

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025059.D
 Acq On : 29 Jun 2018 07:37
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:51 PM

Quant Time: Jun 29 09:09:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	199645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307969	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	293243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	178202	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	141760	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
35) Dibromofluoromethane	4.89	113	115212	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
50) Toluene-d8	7.57	98	388718	41.69	ug/l	0.00
Spiked Amount			Recovery	=	83.38%	
62) 4-Bromofluorobenzene	10.31	95	163099	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	106072	42.45	ug/l	98
3) Chloromethane	1.33	50	116759	45.73	ug/l	100
4) Vinyl Chloride	1.40	62	125177	47.54	ug/l	99
5) Bromomethane	1.61	94	75849	59.59	ug/l	99
6) Chloroethane	1.69	64	78595	53.49	ug/l	99
7) Trichlorofluoromethane	1.88	101	199238	49.59	ug/l	99
8) Diethyl Ether	2.10	74	76642	56.29	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	118946	47.72	ug/l	97
10) Methyl Iodide	2.41	142	147832	67.95	ug/l	98
11) Tert butyl alcohol	2.83	59	190676	240.55	ug/l	99
12) 1,1-Dichloroethene	2.28	96	113987	50.14	ug/l	94
13) Acrolein	2.19	56	40049	96.21	ug/l	97
14) Allyl chloride	2.59	41	187469	44.42	ug/l	97
15) Acrylonitrile	2.93	53	389900	252.81	ug/l	99
16) Acetone	2.32	43	362087	206.77	ug/l	99
17) Carbon Disulfide	2.48	76	317759	43.65	ug/l	98
18) Methyl Acetate	2.62	43	233296	62.14	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	454862	53.23	ug/l	96
20) Methylene Chloride	2.70	84	137163	49.92	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	125608	50.17	ug/l	98
22) Diisopropyl ether	3.57	45	425416	50.84	ug/l	94
23) Vinyl Acetate	3.53	43	1720765	229.58	ug/l	98
24) 1,1-Dichloroethane	3.45	63	244626	50.82	ug/l	99
25) 2-Butanone	4.26	43	556913	236.76	ug/l	95
26) 2,2-Dichloropropane	4.23	77	140268	30.69	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	148688	51.66	ug/l	94
28) Bromochloromethane	4.55	49	97936	46.19	ug/l	84
29) Tetrahydrofuran	4.63	42	356713	244.88	ug/l	96
30) Chloroform	4.68	83	255790	52.50	ug/l	98
31) Cyclohexane	5.00	56	218069	51.06	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	237059	52.62	ug/l	95
36) 1,1-Dichloropropene	5.14	75	180029	49.75	ug/l	97
37) Ethyl Acetate	4.38	43	206755	52.42	ug/l	97
38) Carbon Tetrachloride	5.14	117	205023	51.52	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	223778	49.55	ug/l	95
40) Benzene	5.39	78	541491	52.51	ug/l	99
41) Methacrylonitrile	4.54	41	115490	54.31	ug/l	98
42) 1,2-Dichloroethane	5.41	62	213549	54.37	ug/l	100
43) Isopropyl Acetate	5.55	43	329945	48.39	ug/l	98
44) Trichloroethene	6.19	130	150365	51.24	ug/l	96
45) 1,2-Dichloropropane	6.44	63	141075	51.27	ug/l	98
46) Dibromomethane	6.56	93	101625	52.58	ug/l	92
47) Bromodichloromethane	6.76	83	194947	50.66	ug/l	98
48) Methyl methacrylate	6.62	41	174820	52.66	ug/l	97
49) 1,4-Dioxane	6.62	88	79085	1218.09	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1064479	248.51	ug/l	97
52) Toluene	7.64	92	347841	52.43	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	199555	46.17	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	211959	46.03	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	143489	53.21	ug/l	97
56) Ethyl methacrylate	8.02	69	223818	49.59	ug/l	100
57) 1,3-Dichloropropane	8.25	76	241715	53.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	53747	31.08	ug/l	93
59) 2-Hexanone	8.36	43	850970	243.35	ug/l	97
60) Dibromochloromethane	8.48	129	161772	48.11	ug/l	100
61) 1,2-Dibromoethane	8.59	107	156287	52.07	ug/l	99
64) Tetrachloroethene	8.23	164	156699	56.22	ug/l	99
65) Chlorobenzene	9.12	112	399814	53.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	147856	51.95	ug/l	97
67) Ethyl Benzene	9.25	91	686263	52.26	ug/l	96
68) m/p-Xylenes	9.38	106	534417	105.97	ug/l	98
69) o-Xylene	9.78	106	267319	53.56	ug/l	96
70) Styrene	9.80	104	425542	51.88	ug/l	99
71) Bromoform	9.96	173	128298	47.43	ug/l #	99
73) Isopropylbenzene	10.17	105	716098	52.34	ug/l	100
74) N-amyl acetate	10.01	43	295712	45.44	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	238240	51.96	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	214379m	54.64	ug/l	
77) Bromobenzene	10.45	156	185501	53.56	ug/l	93
78) n-propylbenzene	10.59	91	808098	50.14	ug/l	97
79) 2-Chlorotoluene	10.66	91	487281	51.27	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	615600	51.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	68266m	40.27	ug/l	
82) 4-Chlorotoluene	10.78	91	564323	51.01	ug/l	99
83) tert-Butylbenzene	11.10	119	604262	52.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	621359	51.42	ug/l	100
85) sec-Butylbenzene	11.33	105	736132	51.56	ug/l	98
86) p-Isopropyltoluene	11.48	119	648385	50.70	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	335795	52.47	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	338066	52.49	ug/l	100
89) n-Butylbenzene	11.89	91	518801	45.70	ug/l	96
90) Hexachloroethane	12.15	117	108667	43.56	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	348555	54.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	62062	49.06	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	219449	55.44	ug/l	99
94) Hexachlorobutadiene	13.70	225	114485	51.39	ug/l	98
95) Naphthalene	13.74	128	746879	56.90	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	228782	58.01	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 199645

Ion Ratio Lower Upper

168 100

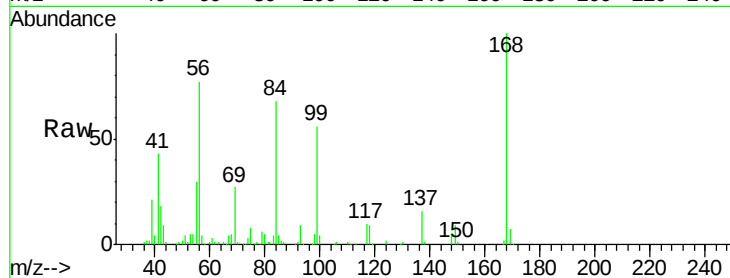
99 55.8 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

