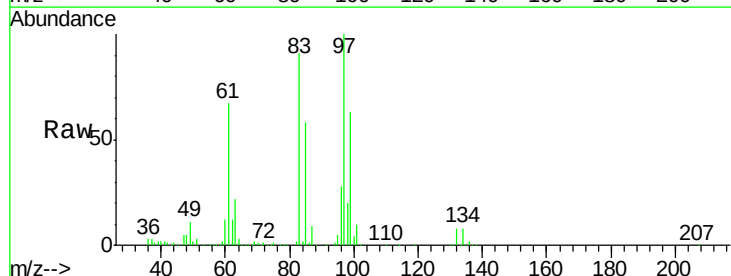
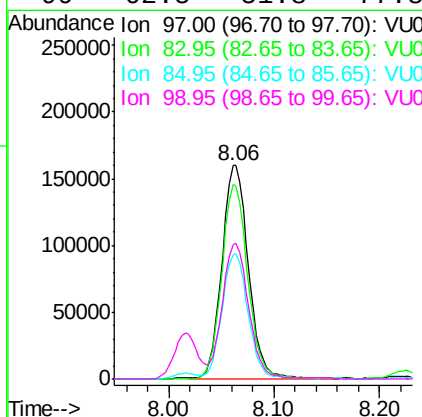
MMdadoda

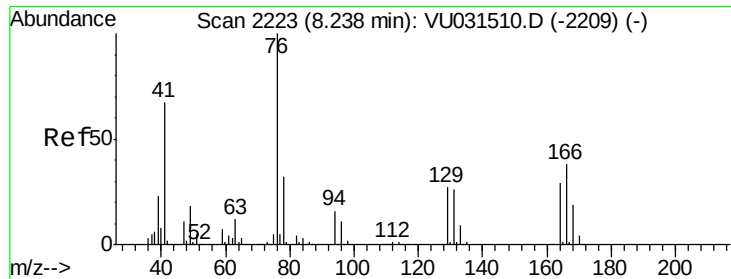
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#52
 1,1,2-Trichloroethane
 Concen: 14.466 ug/l
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:	97	Resp:	275493
Ion	Ratio	Lower	Upper
97	100		
83	91.3	74.8	112.2
85	58.1	48.3	72.5
99	62.5	51.8	77.8



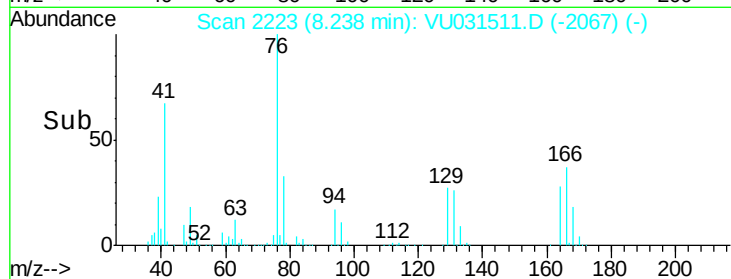
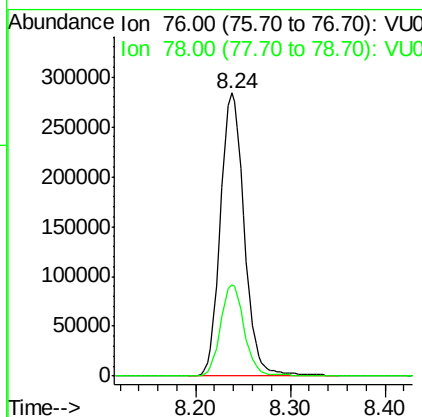
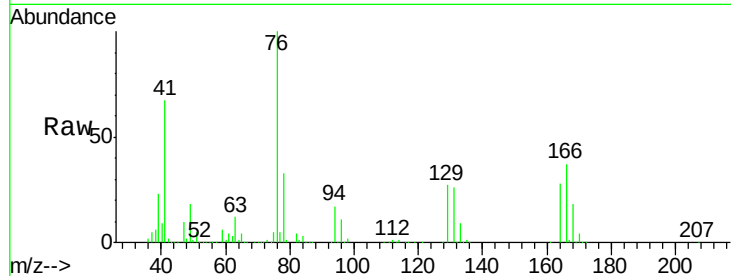


#53
 1,3-Dichloropropane
 Concen: 15.330 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

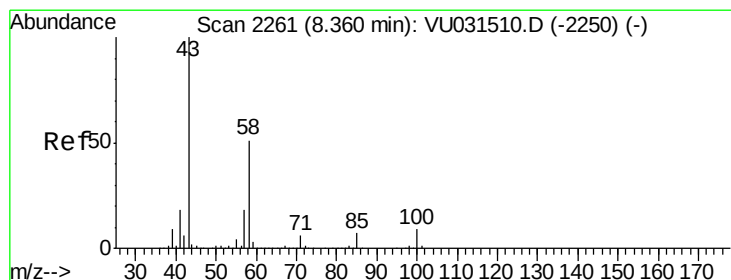
Tot Ion: 76 Resp: 499162
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

Manual Integrations
 APPROVED



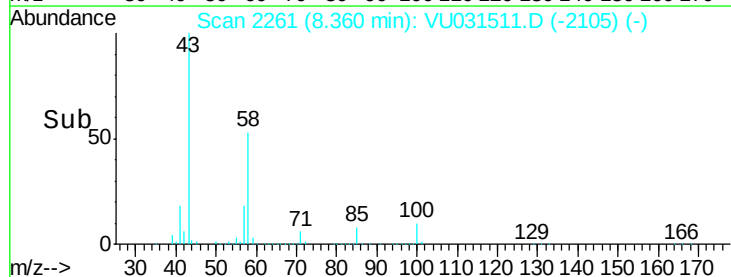
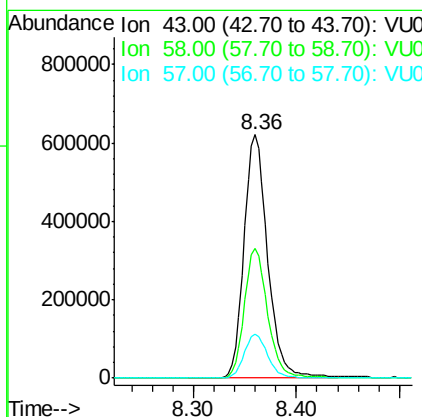
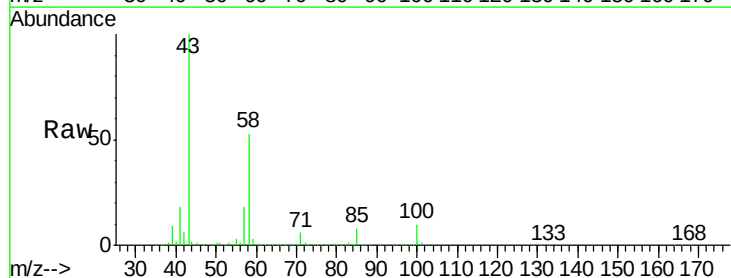
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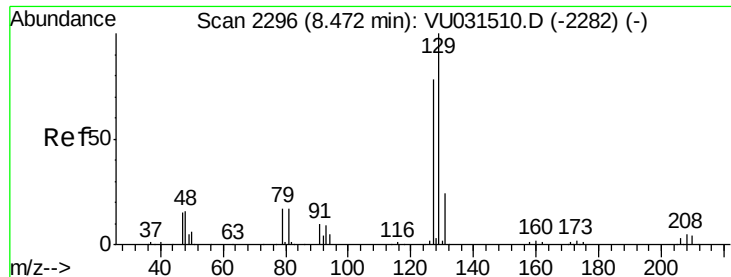
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#54
 2-Hexanone
 Concen: 87.091 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion: 43 Resp: 989232
 Ion Ratio Lower Upper
 43 100
 58 52.7 30.3 70.3
 57 18.2 0.0 37.8



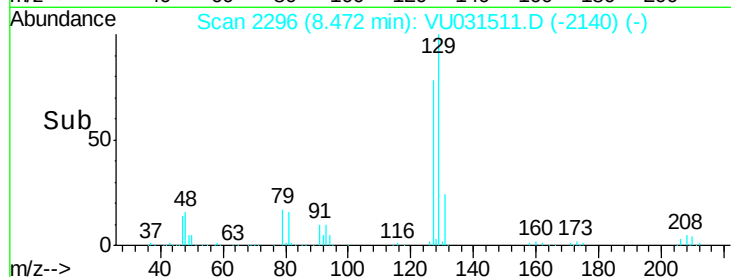
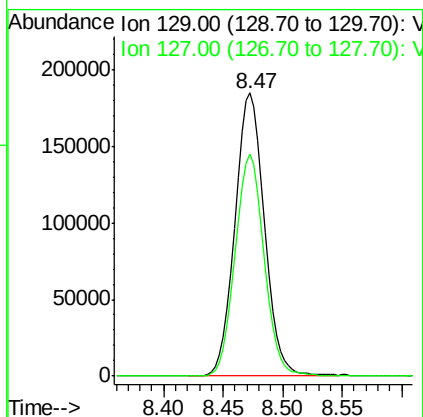
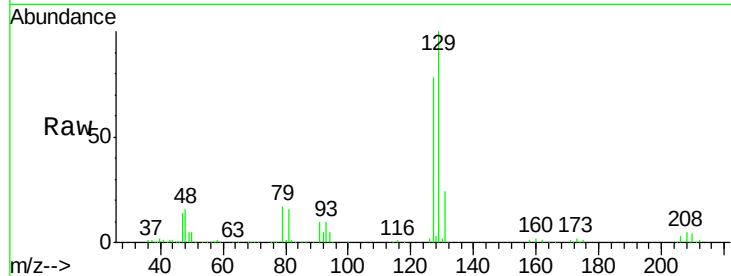


#55
 Dibromochloromethane
 Concen: 14.068 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

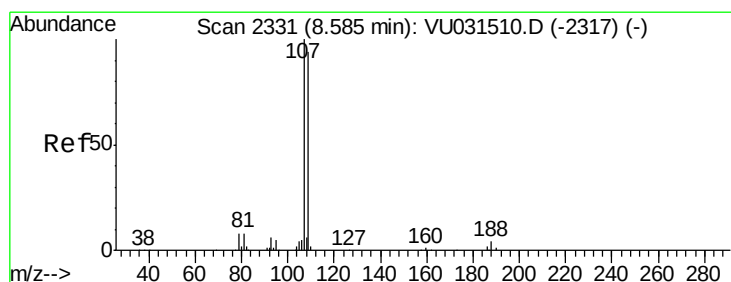
Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	62.6	94.0

Manual Integrations
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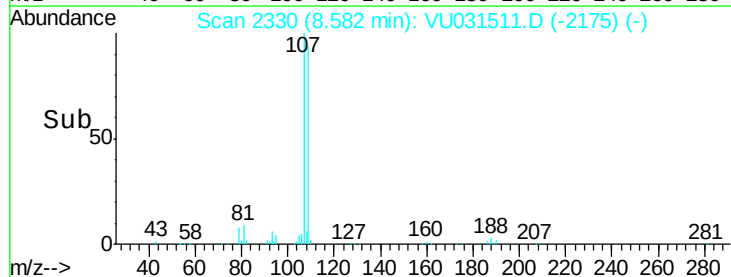
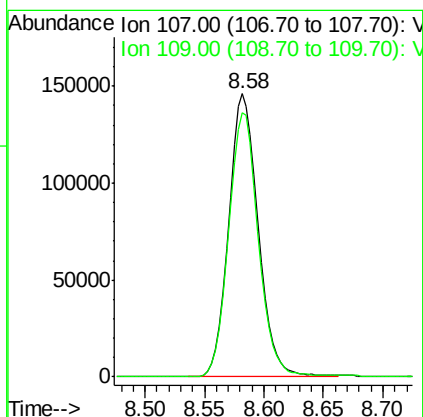
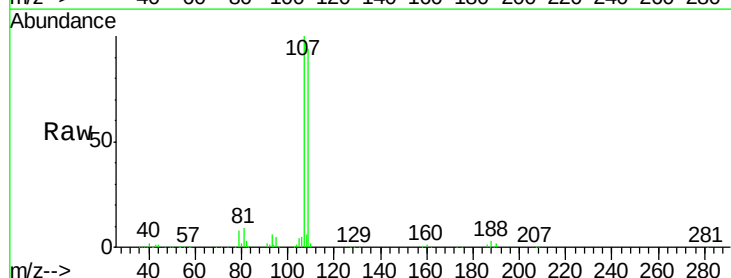
MMdadoda

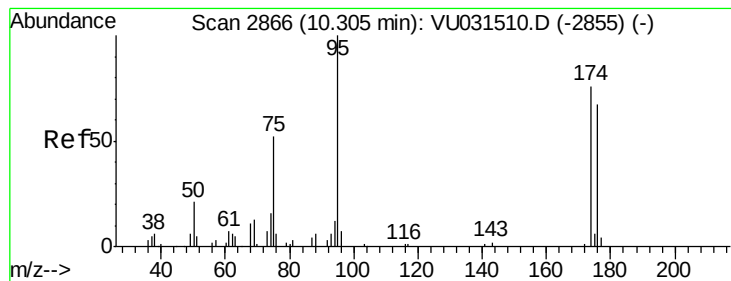
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#56
 1,2-Dibromoethane
 Concen: 14.166 ug/l
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	0.0	186.0





