

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031507.D
 Acq On : 25 Apr 2019 18:29
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:17 PM

Quant Time: Apr 26 04:38:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	67255	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	23889	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22918	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	34325	1.144	ug/l	99
3) Chloromethane	1.32	50	40856	1.142	ug/l	98
4) Vinyl Chloride	1.40	62	38520	1.137	ug/l	89
5) Bromomethane	1.63	94	18548	1.112	ug/l	99
6) Chloroethane	1.70	64	21712	1.132	ug/l	98
7) Trichlorofluoromethane	1.89	101	45431	1.175	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	22674	1.162	ug/l	96
9) 1,1-Dichloroethene	2.28	96	21253	1.097	ug/l	98
10) Iodomethane	2.41	142	20731	0.988	ug/l	99
11) Allyl Chloride	2.59	41	46161	1.105	ug/l	96
12) Acrylonitrile	2.94	53	13696	2.362	ug/l	99
13) Acetone	2.33	43	31201	5.814	ug/l	97
14) Carbon Disulfide	2.48	76	82022	1.114	ug/l	98
15) Methylene Chloride	2.70	84	28334	1.151	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	24034	1.105	ug/l	82
17) 1,1-Dichloroethane	3.44	63	48270	1.090	ug/l	99
18) 2-Butanone	4.29	43	36312	5.251	ug/l	100
19) Cyclohexane	4.98	56	33698m	0.986	ug/l	
20) Methylcyclohexane	6.41	83	26334	0.957	ug/l	91
21) 2,2-Dichloropropane	4.22	77	36071	1.118	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	24497	1.081	ug/l	97
23) Diethyl Ether	2.11	59	20660	1.119	ug/l	97
24) tert-Butyl Alcohol	2.86	59	20433	10.708	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	60938	1.095	ug/l	98
26) Bromochloromethane	4.55	128	10479	1.084	ug/l	89
27) Chloroform	4.67	83	45667	1.095	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	40128	1.163	ug/l	96
29) 1,1-Dichloropropene	5.13	75	29566	1.053	ug/l	98
30) Carbon Tetrachloride	5.13	117	35165	1.186	ug/l	94
31) Isopropyl Ether	3.58	45	69223	1.044	ug/l	93
32) Ethyl-t-butyl ether	4.07	59	56037	1.033	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	40660	0.943	ug/l #	96
34) Propionitrile	4.36	54	8554	4.860	ug/l #	68
35) Benzene	5.39	78	89832	1.039	ug/l	99
36) 1,2-Dichloroethane	5.41	62	31742	1.151	ug/l	99
37) Trichloroethene	6.19	130	23376	1.091	ug/l	99
38) 1,2-Dichloropropane	6.43	63	25159	1.044	ug/l	100
39) Methacrylonitrile	4.56	41	7937	1.025	ug/l	92
40) Methyl acrylate	4.45	55	8986	1.052	ug/l #	78
41) Tetrahydrofuran	4.66	42	8667	2.063	ug/l	95
42) 1-Chlorobutane	5.06	56	42680	0.995	ug/l	99

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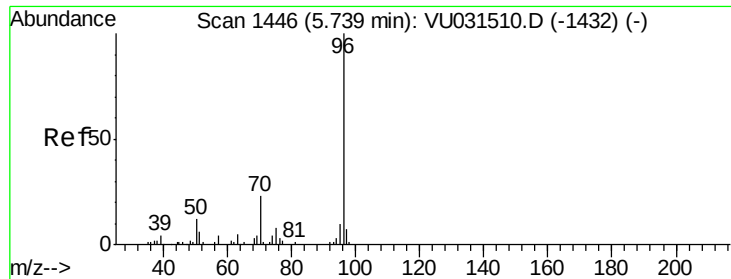
Manual Integrations
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Quant Time: Apr 26 04:38:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:23:17 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	12962	1.106	ug/l	98
44) Bromodichloromethane	6.76	83	32815	1.100	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	68555	4.841	ug/l	94
46) t-1,4-Dichloro-2-butene	10.52	75	7562m	1.690	ug/l	
47) Methyl methacrylate	6.63	69	16955	1.813	ug/l	99
48) Ethyl methacrylate	8.02	69	14823	1.132	ug/l	92
49) Toluene	7.64	92	44415	0.998	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	22875	0.992	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	29334	1.015	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	17511	1.119	ug/l	94
53) 1,3-Dichloropropane	8.24	76	28479	1.057	ug/l	97
54) 2-Hexanone	8.37	43	46681	4.924	ug/l	88
55) Dibromochloromethane	8.48	129	18828	1.078	ug/l	97
56) 1,2-Dibromoethane	8.59	107	14537	1.055	ug/l	100
58) Tetrachloroethene	8.22	164	22564	1.101	ug/l	91
59) Chlorobenzene	9.12	112	46865	1.010	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	18994	1.017	ug/l	98
61) Pentachloroethane	11.10	117	14075	1.098	ug/l	93
62) Hexachloroethane	12.14	117	13222	1.031	ug/l	99
63) Ethyl Benzene	9.25	91	71543	0.927	ug/l	95
64) m/p-Xylenes	9.37	106	51391	1.784	ug/l	99
65) o-Xylene	9.78	106	27214	0.961	ug/l	92
66) Styrene	9.79	104	40377	1.023	ug/l	97
67) Bromoform	9.96	173	10329	1.058	ug/l	95
69) Isopropylbenzene	10.16	105	68983	0.943	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	22328	1.113	ug/l	95
71) 1,2,3-Trichloropropane	10.49	75	15884m	1.111	ug/l	
72) Bromobenzene	10.45	156	19091	1.014	ug/l	96
73) n-propylbenzene	10.58	120	16404	0.994	ug/l	84
74) 2-Chlorotoluene	10.66	126	17763	0.973	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	54227	0.959	ug/l	95
76) 4-Chlorotoluene	10.77	126	15319	0.906	ug/l	84
77) tert-Butylbenzene	11.10	119	56365	0.961	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	53236	0.937	ug/l	99
79) sec-Butylbenzene	11.32	105	75649	0.994	ug/l	97
81) p-Isopropyltoluene	11.47	119	55411	1.009	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	37615	1.020	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	34030	0.967	ug/l	96
84) n-Butylbenzene	11.89	91	54249	1.073	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	34930	1.008	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3027	1.095	ug/l #	84
87) 1,2,4-Trichlorobenzene	13.51	180	14958	0.829	ug/l	95
88) Hexachlorobutadiene	13.69	225	13997	1.076	ug/l	98
89) Naphthalene	13.75	128	24215	1.186	ug/l	96
90) 1,2,3-Trichlorobenzene	13.99	180	15850	1.009	ug/l #	89

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031507.D

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Instrument :

MSVOA_U

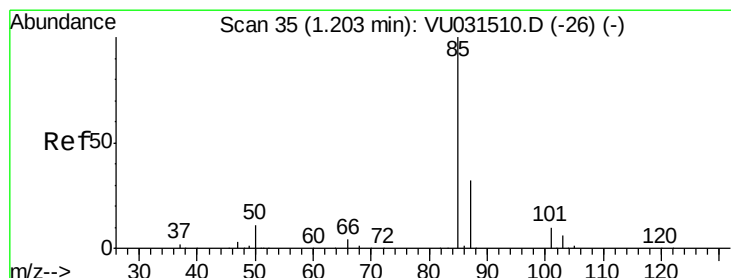
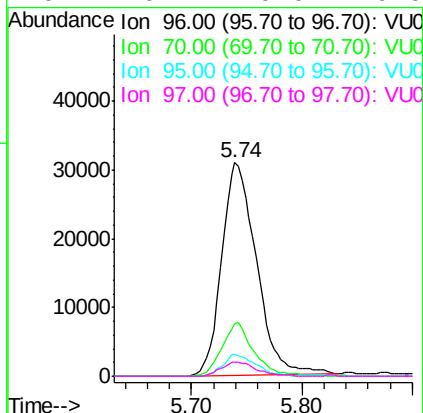
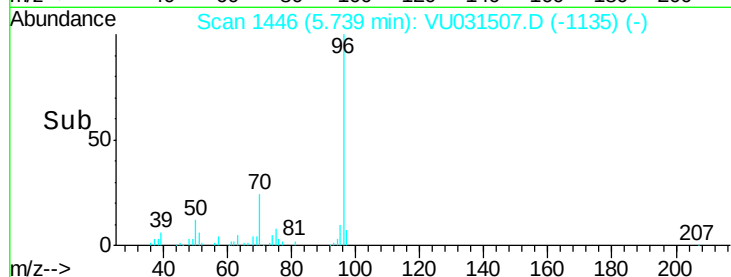
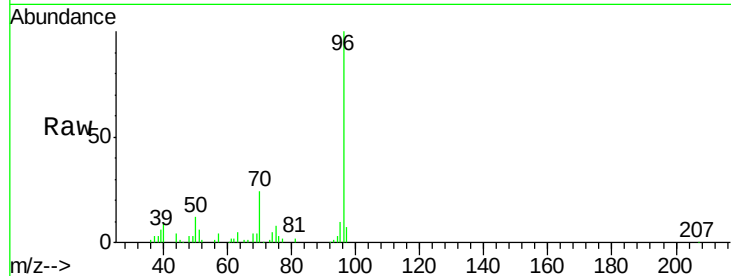
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	67255
Ion	Ratio	Lower	Upper
96	100		
70	23.3	18.2	27.2
95	9.8	7.7	11.5
97	6.7	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.144 ug/l

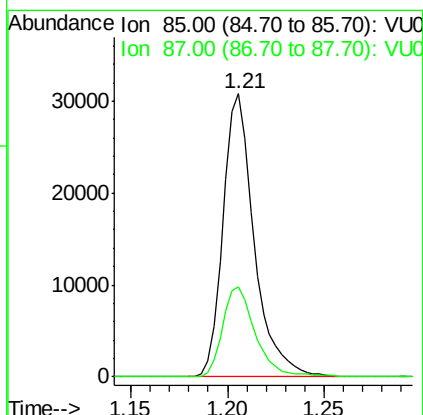
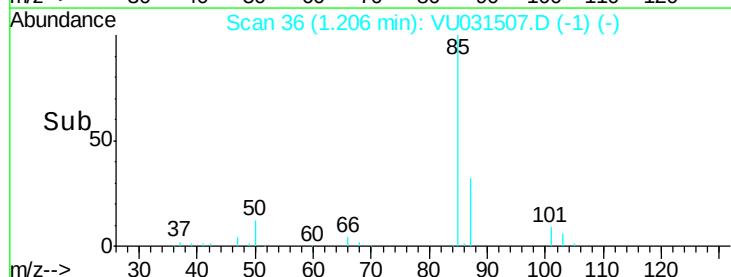
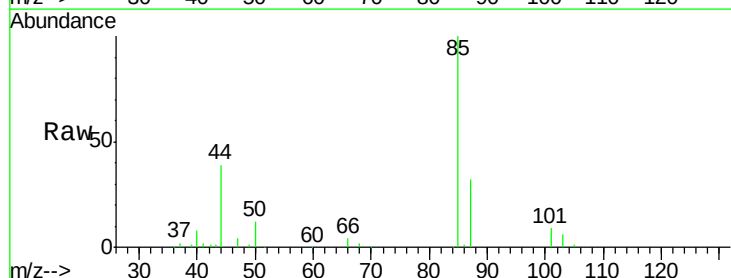
RT: 1.21 min Scan# 36

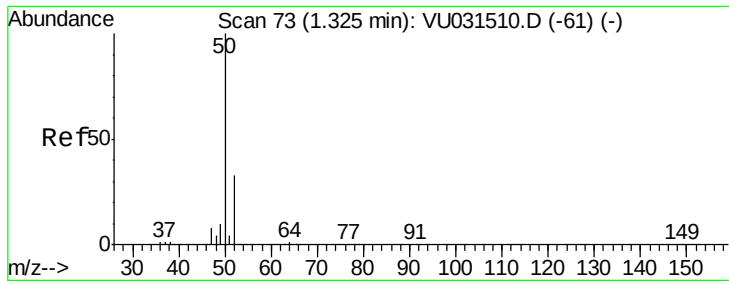
Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tgt Ion:	85	Resp:	34325
Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.1	48.2





#3

Chloromethane

Concen: 1.142 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 40856

Ion Ratio Lower Upper

50 100

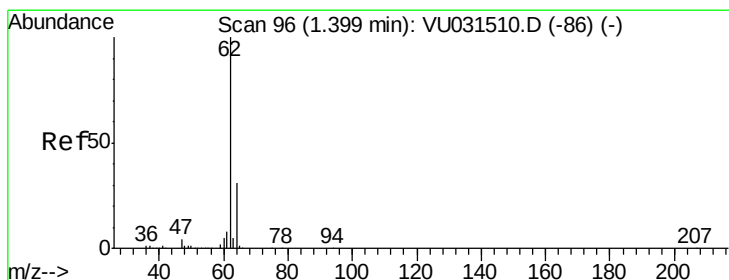
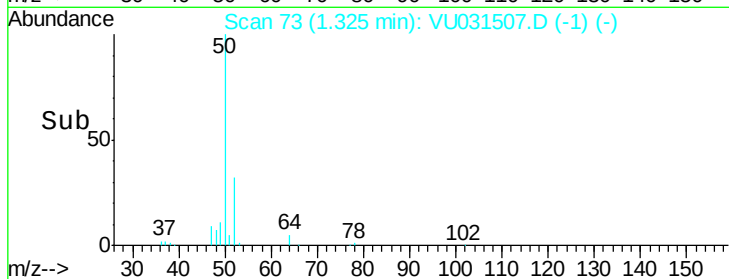
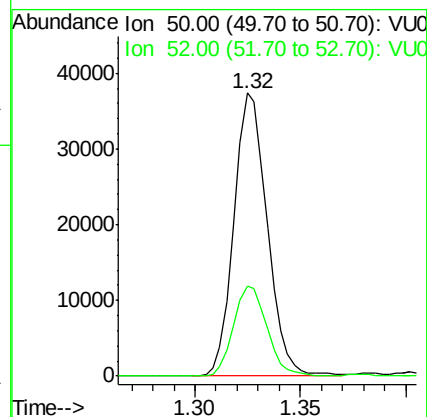
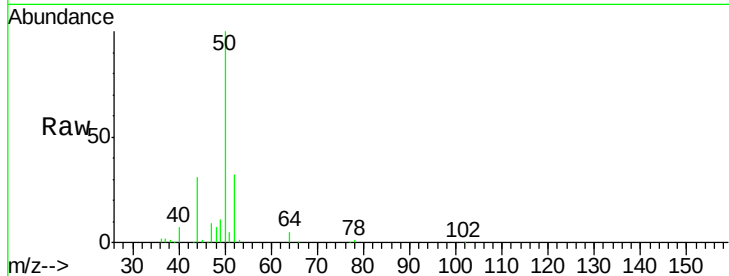
52 31.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.137 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031507.D

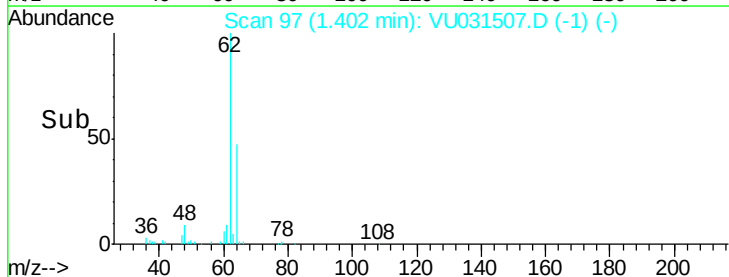
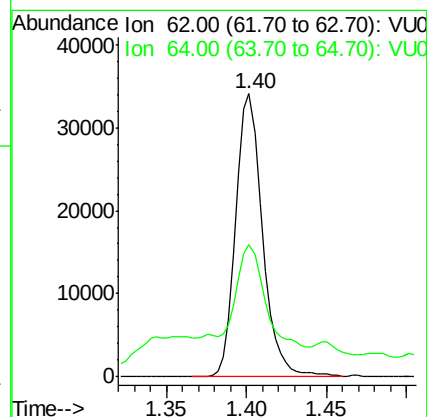
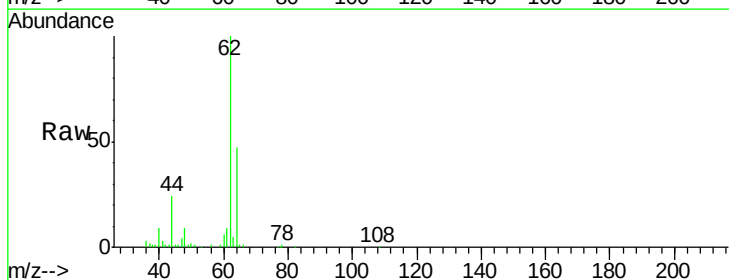
Acq: 25 Apr 2019 18:29

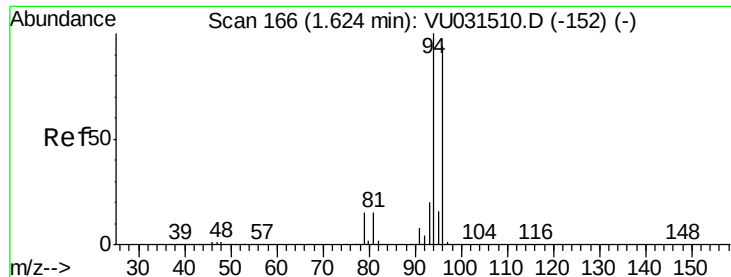
Tgt Ion: 62 Resp: 38520

Ion Ratio Lower Upper

62 100

64 38.1 25.5 38.3





#5

Bromomethane

Concen: 1.112 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 18548

Ion Ratio Lower Upper

94 100

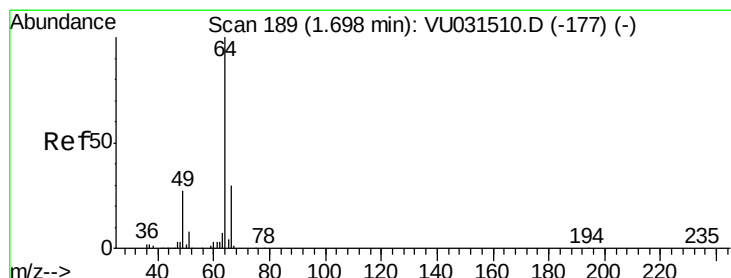
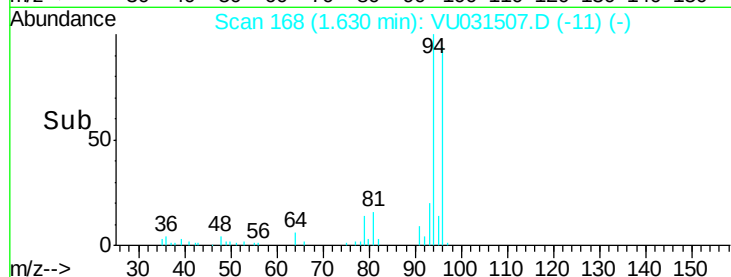
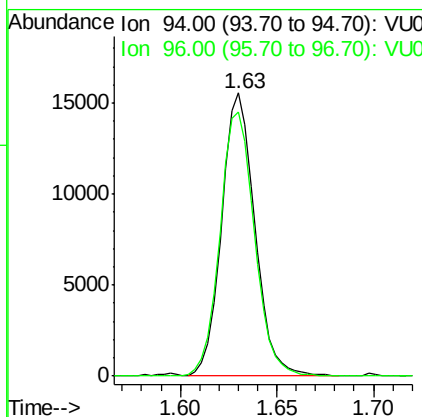
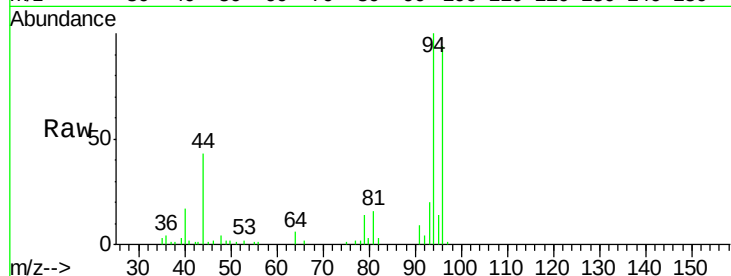
96 93.5 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 1.132 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031507.D

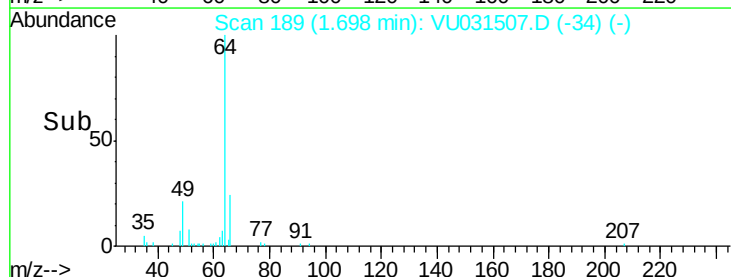
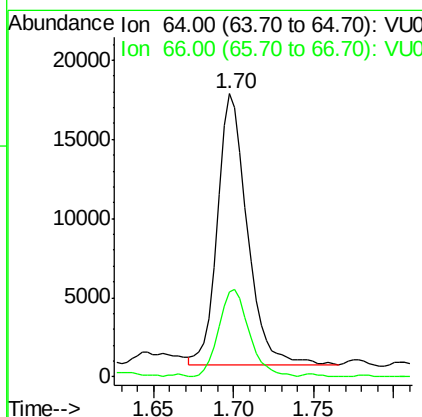
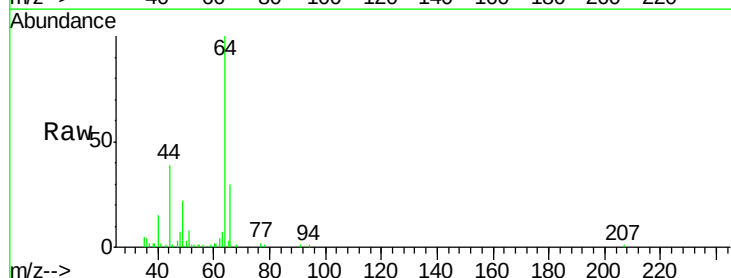
Acq: 25 Apr 2019 18:29

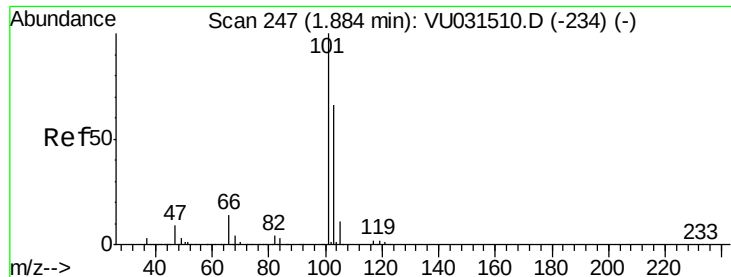
Tgt Ion: 64 Resp: 21712

Ion Ratio Lower Upper

64 100

66 31.2 24.3 36.5





#7

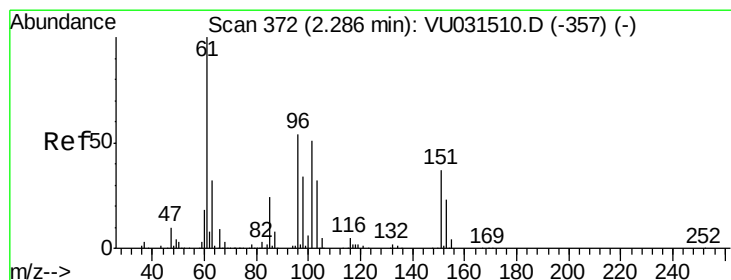
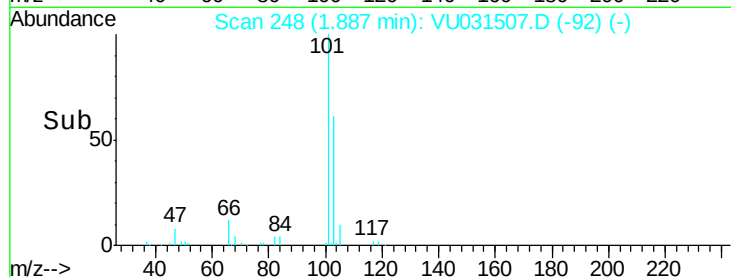
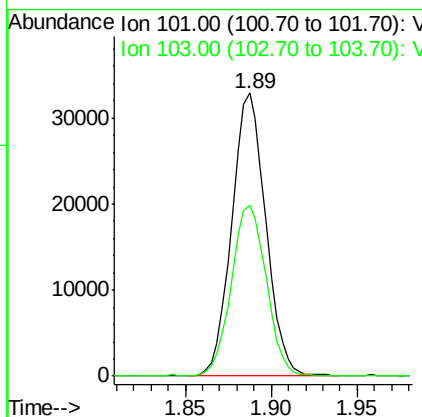
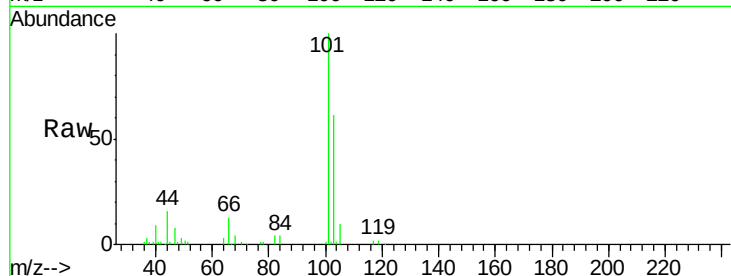
Trichlorofluoromethane
Concen: 1.175 ug/l
RT: 1.89 min Scan# 248
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	52.8	79.2

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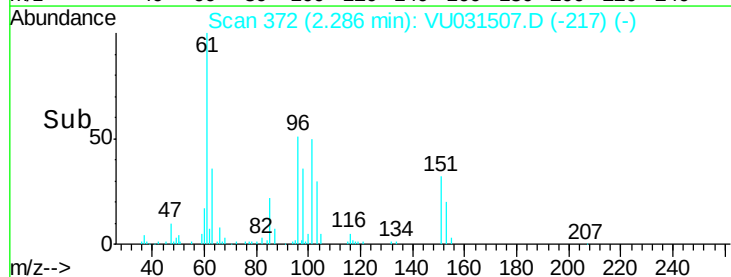
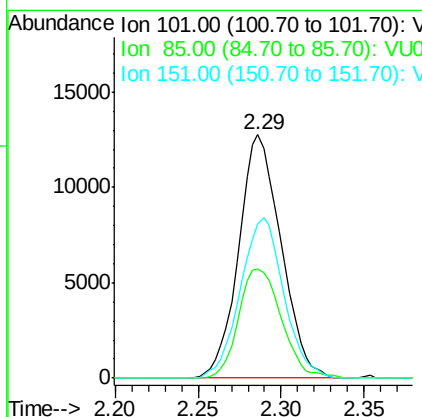
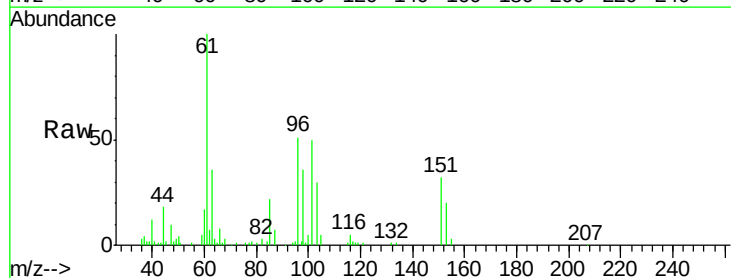
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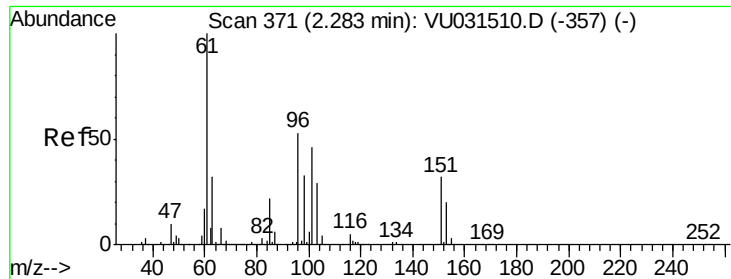


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.162 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.4	37.8	56.6
151	67.5	57.4	86.0





#9

1,1-Dichloroethene

Concen: 1.097 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

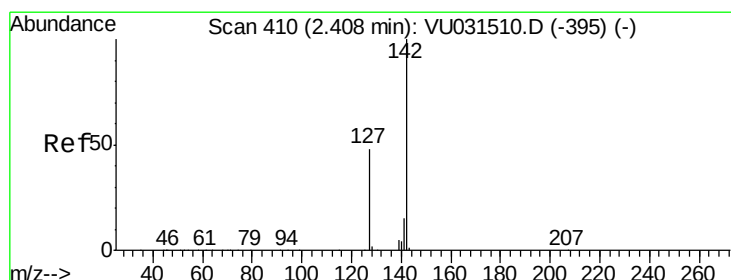
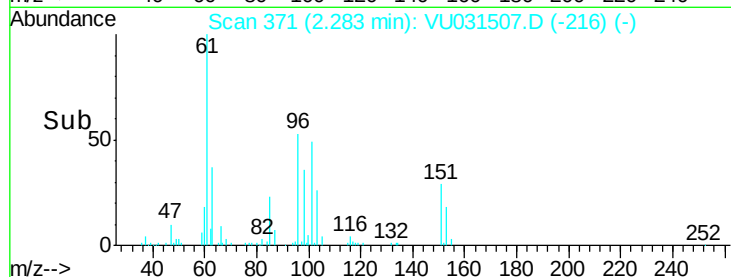
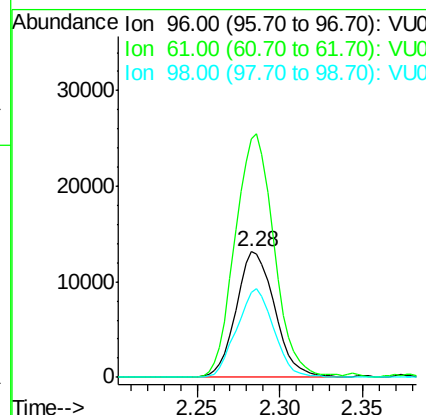
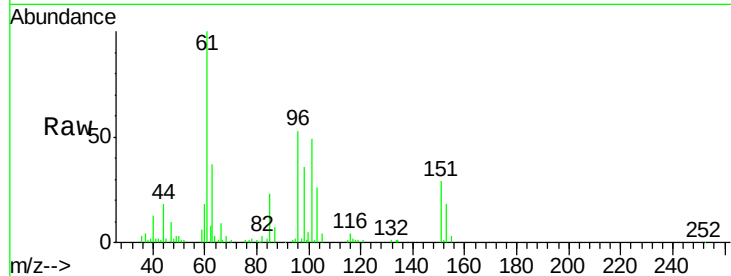
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	21253
Ion	Ratio	Lower	Upper
96	100		
61	189.6	0.0	566.7
98	68.1	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 0.988 ug/l