100000

80000

60000

40000

20000

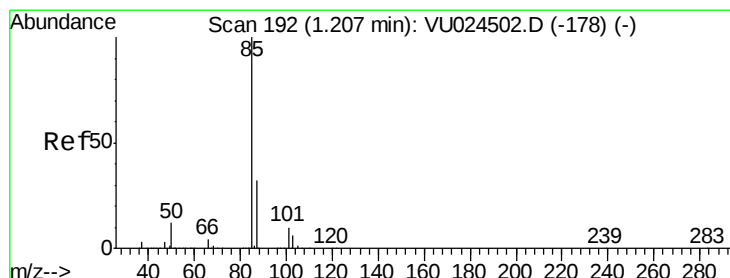
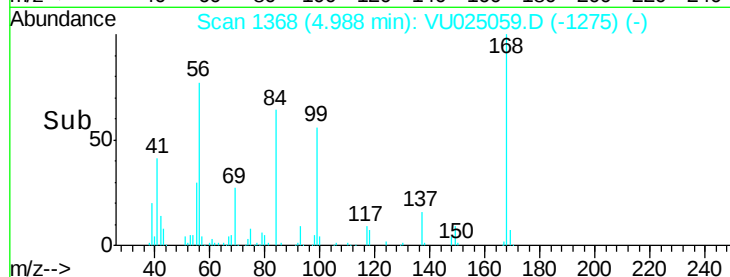
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.45 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025059.D

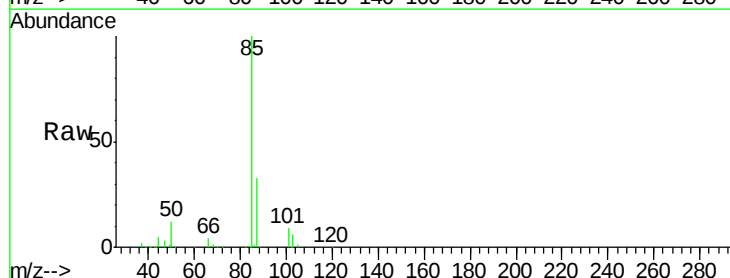
Acq: 29 Jun 2018 07:37

Tgt Ion: 85 Resp: 106072

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

120000

100000

80000

60000

40000

20000

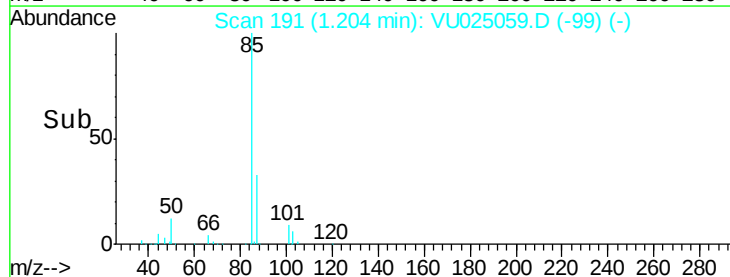
0

1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 45.73 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 116759

Ion Ratio Lower Upper

50 100

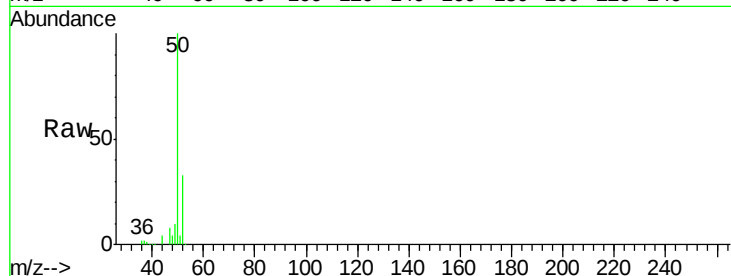
52 32.8 26.4 39.6

Manual Integrations

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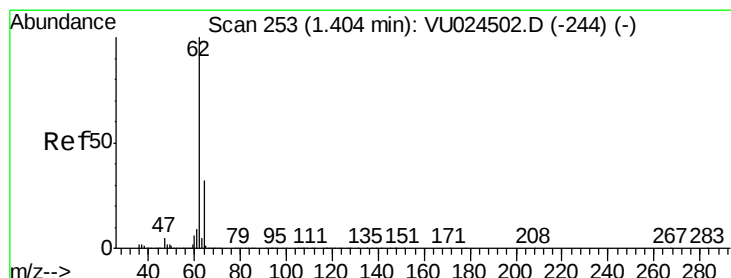
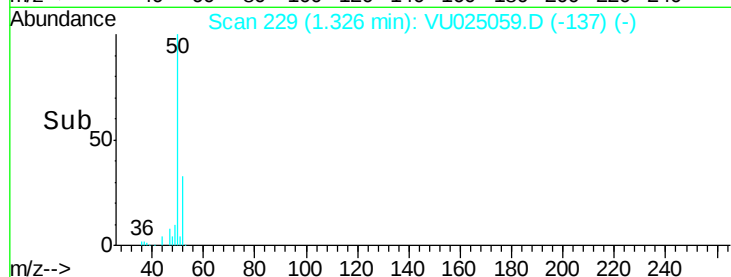
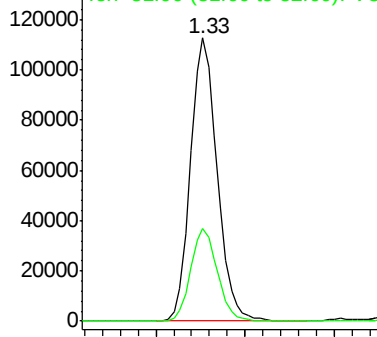
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.54 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025059.D

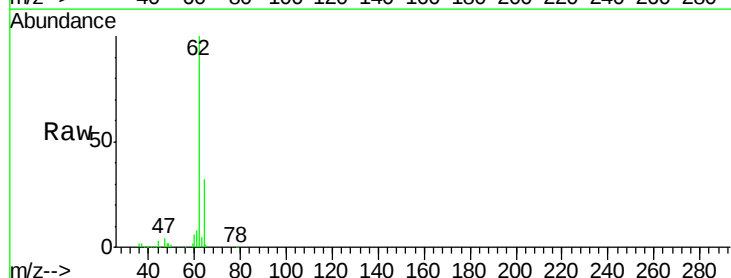
Acq: 29 Jun 2018 07:37

Tgt Ion: 62 Resp: 125177

Ion Ratio Lower Upper

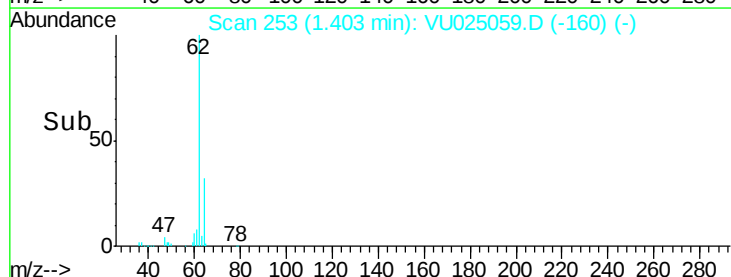
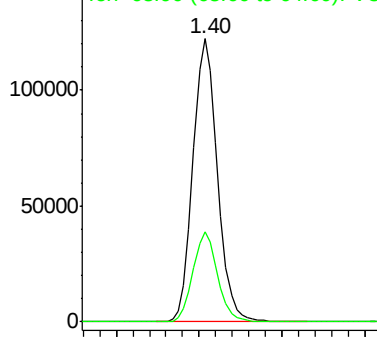
62 100