#57

4-Bromofluorobenzene

Concen: 0.980 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 95 Resp: 29547

Ion Ratio Lower Upper

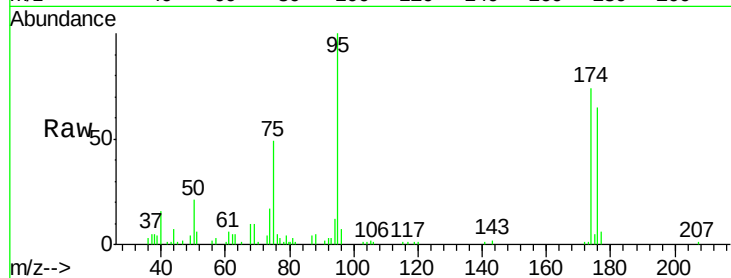
95 100

174 74.7 57.9 86.9

176 69.5 54.0 81.0

Manual Integrations

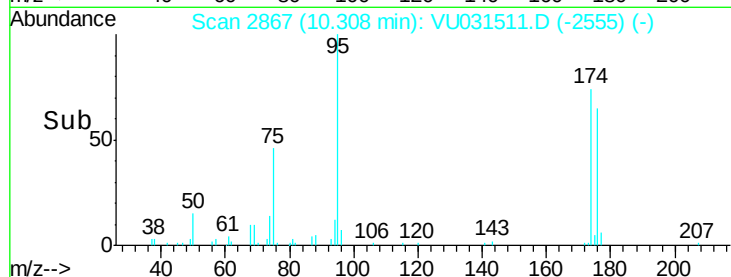
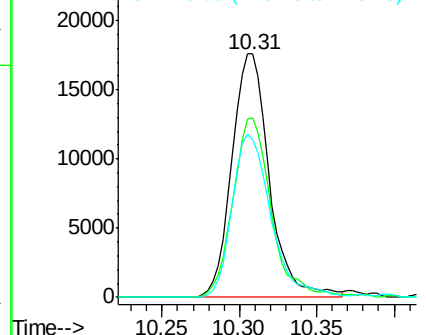
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Abundance Ion 95.00 (94.70 to 95.70): VU031511.D (-2855) (-)

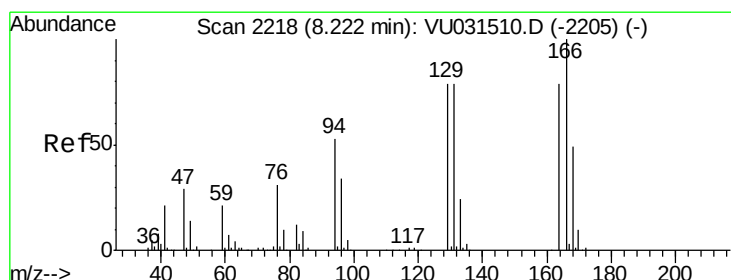
Ion 174.00 (173.70 to 174.70): VU031511.D (-2855) (-)

Ion 176.00 (175.70 to 176.70): VU031511.D (-2855) (-)



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#58

Tetrachloroethene

Concen: 15.114 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion: 164 Resp: 356644

Ion Ratio Lower Upper

164 100

166 126.4 101.2 151.8

129 98.1 80.2 120.4

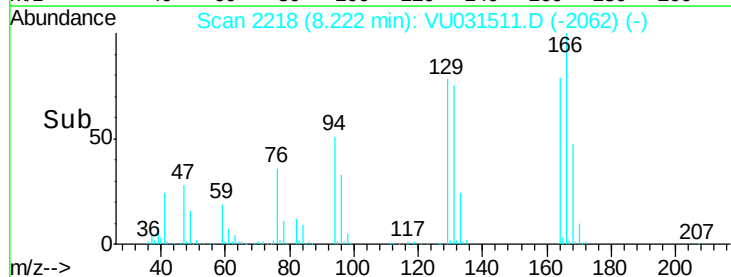
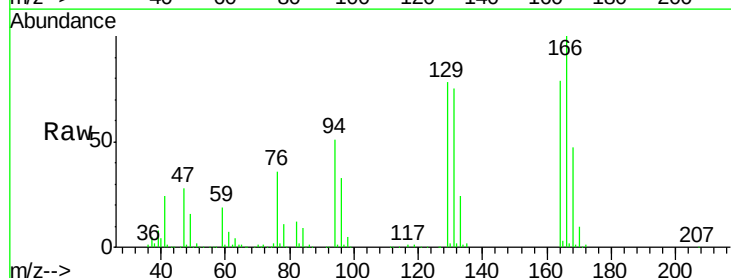
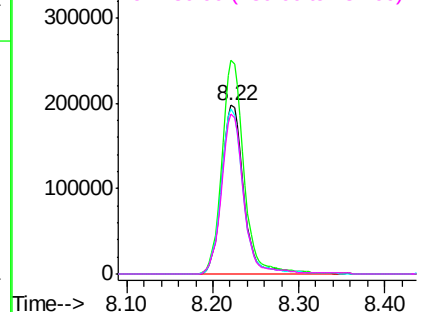
131 94.5 79.6 119.4

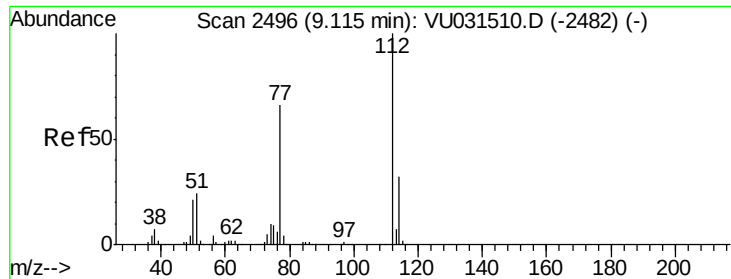
Abundance Ion 163.85 (163.55 to 164.55): VU031511.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU031511.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU031511.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU031511.D (-2062) (-)



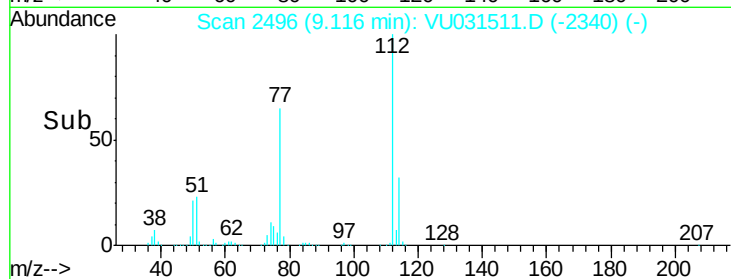
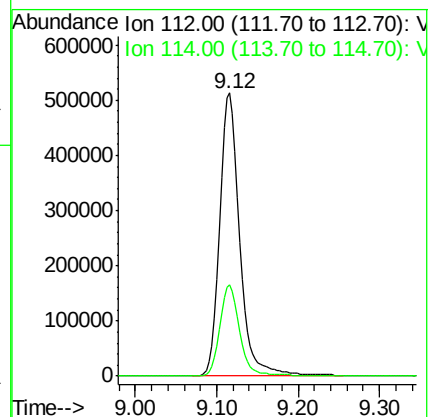
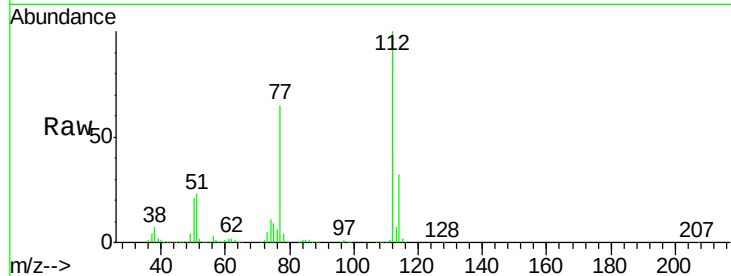


#59
Chlorobenzene
Concen: 14.961 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

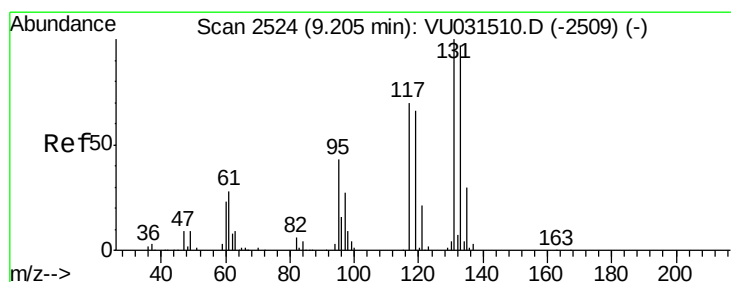
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

Manual Integrations
APPROVED



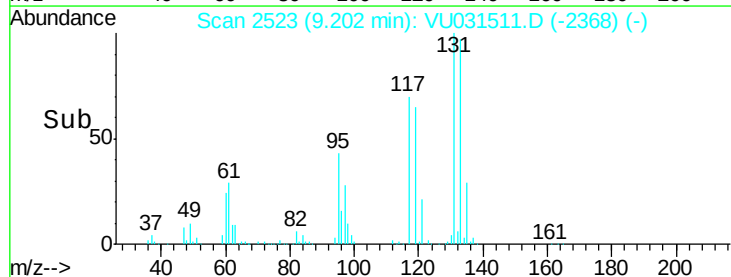
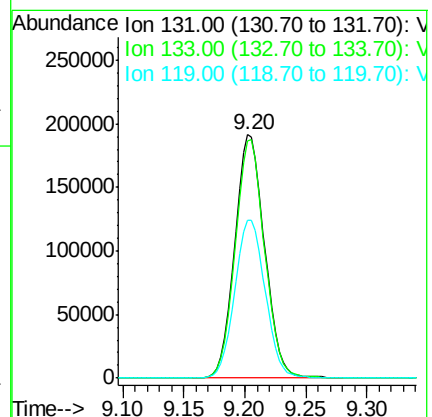
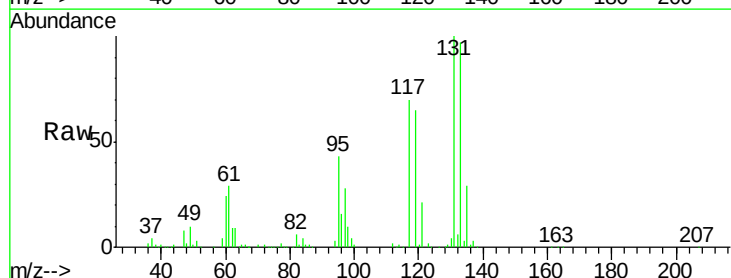
MMdadoda

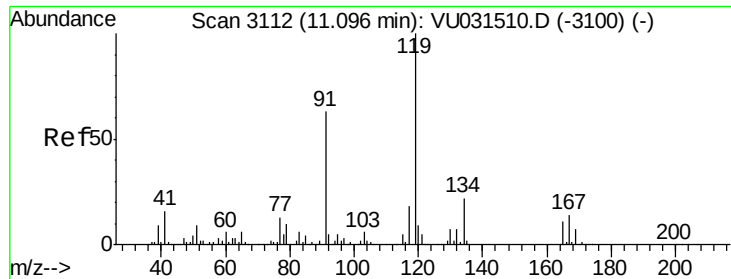
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#60
1,1,1,2-Tetrachloroethane
Concen: 14.404 ug/l
RT: 9.20 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	77.7	116.5
119	66.5	53.4	80.0



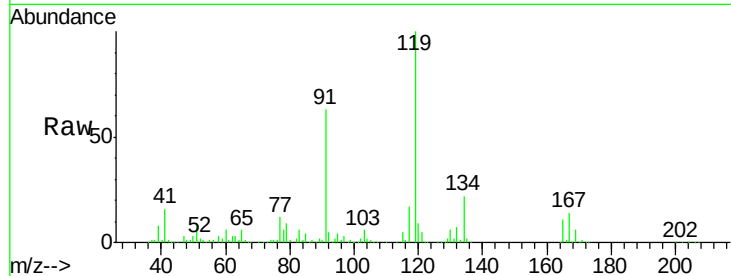


#61
 Pentachloroethane
 Concen: 12.984 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

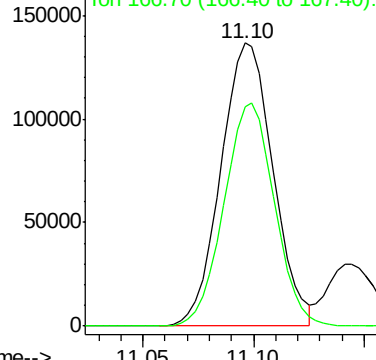
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
167	76.5	62.5	93.7