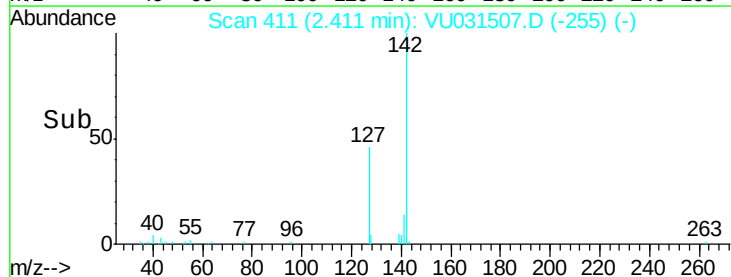
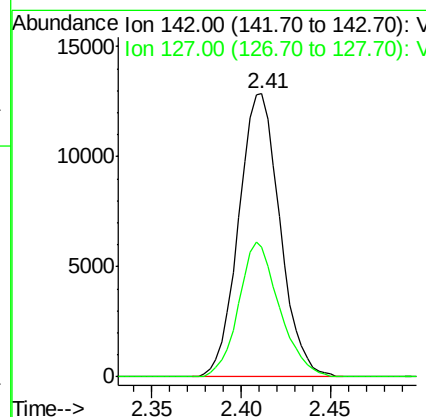
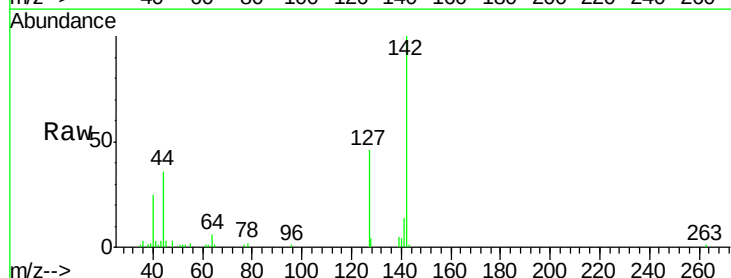
RT: 2.41 min Scan# 411

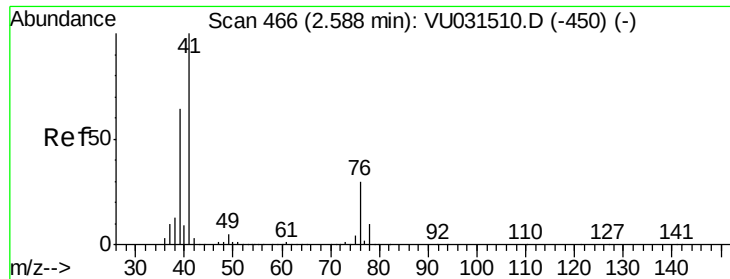
Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tgt Ion:	142	Resp:	20731
Ion	Ratio	Lower	Upper
142	100		
127	46.8	38.2	57.2





#11

Allvl Chloride

Concen: 1.105 ug/l

RT: 2.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 46161

Ion Ratio Lower Upper

41 100

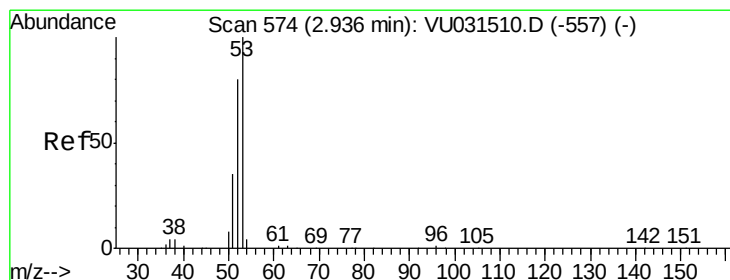
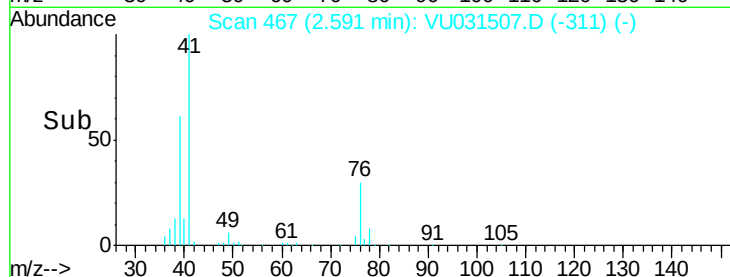
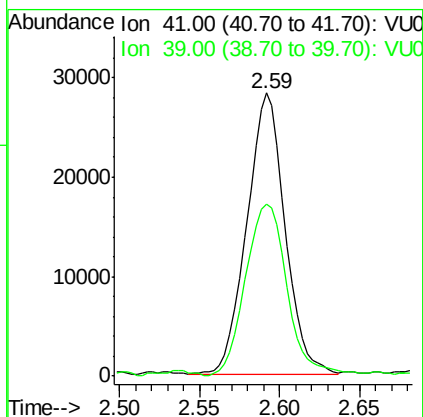
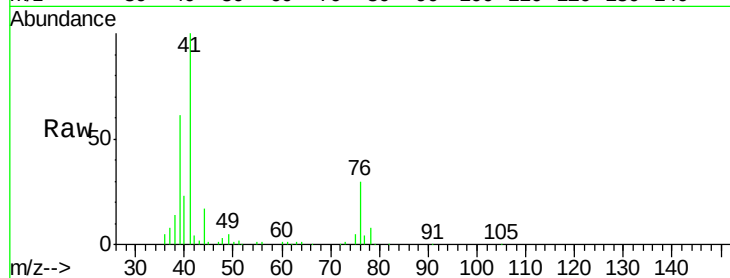
39 67.5 51.4 77.0

Manual Integrations

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MMdadoda

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#12

Acrylonitrile

Concen: 2.362 ug/l

RT: 2.94 min Scan# 576

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

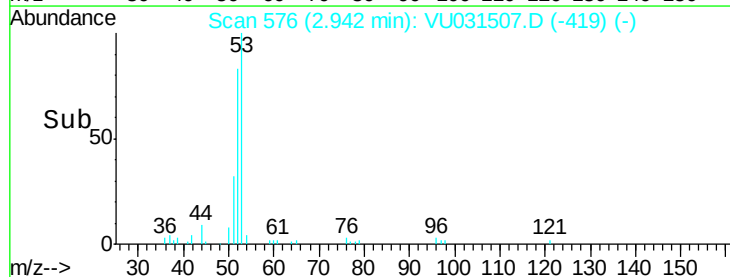
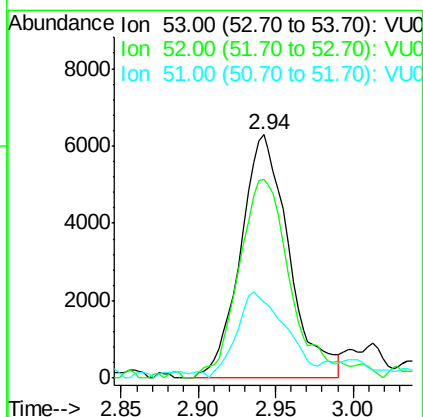
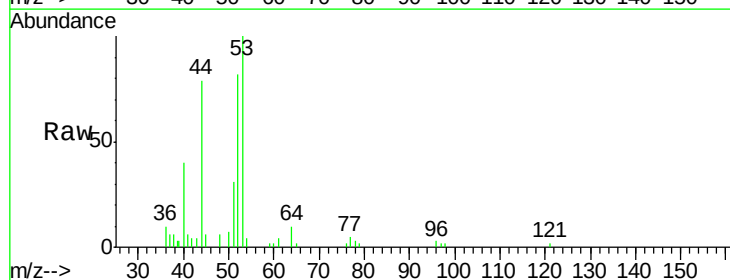
Tgt Ion: 53 Resp: 13696

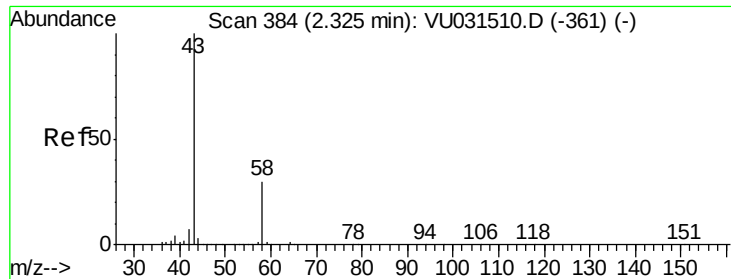
Ion Ratio Lower Upper

53 100

52 86.6 69.4 104.0

51 35.9 27.5 41.3





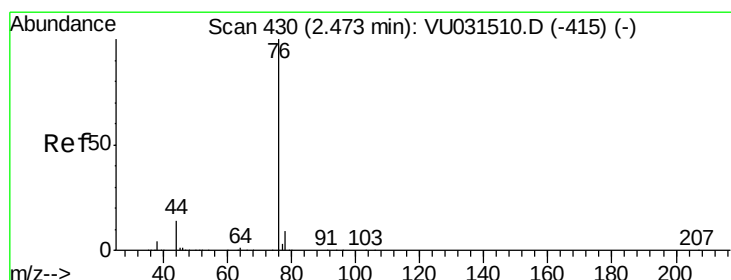
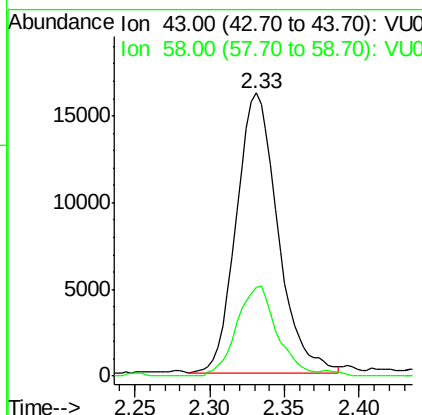
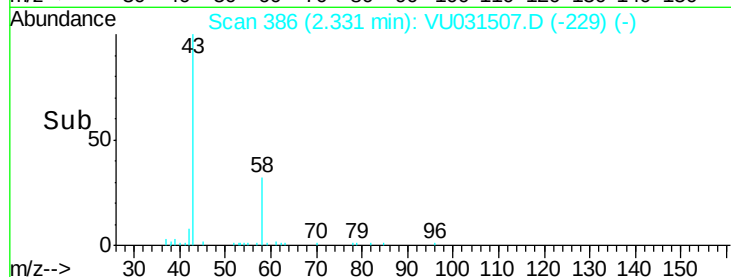
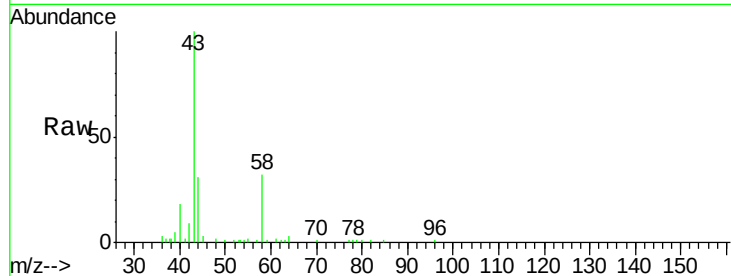
#13
Acetone
Concen: 5.814 ug/l
RT: 2.33 min Scan# 386
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.1	36.1

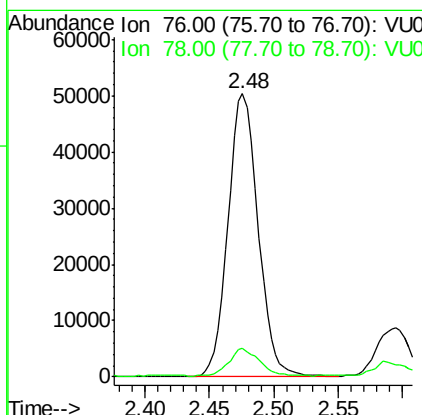
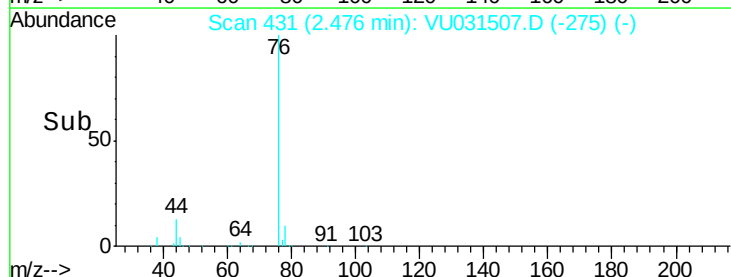
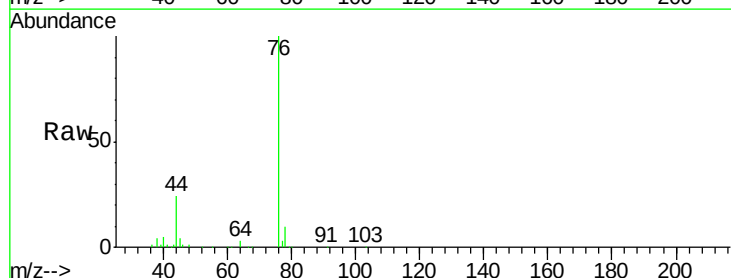
Manual Integrations
APPROVED

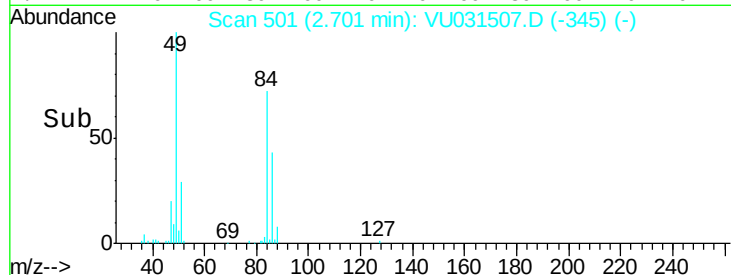
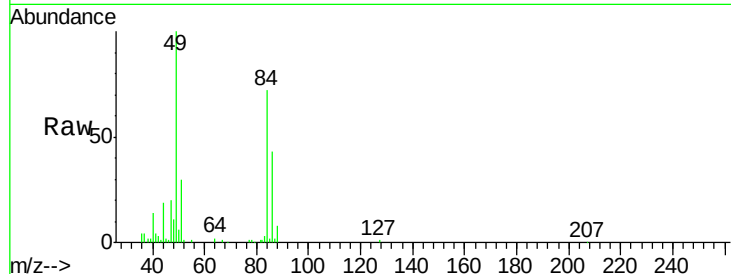
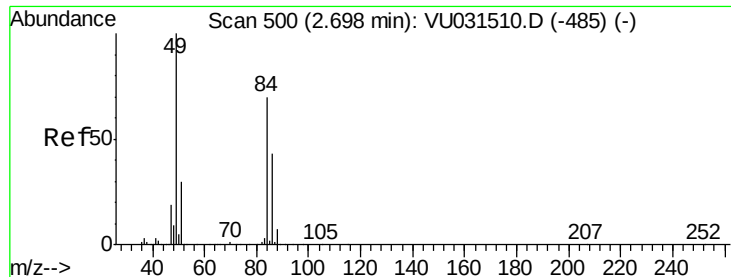
MMDadoda
4/26/2019 12:22:17 PM



#14
Carbon Disulfide
Concen: 1.114 ug/l
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.2	10.8





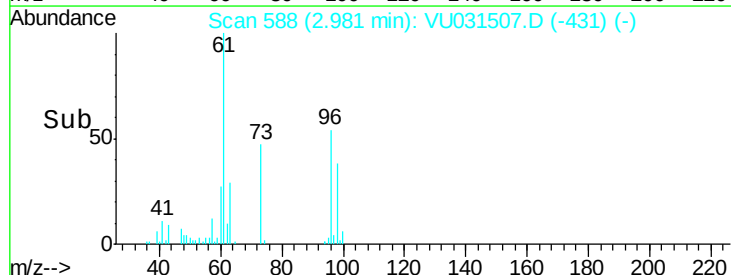
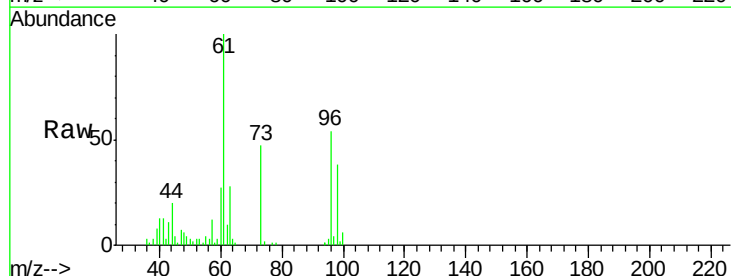
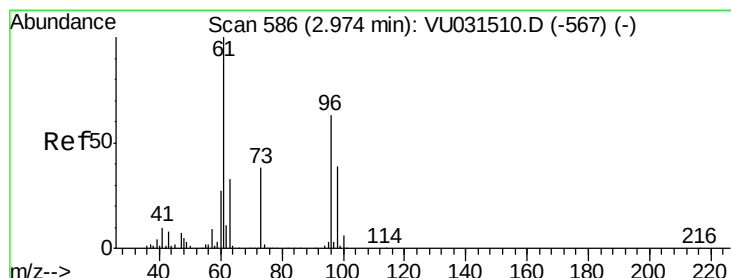
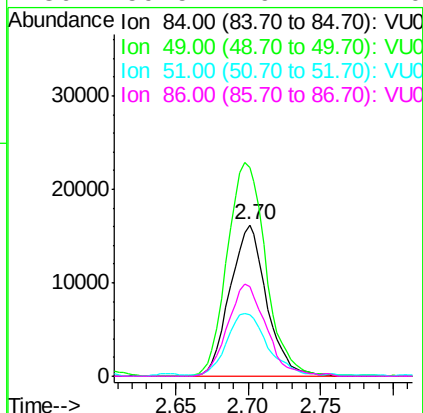
#15
Methylene Chloride
Concen: 1.151 ug/l
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tot Ion:	84	Resp:	28334
Ion	Ratio	Lower	Upper
84	100		
49	138.0	113.6	170.4
51	40.3	0.0	85.6
86	59.5	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

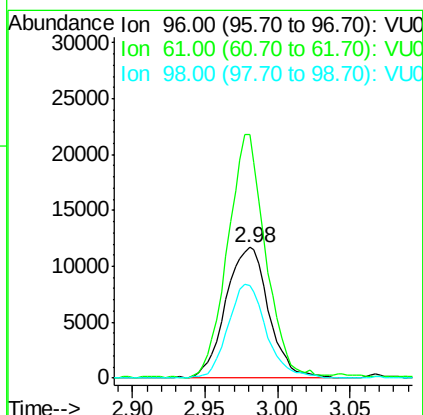
Manual Integrations
APPROVED

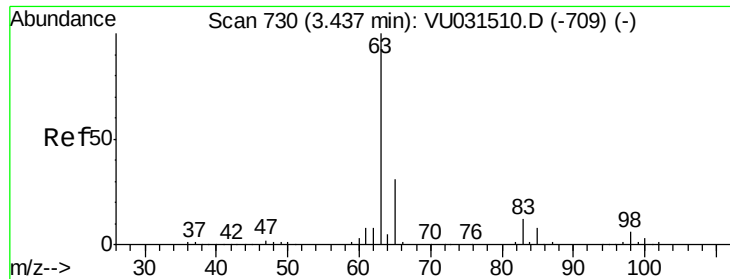
MMdadoda
4/26/2019 12:22:17 PM



#16
trans-1,2-Dichloroethene
Concen: 1.105 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion:	96	Resp:	24034
Ion	Ratio	Lower	Upper
96	100		
61	186.1	127.2	190.8
98	71.2	49.4	74.0





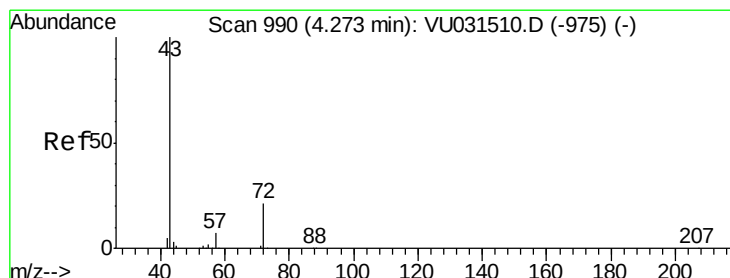
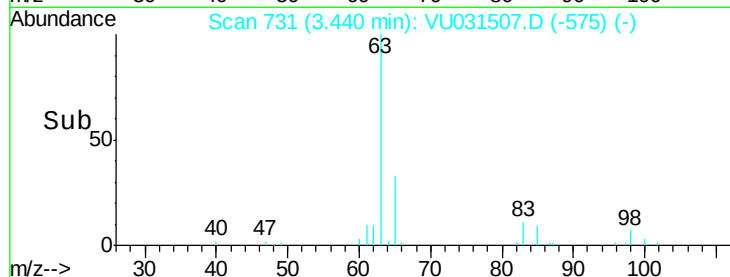
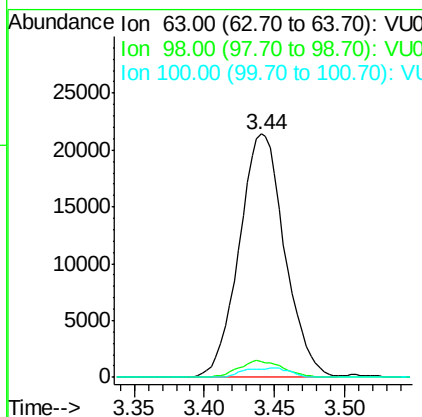
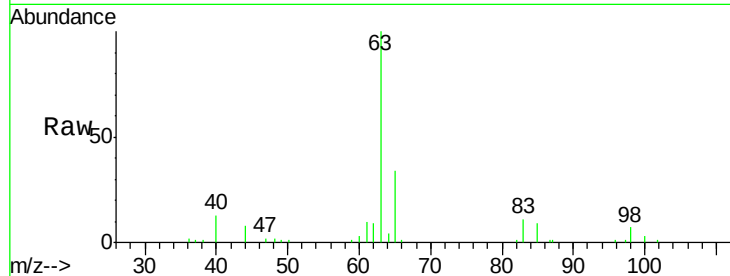
#17
 1,1-Dichloroethane
 Concen: 1.090 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	48270		
98	6.6		3.0	9.2
100	3.2		1.7	5.1

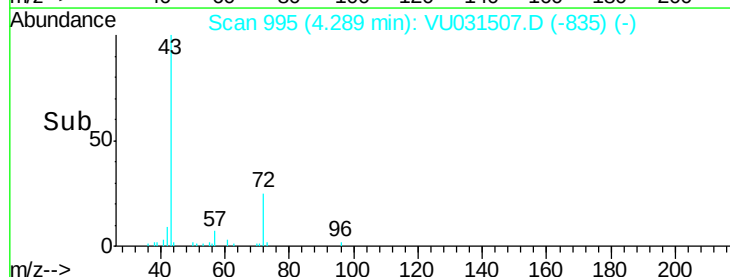
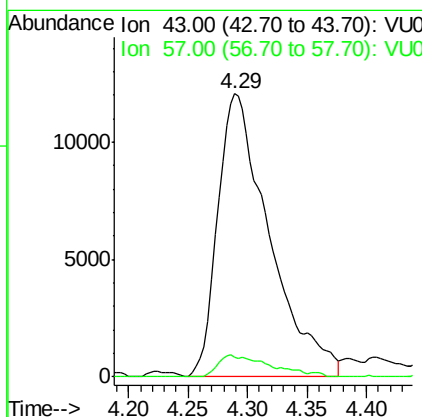
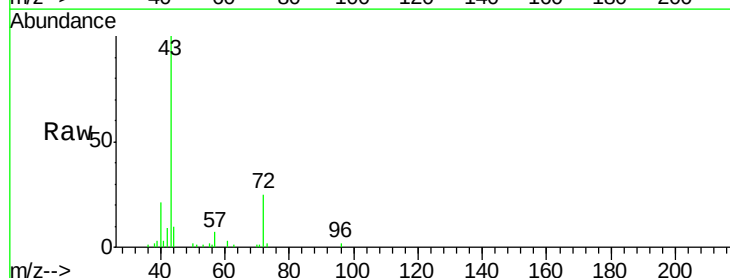
Manual Integrations
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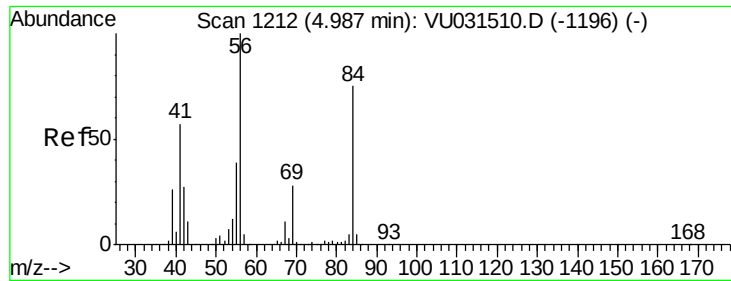
MMDadoda
 4/26/2019 12:22:17 PM



#18
 2-Butanone
 Concen: 5.251 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	36312		
57	7.0		0.0	14.2





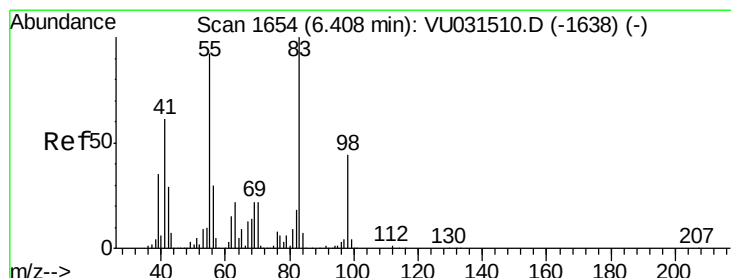
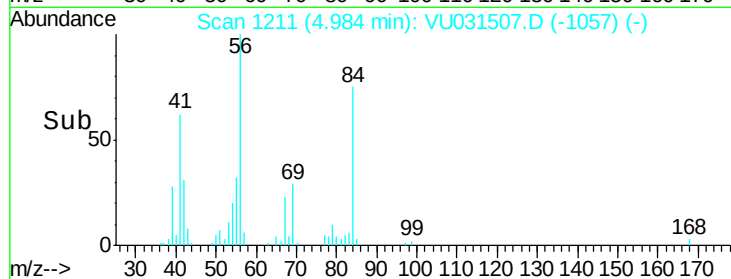
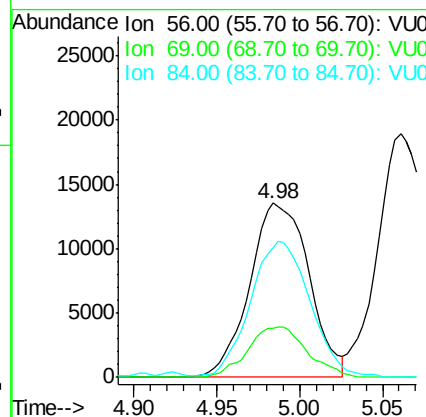
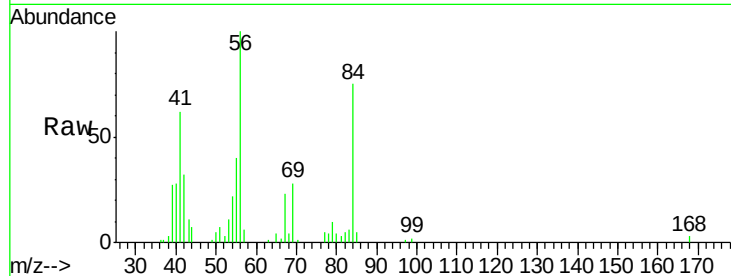
#19
Cyclohexane
Concen: 0.986 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	56	Resp	33698
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.4	33.6
84	77.4	59.0	88.4

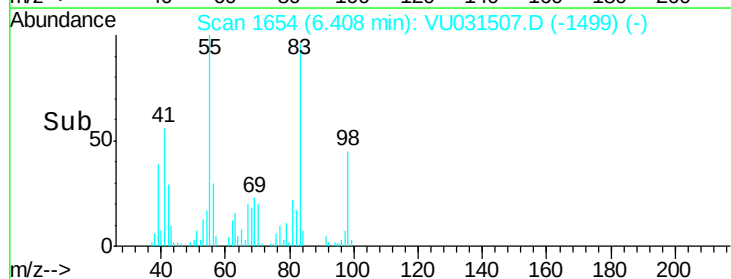
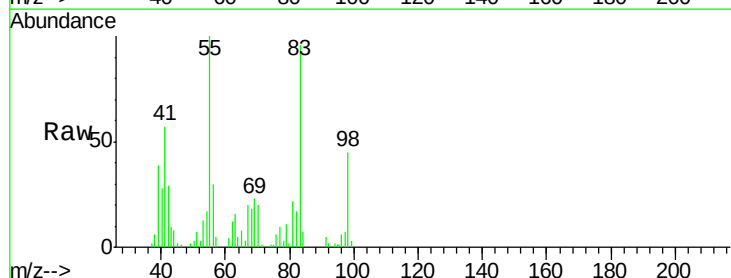
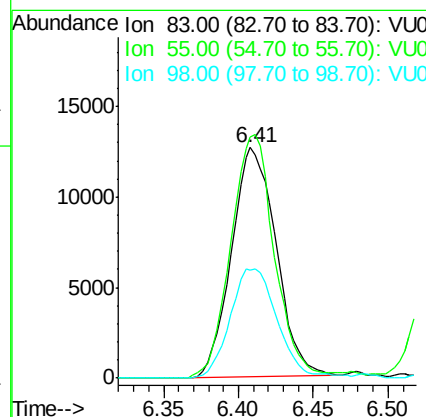
Manual Integrations
APPROVED

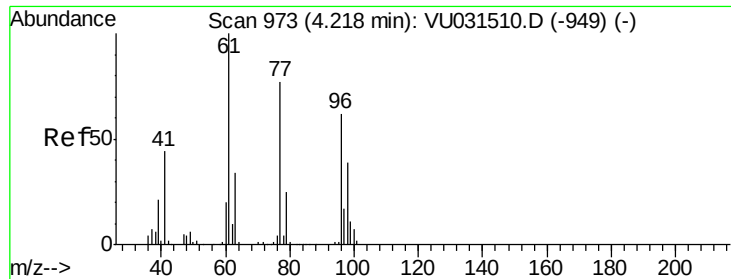
MMdadoda
4/26/2019 12:22:17 PM



#20
Methylcyclohexane
Concen: 0.957 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	83	Resp	26334
Ion	Ratio	Lower	Upper
83	100		
55	101.0	73.7	110.5
98	48.8	35.2	52.8