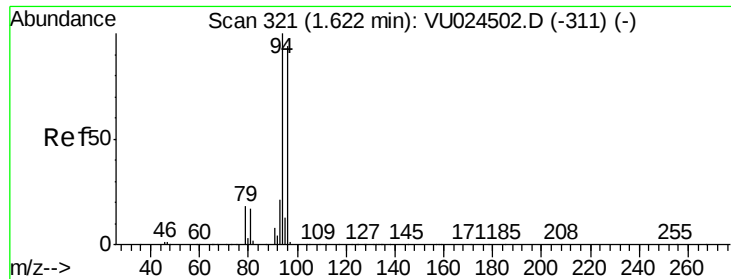
64 31.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 59.59 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75849

Ion Ratio Lower Upper

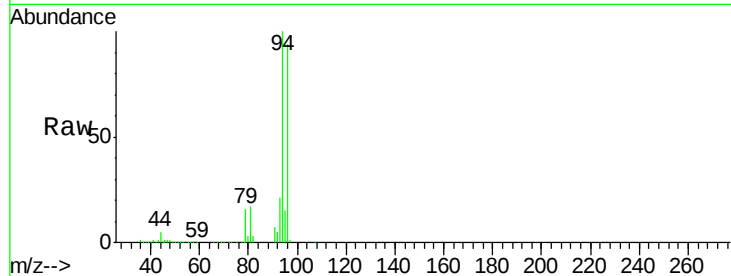
94 100

96 94.0 74.5 111.7

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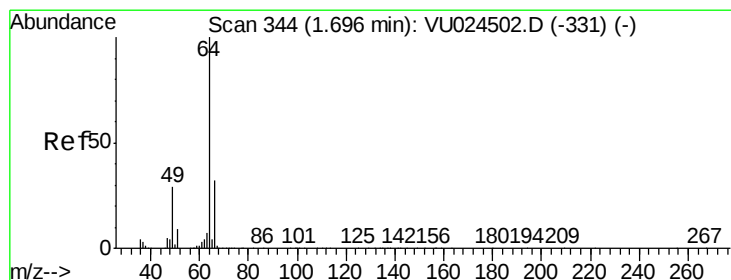
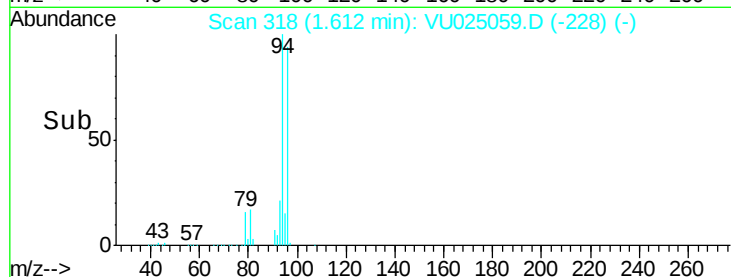
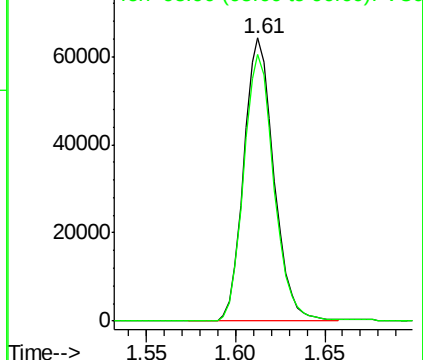
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Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)



#6

Chloroethane

Concen: 53.49 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025059.D

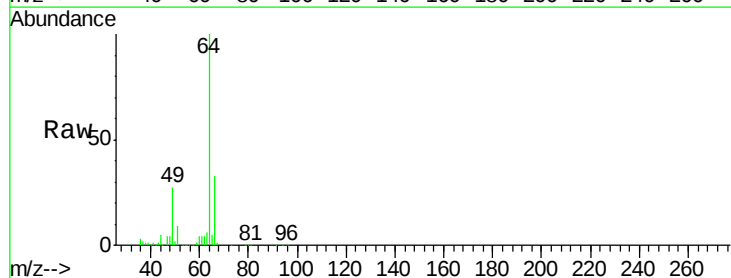
Acq: 29 Jun 2018 07:37

Tgt Ion: 64 Resp: 78595

Ion Ratio Lower Upper

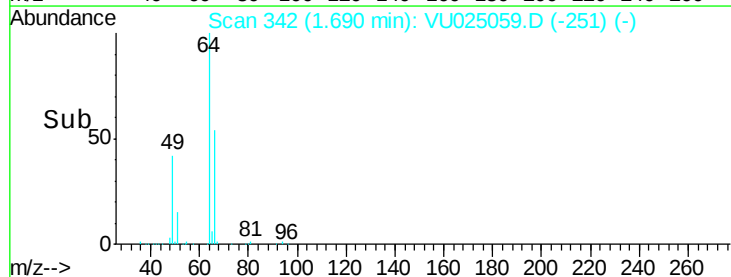
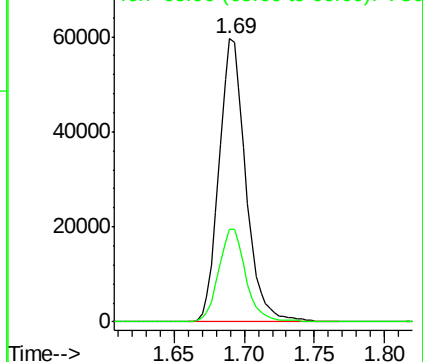
64 100

66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)