Manual Integrations
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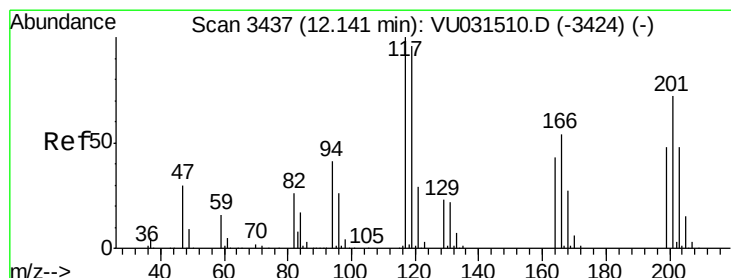
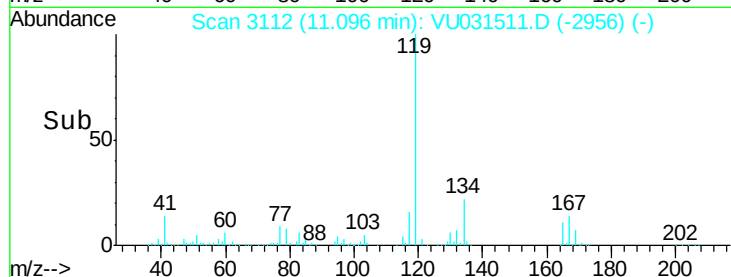


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



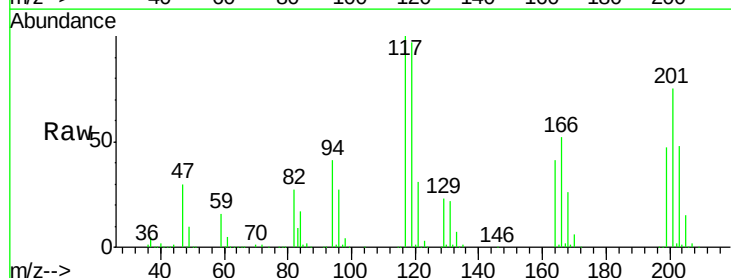
MMdadoda

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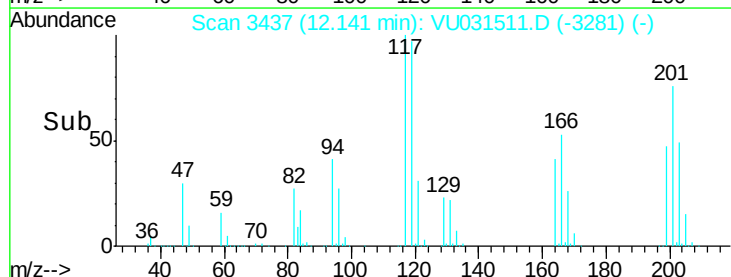
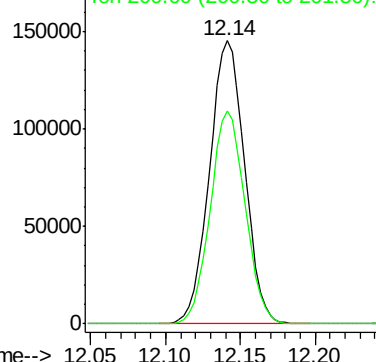


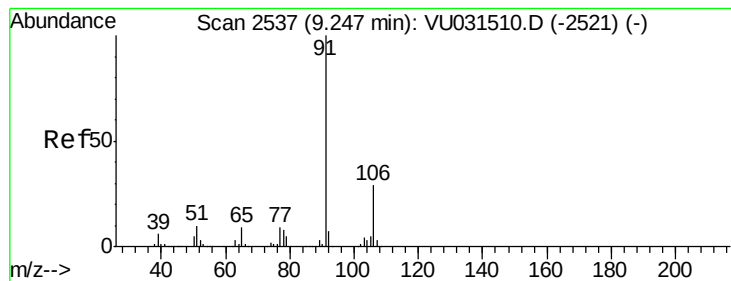
#62
 Hexachloroethane
 Concen: 14.074 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.8	60.0	90.0



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 16.996 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

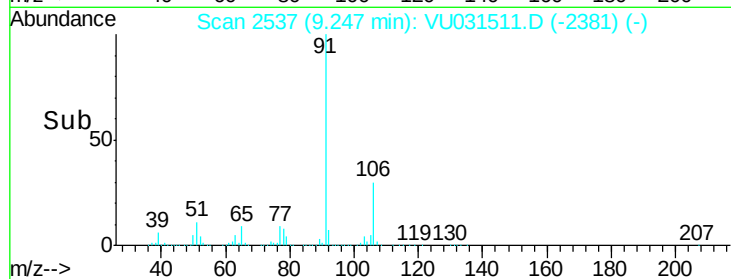
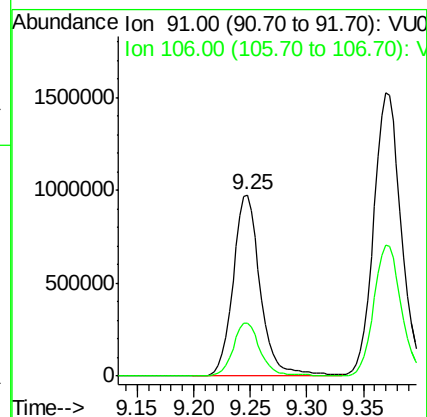
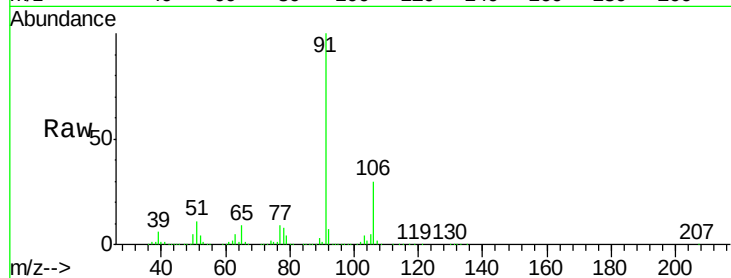
Tot Ion: 91 Resp: 1638098

Ion Ratio Lower Upper

91 100

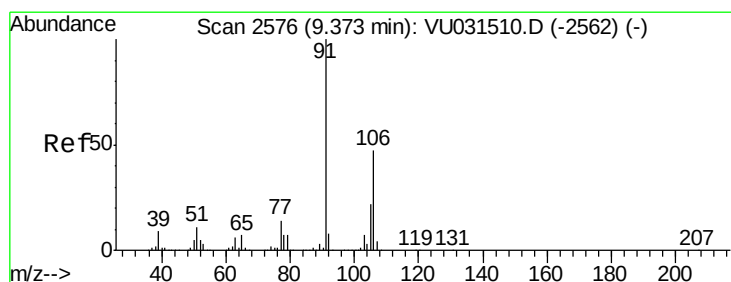
106 29.5 23.4 35.2

Manual Integrations
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#64

m/p-Xylenes

Concen: 33.385 ug/l

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031511.D

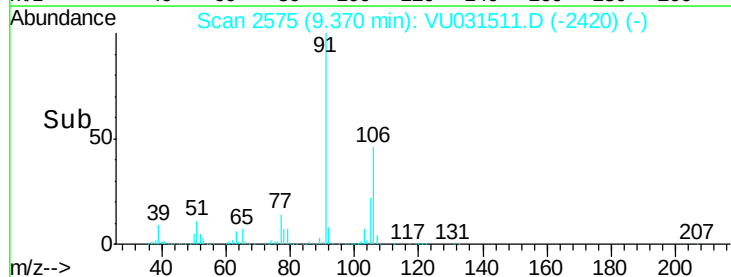
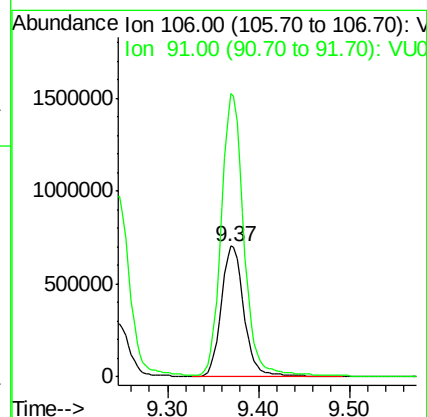
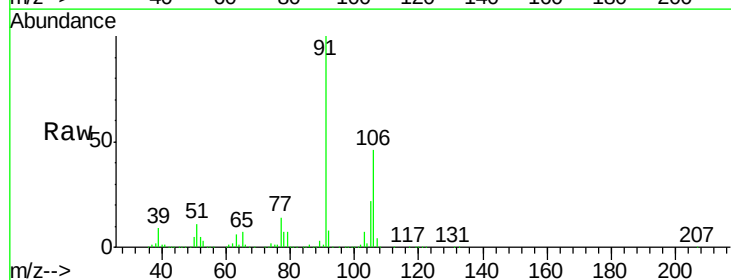
Acq: 25 Apr 2019 20:43

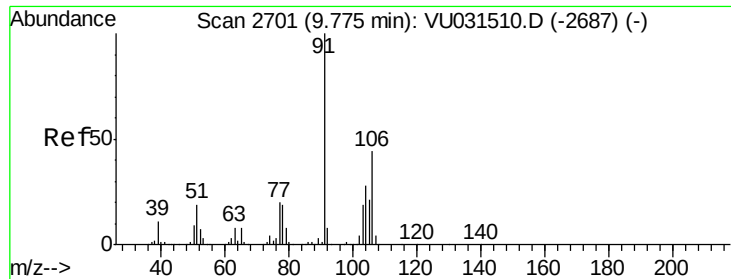
Tgt Ion: 106 Resp: 1220057

Ion Ratio Lower Upper

106 100

91 219.7 171.0 256.4



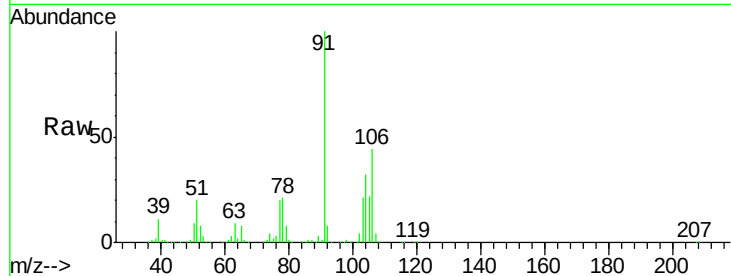


#65
o-Xylene
Concen: 16.530 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

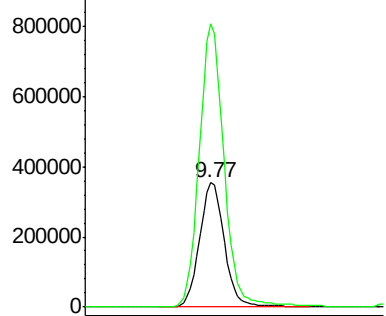
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:106 Resp: 579766
Ion Ratio Lower Upper
106 100
91 225.9 113.8 341.4

Manual Integrations
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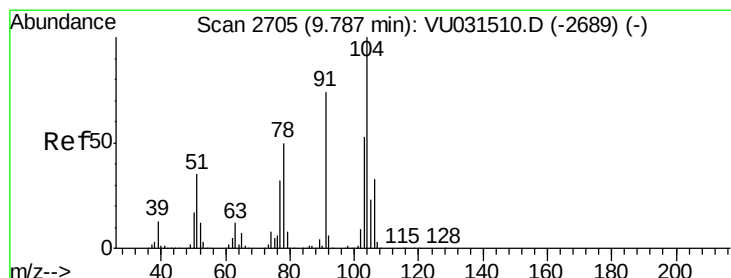
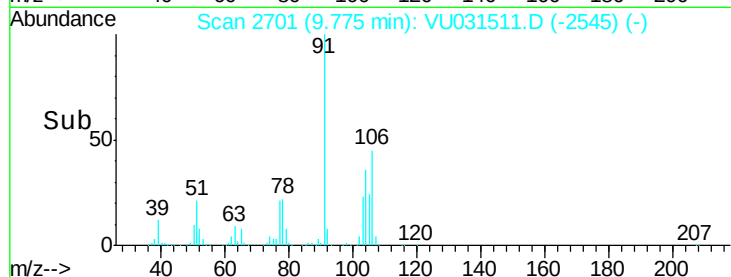


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



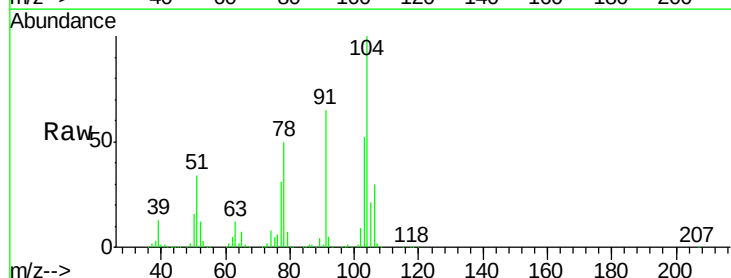
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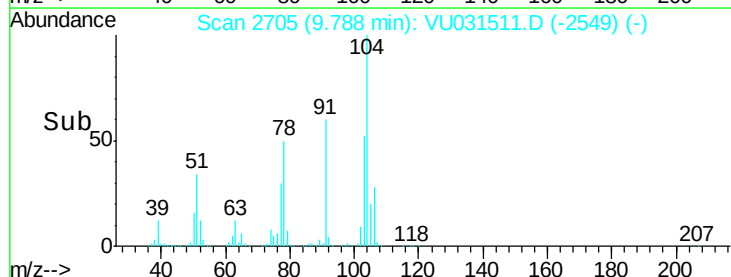
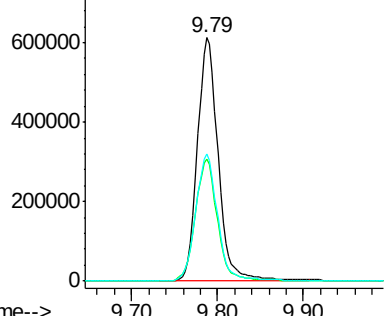