#21

2,2-Dichloropropane

Concen: 1.118 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 36071

Ion Ratio Lower Upper

77 100

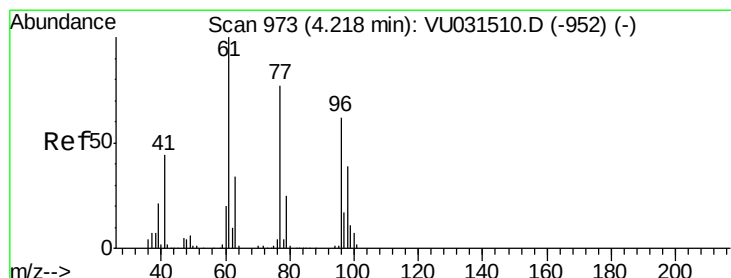
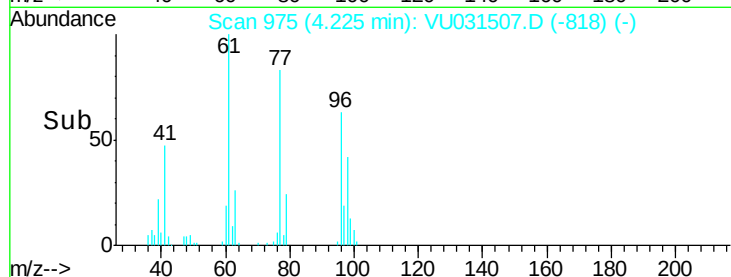
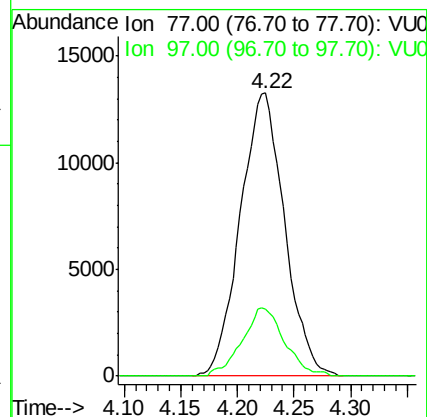
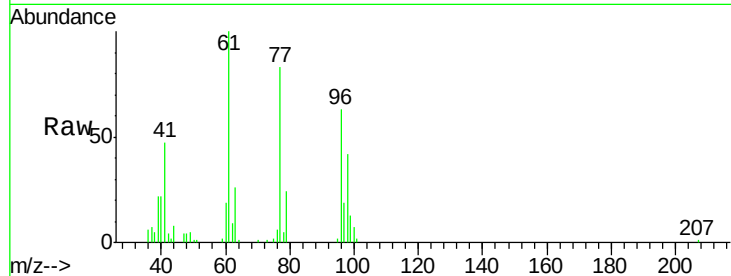
97 23.1 17.5 26.3

Manual Integrations

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MMdadoda

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#22

cis-1,2-Dichloroethene

Concen: 1.081 ug/l

RT: 4.22 min Scan# 975

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

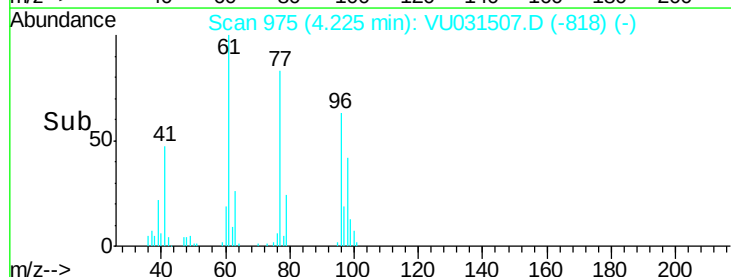
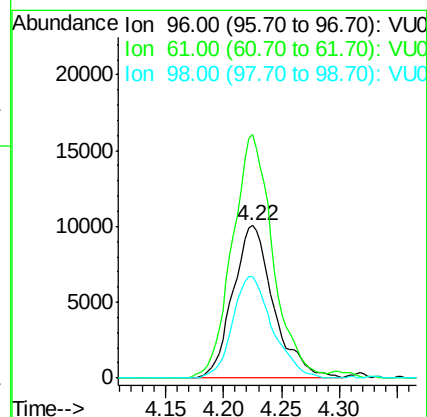
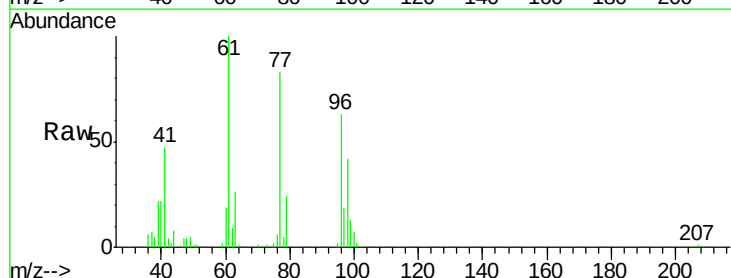
Tgt Ion: 96 Resp: 24497

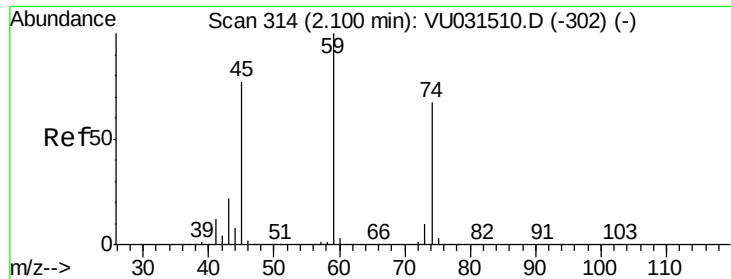
Ion Ratio Lower Upper

96 100

61 159.0 0.0 408.8

98 65.0 31.1 93.3





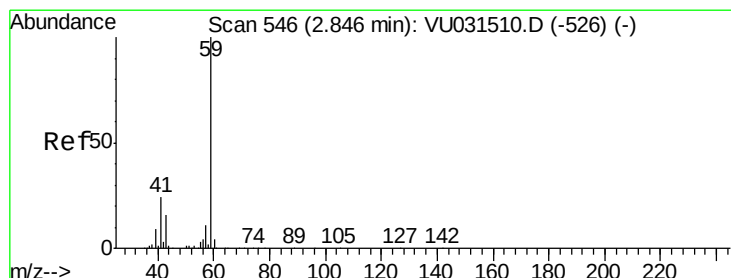
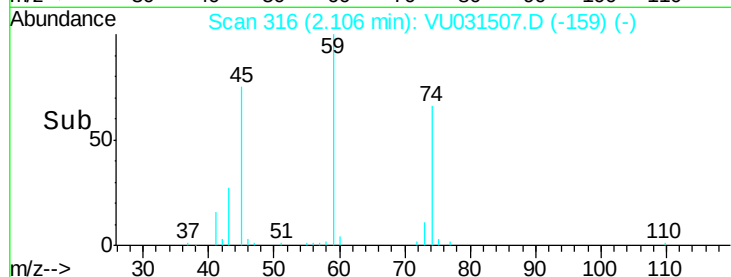
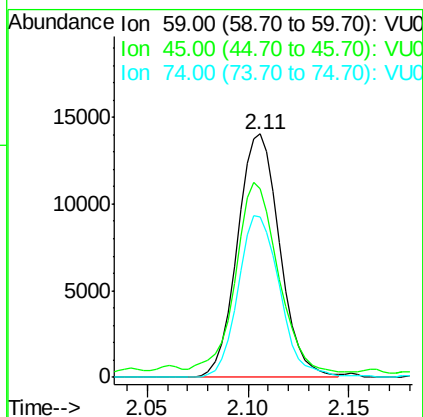
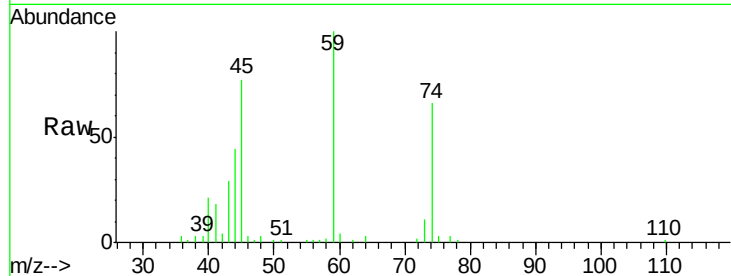
#23
Diethyl Ether
Concen: 1.119 ug/l
RT: 2.11 min Scan# 316
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
45	78.5	64.5	96.7
74	65.5	54.6	81.8

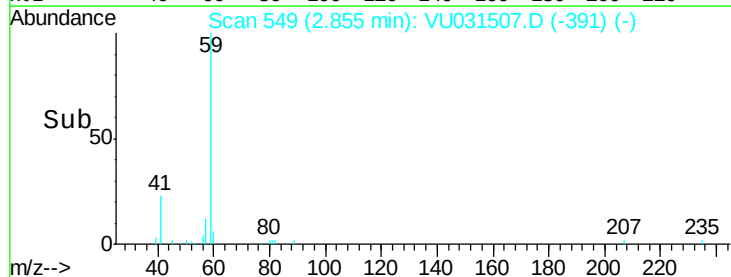
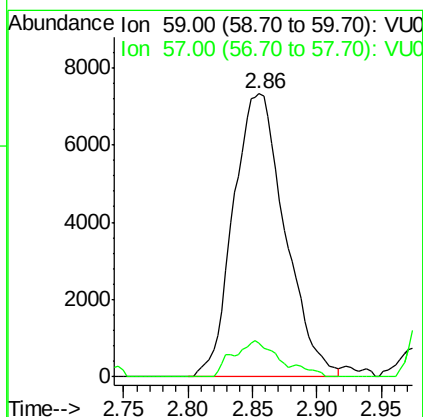
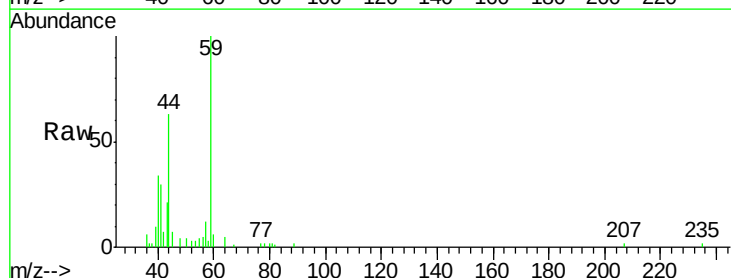
Manual Integrations
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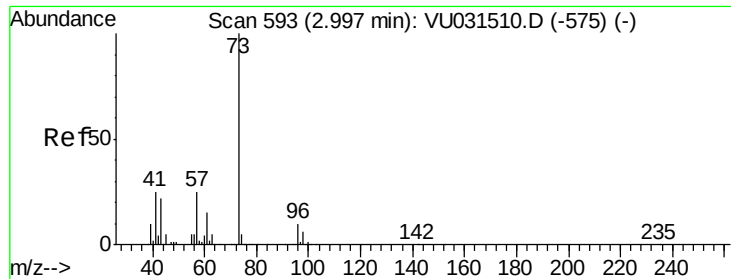
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 10.708 ug/l
RT: 2.86 min Scan# 549
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2





#25

Methyl tert-Butyl Ether

Concen: 1.095 ug/l

RT: 3.00 min Scan# 595

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tot Ion: 73 Resp: 60938

Ion Ratio Lower Upper

73 100

43 22.2 16.9 25.3

Instrument :

MSVOA_U

ClientSampleId :

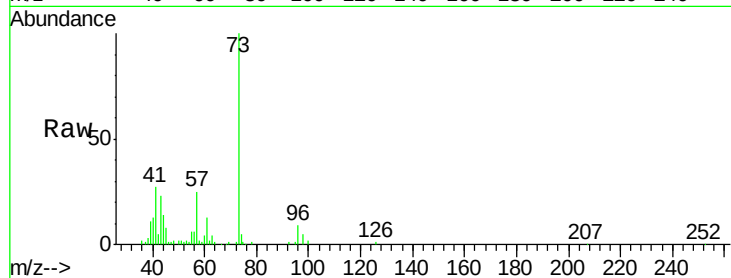
VSTDIC001

Manual Integrations

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MMdadoda

4/26/2019 12:22:17 PM

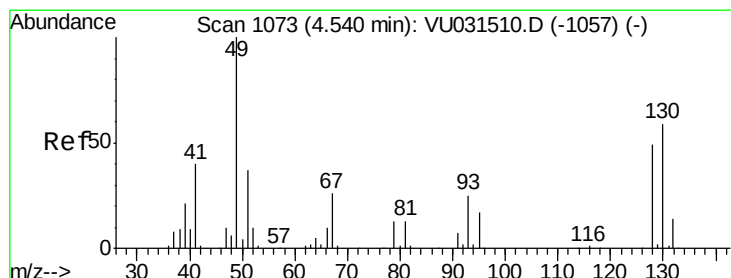
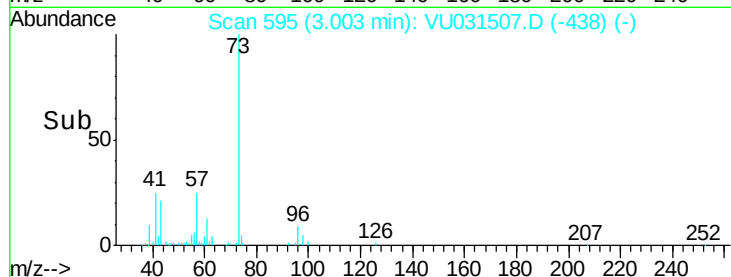


Abundance Ion 73.00 (72.70 to 73.70): VU031510.D (-575) (-)

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

3.00

Time-->



#26

Bromochloromethane

Concen: 1.084 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

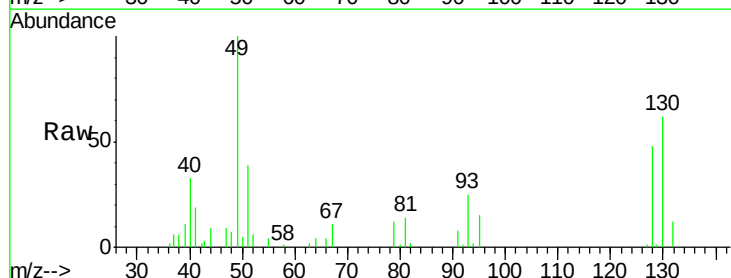
Tgt Ion: 128 Resp: 10479

Ion Ratio Lower Upper

128 100

49 223.0 0.0 407.2

130 136.5 101.4 152.2



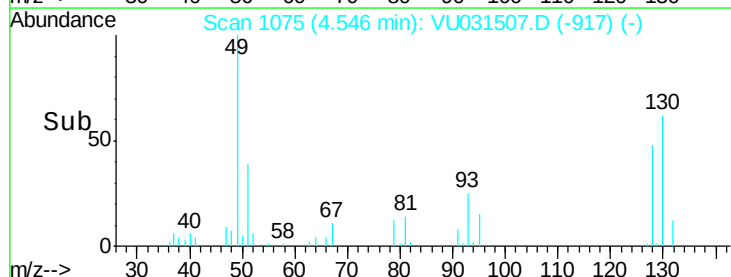
Abundance Ion 128.00 (127.70 to 128.70): VU031510.D (-1057) (-)

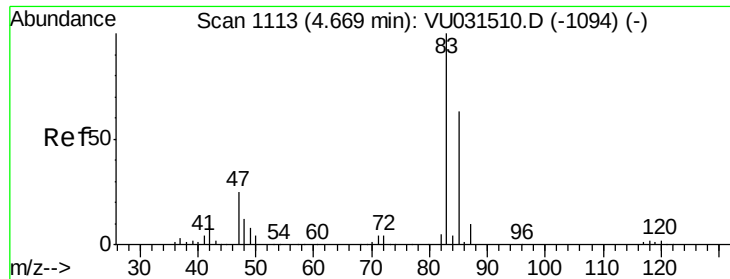
Ion 49.00 (48.70 to 49.70): VU031510.D (-1057) (-)

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

4.55

Time-->





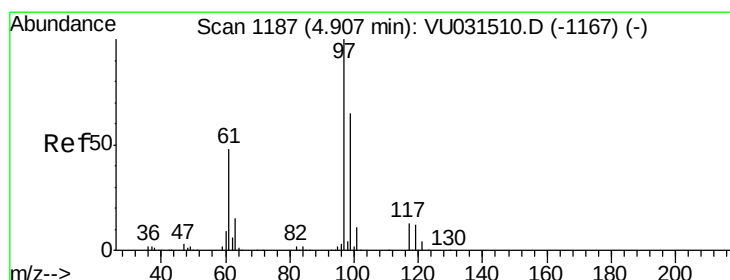
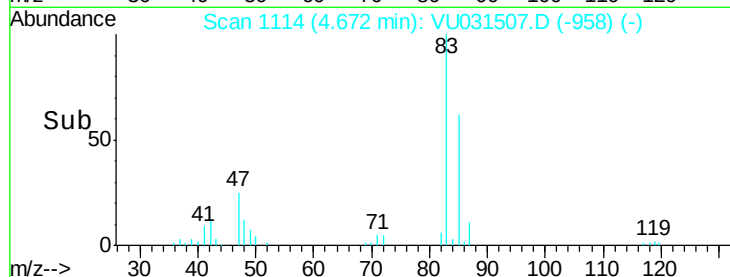
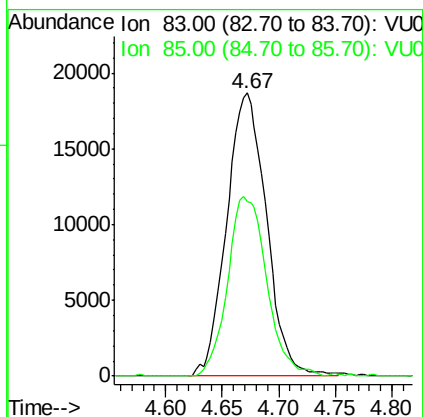
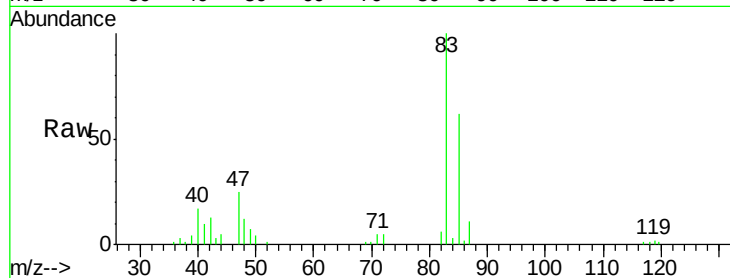
#27
Chloroform
Concen: 1.095 ug/l
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	45667
Ion Ratio	100	Lower	Upper
85	61.8	0.0	126.2

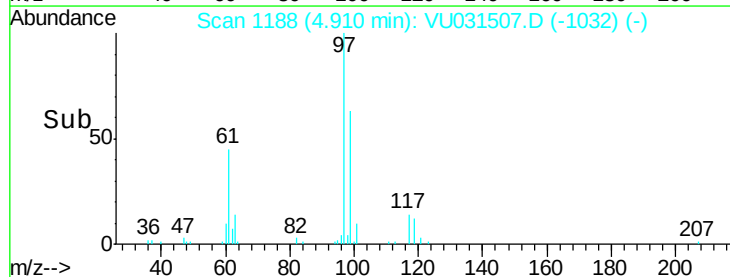
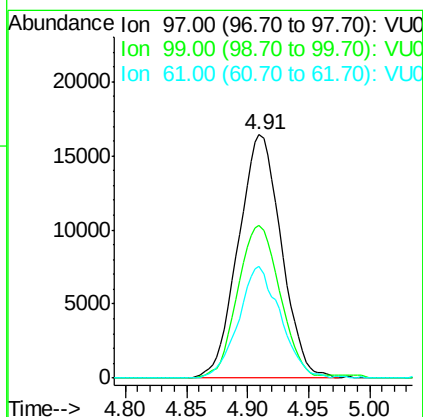
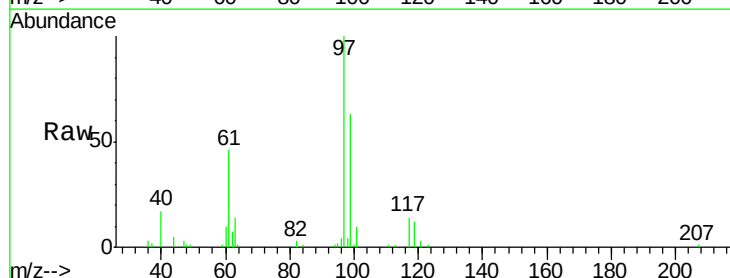
Manual Integrations
APPROVED

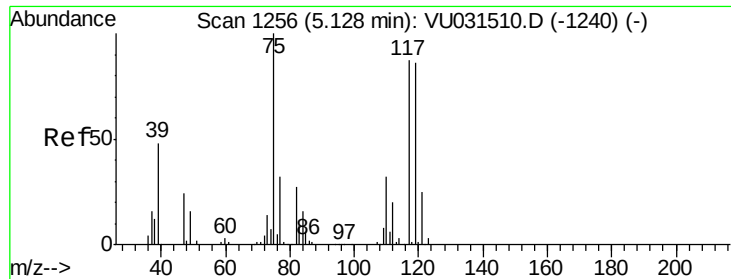
MMdadoda
4/26/2019 12:22:17 PM



#28
1,1,1-Trichloroethane
Concen: 1.163 ug/l
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	97	Resp	40128
Ion Ratio	100	Lower	Upper
99	61.7	32.0	96.2
61	44.7	24.0	72.0





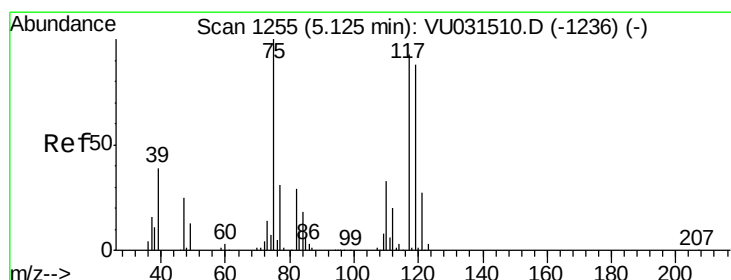
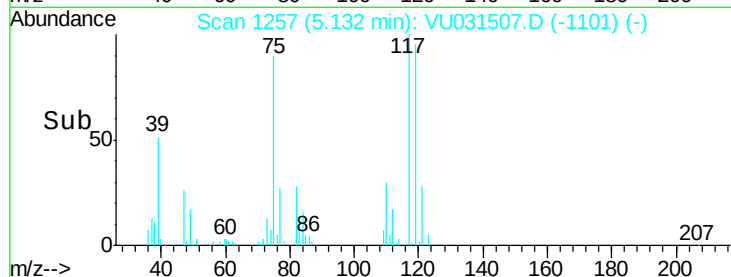
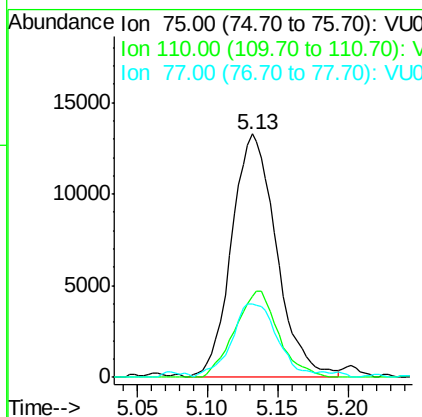
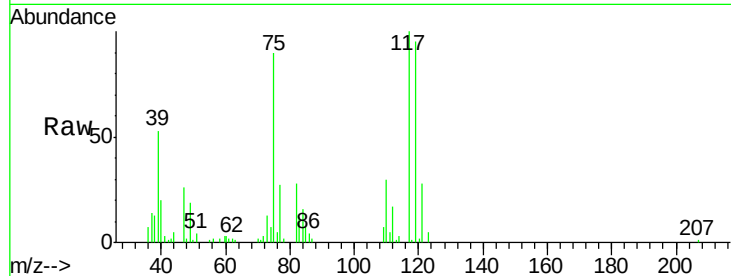
#29
 1,1-Dichloropropene
 Concen: 1.053 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.4	49.1
77	31.4	25.0	37.6

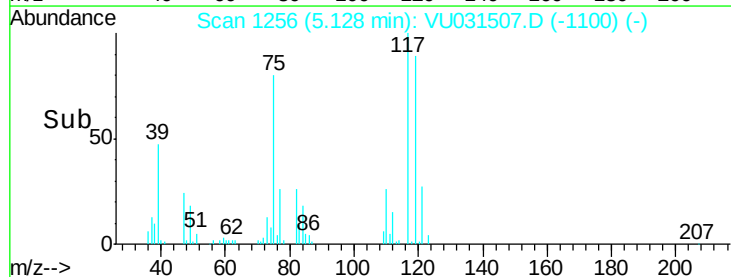
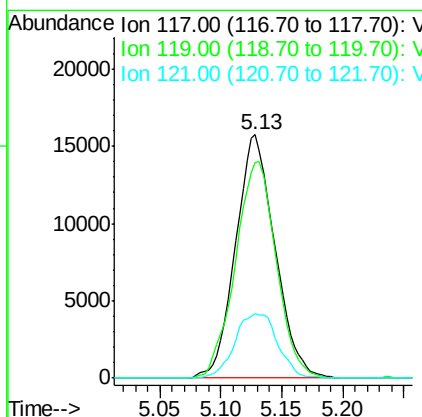
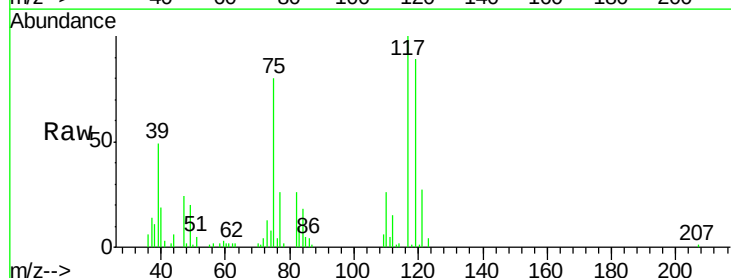
Manual Integrations
 APPROVED

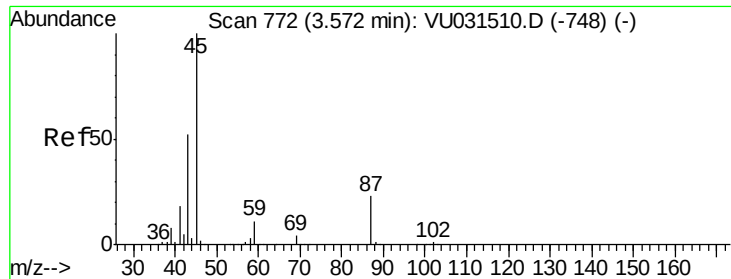
MMdadoda
 4/26/2019 12:22:17 PM



#30
 Carbon Tetrachloride
 Concen: 1.186 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	76.1	114.1
121	26.6	23.3	34.9





#31

Isopropyl Ether

Concen: 1.044 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 69223

Ion Ratio Lower Upper

45 100

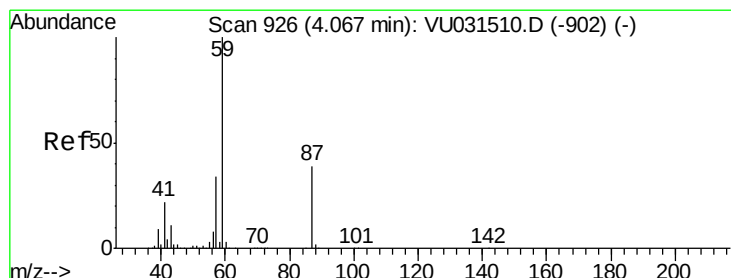
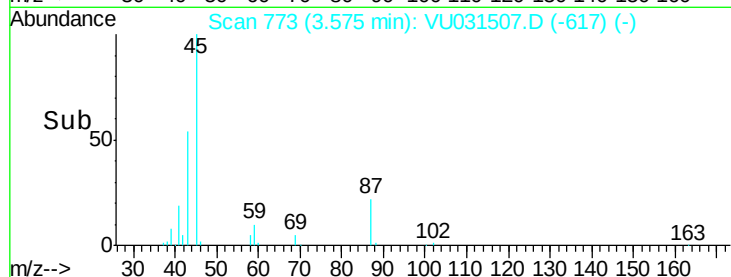
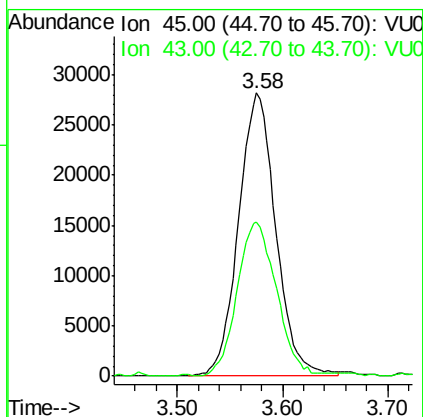
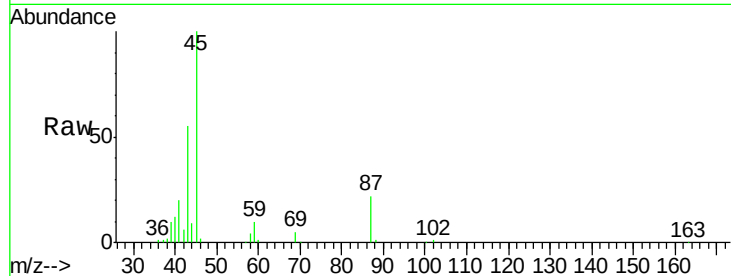
43 57.3 26.0 78.0

Manual Integrations

APPROVED

MMdadoda

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#32

Ethyl-t-butyl ether

Concen: 1.033 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU031507.D

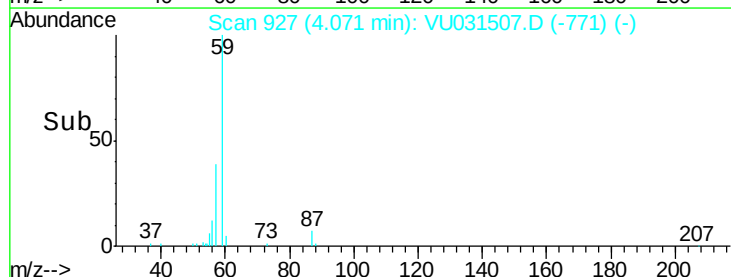
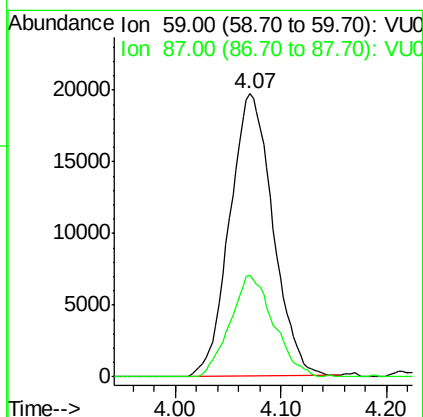
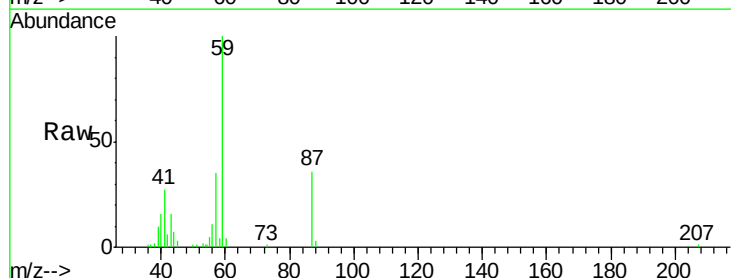
Acq: 25 Apr 2019 18:29