#7

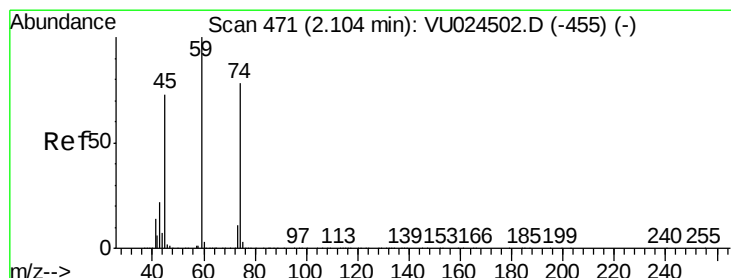
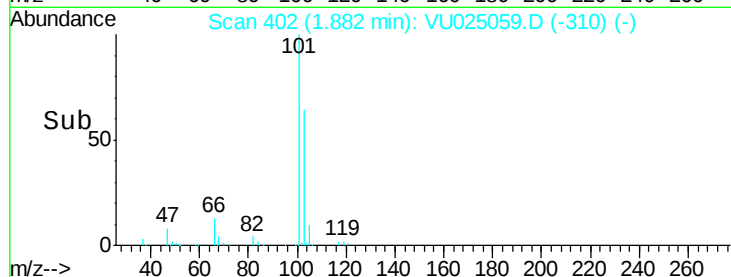
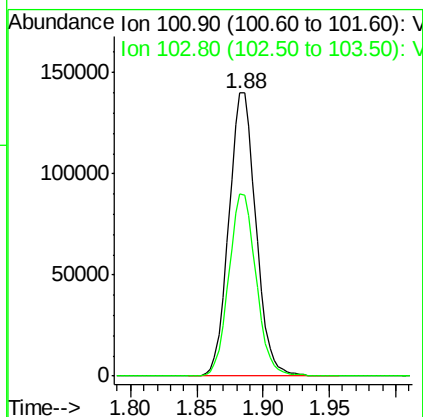
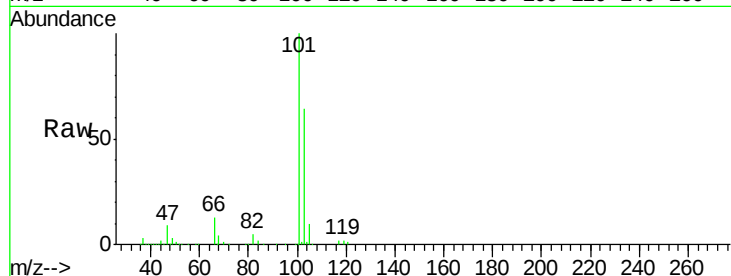
Trichlorofluoromethane
Concen: 49.59 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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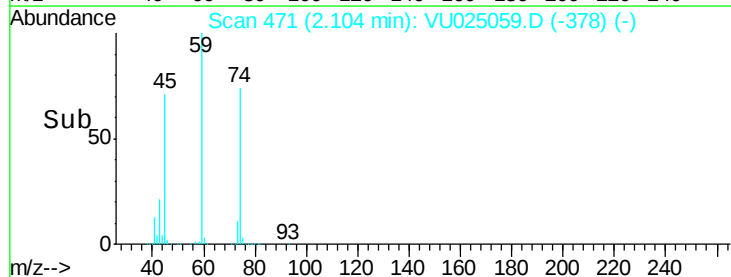
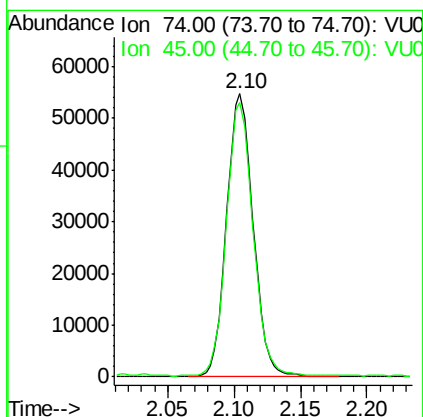
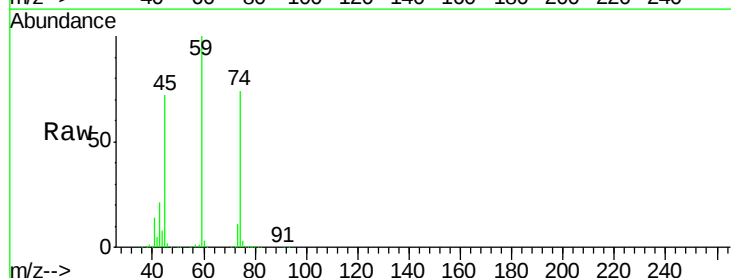
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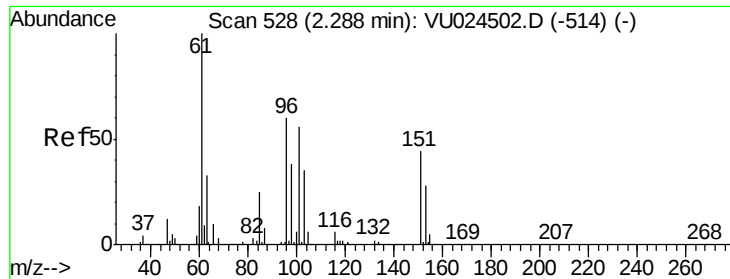


#8

Diethyl Ether
Concen: 56.29 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.72 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

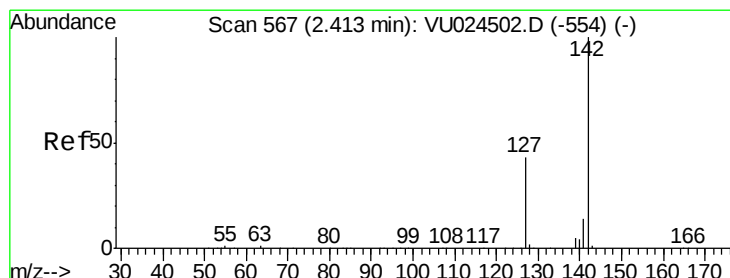
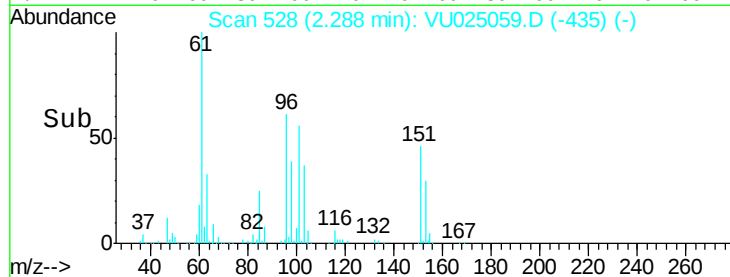
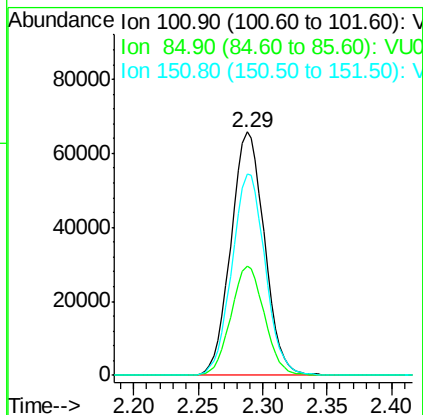
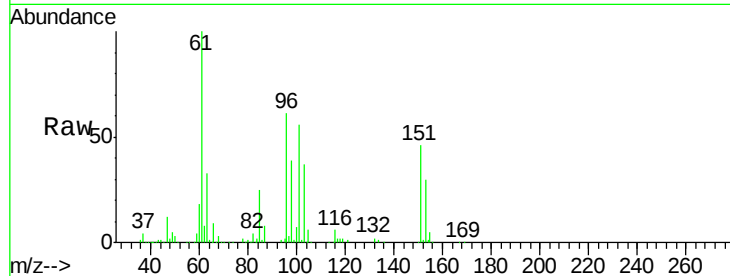
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	118946
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	82.2	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 67.95 ug/l