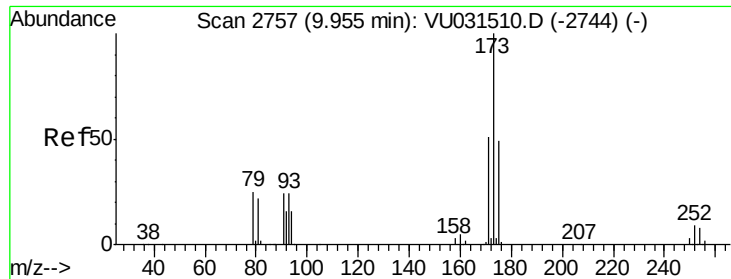
#66
Styrene
Concen: 17.394 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion:104 Resp: 1034300
Ion Ratio Lower Upper
104 100
78 52.8 42.5 63.7
103 55.0 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: 13.840 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

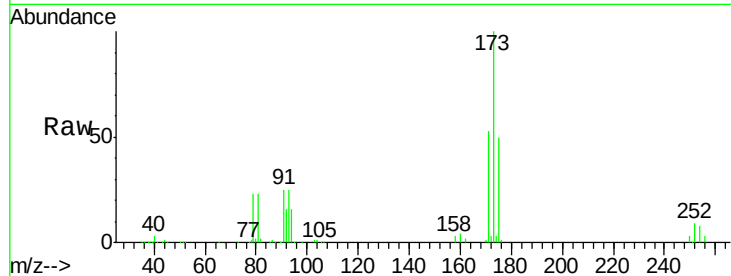
MSVOA_U

ClientSampleId :

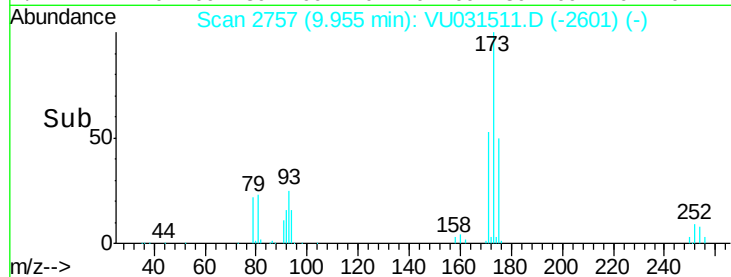
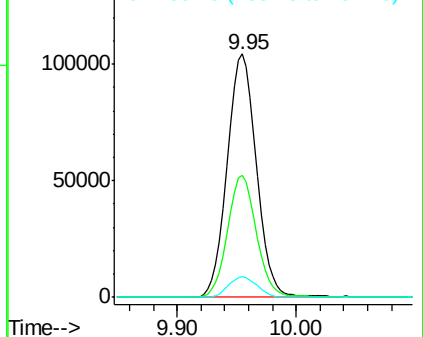
VSTDIC015

Tot Ion:	173	Resp:	177732
Ion Ratio	Lower	Upper	
173	100		
175	49.7	38.7	58.1
254	8.2	6.0	9.0

Manual Integrations
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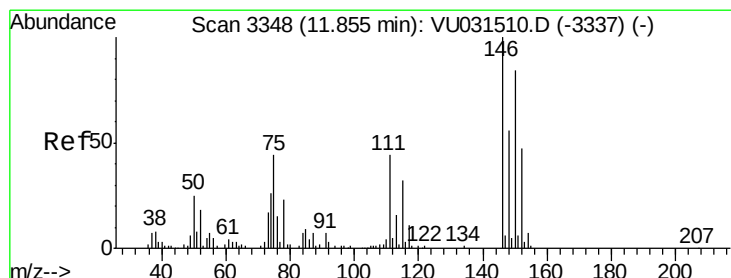


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 0.913 ug/l

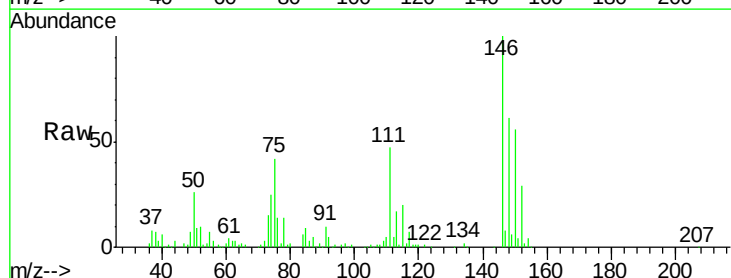
RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

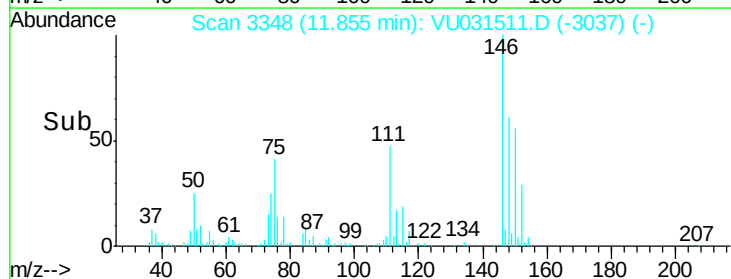
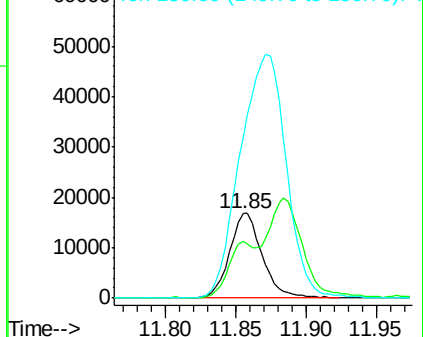
Lab File: VU031511.D

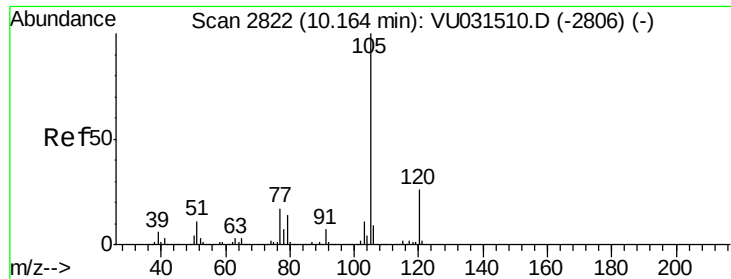
Acq: 25 Apr 2019 20:43

Tgt Ion:	152	Resp:	27362
Ion Ratio	Lower	Upper	
152	100		
115	55.1	0.0	123.2
150	0.0	0.0	658.2



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





#69

Isopropylbenzene

Concen: 16.488 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1545850

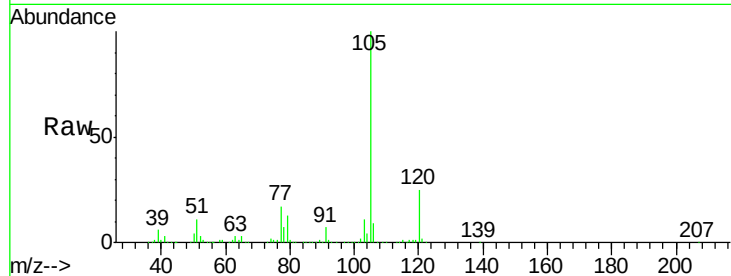
Ion Ratio Lower Upper

105 100

120 24.9 12.4 37.4

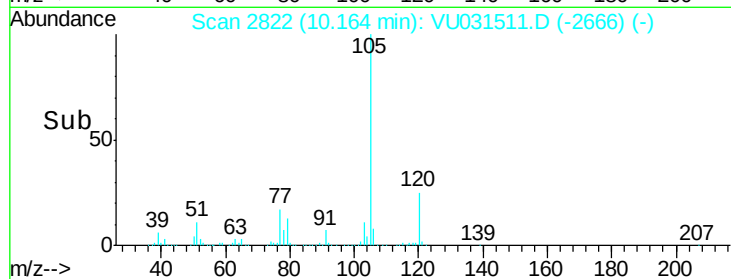
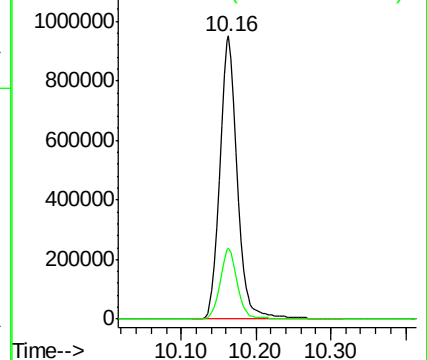
Manual Integrations

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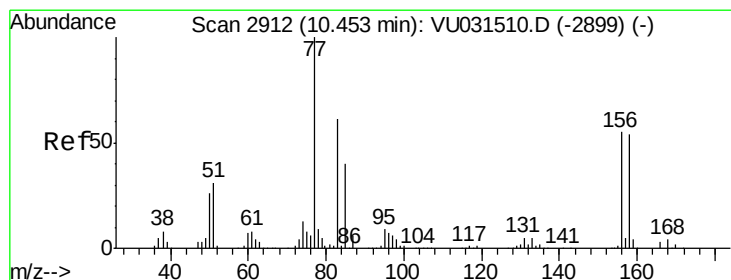
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 14.373 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

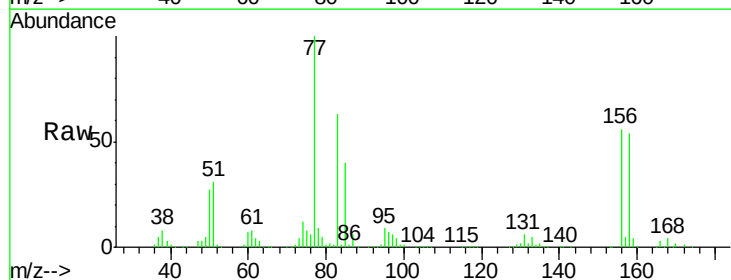
Tgt Ion: 83 Resp: 355355

Ion Ratio Lower Upper

83 100

131 8.9 7.2 10.8

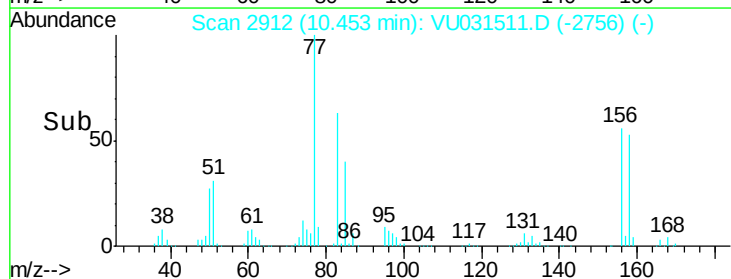
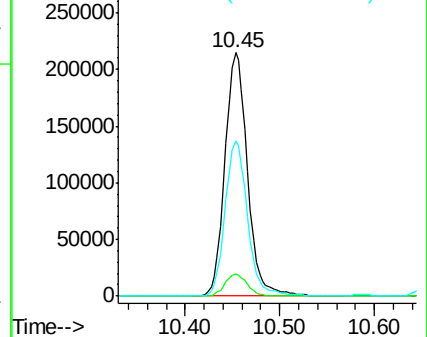
85 63.9 52.8 79.2

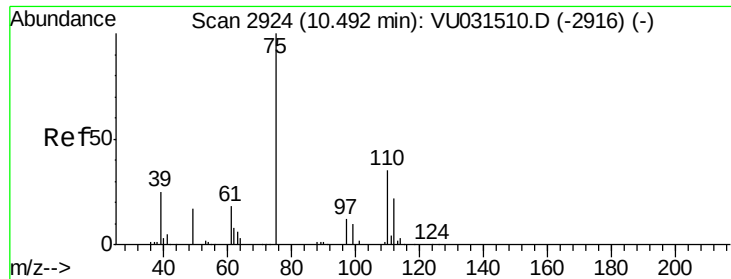


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



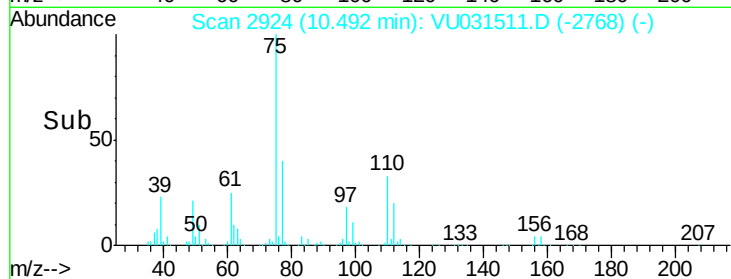
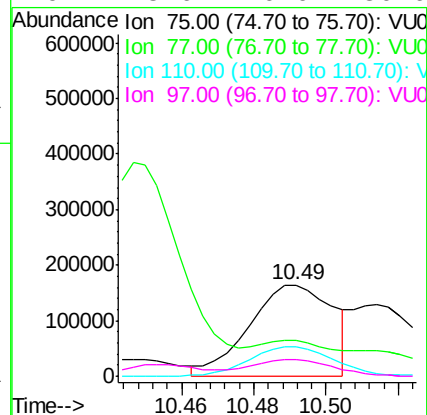
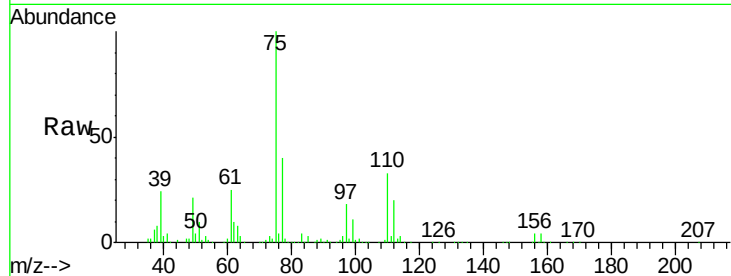