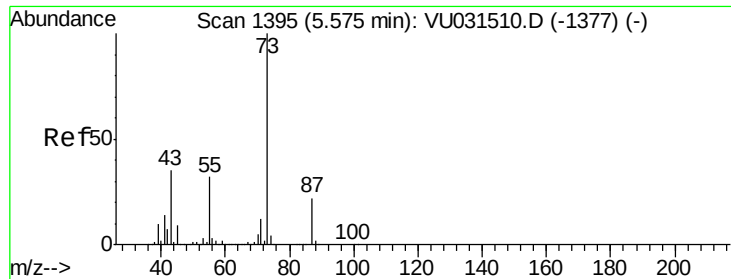
Tgt Ion: 59 Resp: 56037

Ion Ratio Lower Upper

59 100

87 36.0 29.9 44.9





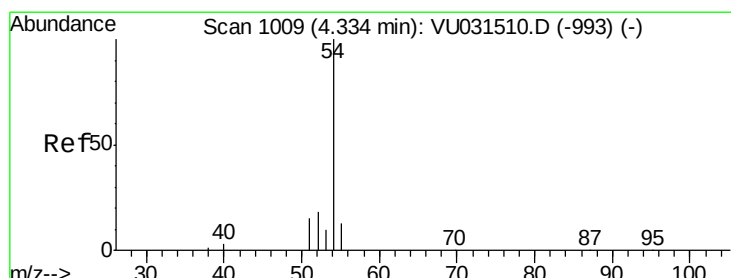
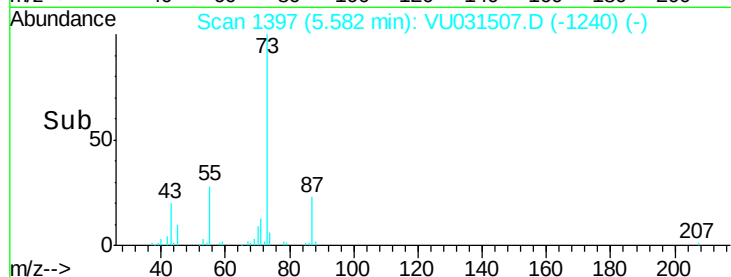
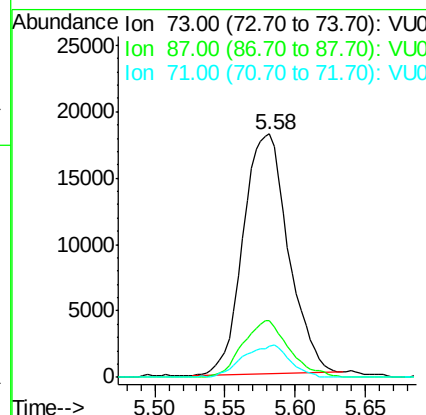
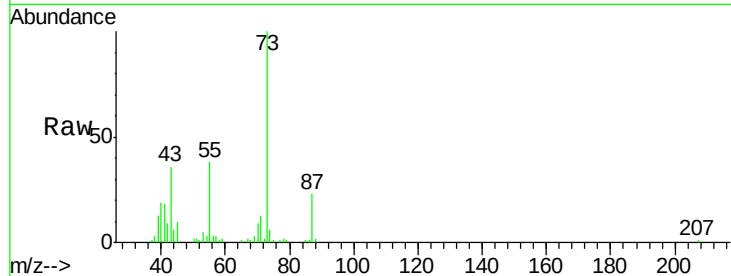
#33
Tert-Amvl methyl ether
Concen: 0.943 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.0	18.2	27.2
71	13.8	9.0	13.6

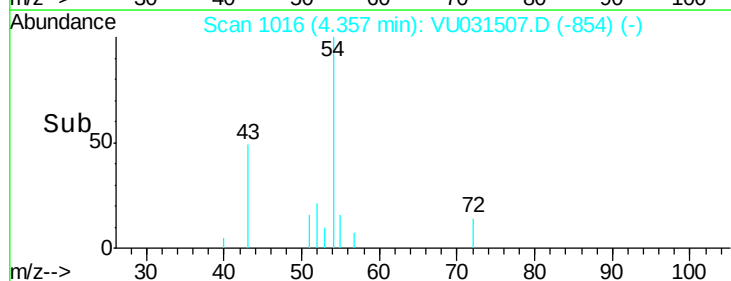
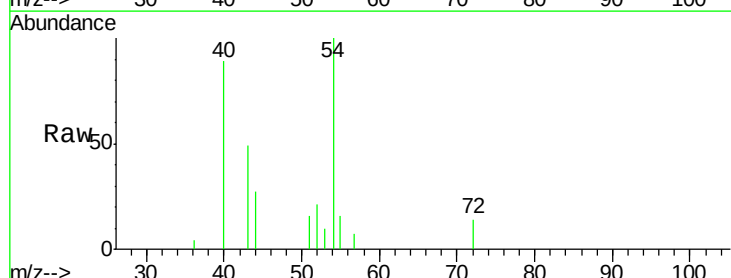
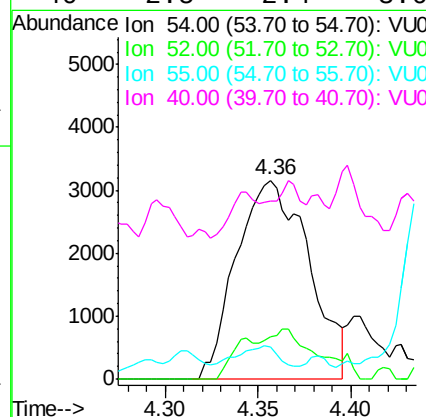
Manual Integrations
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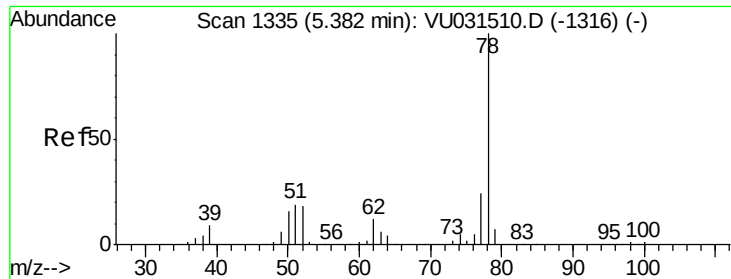
MMDadoda
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#34
Propionitrile
Concen: 4.860 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.0	22.4
55	5.4	13.5	20.3
40	2.5	2.4	3.6





#35

Benzene

Concen: 1.039 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 89832

Ion Ratio Lower Upper

78 100

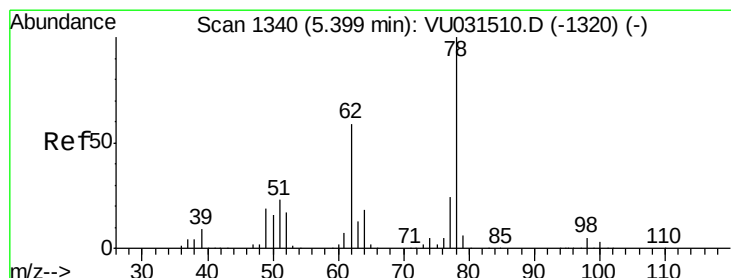
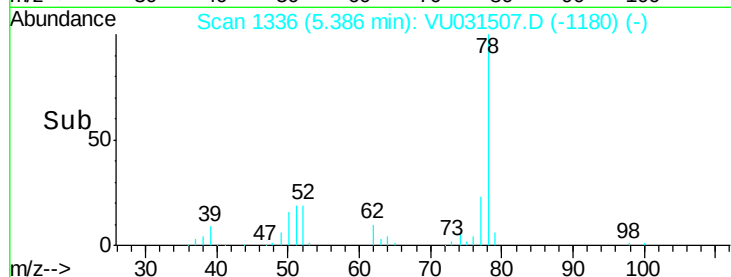
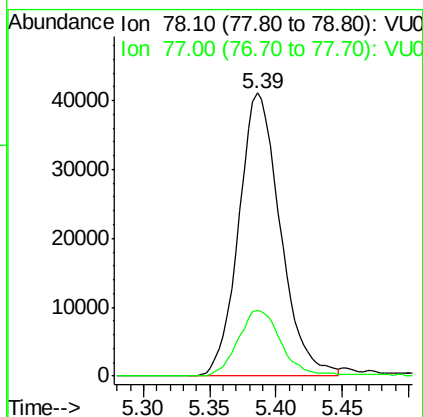
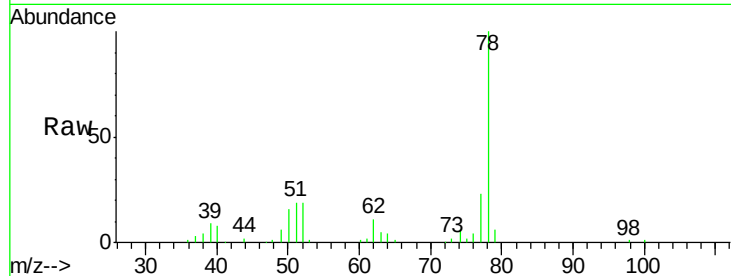
77 23.3 19.2 28.8

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.151 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU031507.D

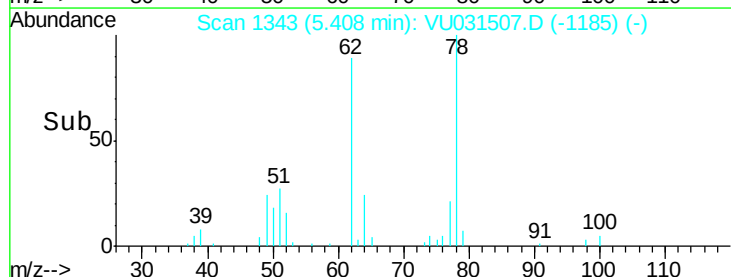
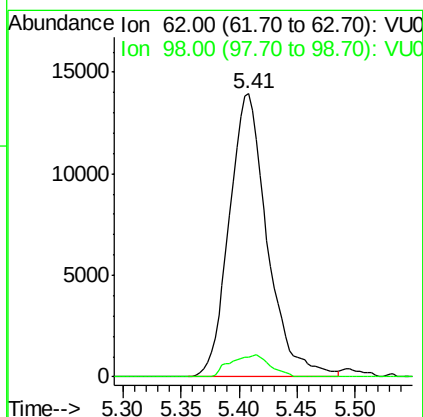
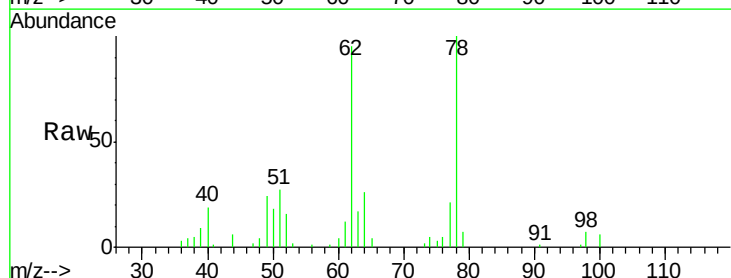
Acq: 25 Apr 2019 18:29

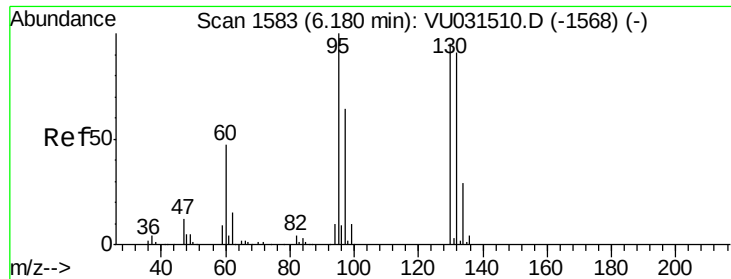
Tgt Ion: 62 Resp: 31742

Ion Ratio Lower Upper

62 100

98 8.1 6.7 10.1





#37

Trichloroethene

Concen: 1.091 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 23376

Ion Ratio Lower Upper

130 100

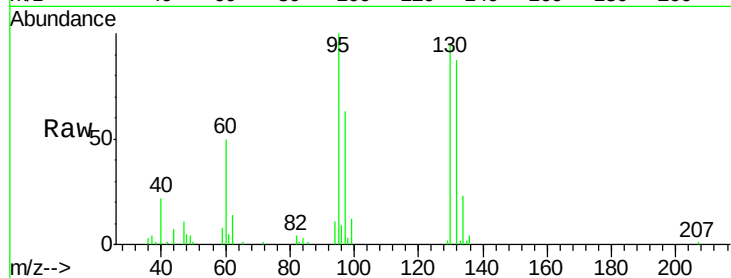
95 105.6 83.8 125.8

Manual Integrations

APPROVED

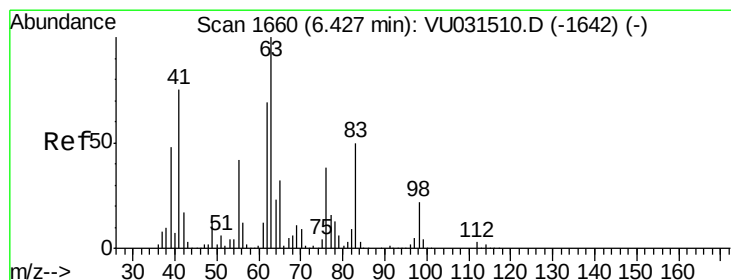
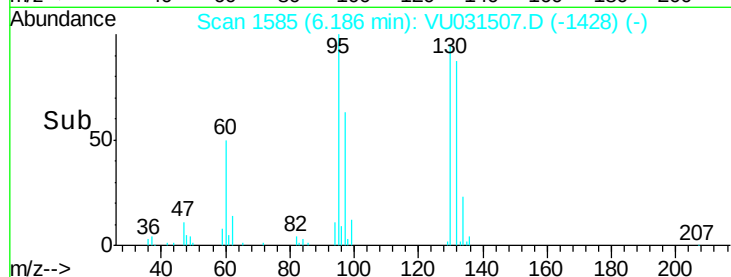
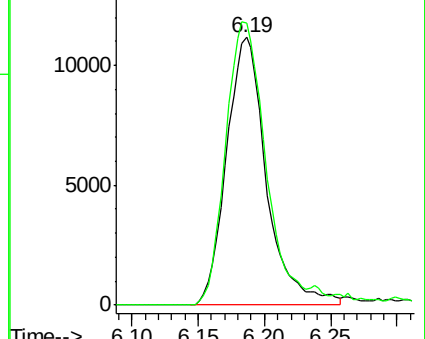
MMdadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 1.044 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU031507.D

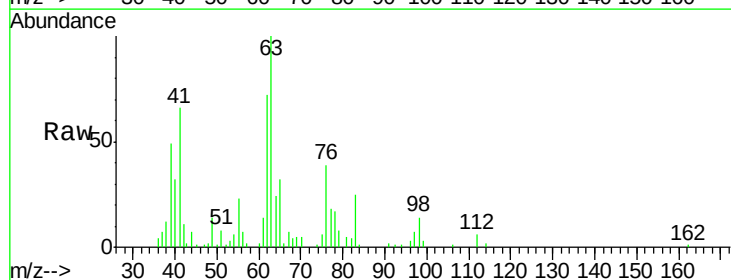
Acq: 25 Apr 2019 18:29

Tgt Ion: 63 Resp: 25159

Ion Ratio Lower Upper

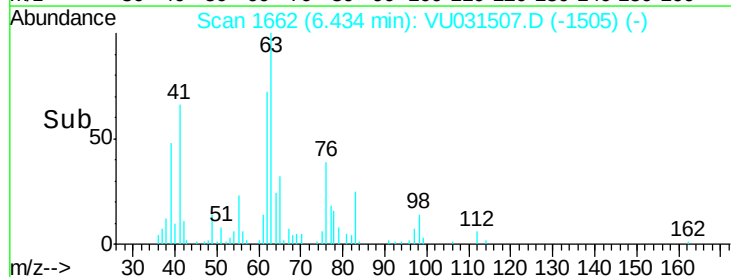
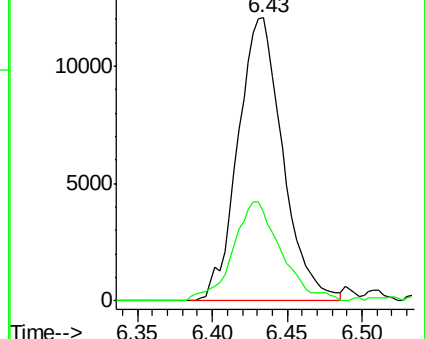
63 100

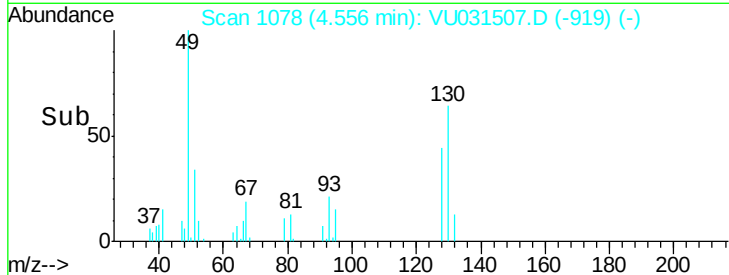
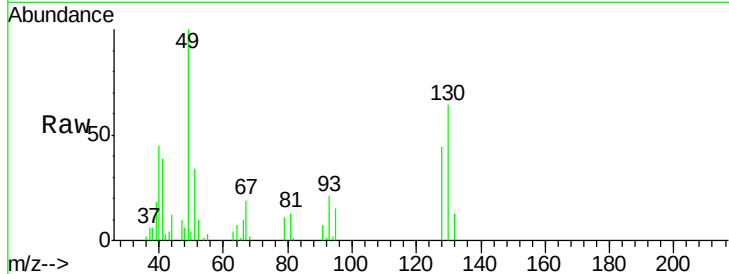
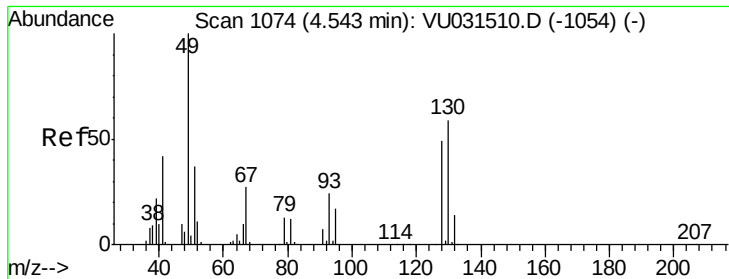
65 31.6 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





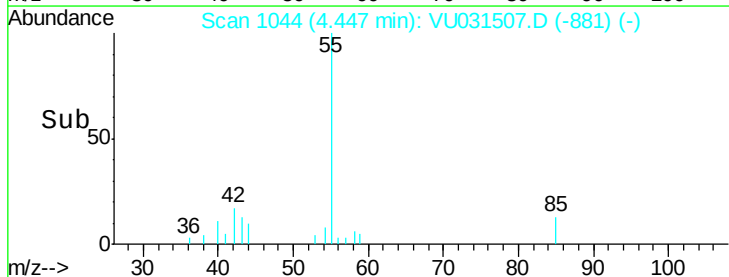
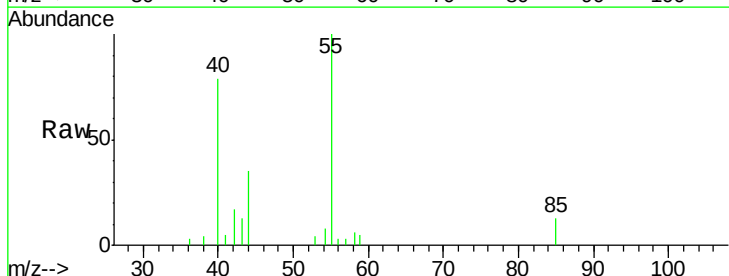
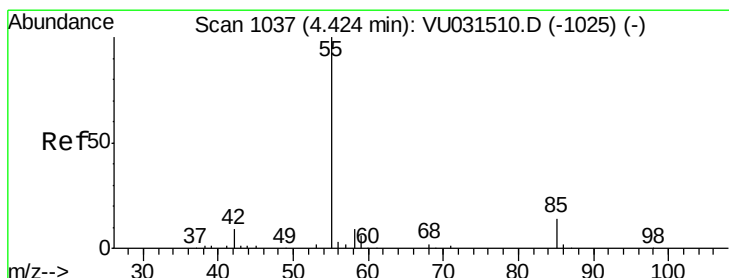
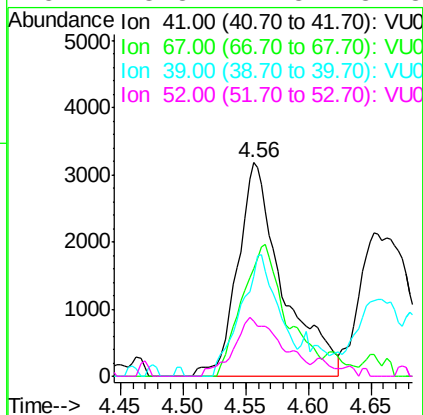
#39
Methacrylonitrile
Concen: 1.025 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tot Ion	Ratio	Lower	Upper
41	100		
67	60.9	54.2	81.4
39	48.4	43.8	65.8
52	28.8	21.8	32.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

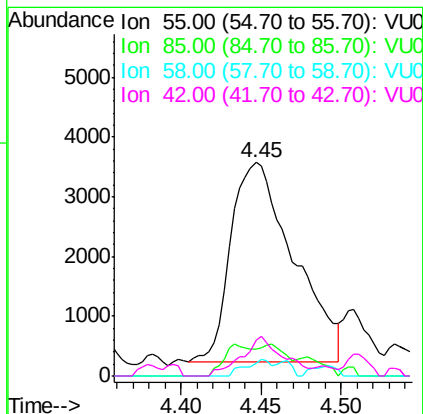
Manual Integrations
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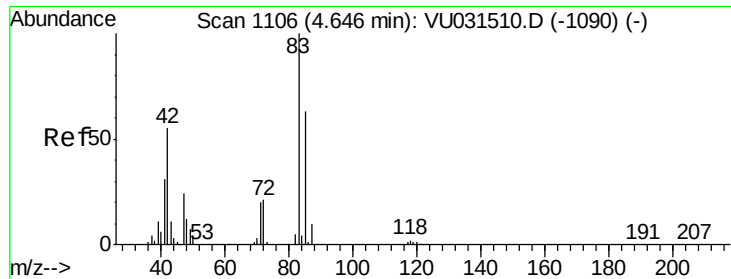
MMDadoda
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#40
Methyl acrylate
Concen: 1.052 ug/l
RT: 4.45 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.5	17.3#
58	3.2	6.5	9.7#
42	12.7	7.4	11.2#





#41

Tetrahydrofuran

Concen: 2.063 ug/l

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

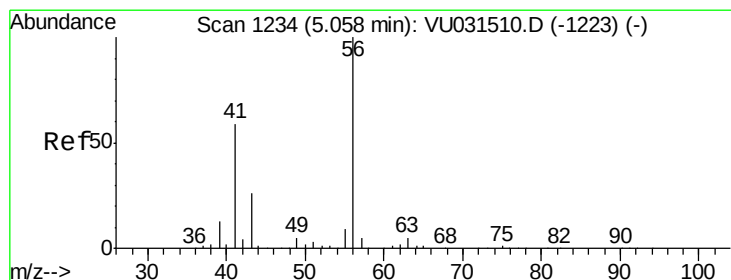
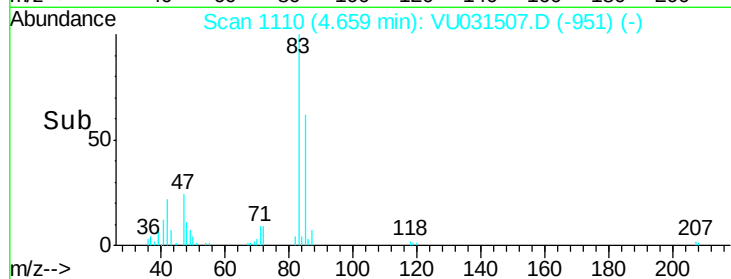
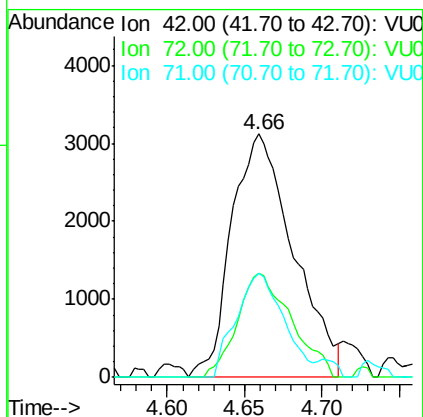
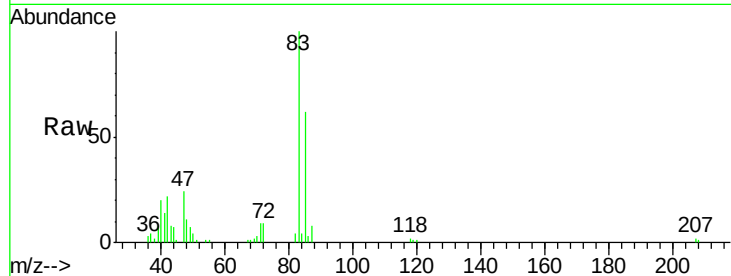
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	8667
Ion	Ratio	Lower	Upper
42	100		
72	37.2	32.1	48.1
71	33.0	29.2	43.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.995 ug/l

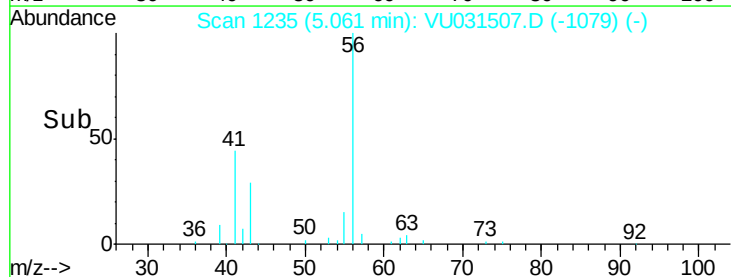
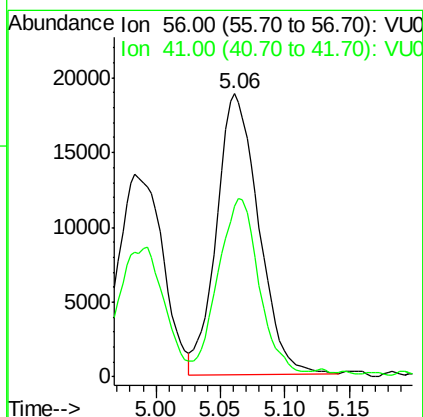
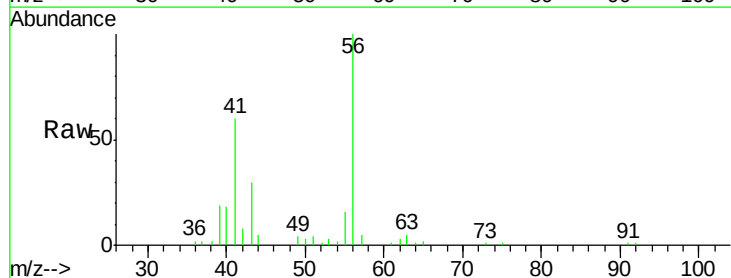
RT: 5.06 min Scan# 1235

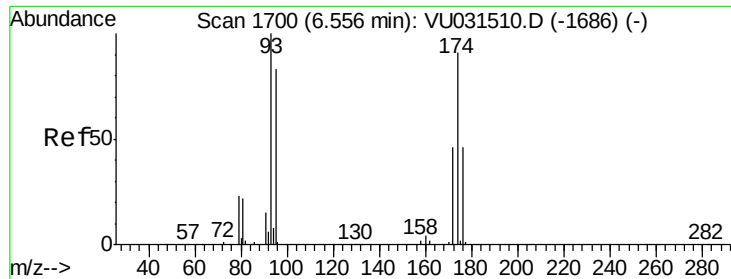
Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tgt Ion:	56	Resp:	42680
Ion	Ratio	Lower	Upper
56	100		
41	59.8	29.3	88.0





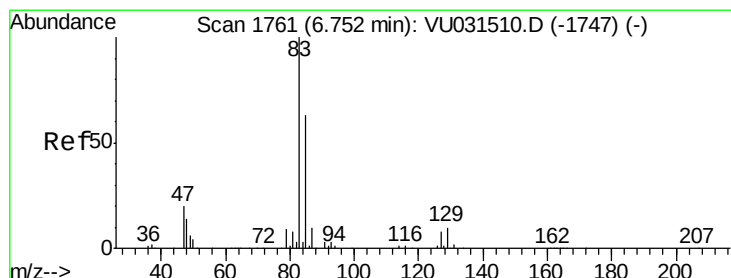
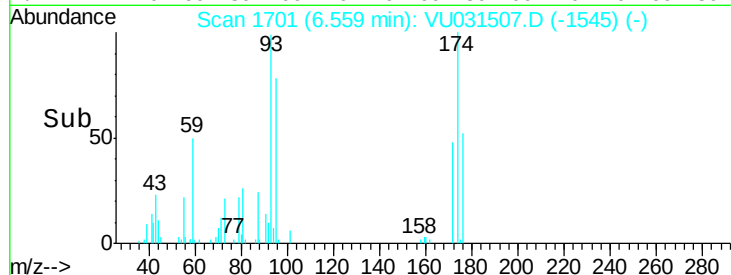
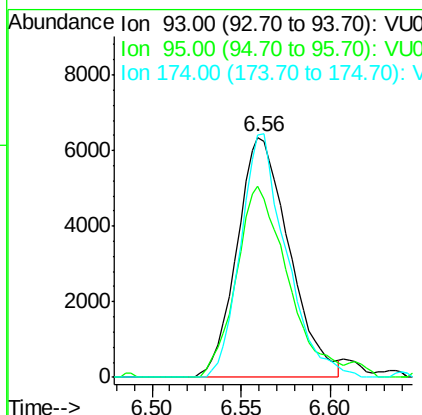
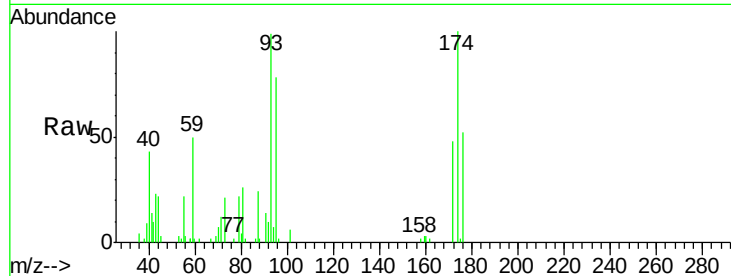
#43
Dibromomethane
Concen: 1.106 ug/l
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 12962
Ion Ratio Lower Upper
93 100
95 78.4 65.7 98.5
174 89.0 71.8 107.8