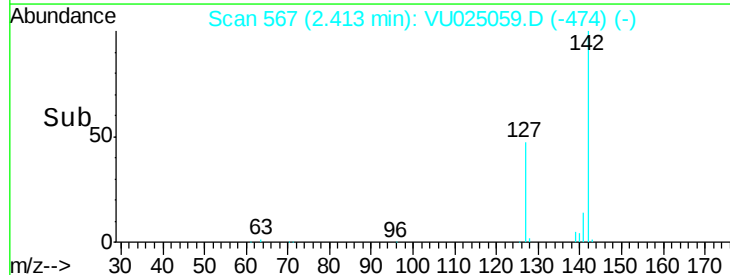
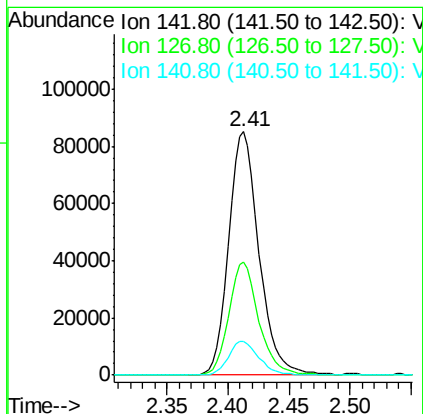
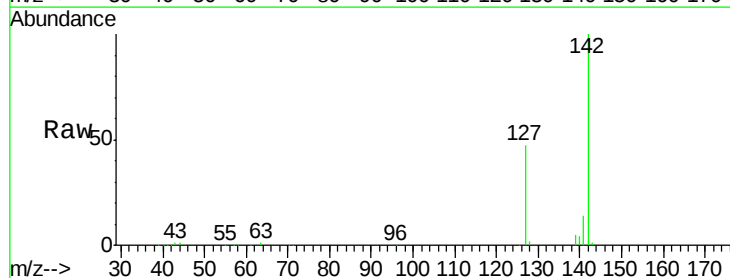
RT: 2.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	142	Resp:	147832
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.6	53.4
141	14.0	11.7	17.5





#11

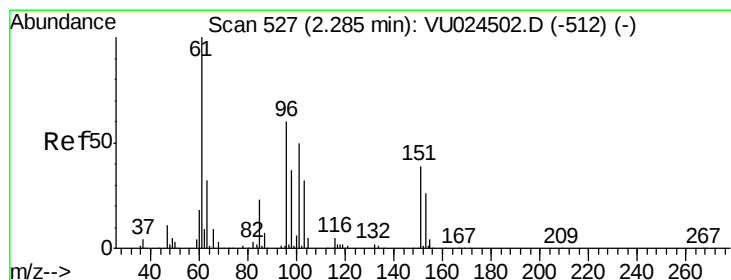
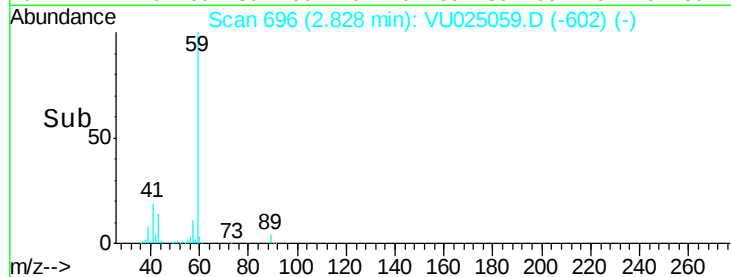
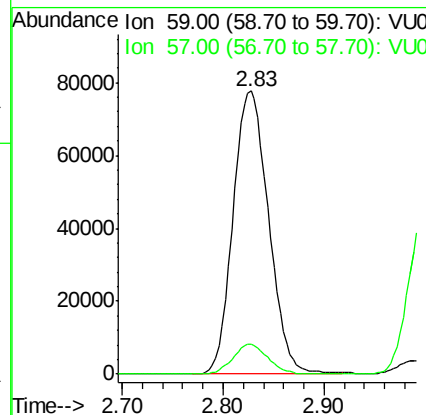
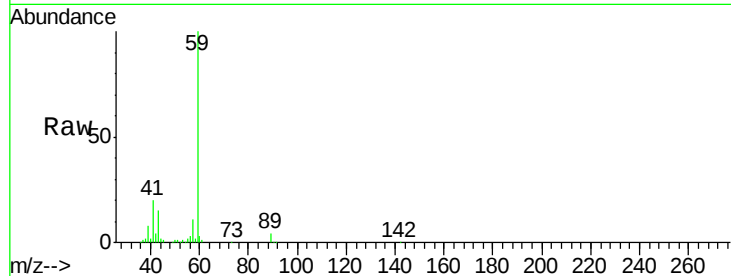
Tert butyl alcohol
 Concen: 240.55 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
 APPROVED