#71
1,2,3-Trichloropropane
Concen: 14.938 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

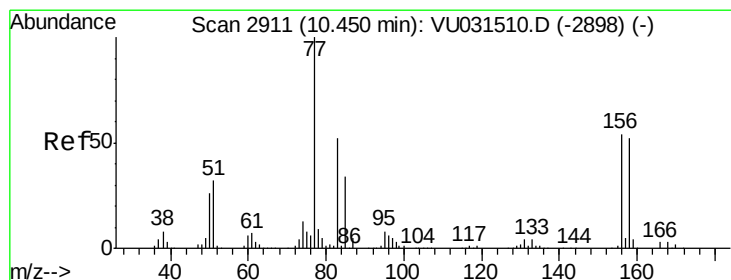
Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100		265902		
77	0.0	0.0	0.0		
110	33.6	0.0	68.2		
97	18.6	0.0	36.6		

Manual Integrations
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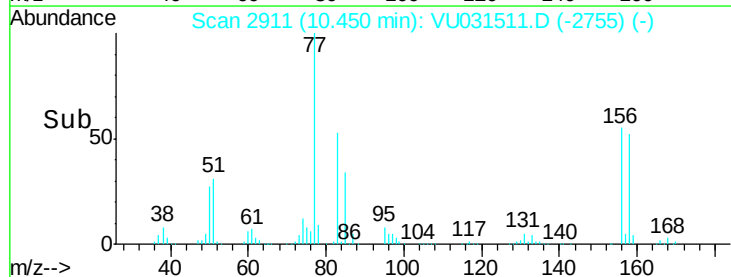
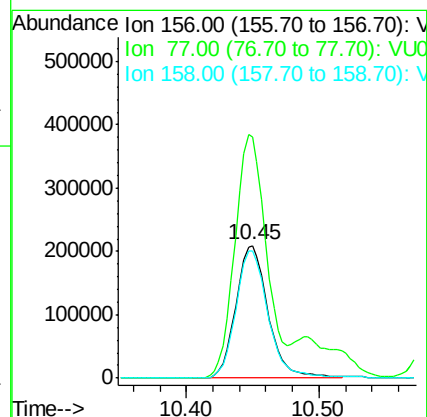
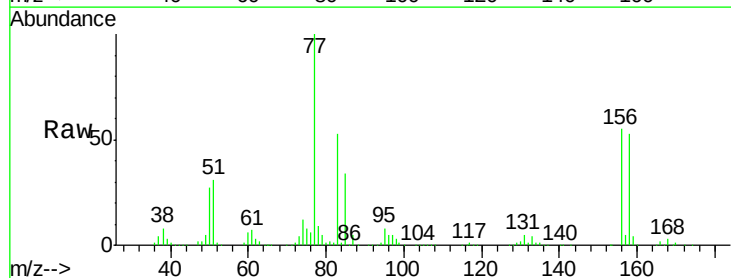
MMdadoda

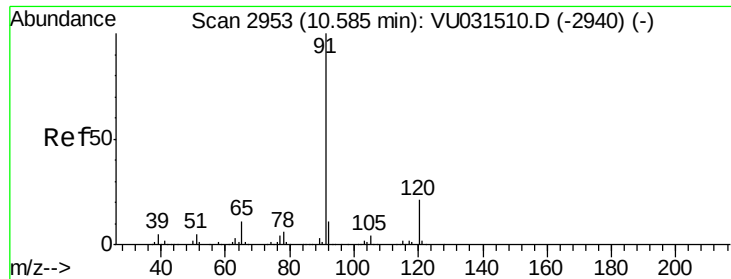
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#72
Bromobenzene
Concen: 14.408 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	100		354401		
77	178.3	0.0	353.4		
158	97.1	0.0	190.6		





#73

n-propylbenzene

Concen: 16.639 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

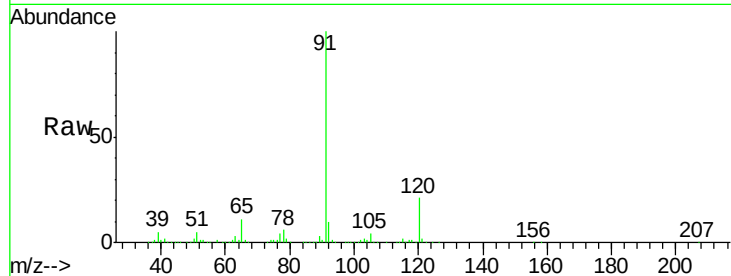
Tot Ion:120 Resp: 415552

Ion Ratio Lower Upper

120 100

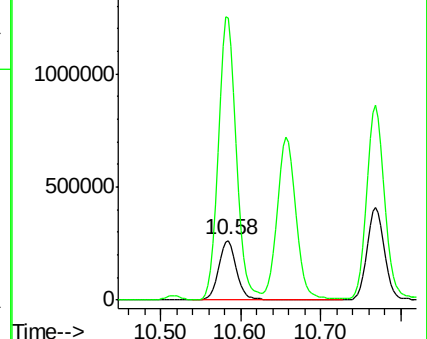
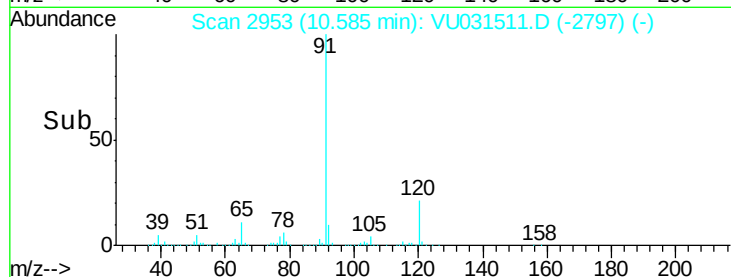
91 469.6 373.9 560.9

Manual Integrations
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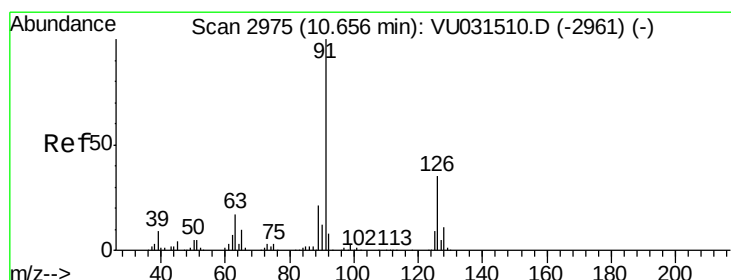
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 15.796 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031511.D

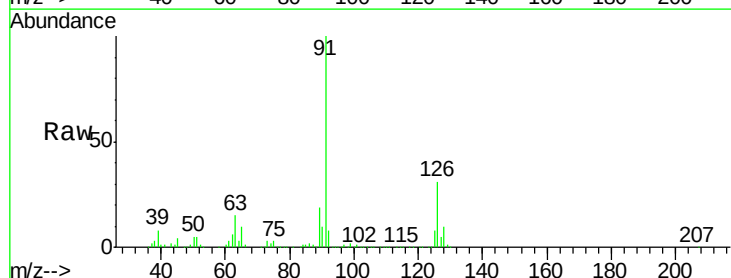
Acq: 25 Apr 2019 20:43

Tgt Ion:126 Resp: 363394

Ion Ratio Lower Upper

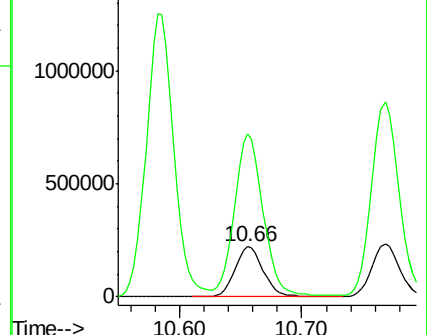
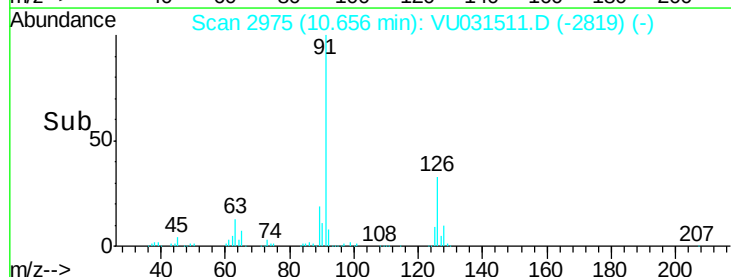
126 100

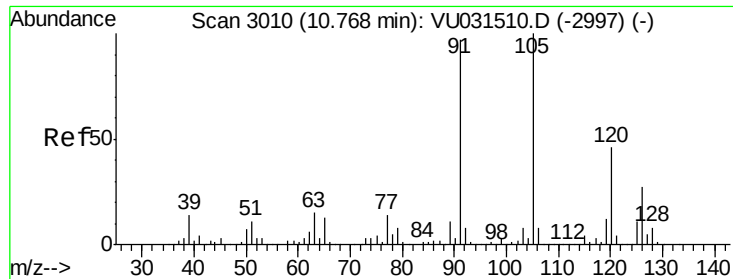
91 329.1 0.0 659.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



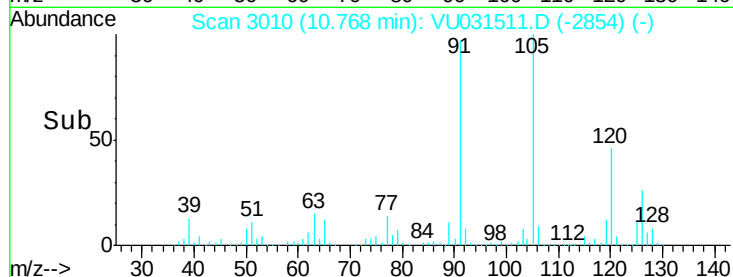
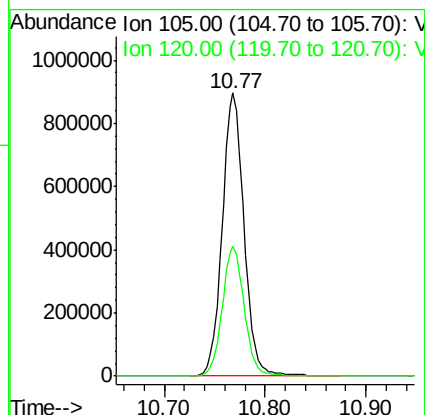
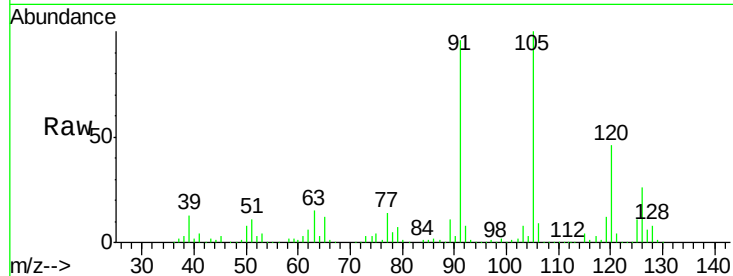


#75
 1,3,5-Trimethylbenzene
 Concen: 16.903 ug/l
 RT: 10.77 min Scan# 3010
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

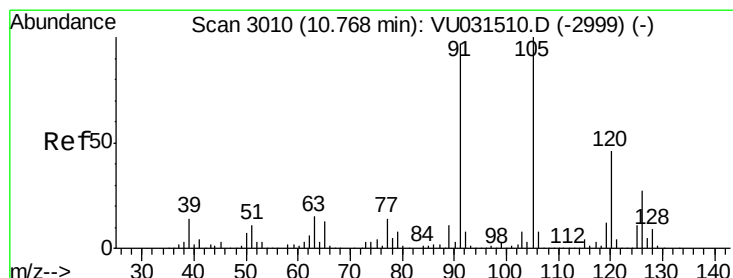
Tot Ion:105 Resp: 1348381
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.8 55.2