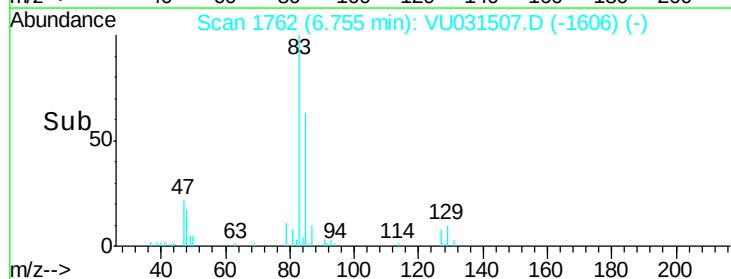
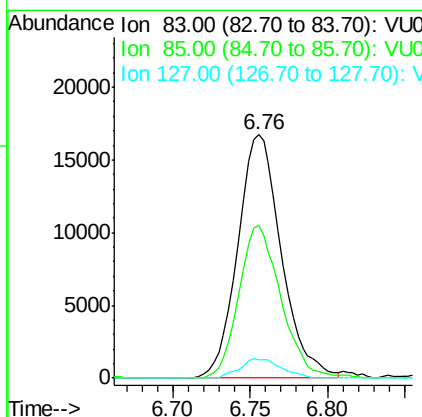
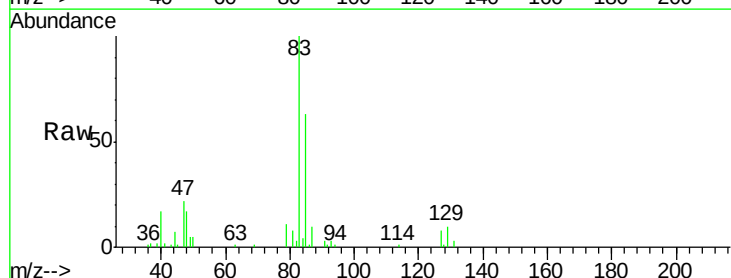
Manual Integrations
APPROVED

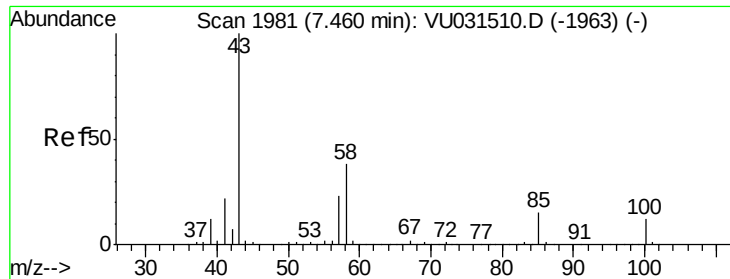
MMdadoda
4/26/2019 12:22:17 PM



#44
Bromodichloromethane
Concen: 1.100 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion: 83 Resp: 32815
Ion Ratio Lower Upper
83 100
85 63.0 50.3 75.5
127 7.7 6.6 9.8





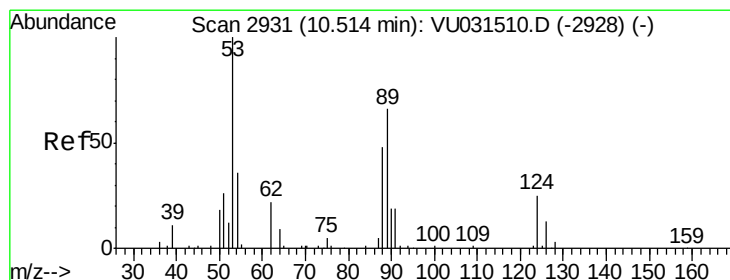
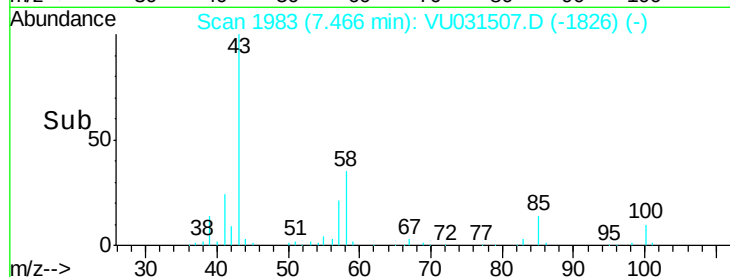
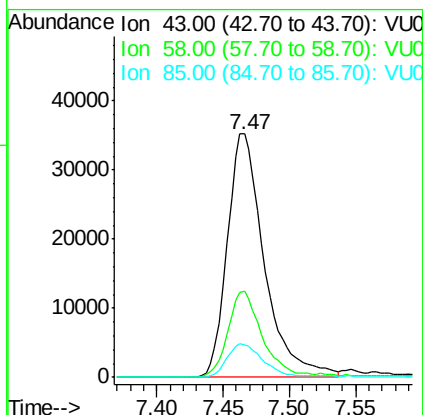
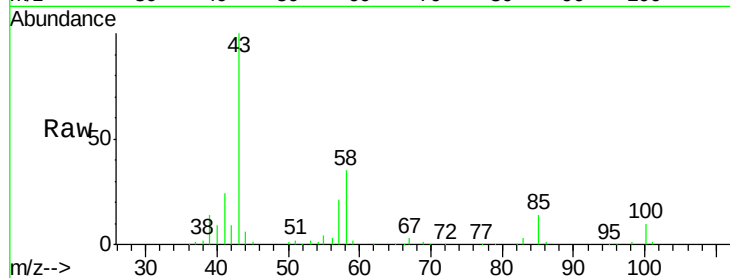
#45
4-Methyl-2-Pentanone
Concen: 4.841 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.7	18.7	56.1
85	13.9	12.1	18.1

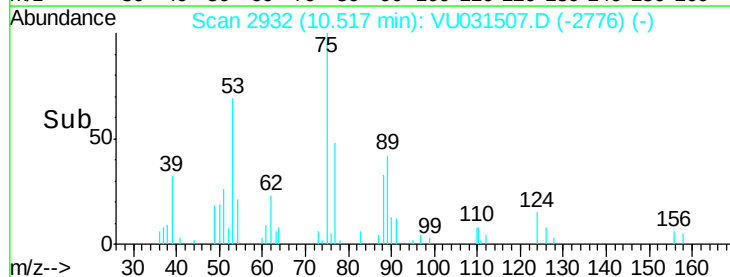
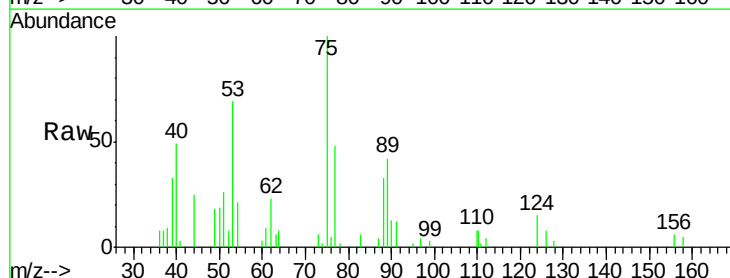
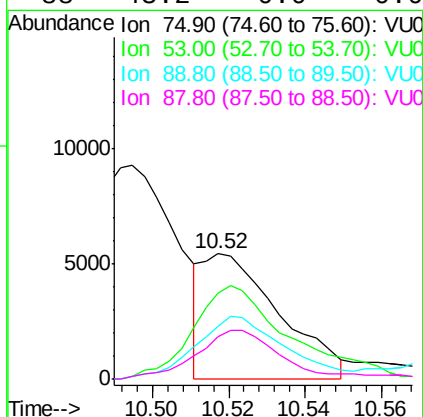
Manual Integrations
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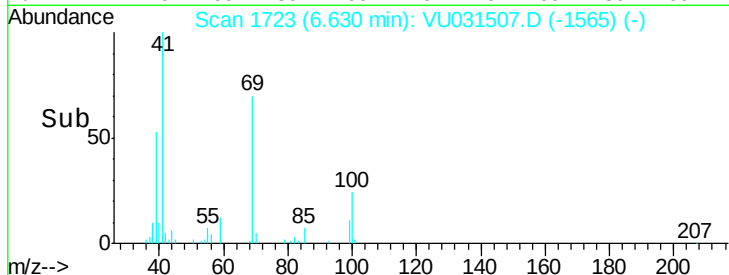
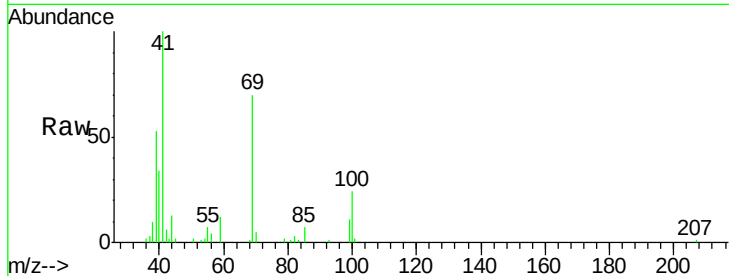
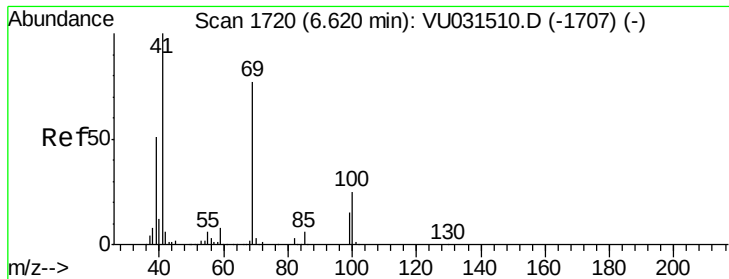
MMdadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 1.690 ug/l m
RT: 10.52 min Scan# 2932
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.8	63.8	95.8
89	58.2	38.6	57.8#
88	43.2	0.0	0.0#





#47

Methyl methacrylate

Concen: 1.813 ug/l

RT: 6.63 min Scan# 1723

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	129.5	0.0	256.4		
39	67.1	52.2	78.4		
100	33.1	25.9	38.9		

Instrument :

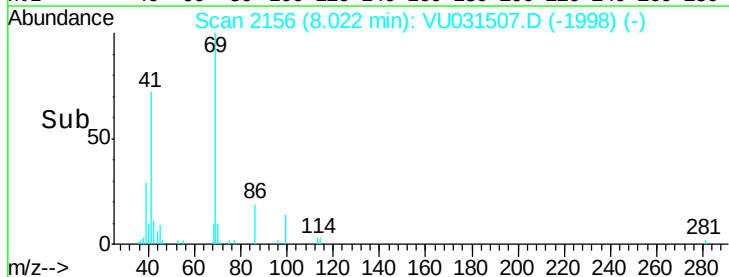
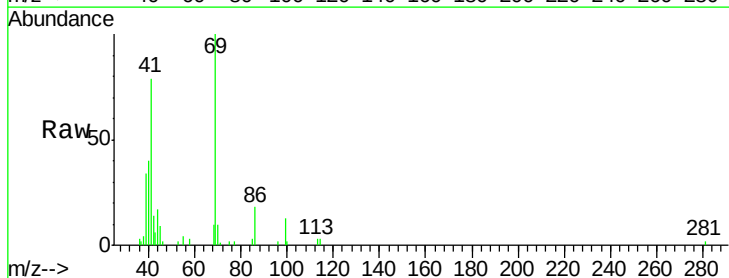
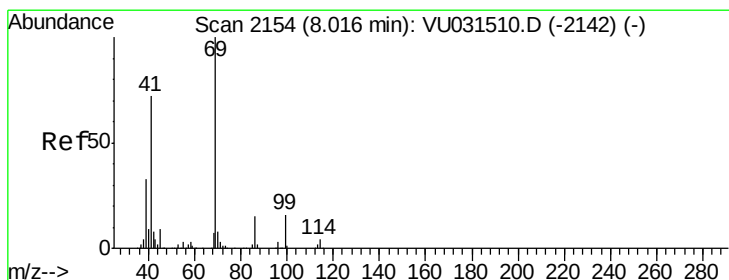
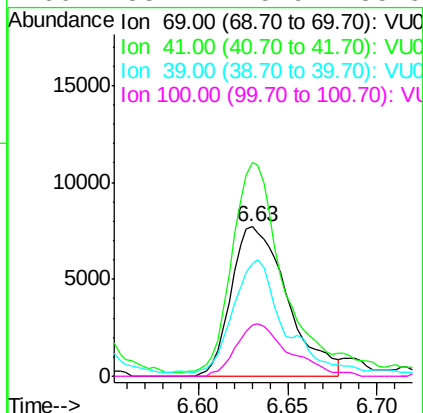
MSVOA_U

ClientSampleId :

VSTDIC001

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#48

Ethyl methacrylate

Concen: 1.132 ug/l

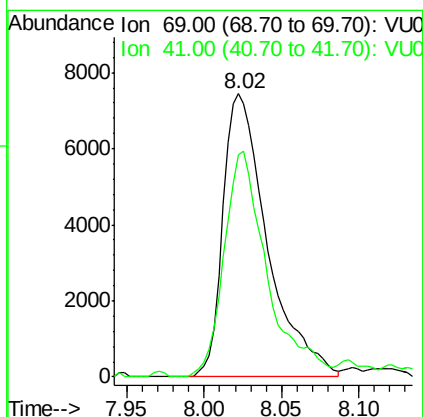
RT: 8.02 min Scan# 2156

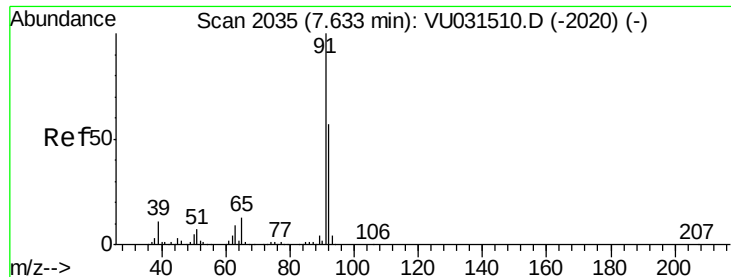
Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	77.4	35.5	106.5		





#49

Toluene

Concen: 0.998 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 44415

Ion Ratio Lower Upper

92 100

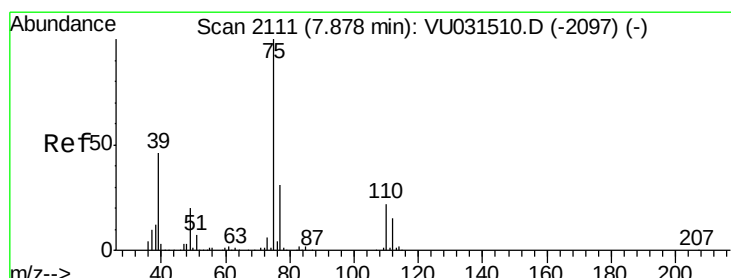
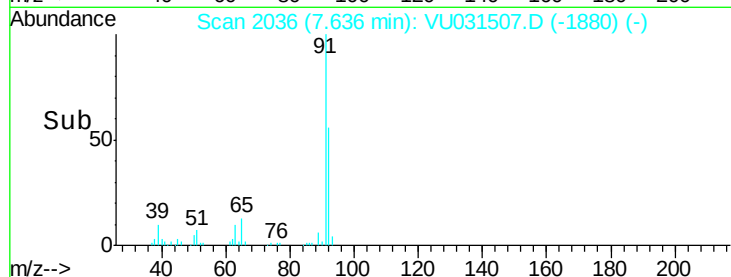
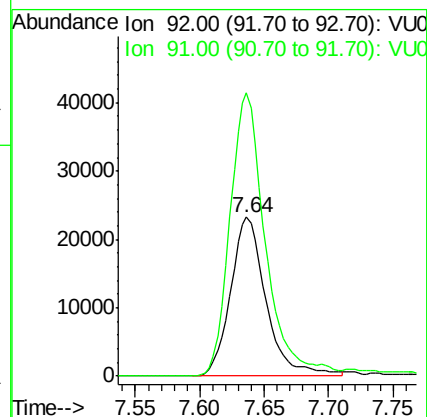
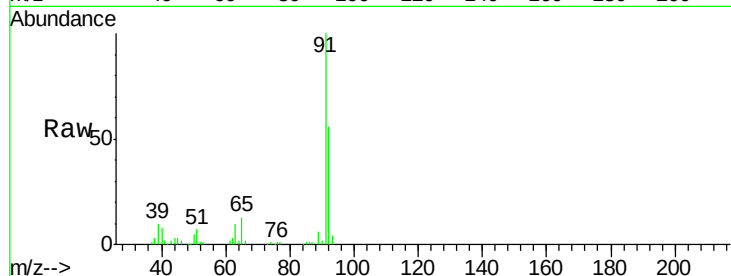
91 177.7 142.0 213.0

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.992 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU031507.D

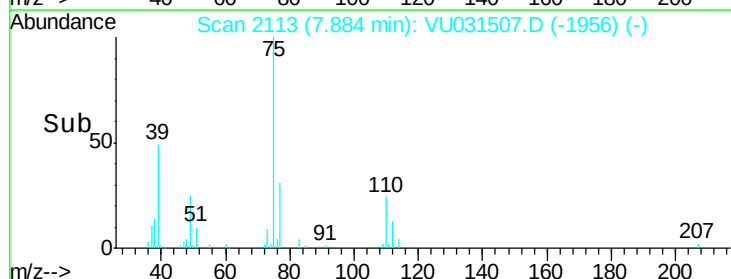
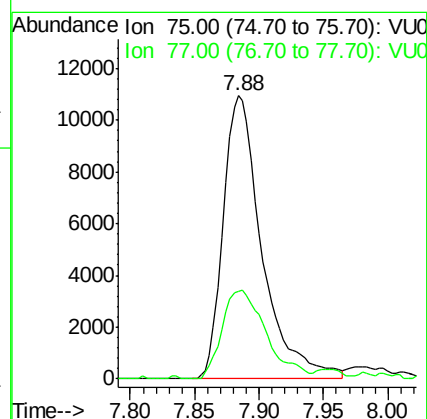
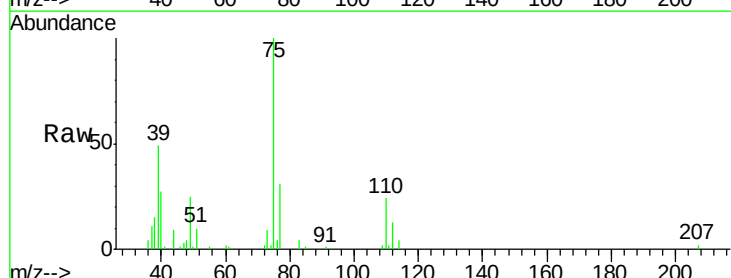
Acq: 25 Apr 2019 18:29

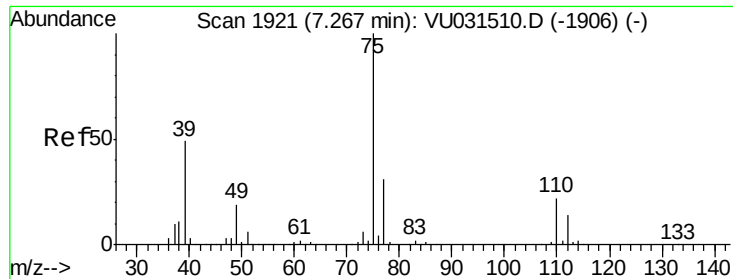
Tgt Ion: 75 Resp: 22875

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4





#51

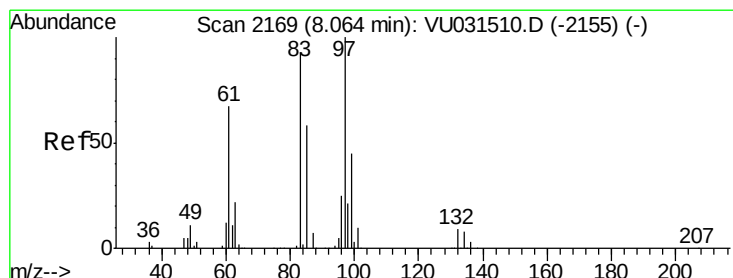
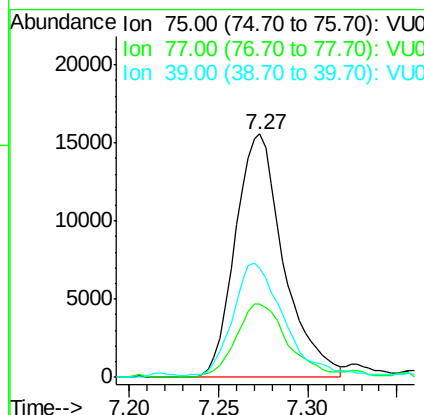
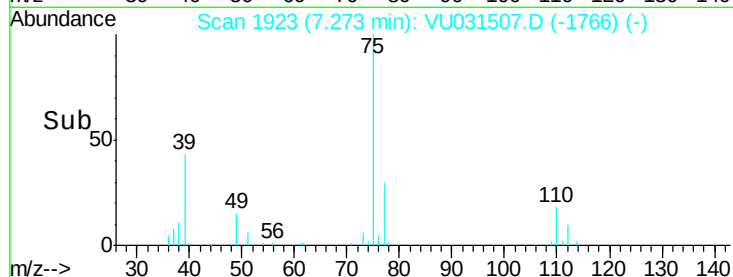
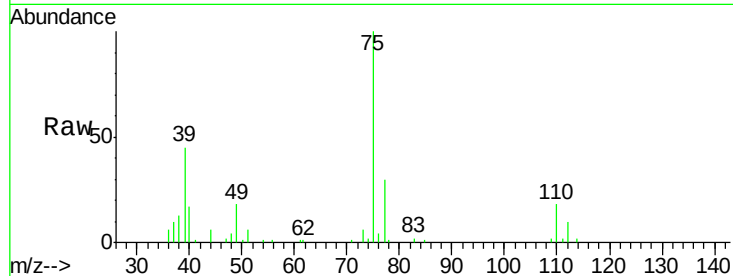
cis-1,3-Dichloropropene
Concen: 1.015 ug/l
RT: 7.27 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.0	37.4
39	43.9	39.0	58.6

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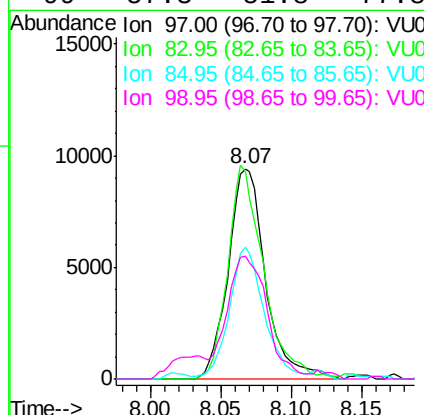
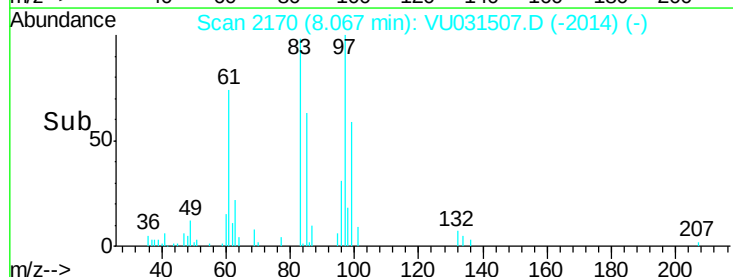
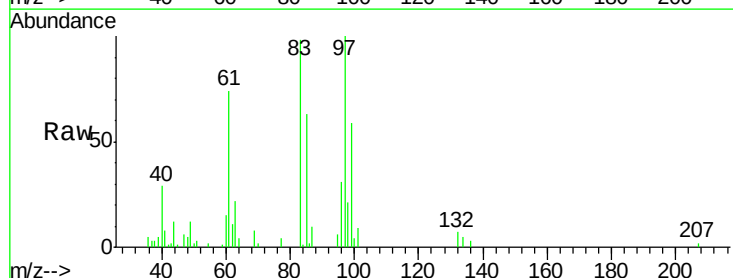
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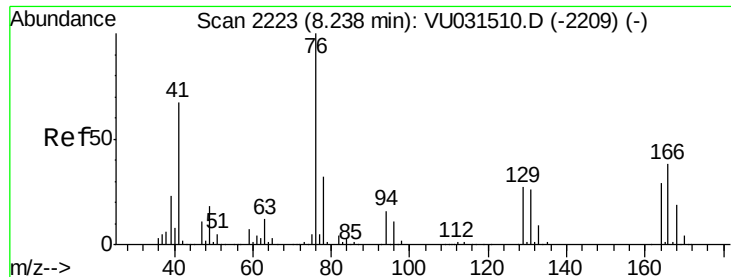


#52

1,1,2-Trichloroethane
Concen: 1.119 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	98.5	74.8	112.2
85	62.7	48.3	72.5
99	57.3	51.8	77.8





#53

1,3-Dichloropropane

Concen: 1.057 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 28479

Ion Ratio Lower Upper

76 100

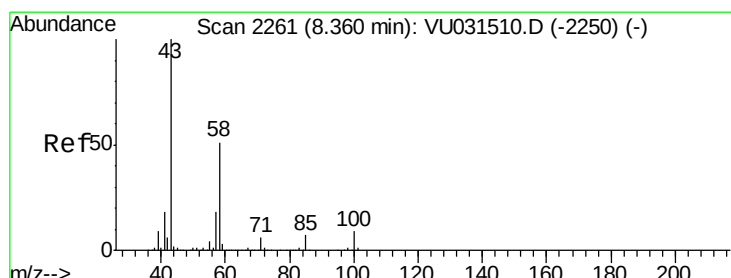
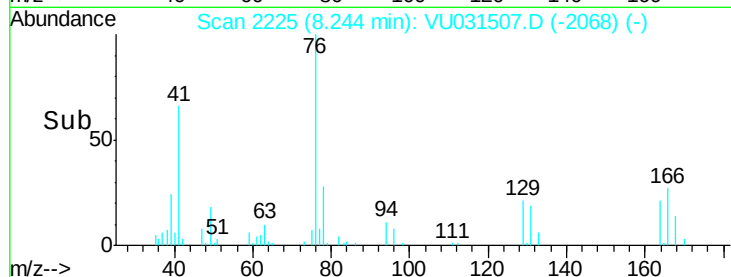
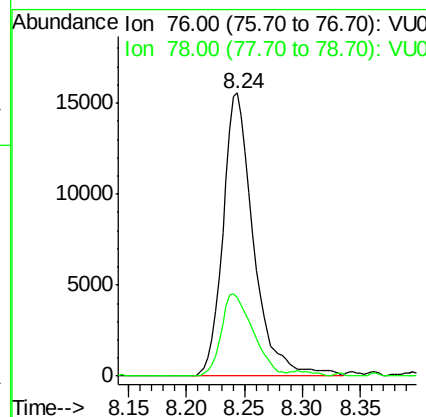
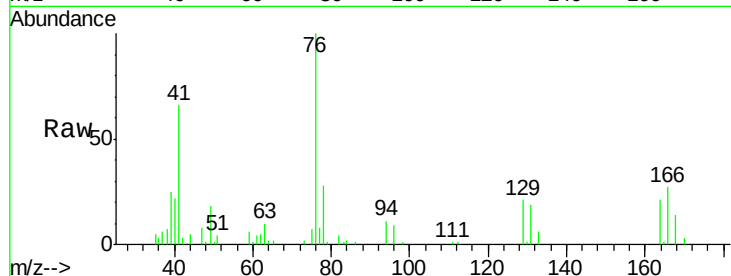
78 30.3 25.7 38.5

Manual Integrations

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#54

2-Hexanone

Concen: 4.924 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

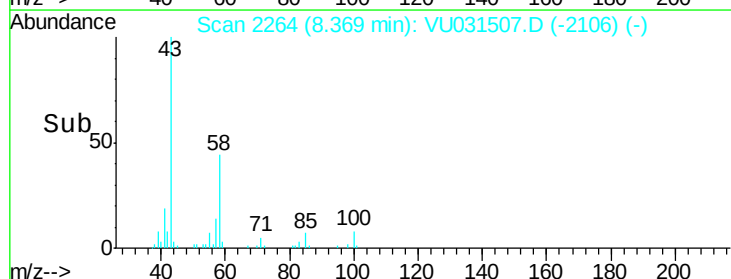
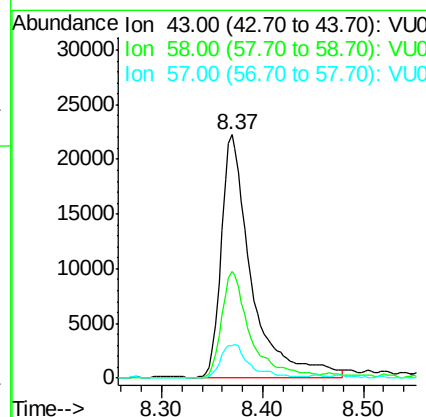
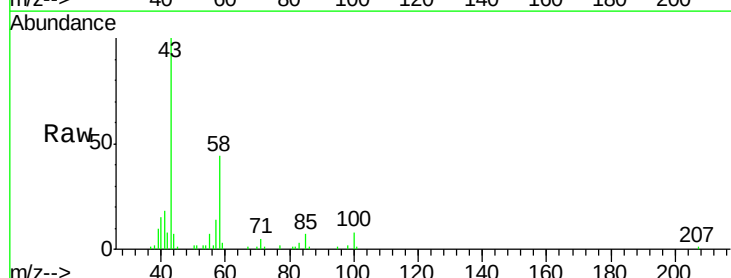
Tgt Ion: 43 Resp: 46681