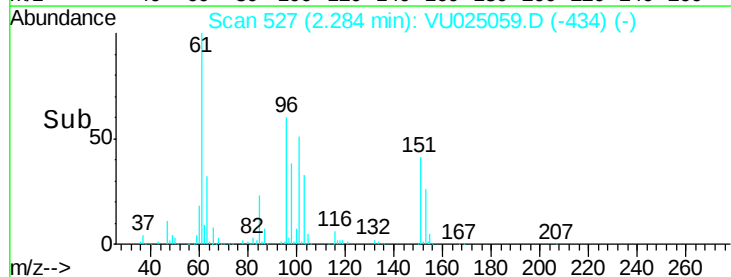
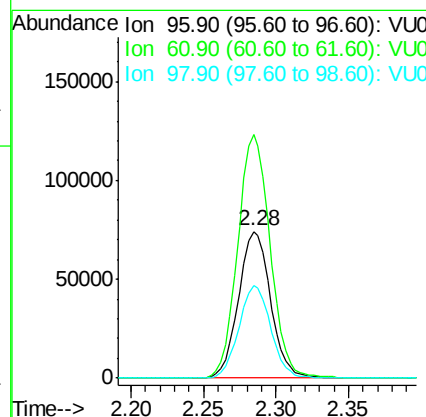
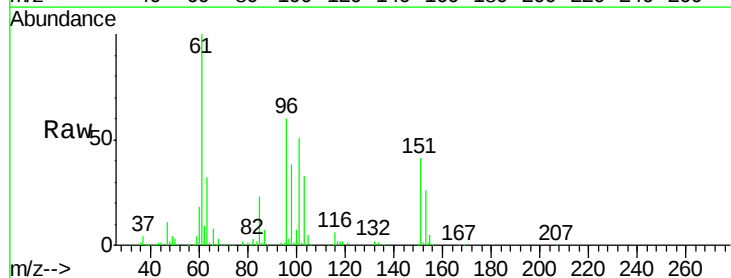
MMDadoda
 6/29/2018 4:23:51 PM



#12

1,1-Dichloroethene
 Concen: 50.14 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	141.7	212.5
98	63.0	51.6	77.4





#13

Acrolein

Concen: 96.21 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 40049

Ion Ratio Lower Upper

56 100

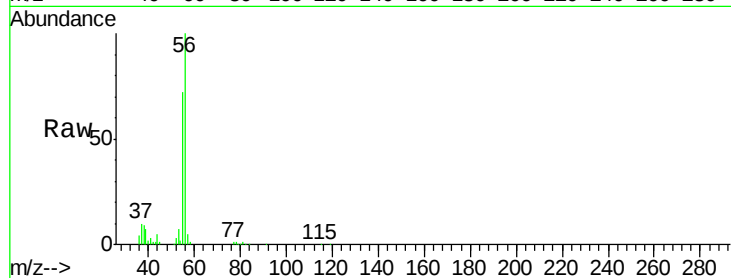
55 70.9 58.4 87.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

25000

20000

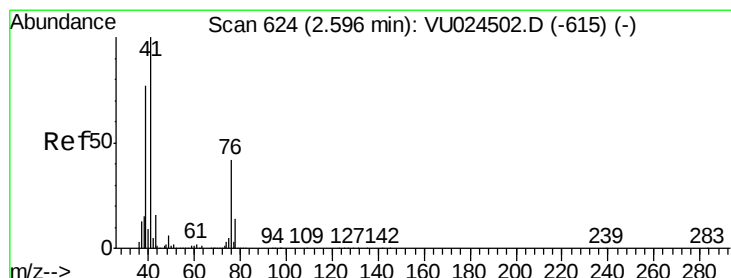
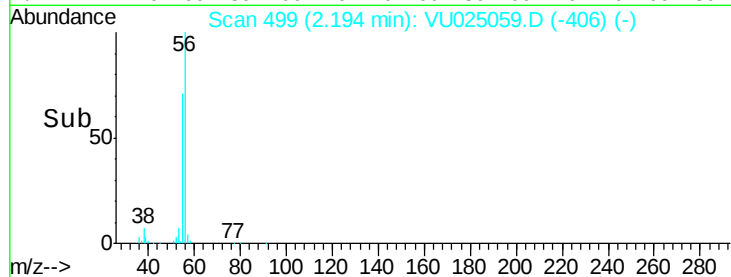
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 44.42 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

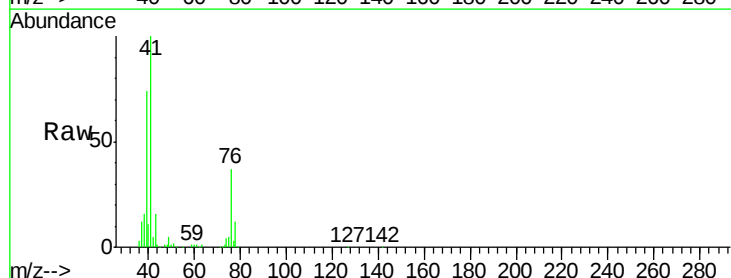
Tgt Ion: 41 Resp: 187469

Ion Ratio Lower Upper

41 100

39 74.0 61.6 92.4

76 36.4 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

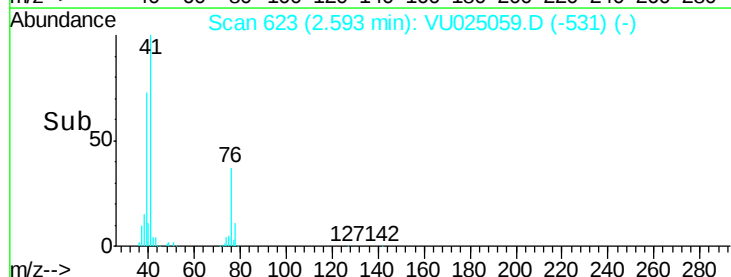
2.59

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 252.81 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

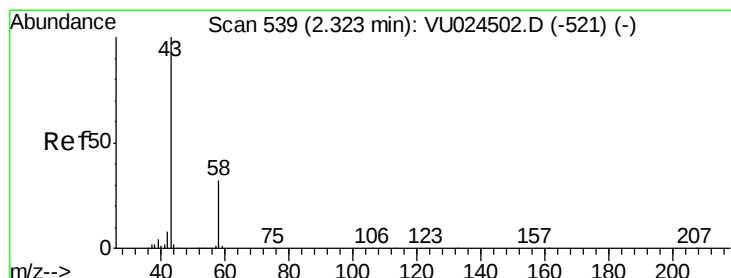
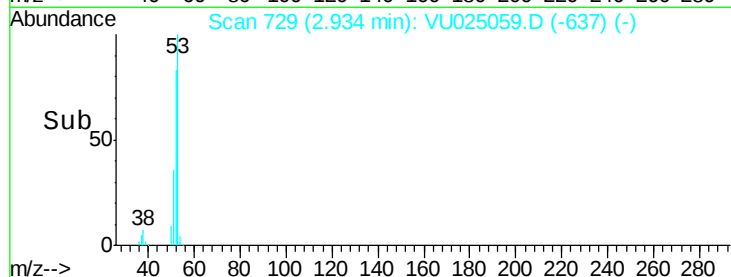
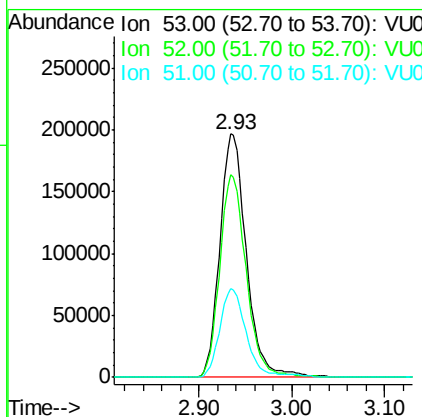
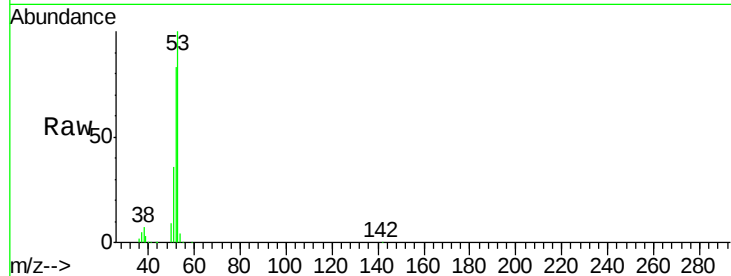
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	389900
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.1	100.7
51	36.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 206.77 ug/l