Manual Integrations
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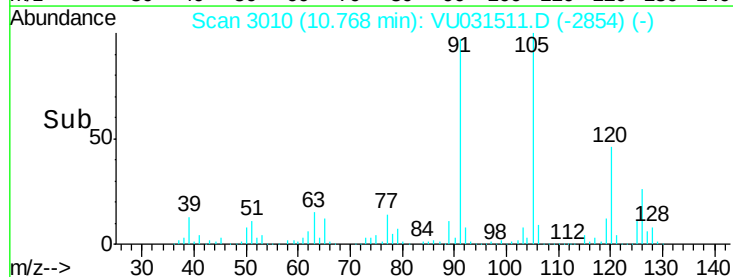
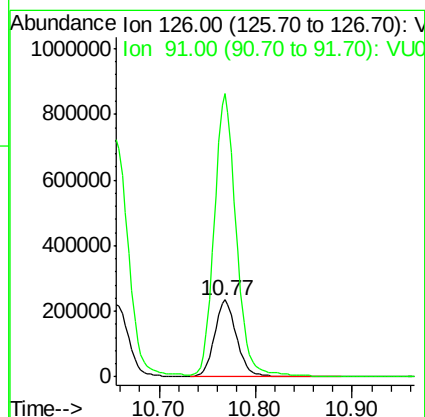
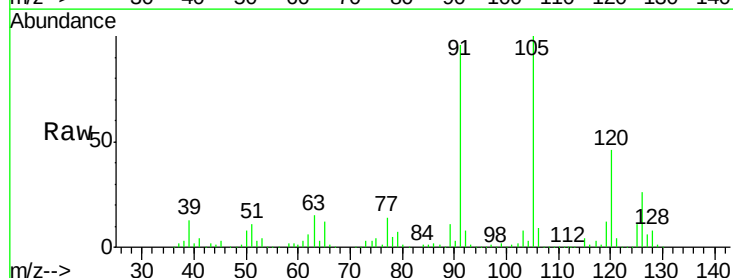
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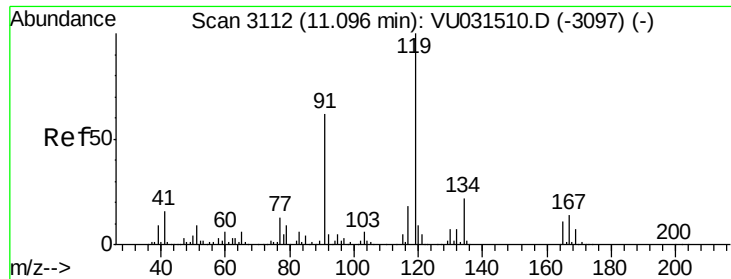
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#76
 4-Chlorotoluene
 Concen: 16.121 ug/l
 RT: 10.77 min Scan# 3010
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion:126 Resp: 374922
 Ion Ratio Lower Upper
 126 100
 91 364.1 0.0 732.0



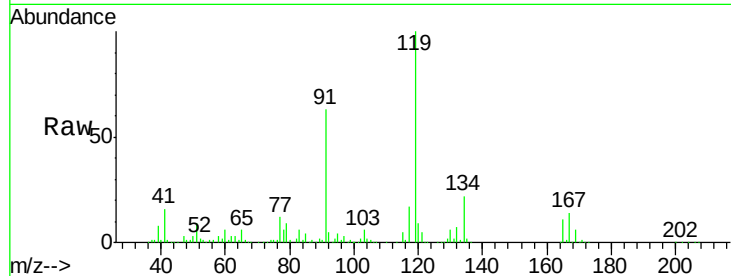


#77
 tert-Butylbenzene
 Concen: 15.917 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

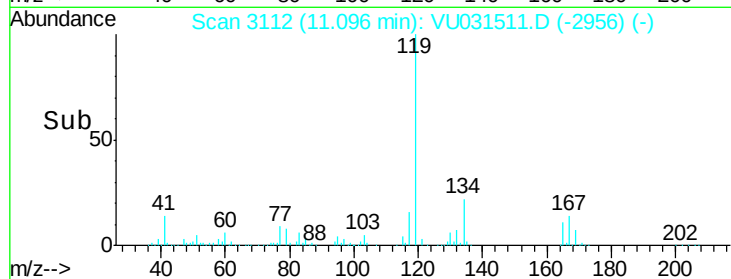
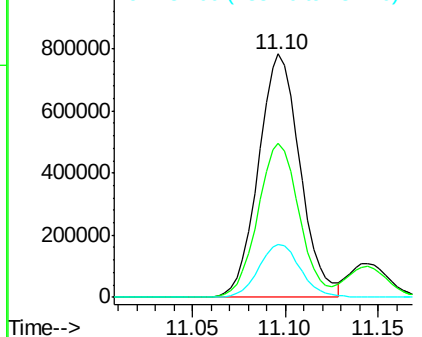
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.4	94.2
134	22.0	17.4	26.2

Manual Integrations
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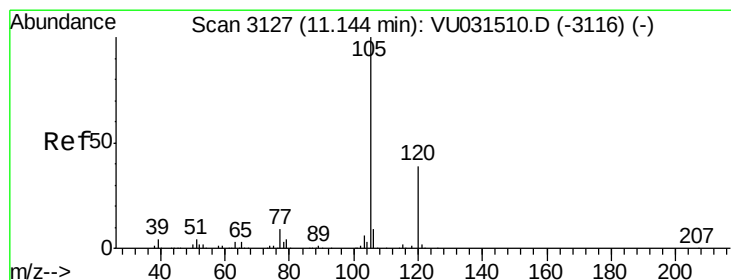


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



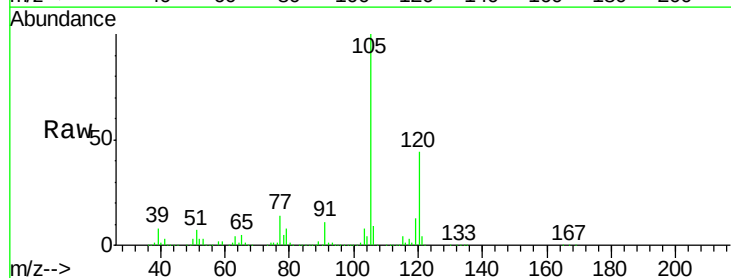
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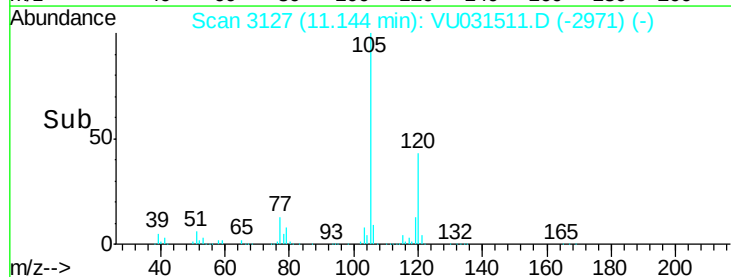
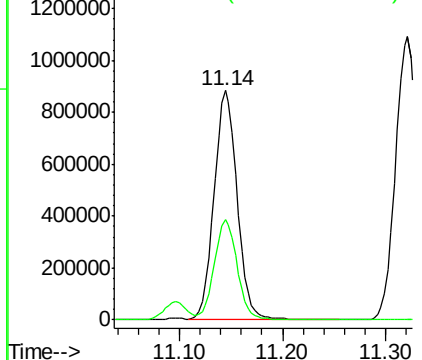


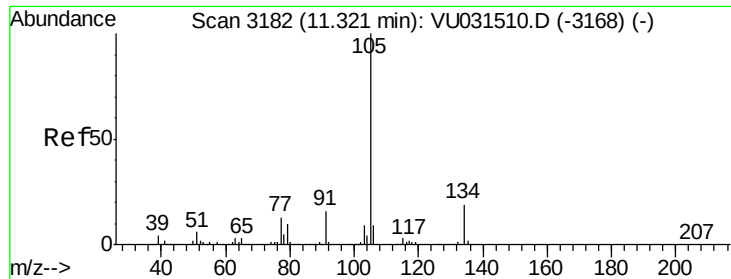
#78
 1,2,4-Trimethylbenzene
 Concen: 17.074 ug/l
 RT: 11.14 min Scan# 3127
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	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: 16.213 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

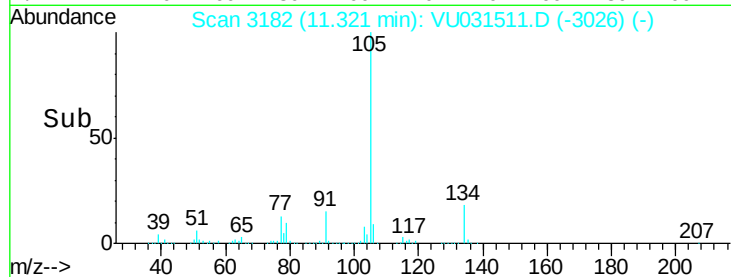
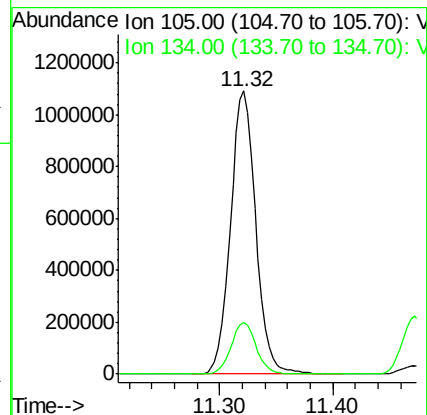
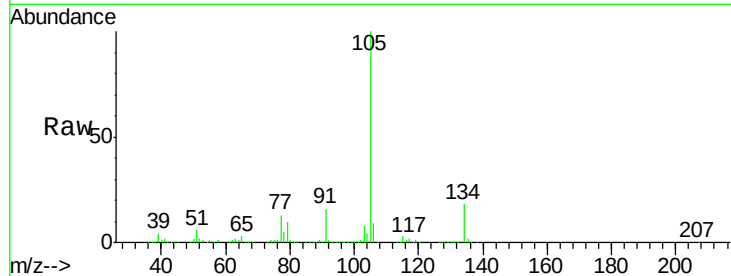
Tot Ion:105 Resp: 1693677

Ion Ratio Lower Upper

105 100

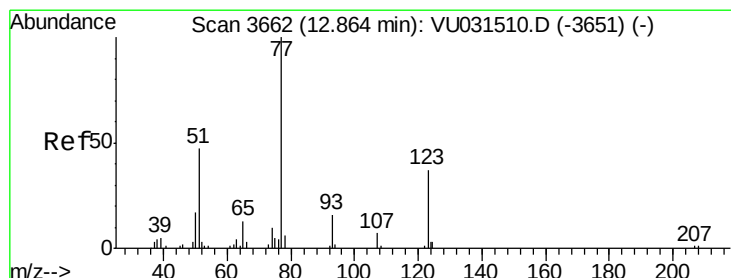
134 18.4 15.0 22.6

Manual Integrations
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#80

Nitrobenzene

Concen: 74.810 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

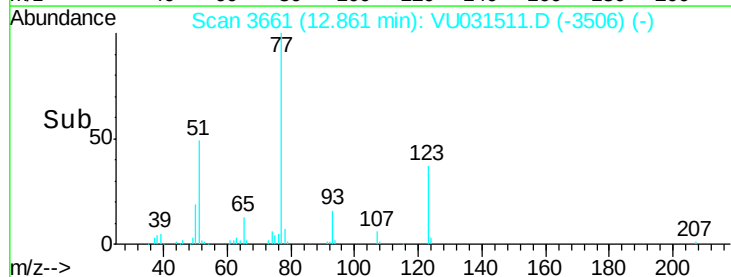
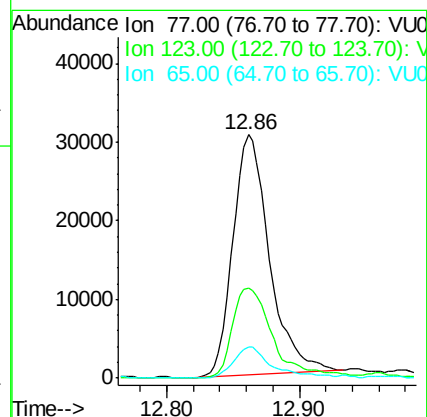
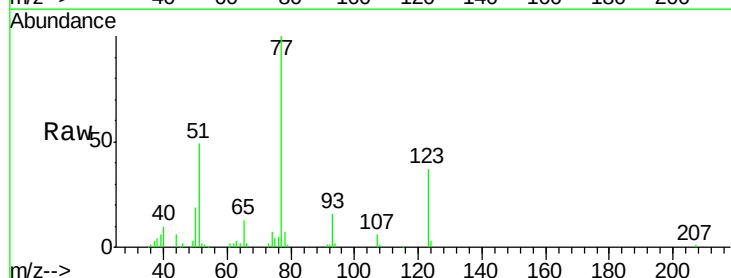
Tgt Ion: 77 Resp: 58562