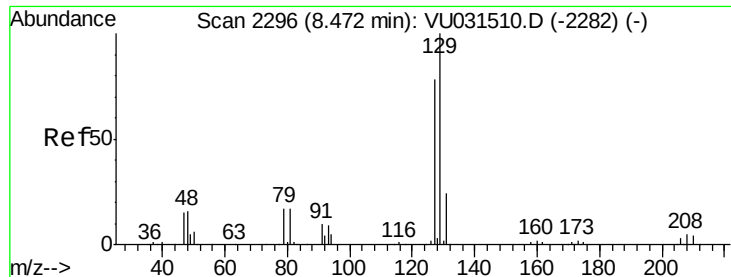
Ion Ratio Lower Upper

43 100

58 41.7 30.3 70.3

57 13.3 0.0 37.8





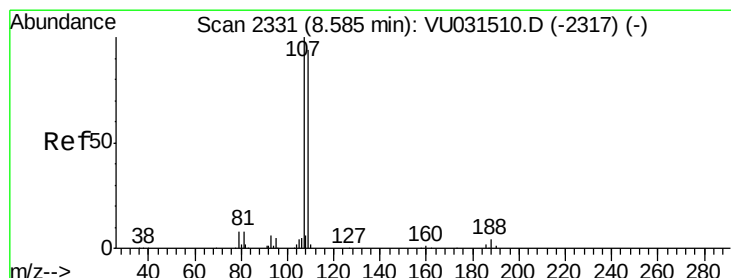
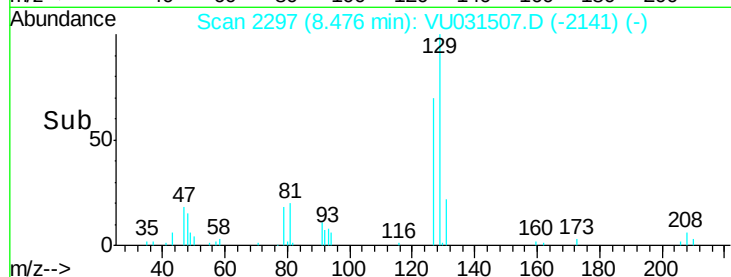
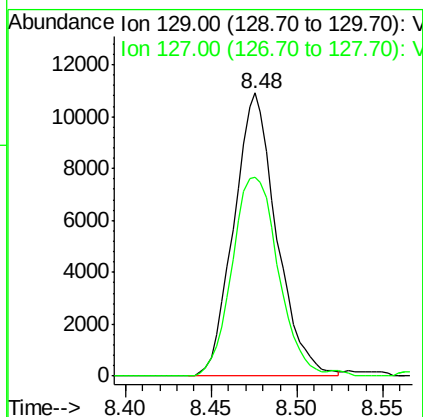
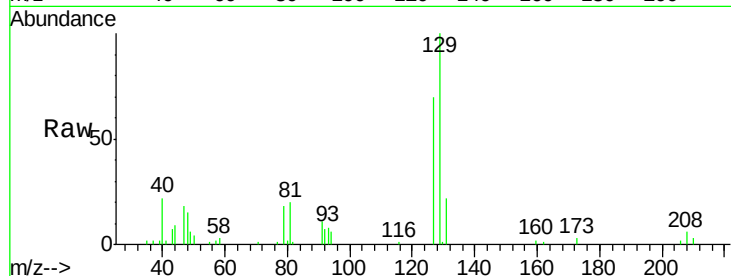
#55
 Dibromochloromethane
 Concen: 1.078 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:129 Resp: 18828
 Ion Ratio Lower Upper
 129 100
 127 75.8 62.6 94.0

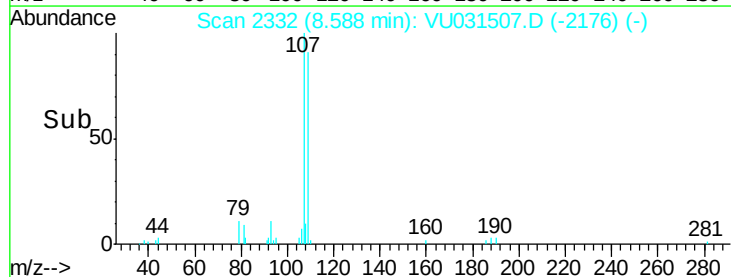
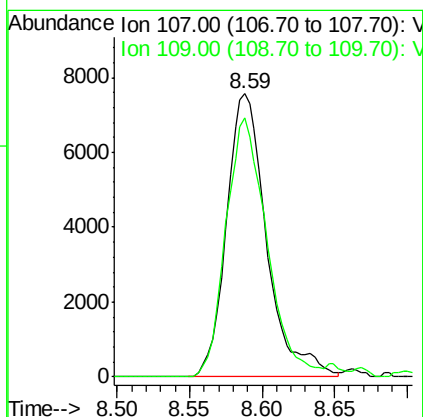
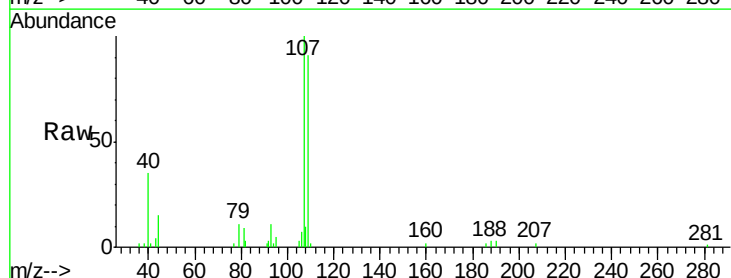
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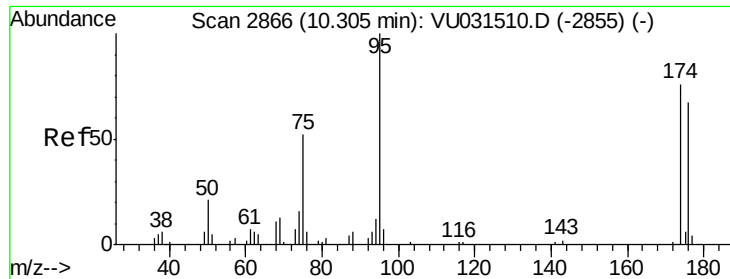
MMdadoda
 4/26/2019 12:22:17 PM



#56
 1,2-Dibromoethane
 Concen: 1.055 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion:107 Resp: 14537
 Ion Ratio Lower Upper
 107 100
 109 93.2 0.0 186.0





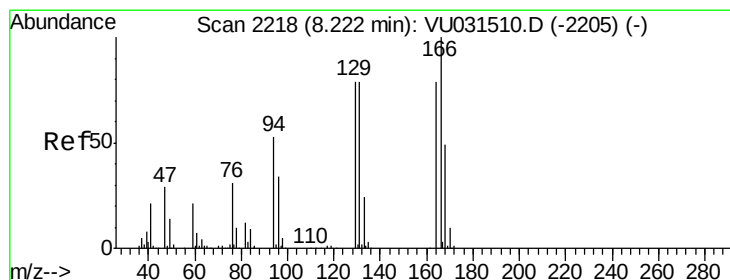
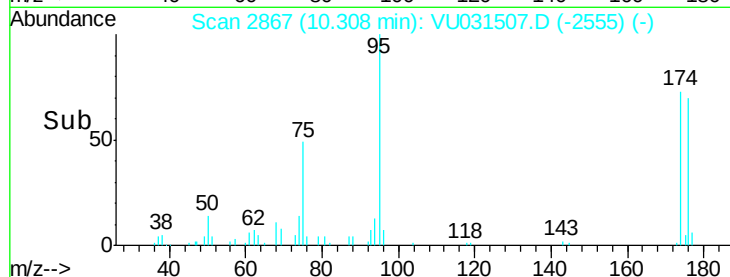
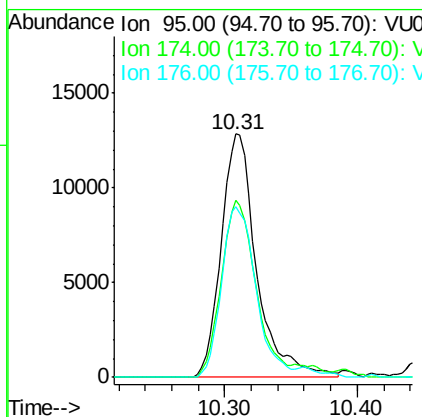
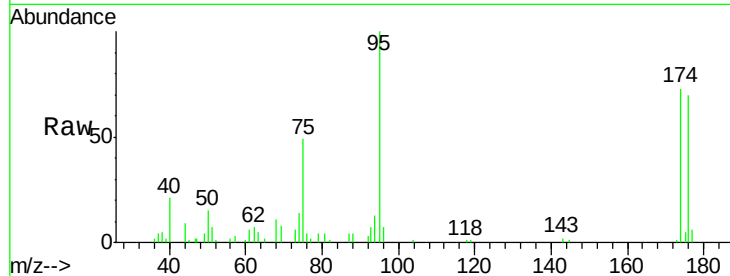
#57
4-Bromofluorobenzene
Concen: 1.034 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.7	57.9	86.9
176	67.5	54.0	81.0

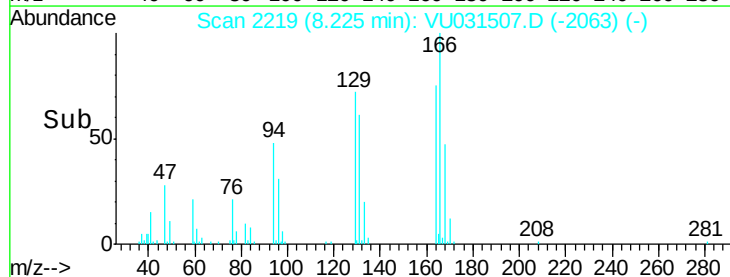
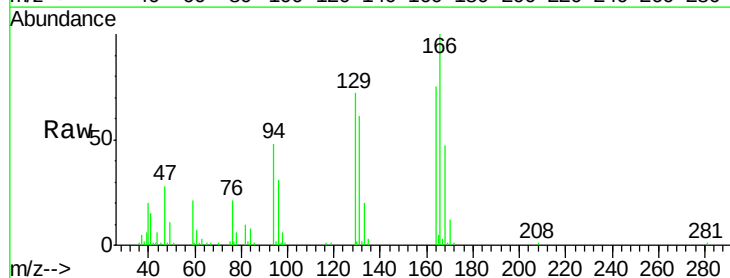
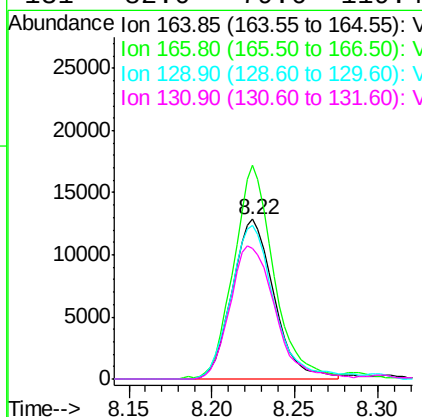
Manual Integrations
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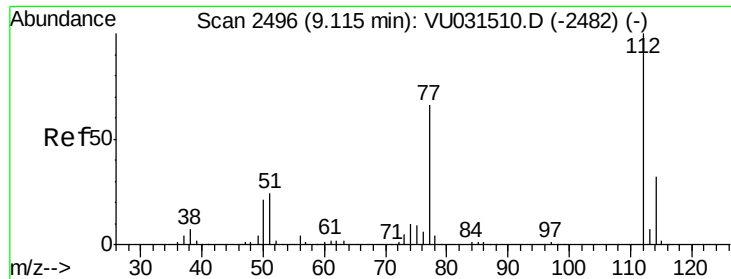
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#58
Tetrachloroethene
Concen: 1.101 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.2	151.8
129	96.0	80.2	120.4
131	82.0	79.6	119.4





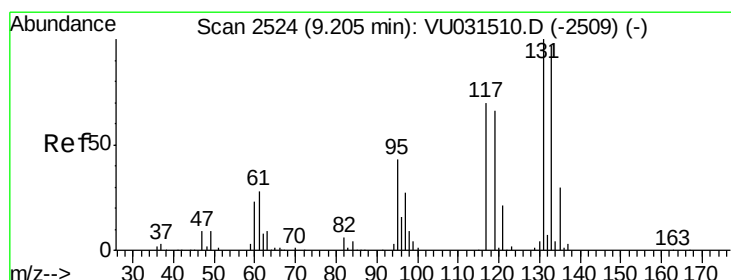
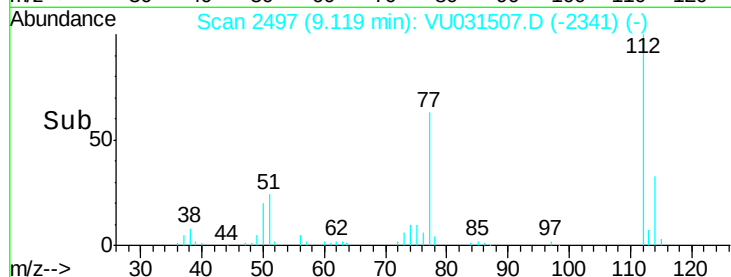
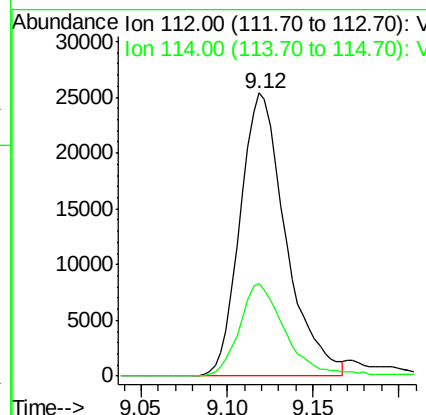
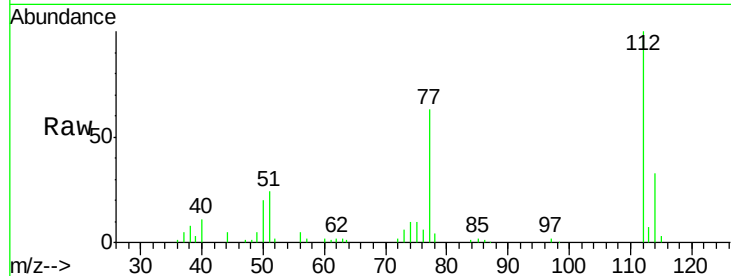
#59
Chlorobenzene
Concen: 1.010 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 46865
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6

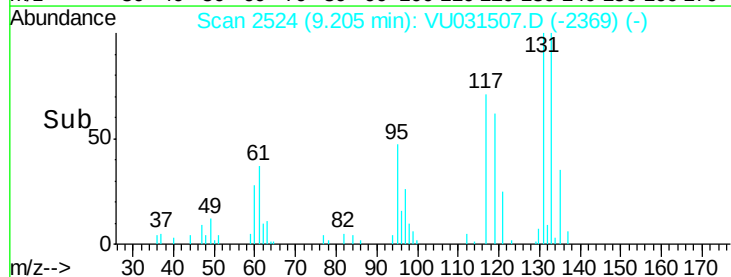
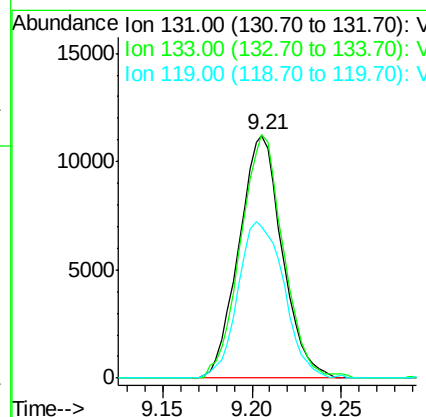
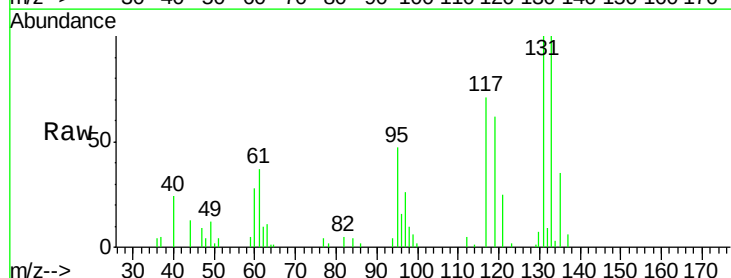
Manual Integrations
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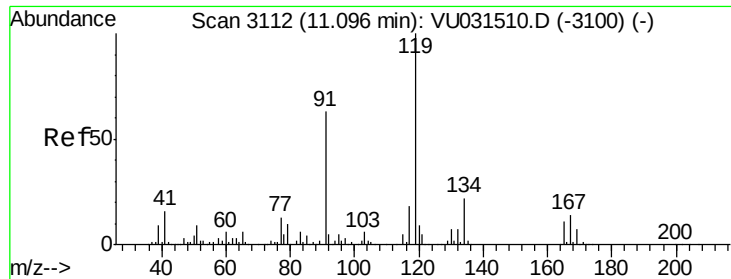
MMdadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.017 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion:131 Resp: 18994
Ion Ratio Lower Upper
131 100
133 99.4 77.7 116.5
119 68.3 53.4 80.0





#61

Pentachloroethane

Concen: 1.098 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 14075

Ion Ratio Lower Upper

117 100

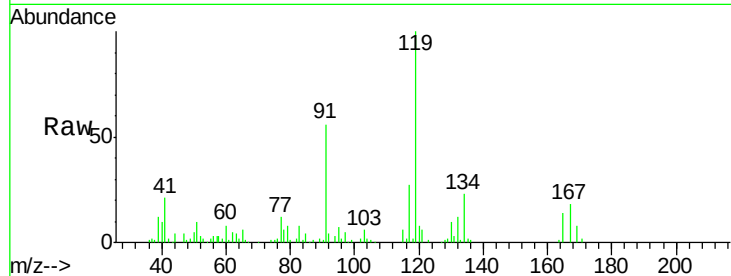
167 72.4 62.5 93.7

Manual Integrations

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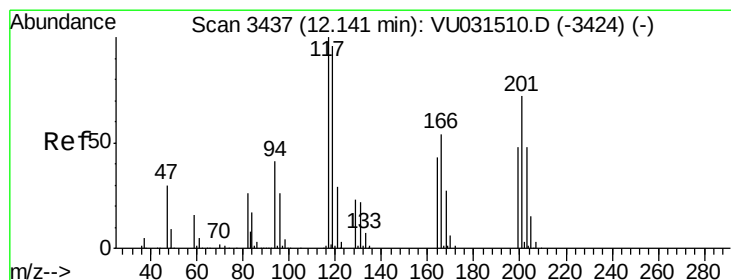
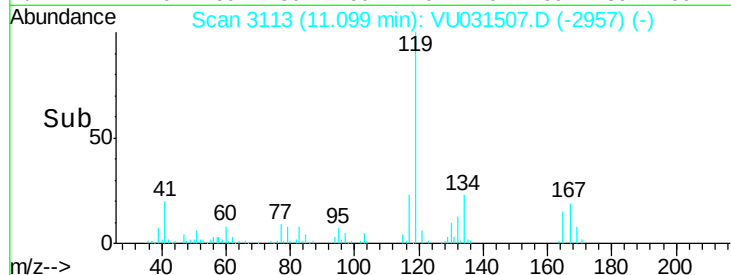
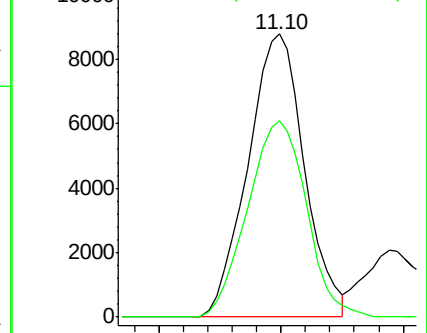
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.031 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU031507.D

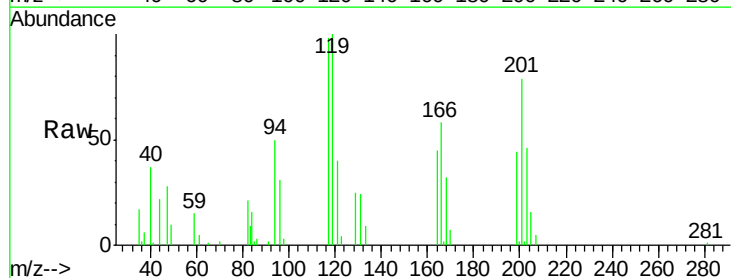
Acq: 25 Apr 2019 18:29

Tgt Ion:117 Resp: 13222

Ion Ratio Lower Upper

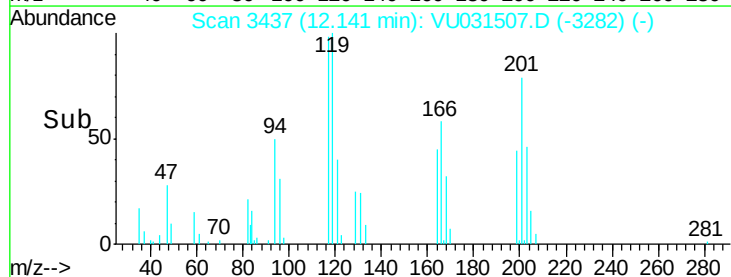
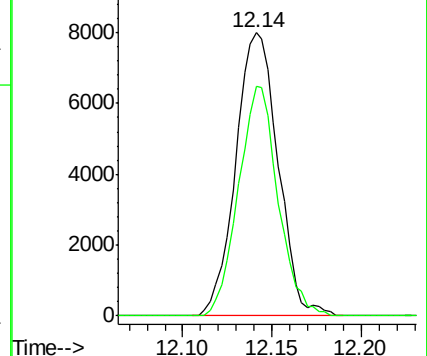
117 100

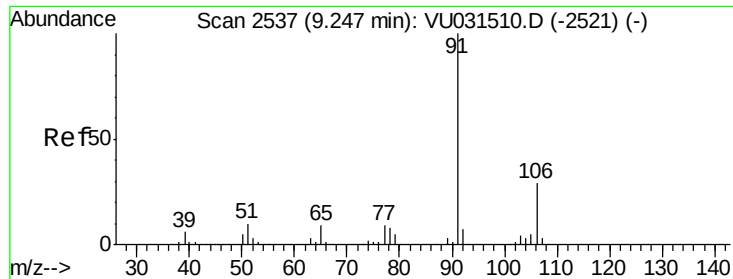
201 75.8 60.0 90.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





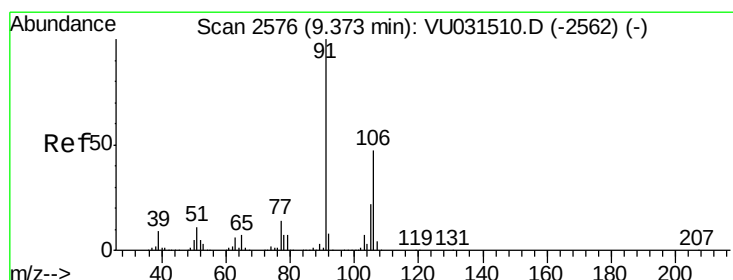
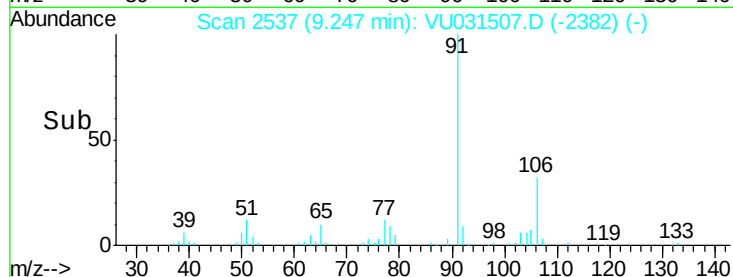
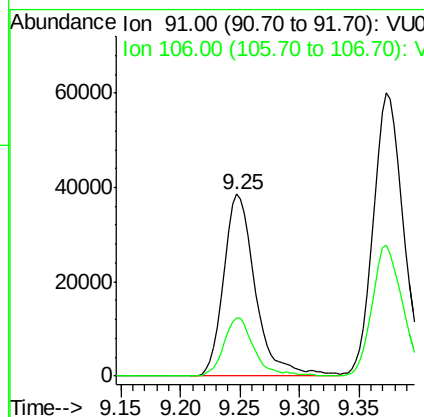
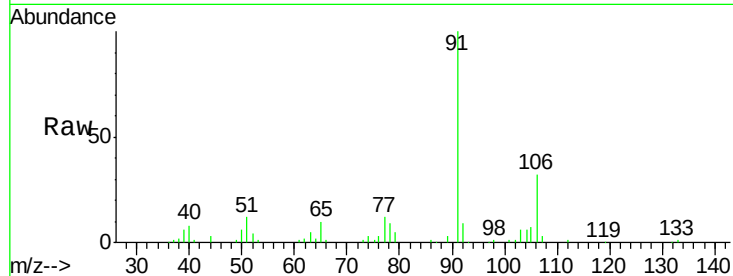
#63
Ethyl Benzene
Concen: 0.927 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 71543
Ion Ratio Lower Upper
91 100
106 31.9 23.4 35.2

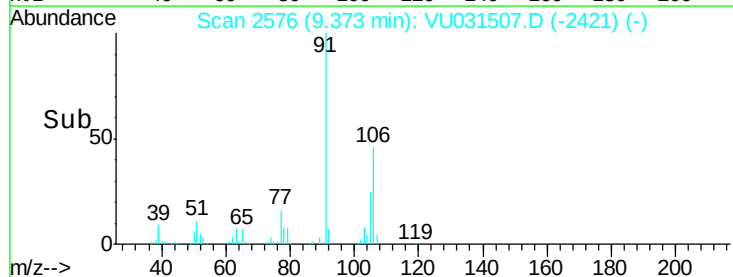
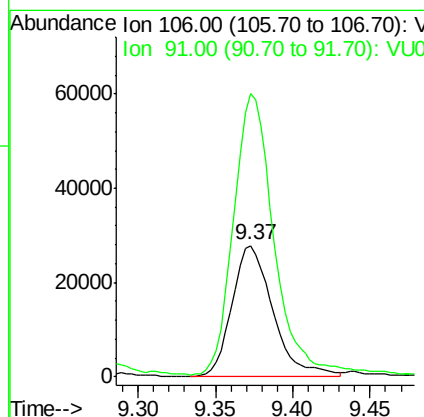
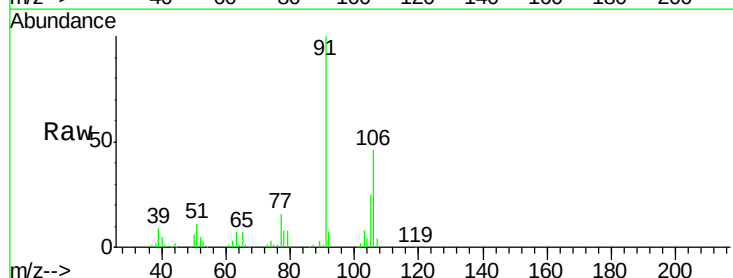
Manual Integrations
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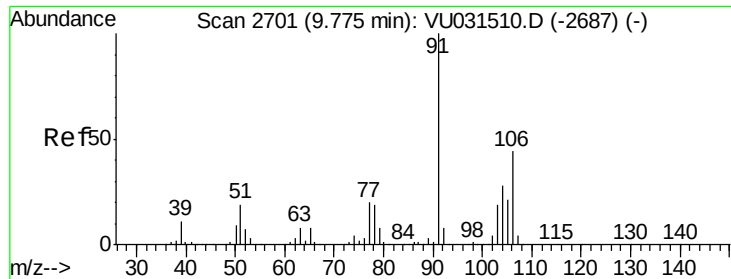
MMdadoda
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#64
m/p-Xylenes
Concen: 1.784 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion: 106 Resp: 51391
Ion Ratio Lower Upper
106 100
91 212.7 171.0 256.4





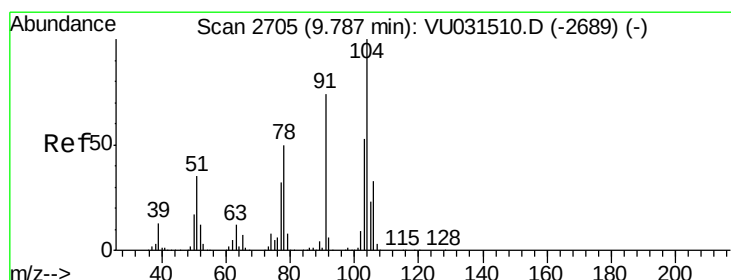
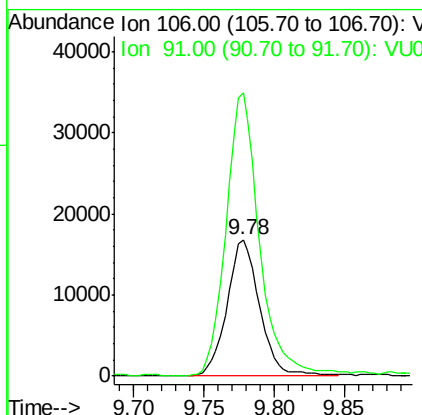
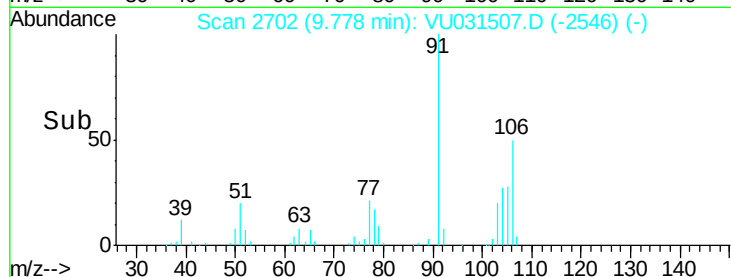
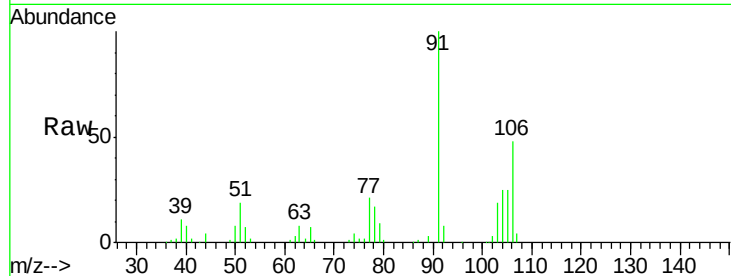
#65
o-Xylene
Concen: 0.961 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 27214
Ion Ratio Lower Upper
106 100
91 213.7 113.8 341.4