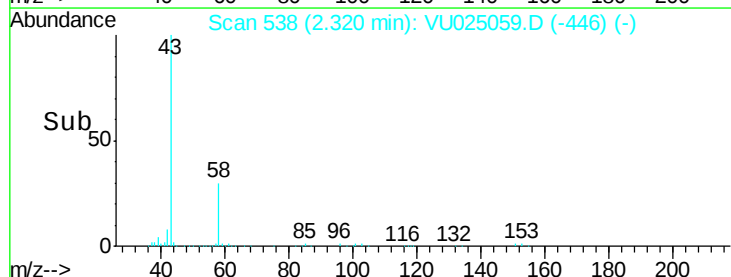
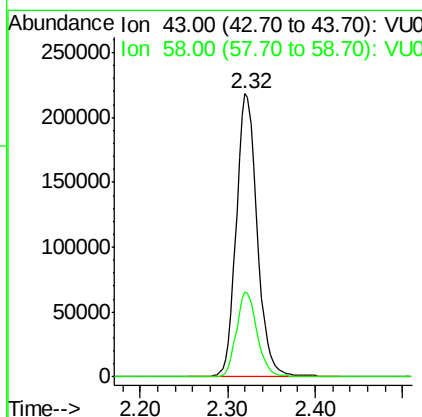
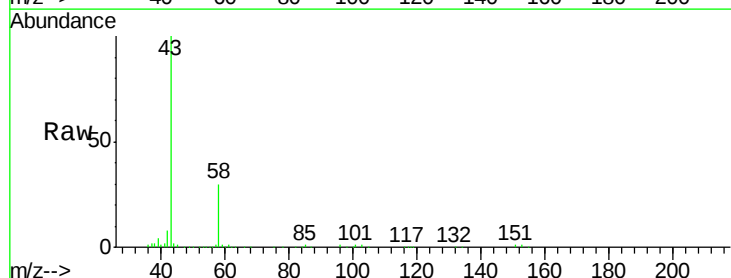
RT: 2.32 min Scan# 538

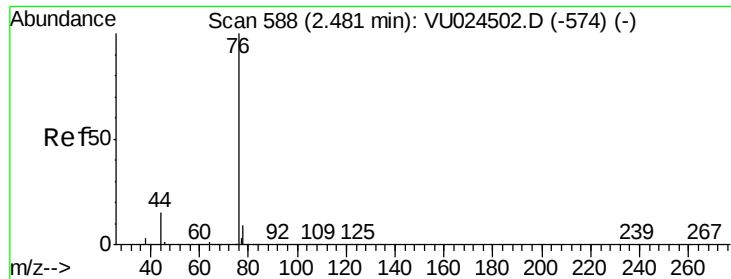
Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	43	Resp:	362087
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6





#17

Carbon Disulfide

Concen: 43.65 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 317759

Ion Ratio Lower Upper

76 100

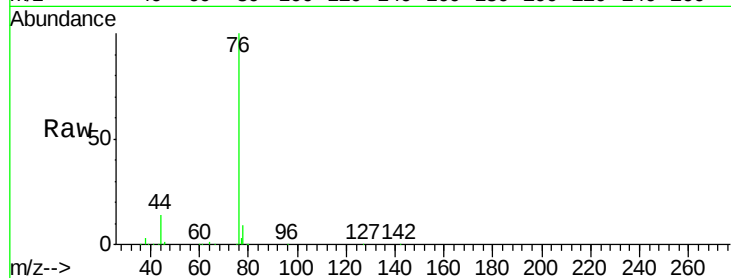
78 9.5 7.1 10.7

Manual Integrations

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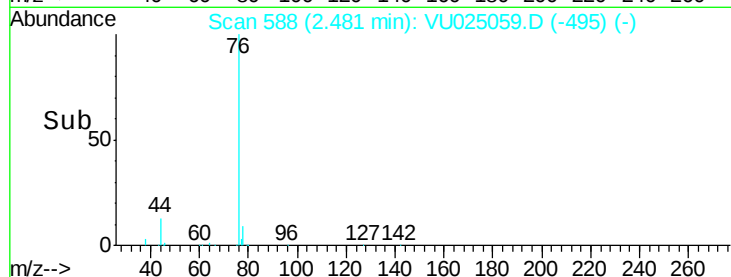
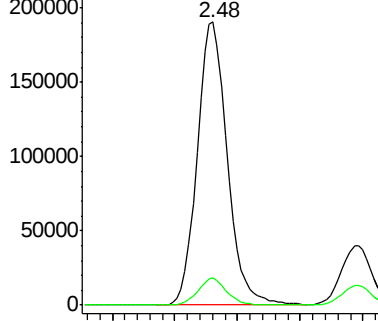
MMDadoda

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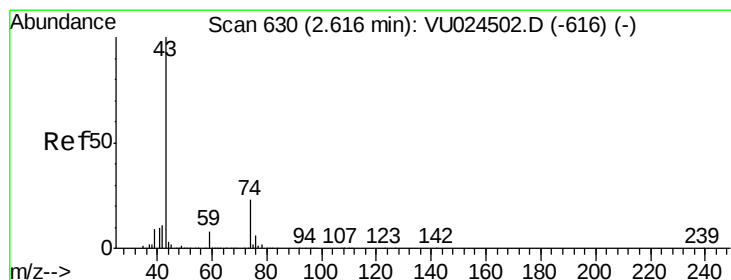


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 62.14 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025059.D