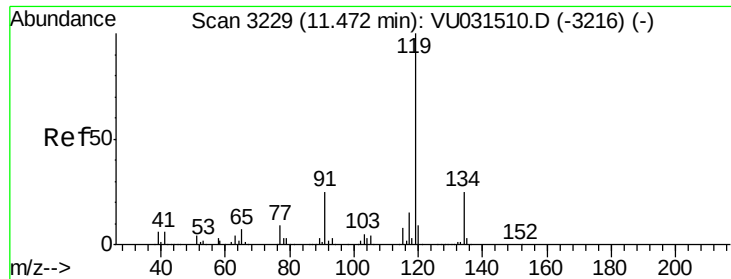
Ion Ratio Lower Upper

77 100

123 39.6 17.2 61.0

65 12.8 9.7 12.3#



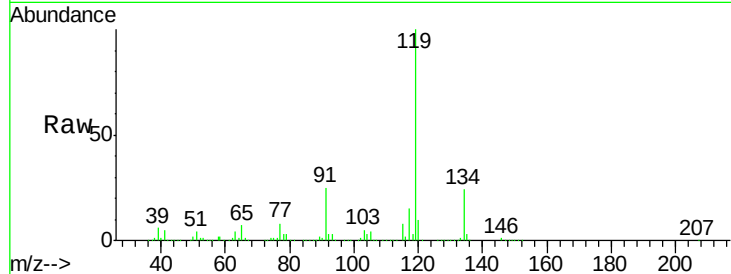


#81
 p-Isopropyltoluene
 Concen: 16.498 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.3	30.5
91	25.2	20.3	30.5

Manual Integrations
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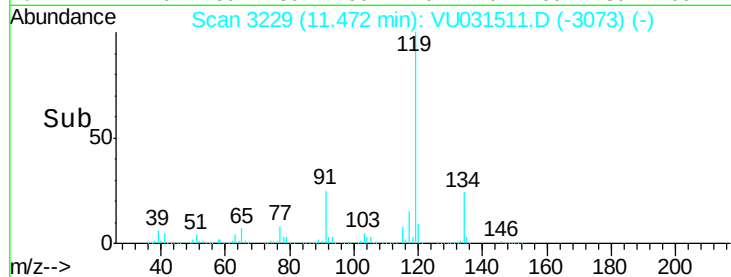
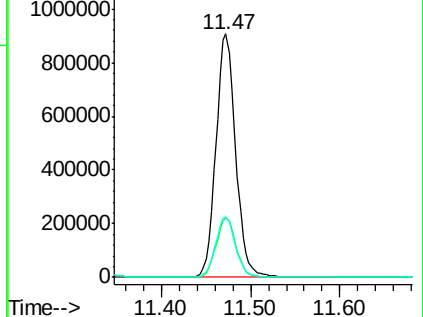


Abundance

Ion 119.00 (118.70 to 119.70): V

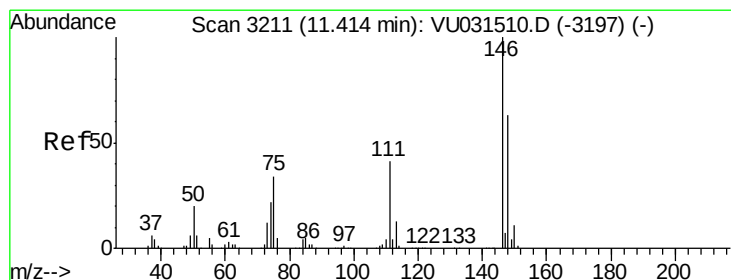
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



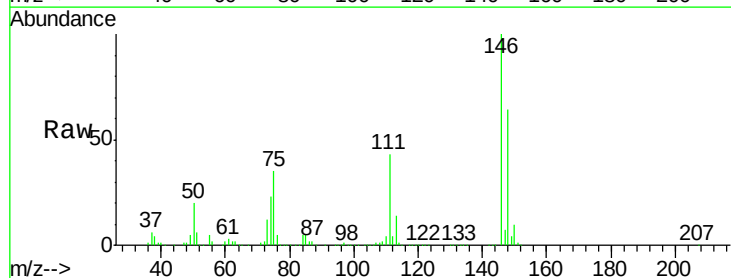
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#82
 1,3-Dichlorobenzene
 Concen: 14.203 ug/l
 RT: 11.41 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	33.4	50.0
148	64.2	50.2	75.4

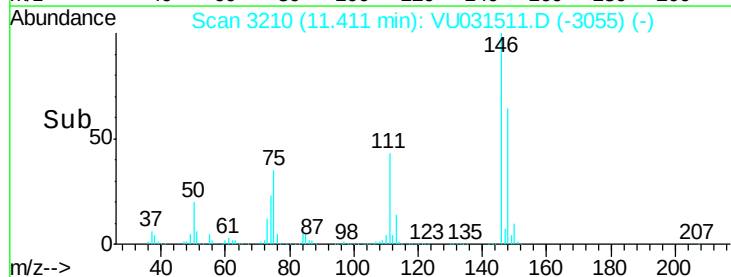
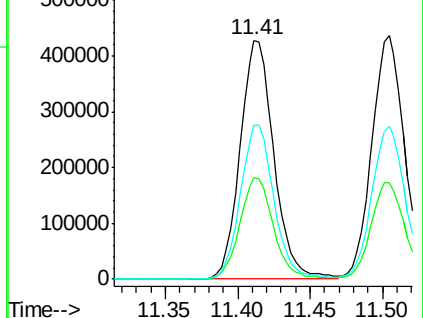


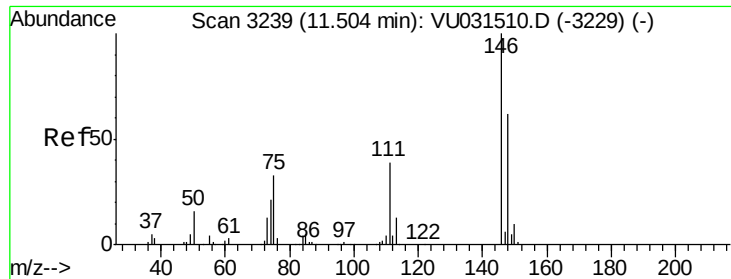
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



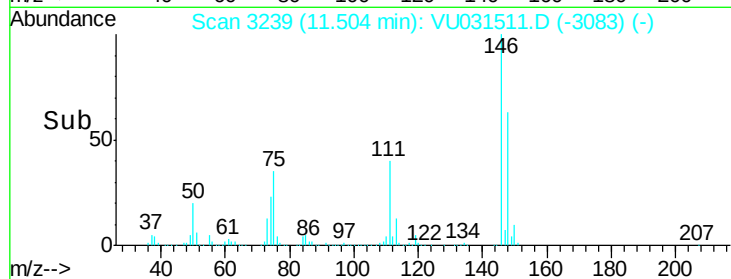
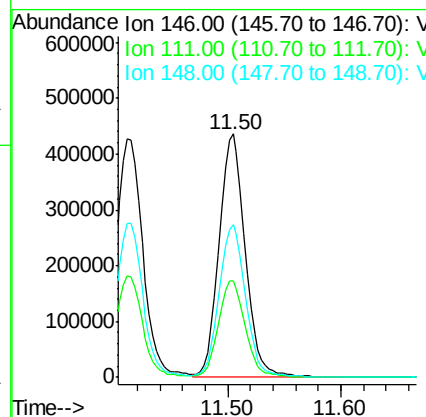
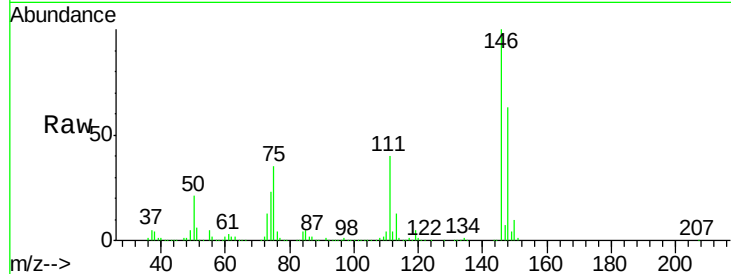


#83
 1,4-Dichlorobenzene
 Concen: 14.867 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC015

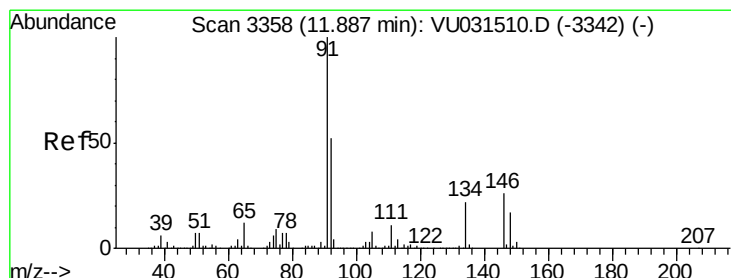
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.2	48.4
148	63.7	51.2	76.8

Manual Integrations
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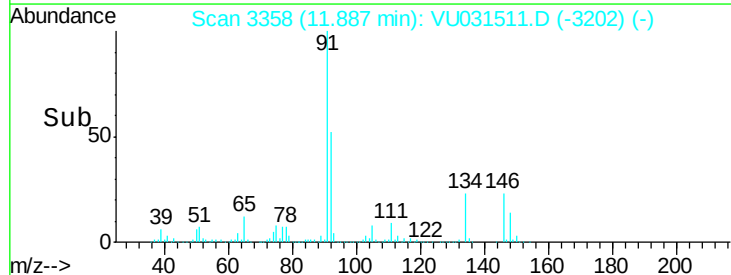
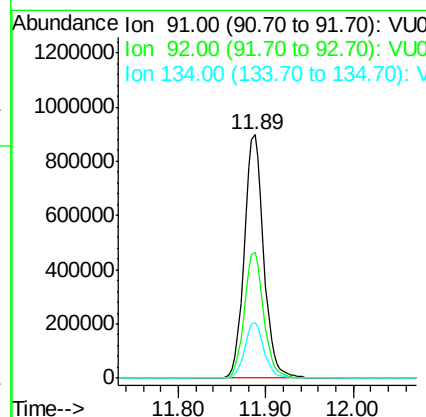
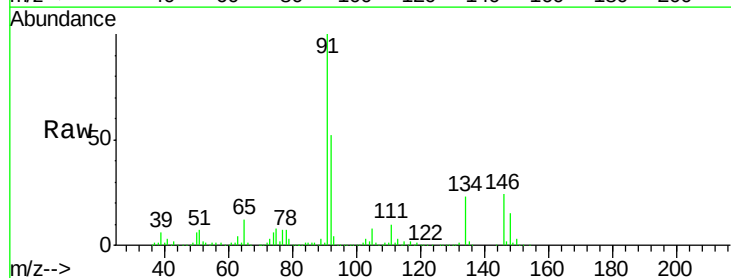
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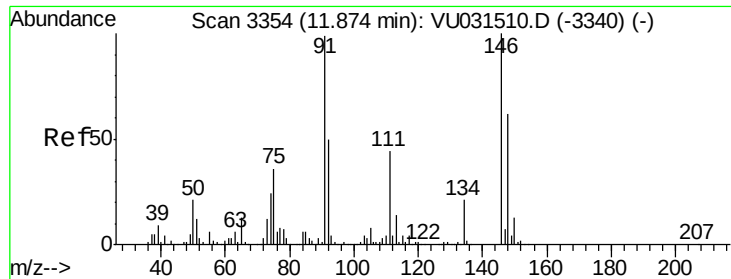
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#84
 n-Butylbenzene
 Concen: 17.024 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	41.2	61.8
134	22.7	18.1	27.1



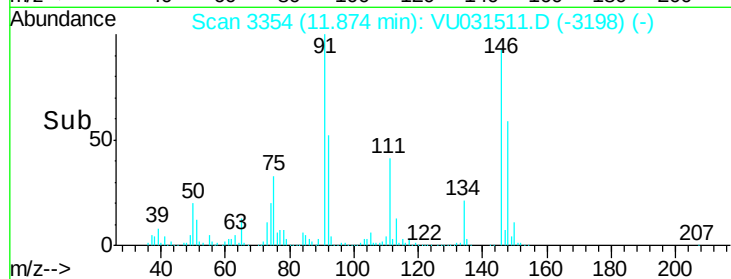
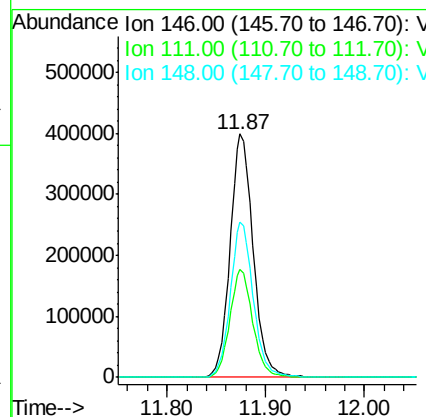
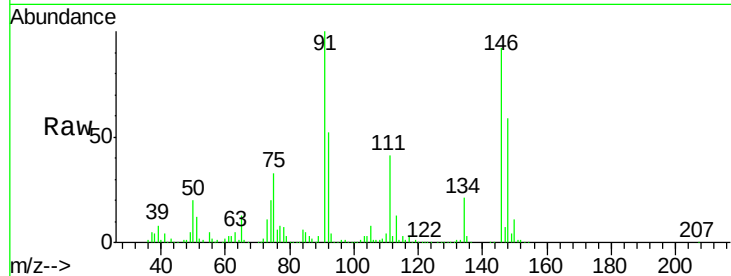