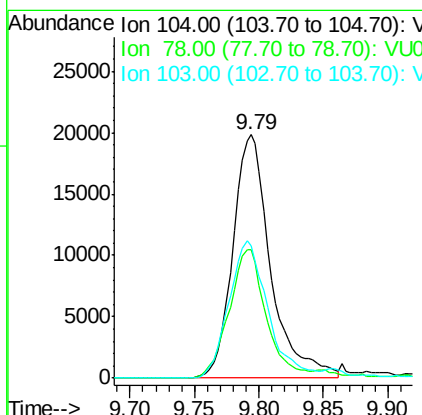
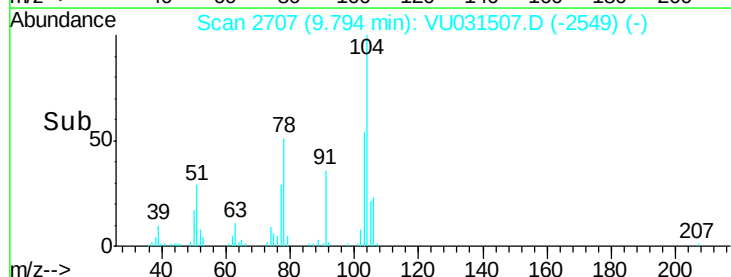
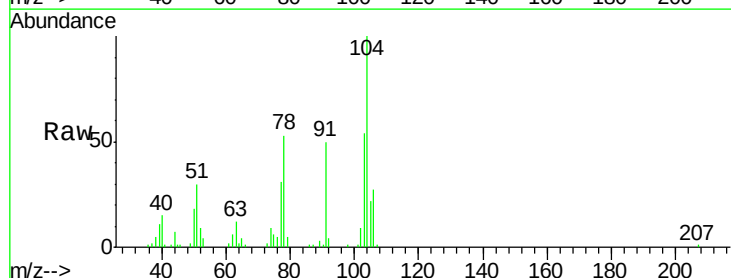
Manual Integrations
APPROVED

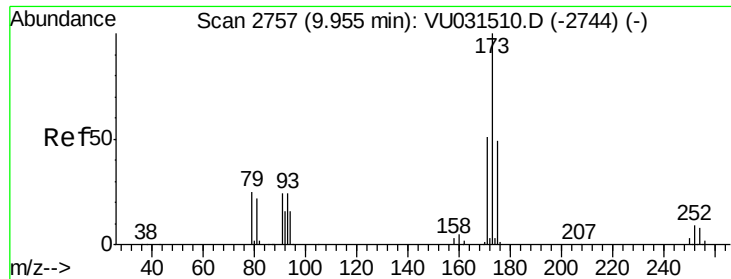
MMdadoda
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#66
Styrene
Concen: 1.023 ug/l
RT: 9.79 min Scan# 2707
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion:104 Resp: 40377
Ion Ratio Lower Upper
104 100
78 51.8 42.5 63.7
103 58.4 44.5 66.7





#67

Bromoform

Concen: 1.058 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

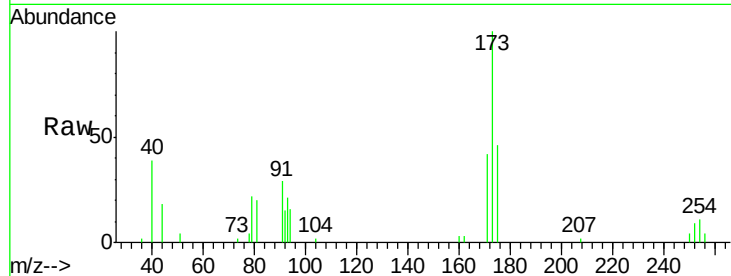
ClientSampleId :

VSTDIC001

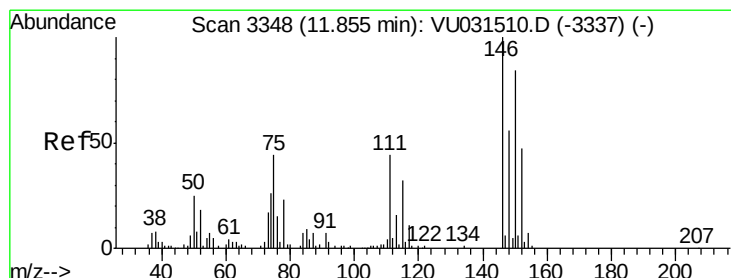
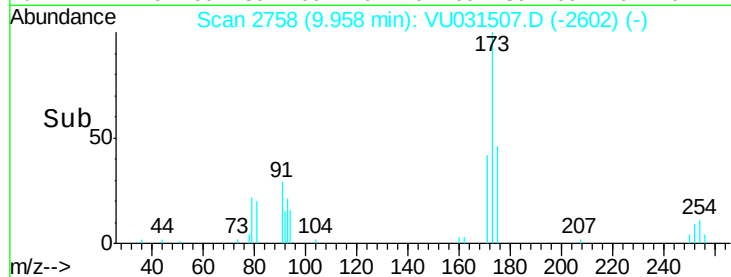
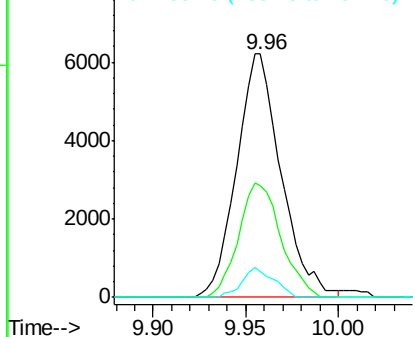
Tot Ion:	173	Resp:	10329
Ion Ratio	Lower	Upper	
173	100		
175	44.5	38.7	58.1
254	8.8	6.0	9.0

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.046 ug/l

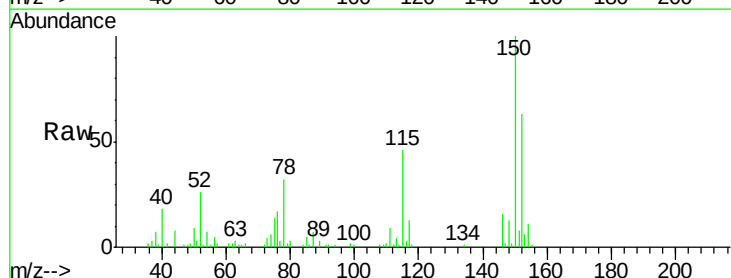
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

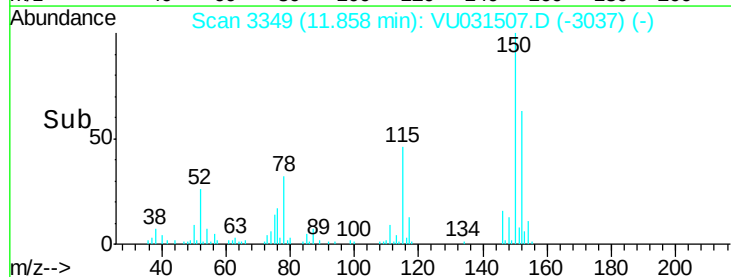
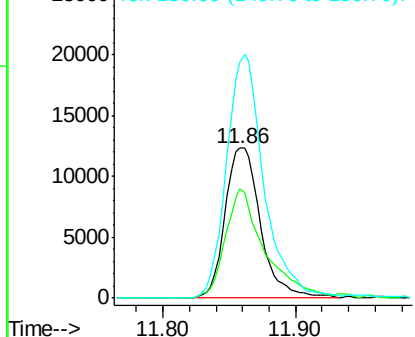
Lab File: VU031507.D

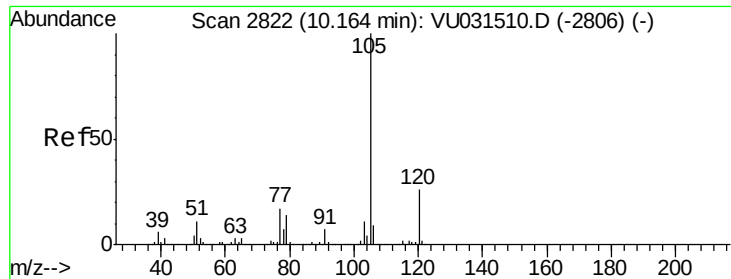
Acq: 25 Apr 2019 18:29

Tgt Ion:	152	Resp:	22918
Ion Ratio	Lower	Upper	
152	100		
115	80.5	0.0	123.2
150	170.9	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: 0.943 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 68983

Ion Ratio Lower Upper

105 100

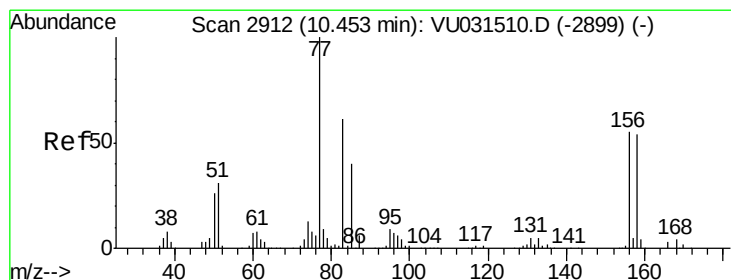
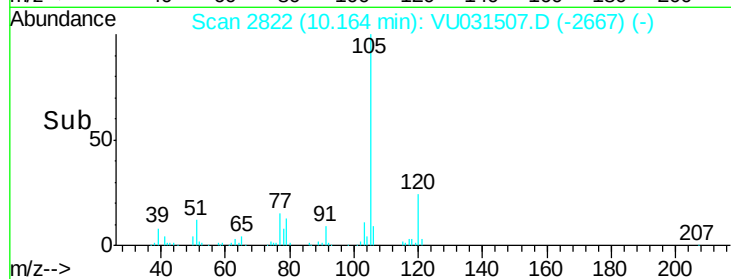
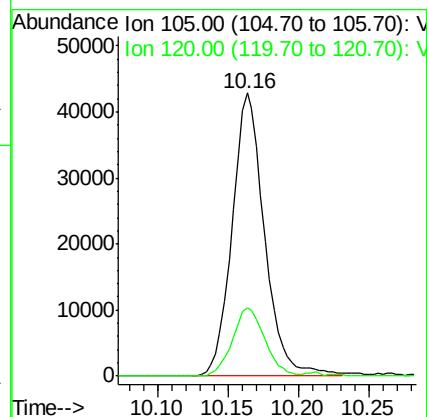
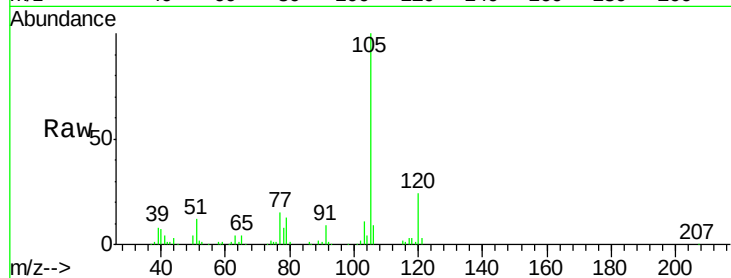
120 24.1 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.113 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

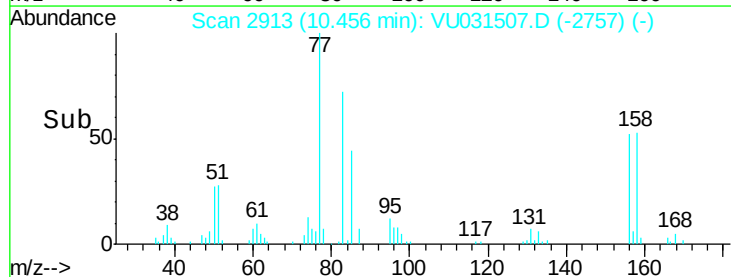
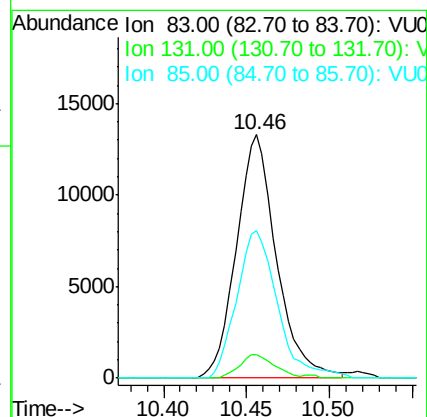
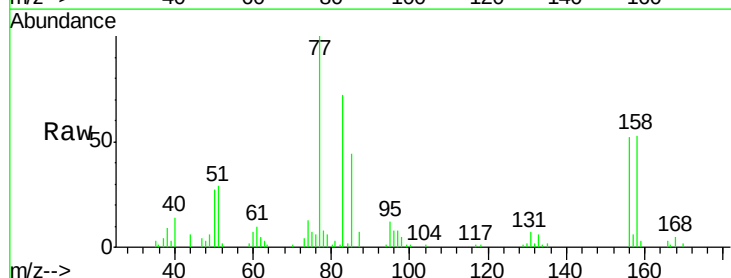
Tgt Ion: 83 Resp: 22328

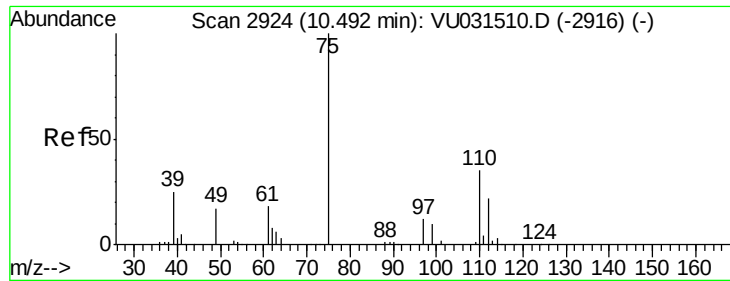
Ion Ratio Lower Upper

83 100

131 8.4 7.2 10.8

85 61.6 52.8 79.2





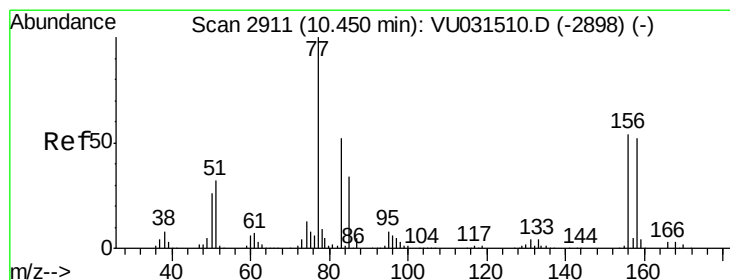
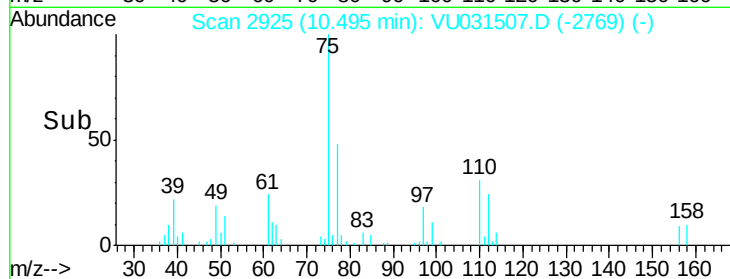
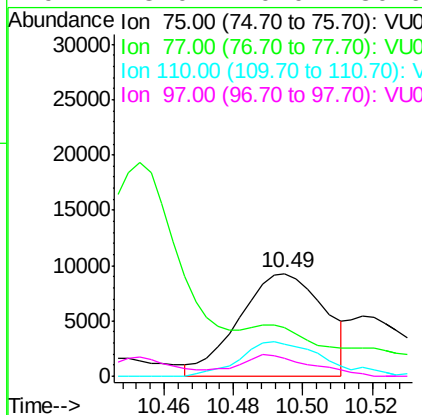
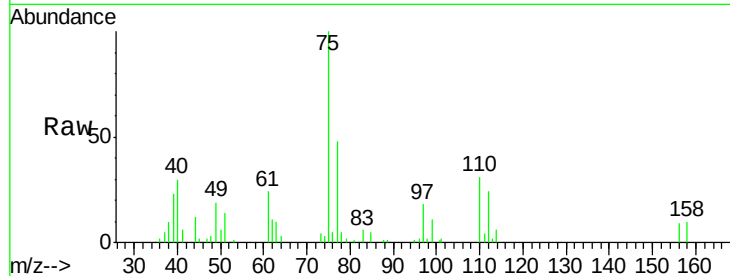
#71
 1,2,3-Trichloropropane
 Concen: 1.111 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	15884
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	33.2	0.0	68.2
97	18.0	0.0	36.6

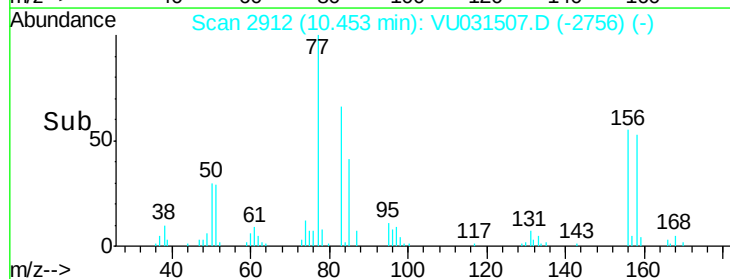
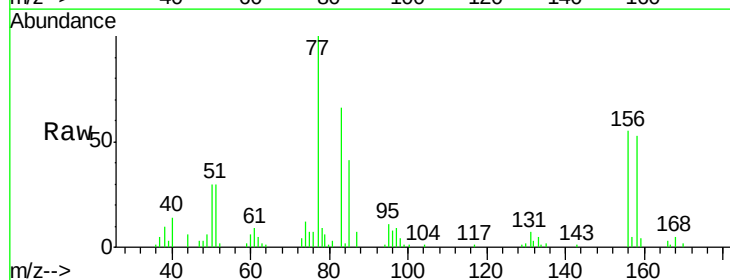
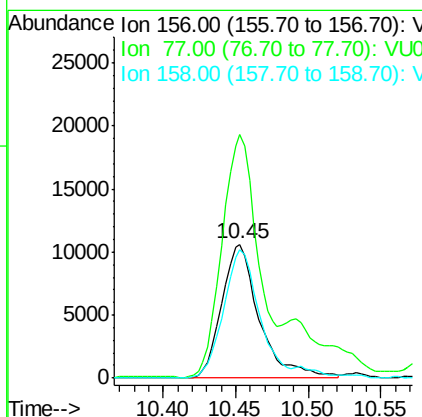
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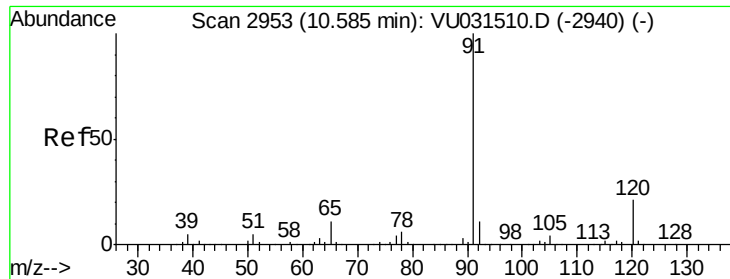
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#72
 Bromobenzene
 Concen: 1.014 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion:	156	Resp:	19091
Ion Ratio	Lower	Upper	
156	100		
77	172.3	0.0	353.4
158	90.6	0.0	190.6





#73

n-propylbenzene

Concen: 0.994 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 16404

Ion Ratio Lower Upper

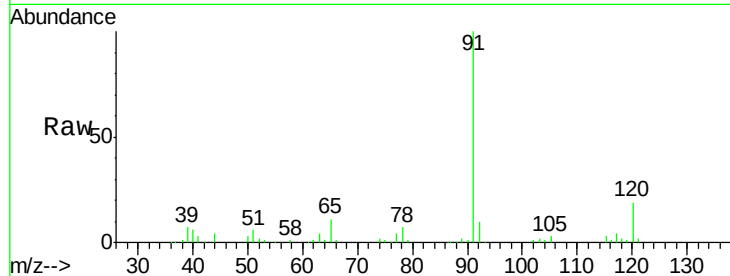
120 100

91 509.5 373.9 560.9

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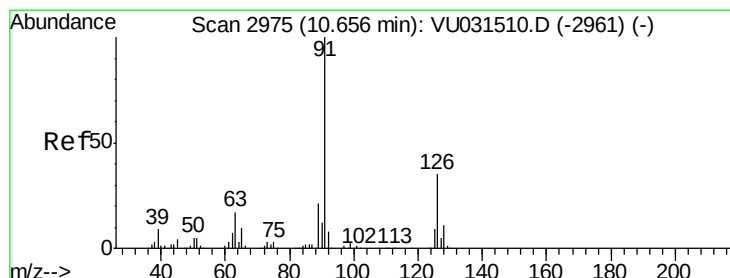
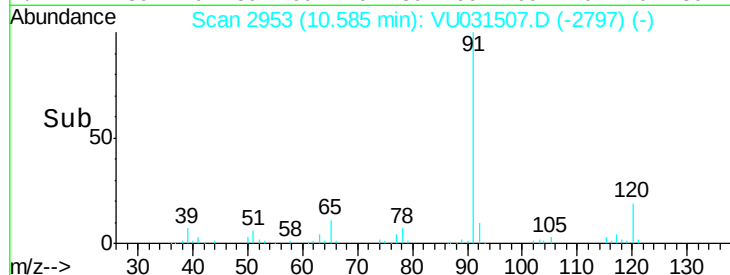
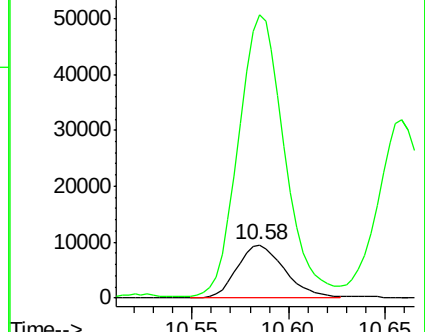
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.973 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031507.D

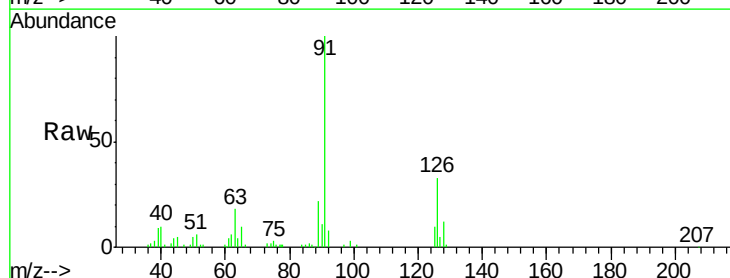
Acq: 25 Apr 2019 18:29

Tgt Ion:126 Resp: 17763

Ion Ratio Lower Upper

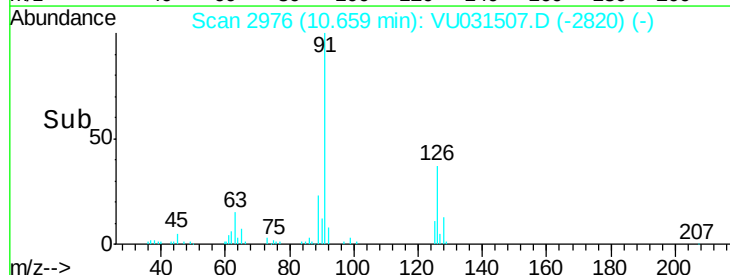
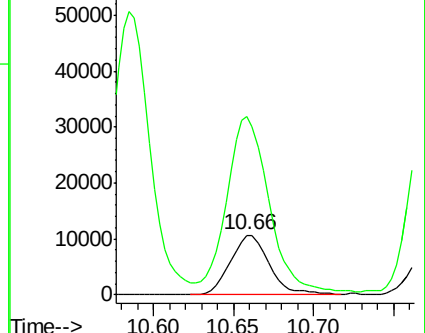
126 100

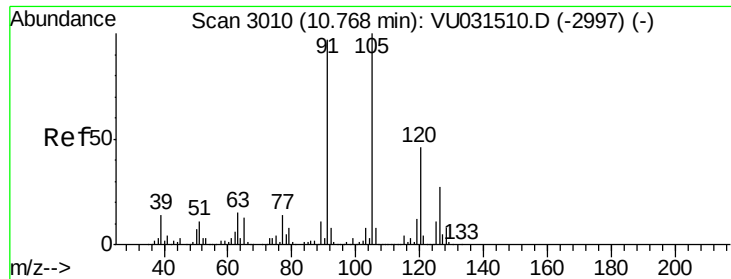
91 320.4 0.0 659.6



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: 0.959 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 54227

Ion Ratio Lower Upper

105 100

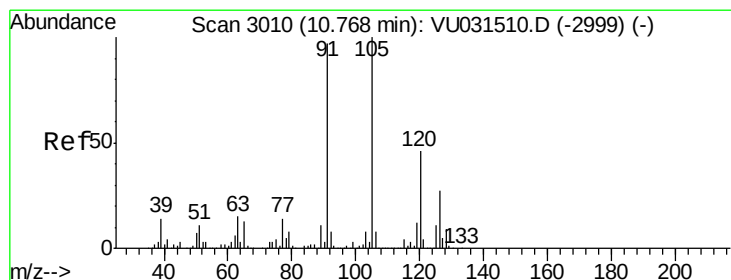
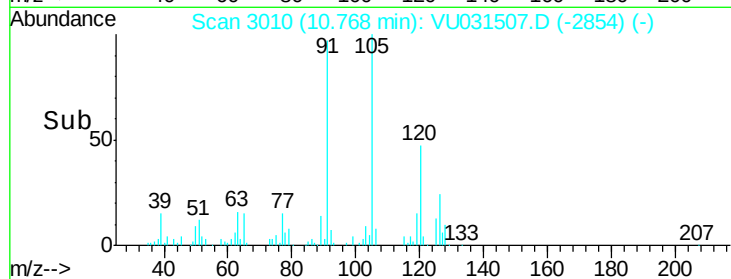
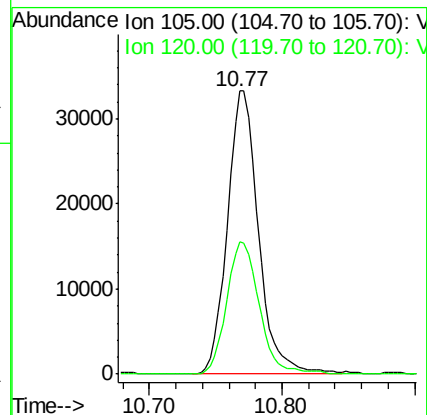
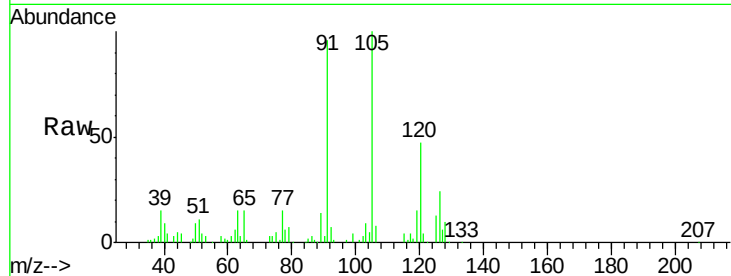
120 49.1 36.8 55.2

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.906 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU031507.D

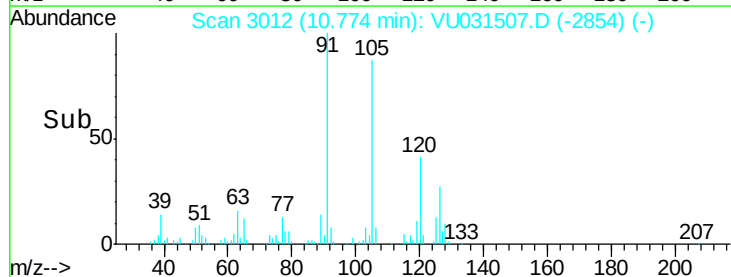
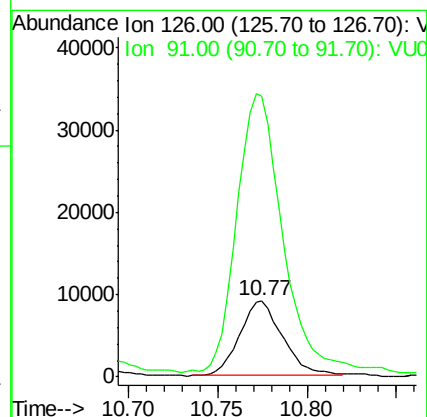
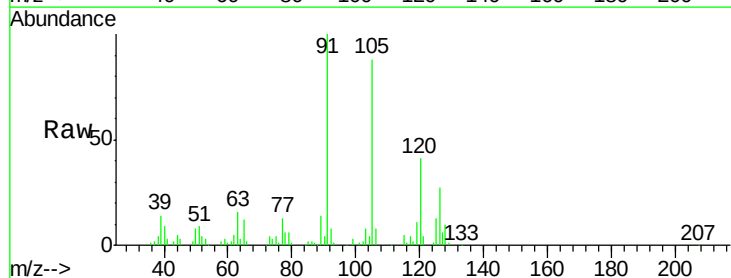
Acq: 25 Apr 2019 18:29

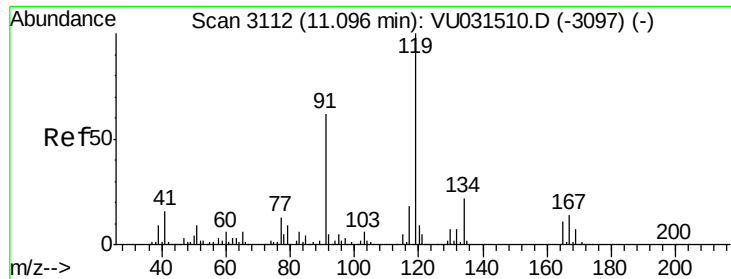
Tgt Ion:126 Resp: 15319

Ion Ratio Lower Upper

126 100

91 402.2 0.0 732.0





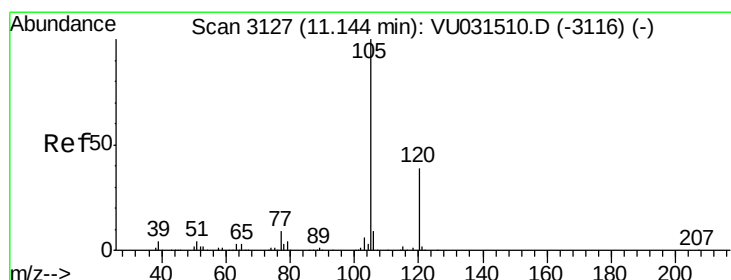
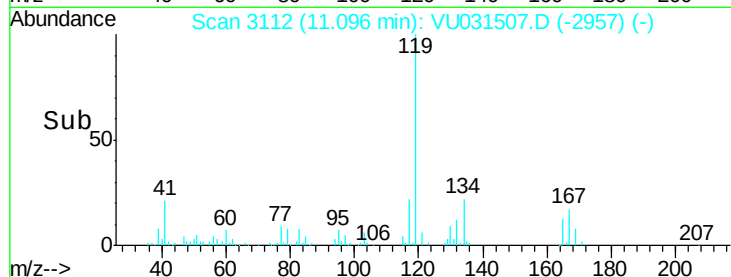
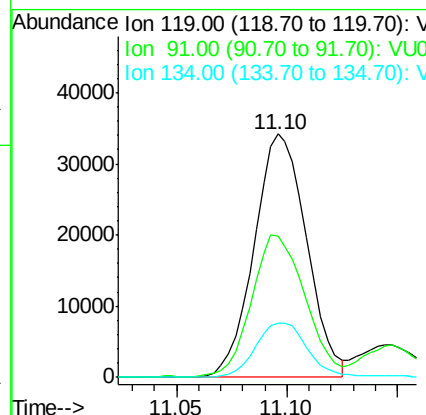
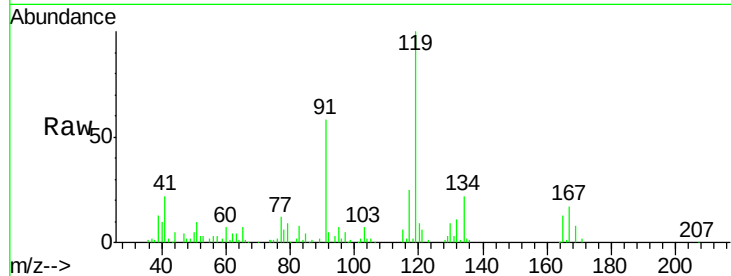
#77
 tert-Butylbenzene
 Concen: 0.961 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. -0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	31.4	94.2
134	22.2	17.4	26.2