#85
 1,2-Dichlorobenzene
 Concen: 14.397 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

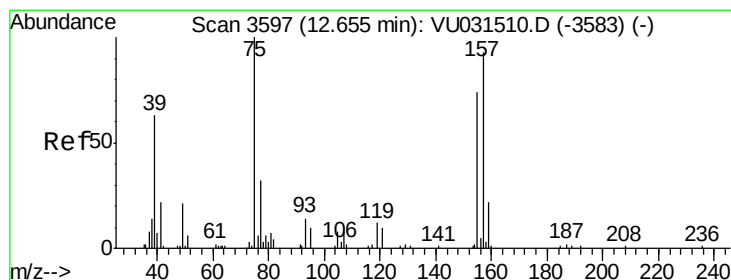
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.7	65.1
148	63.3	31.6	94.7

Manual Integrations
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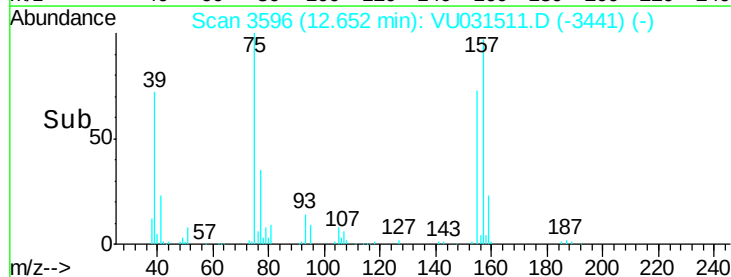
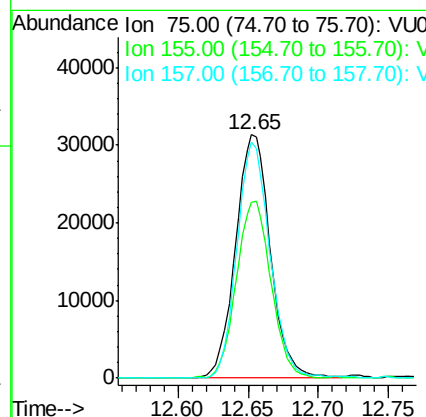
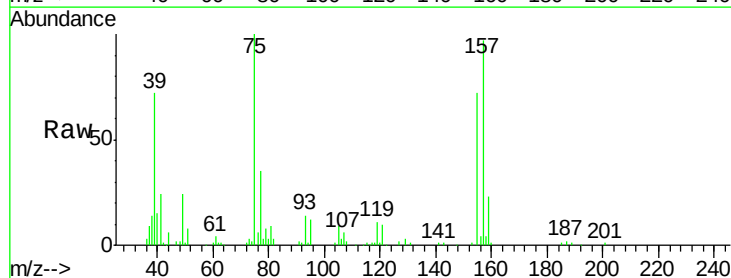
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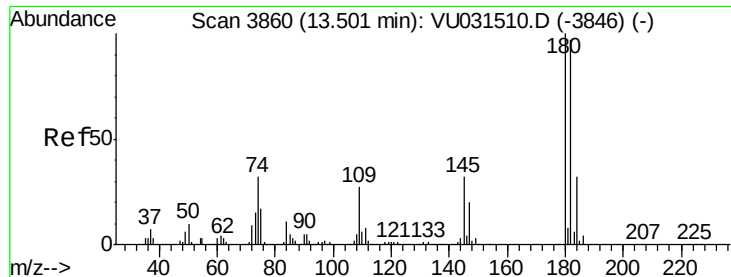
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 15.499 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU031511.D
 Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	58.5	87.7
157	92.0	75.0	112.4





#87

1,2,4-Trichlorobenzene

Concen: 14.963 ug/l

RT: 13.50 min Scan# 3859

Delta R.T. -0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Instrument :

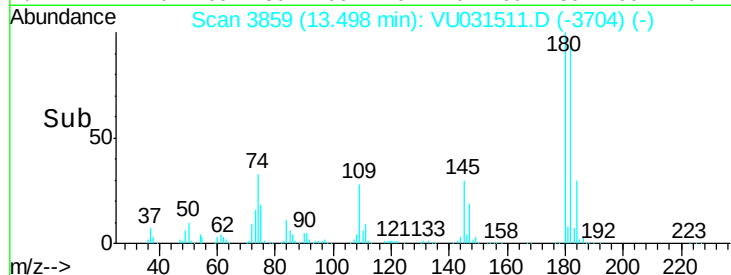
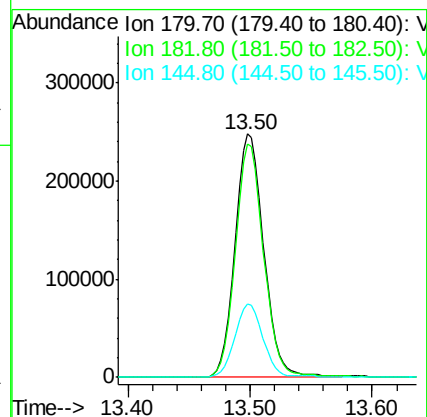
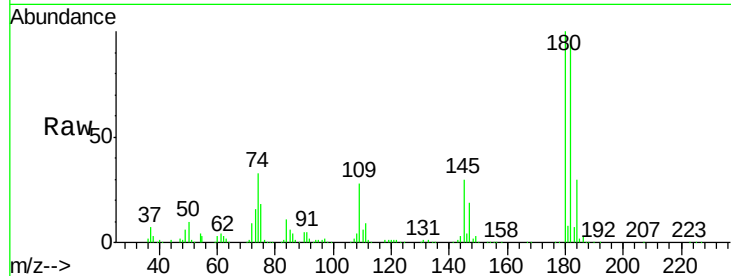
MSVOA_U

ClientSampleId :

VSTDIC015

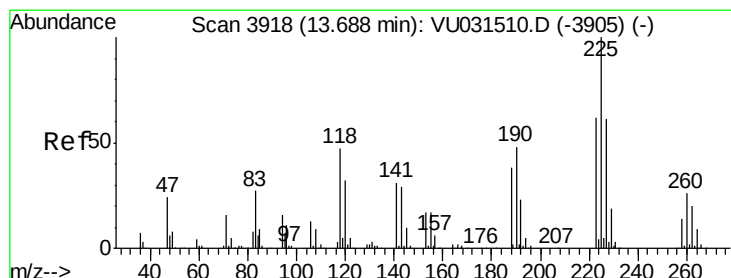
Tot Ion:	180	Resp:	407333
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.5	113.3
145	29.8	23.9	35.9

Manual Integrations
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#88

Hexachlorobutadiene

Concen: 12.942 ug/l

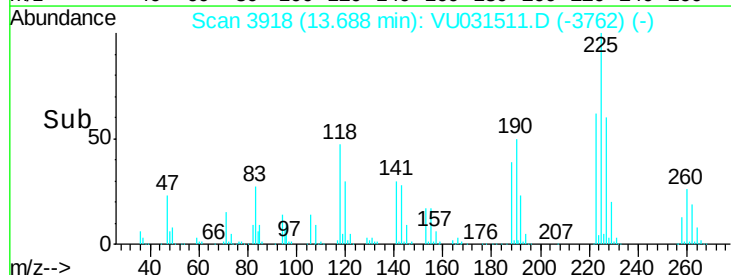
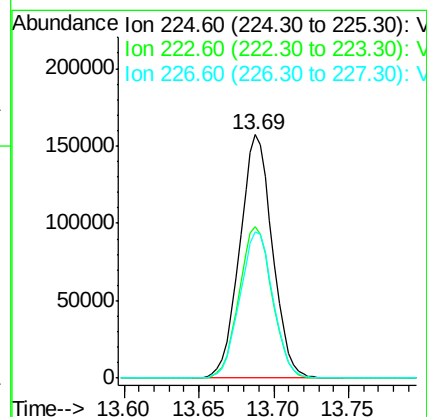
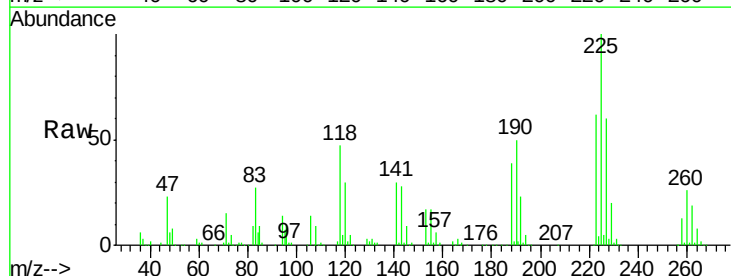
RT: 13.69 min Scan# 3918

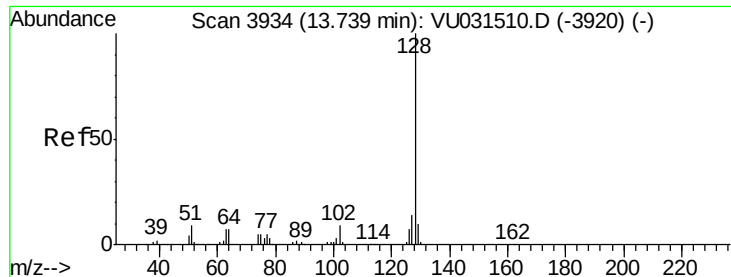
Delta R.T. 0.00 min

Lab File: VU031511.D

Acq: 25 Apr 2019 20:43

Tgt Ion:	225	Resp:	238490
Ion Ratio	Lower	Upper	
225	100		
223	63.2	50.2	75.4
227	61.4	50.4	75.6



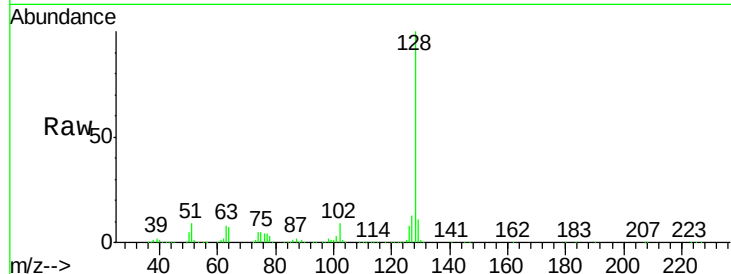


#89
Naphthalene
Concen: 17.098 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

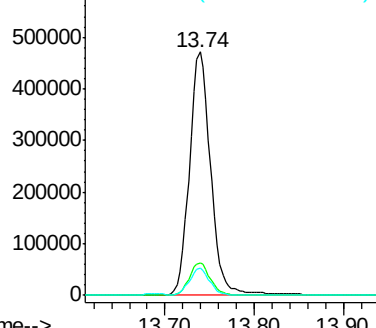
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.3	8.2	12.2

Manual Integrations
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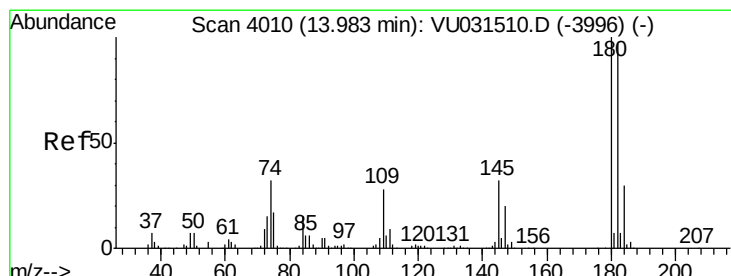
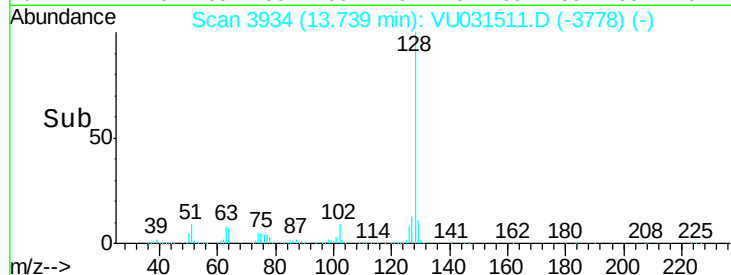


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



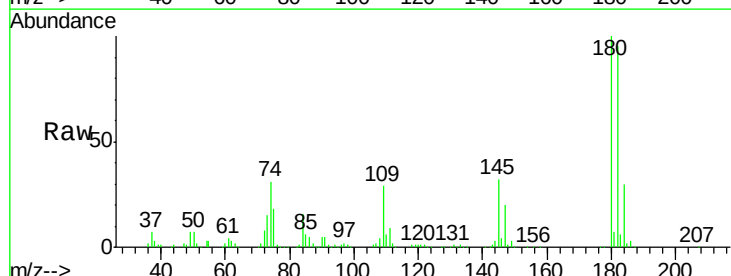
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#90
1,2,3-Trichlorobenzene
Concen: 14.401 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU031511.D
Acq: 25 Apr 2019 20:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.1	115.7
145	32.6	25.9	38.9



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