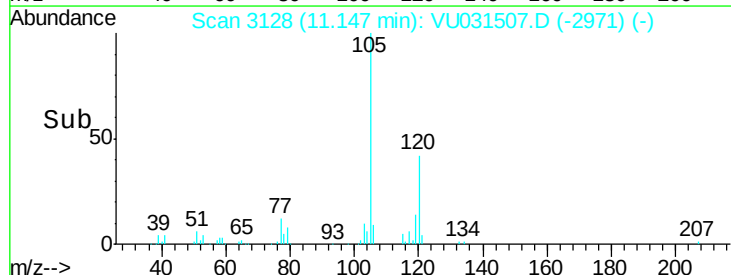
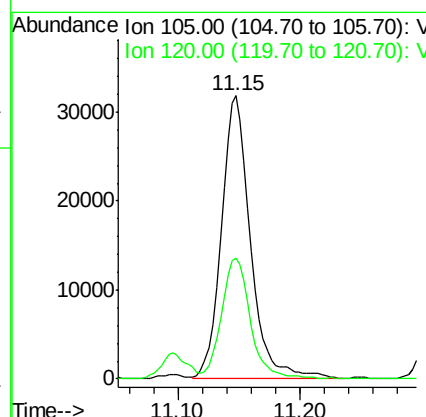
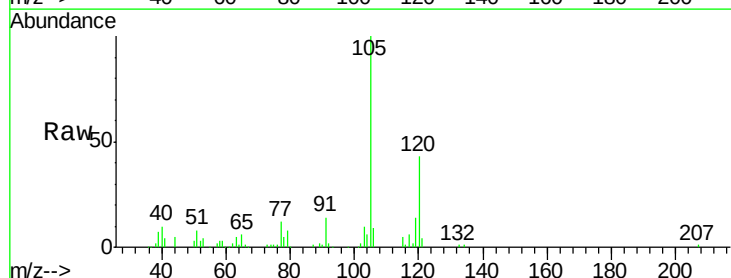
Manual Integrations
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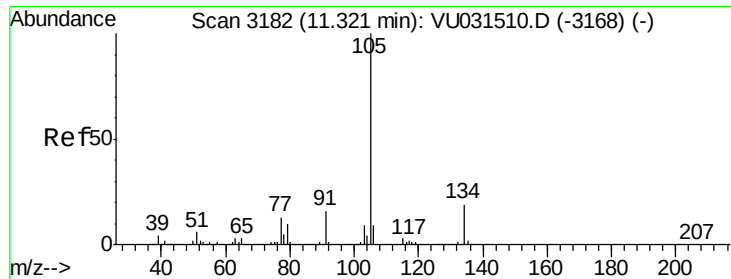
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.937 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.6	65.0





#79

sec-Butylbenzene

Concen: 0.994 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 75649

Ion Ratio Lower Upper

105 100

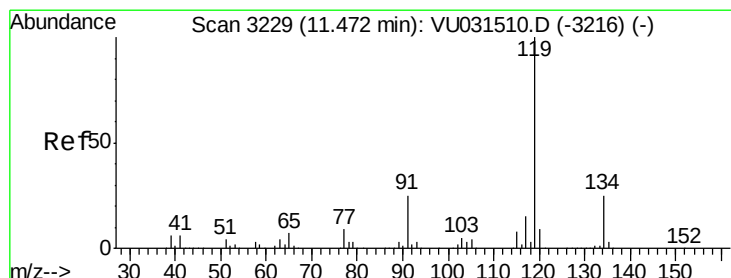
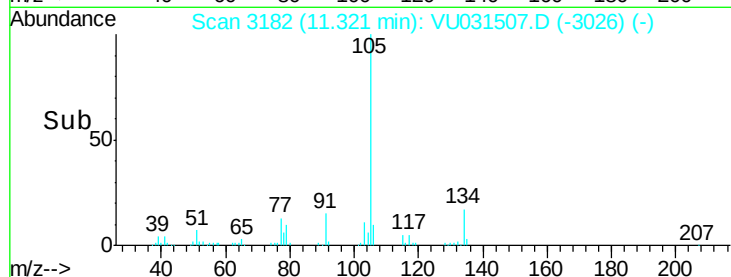
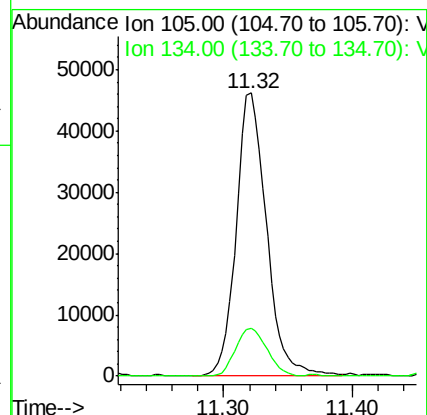
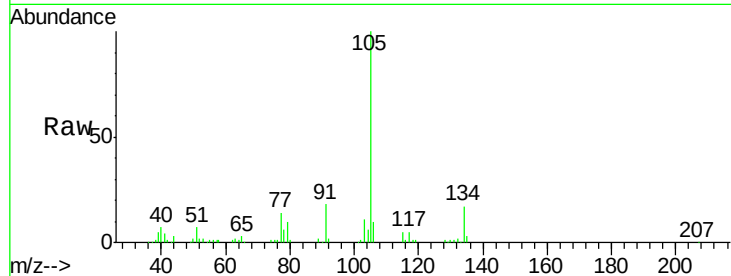
134 17.4 15.0 22.6

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#81

p-Isopropyltoluene

Concen: 1.009 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

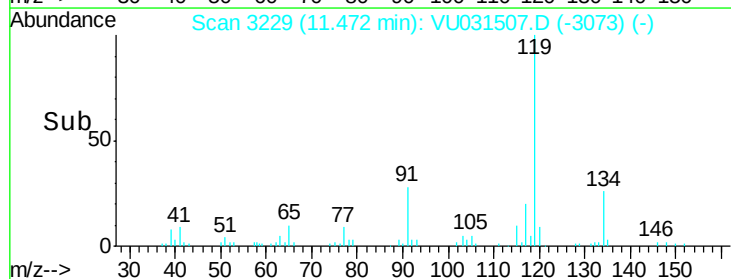
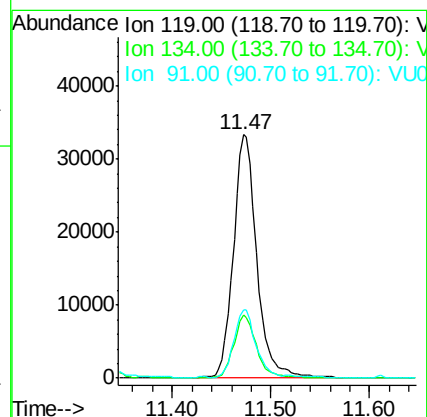
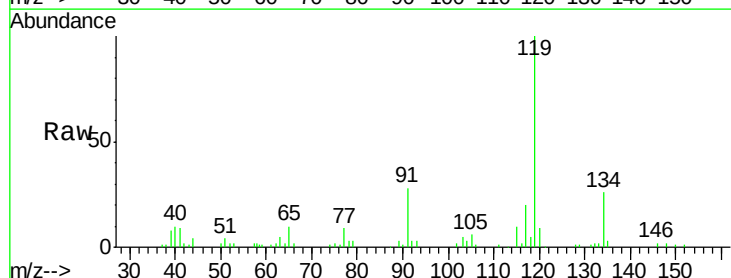
Tgt Ion:119 Resp: 55411

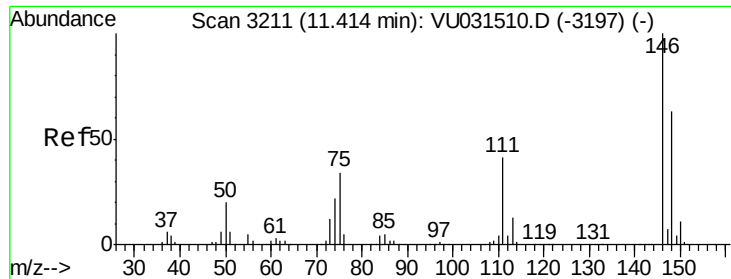
Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

91 25.6 20.3 30.5





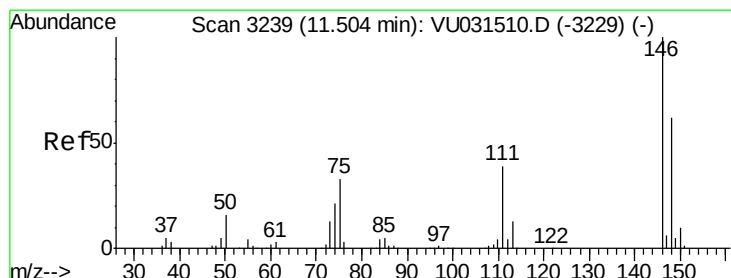
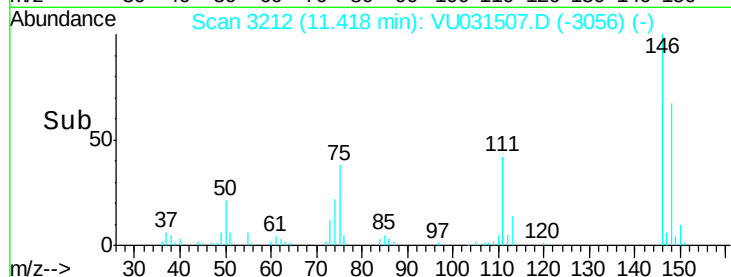
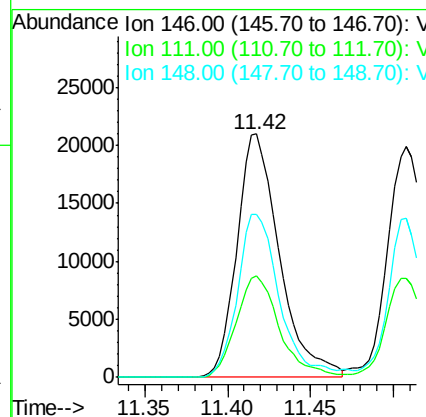
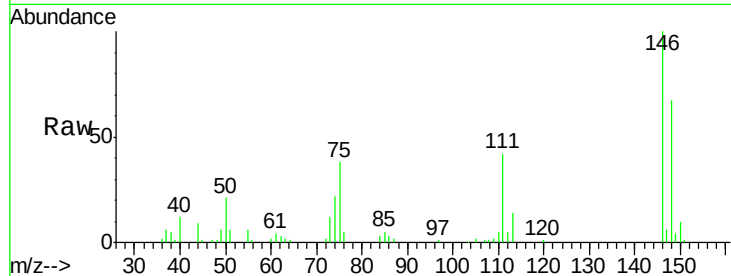
#82
 1,3-Dichlorobenzene
 Concen: 1.020 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	33.4	50.0
148	66.9	50.2	75.4

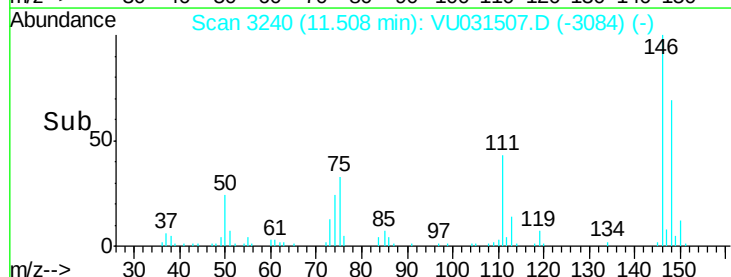
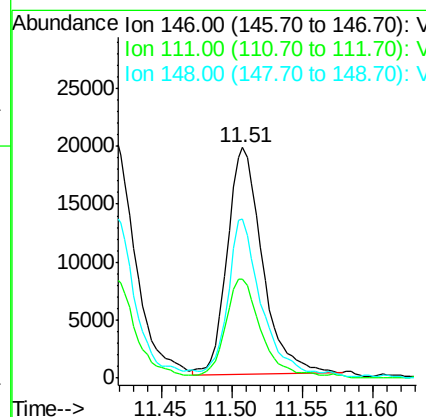
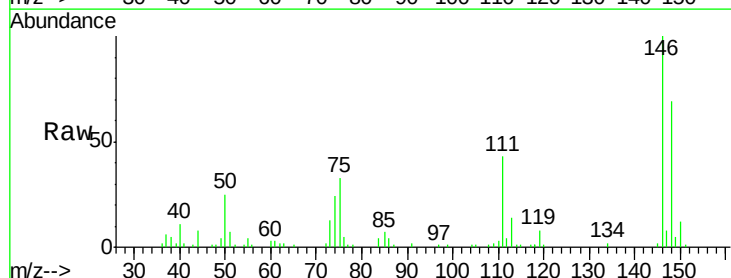
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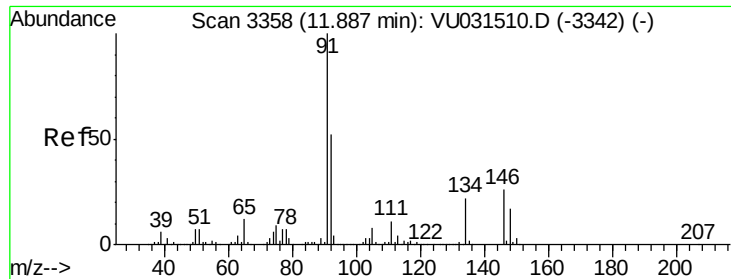
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#83
 1,4-Dichlorobenzene
 Concen: 0.967 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	32.2	48.4
148	67.4	51.2	76.8





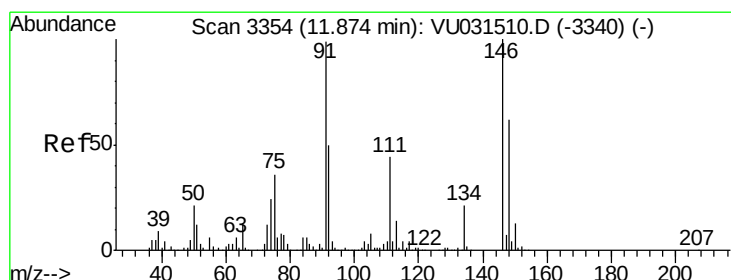
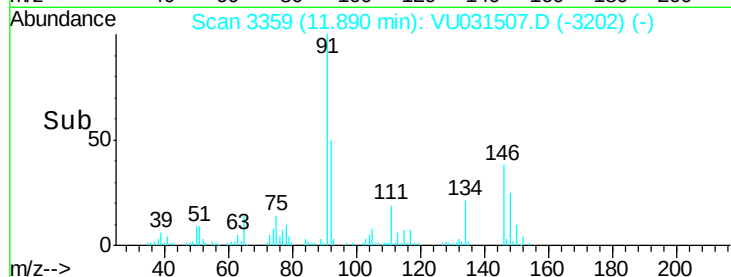
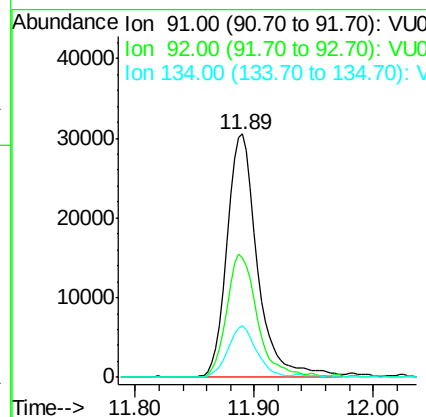
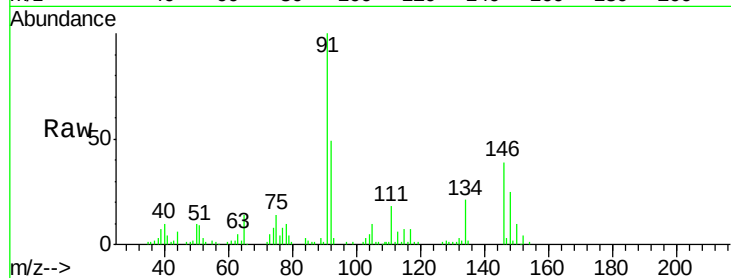
#84
n-Butylbenzene
Concen: 1.073 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	41.2	61.8
134	20.0	18.1	27.1

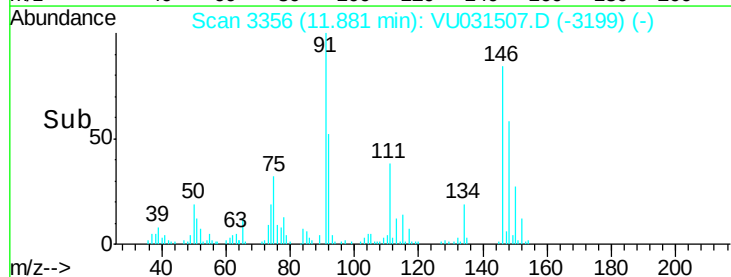
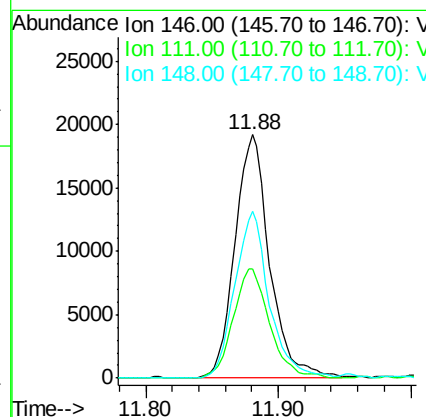
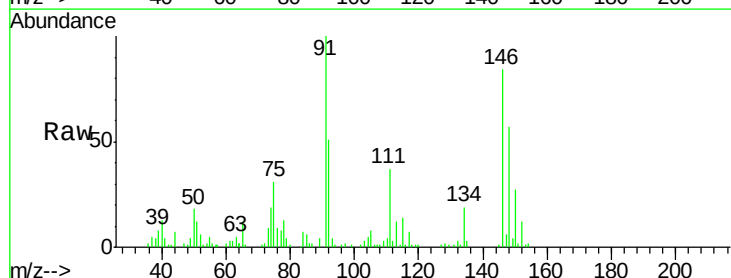
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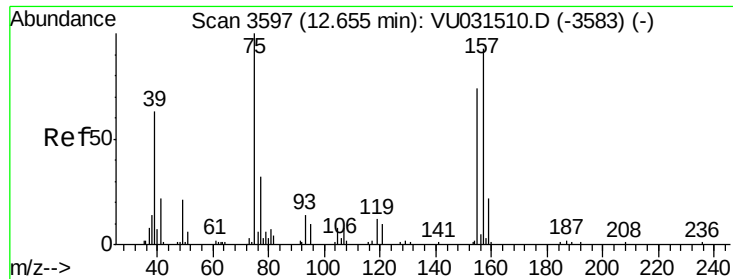
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#85
1,2-Dichlorobenzene
Concen: 1.008 ug/l
RT: 11.88 min Scan# 3356
Delta R.T. 0.01 min
Lab File: VU031507.D
Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.7	21.7	65.1
148	67.7	31.6	94.7





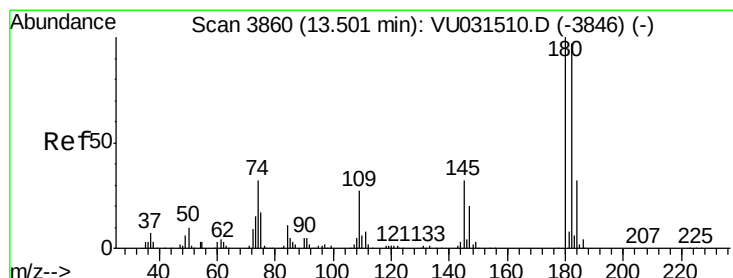
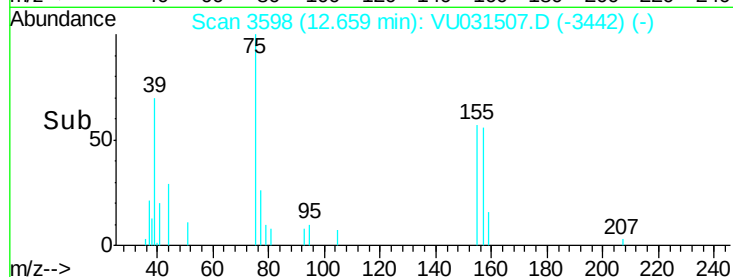
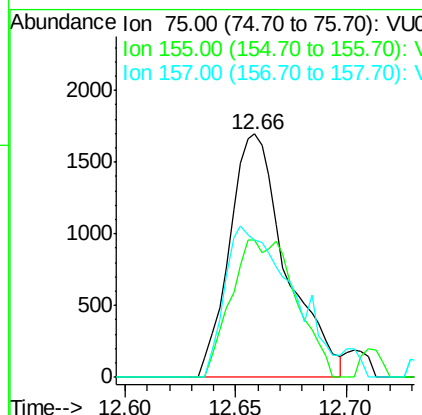
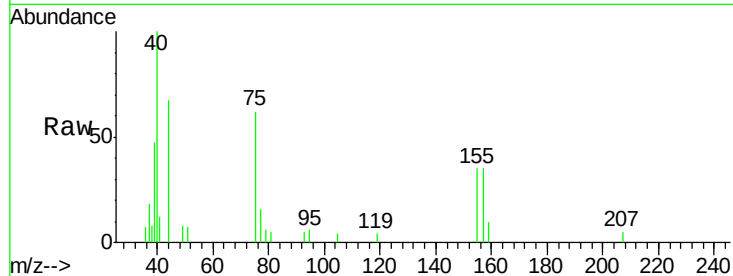
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.095 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	64.4	58.5	87.7
157	73.6	75.0	112.4

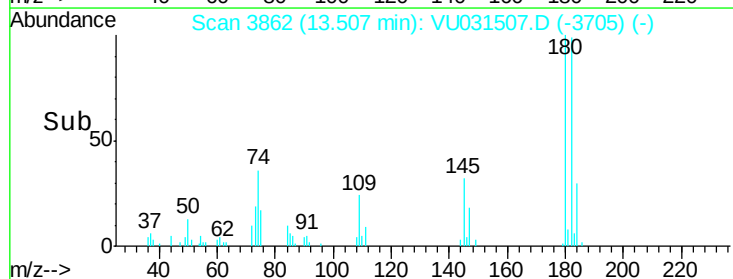
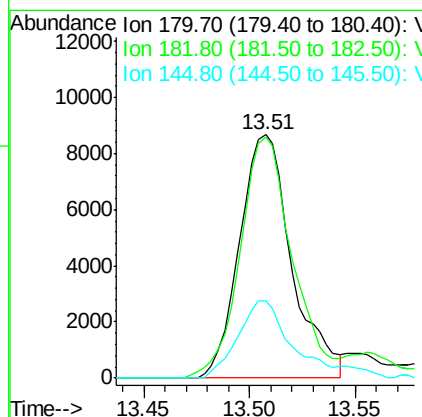
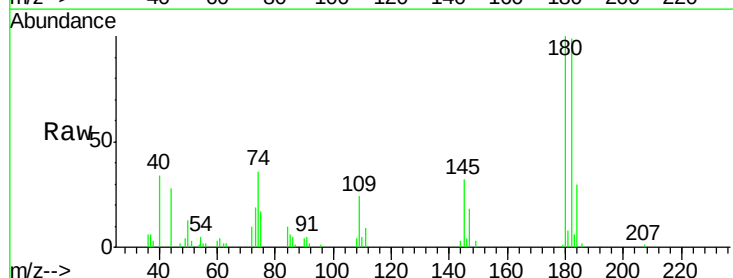
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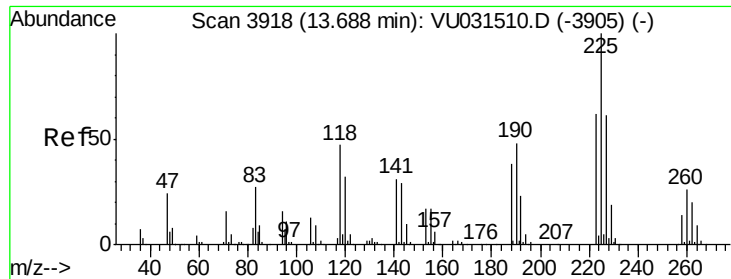
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.829 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	75.5	113.3
145	34.6	23.9	35.9





#88

Hexachlorobutadiene

Concen: 1.076 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU031507.D

Acq: 25 Apr 2019 18:29

Instrument :

MSVOA_U

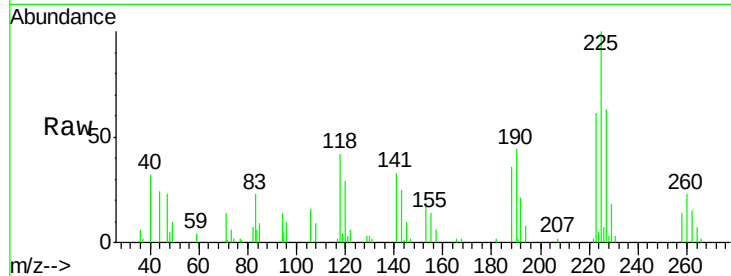
ClientSampleId :

VSTDIC001

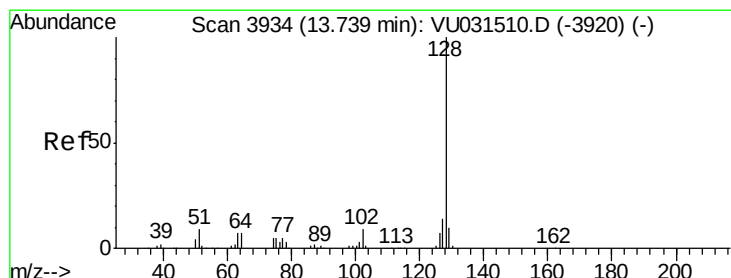
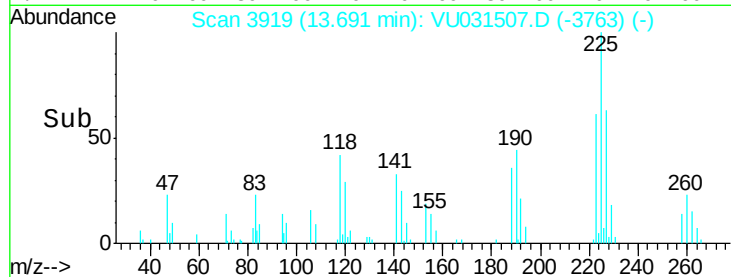
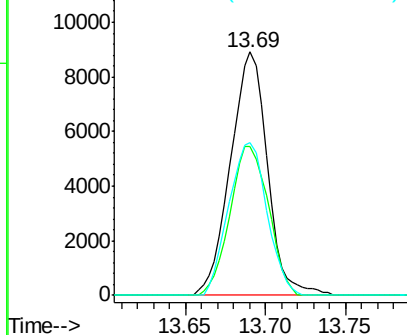
Tot Ion:	225	Resp:	13997
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.2	75.4
227	65.0	50.4	75.6

Manual Integrations
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Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 1.186 ug/l

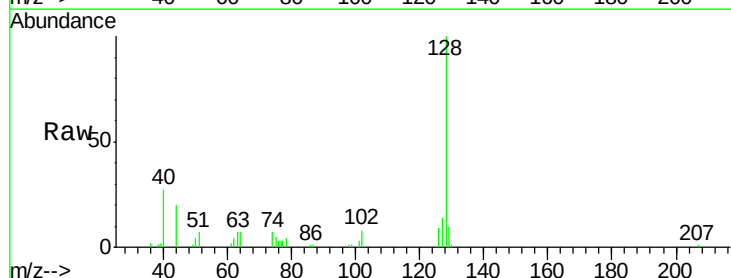
RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

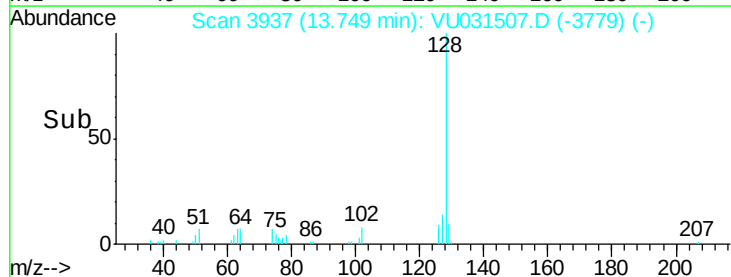
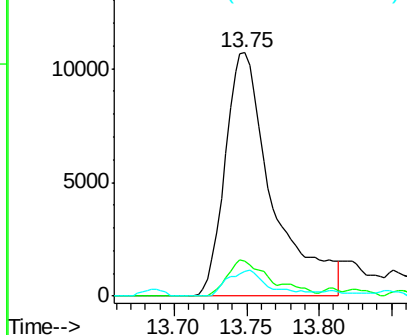
Lab File: VU031507.D

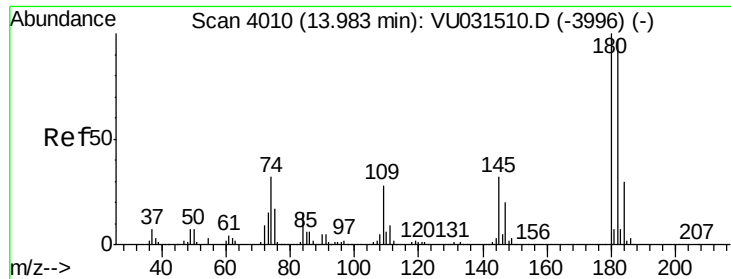
Acq: 25 Apr 2019 18:29

Tgt Ion:	128	Resp:	24215
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.8	16.2
129	8.7	8.2	12.2



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





#90
 1,2,3-Trichlorobenzene
 Concen: 1.009 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU031507.D
 Acq: 25 Apr 2019 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	15850		
182	106.4	77.1	115.7	
145	25.5	25.9	38.9	

Manual Integrations
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