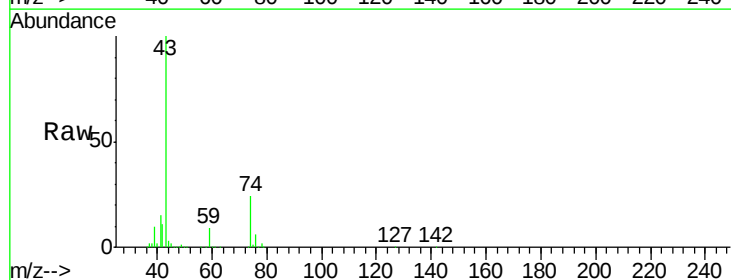
Acq: 29 Jun 2018 07:37

Tgt Ion: 43 Resp: 233296

Ion Ratio Lower Upper

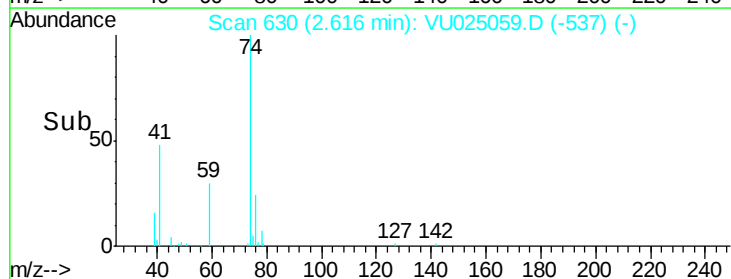
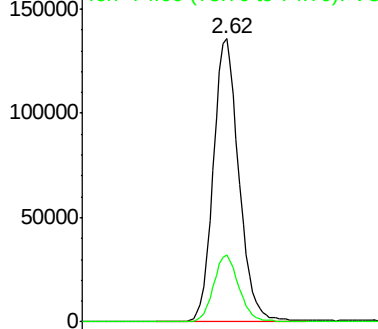
43 100

74 23.6 18.0 27.0

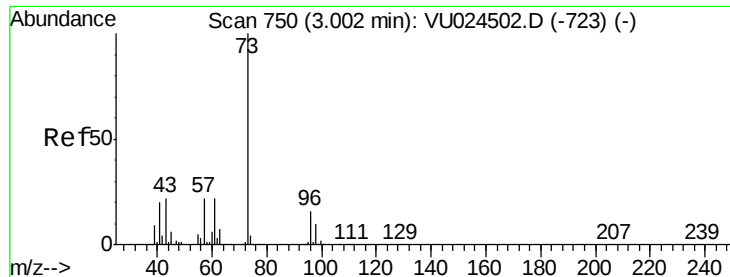


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->



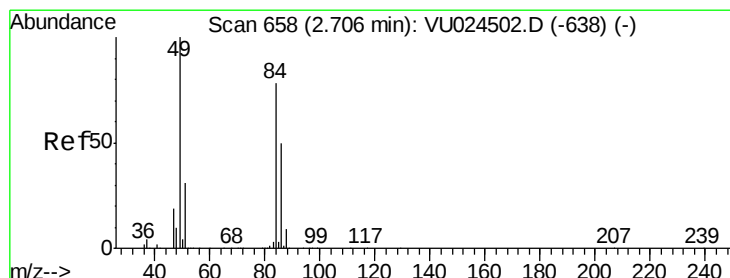
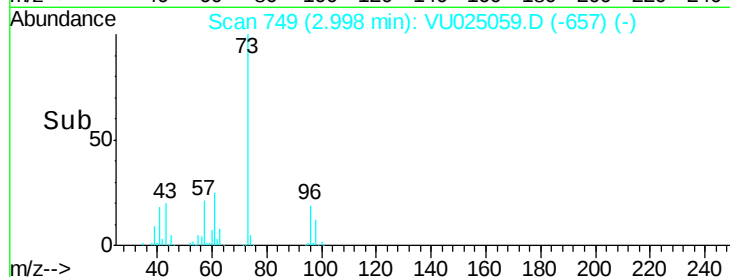
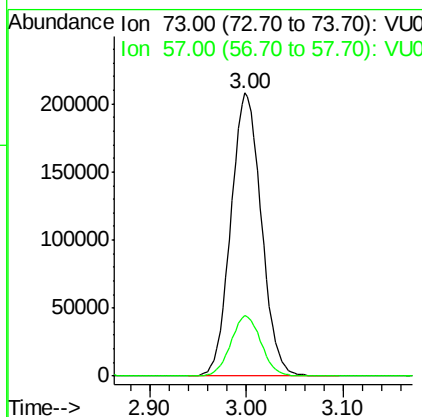
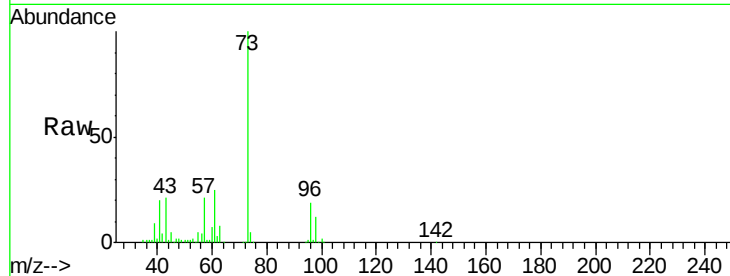
#19
Methvl tert-butvl Ether
Concen: 53.23 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 454862
Ion Ratio Lower Upper
73 100
57 21.4 18.8 28.2

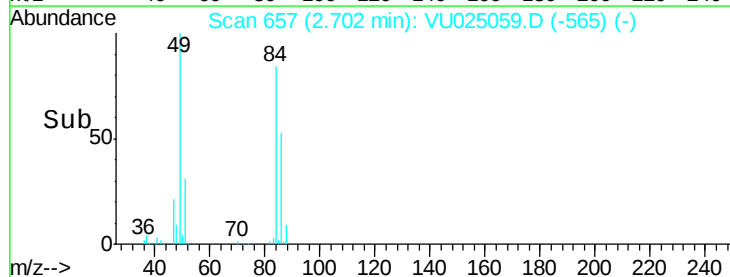
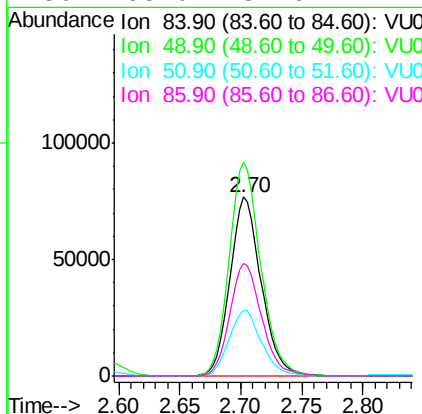
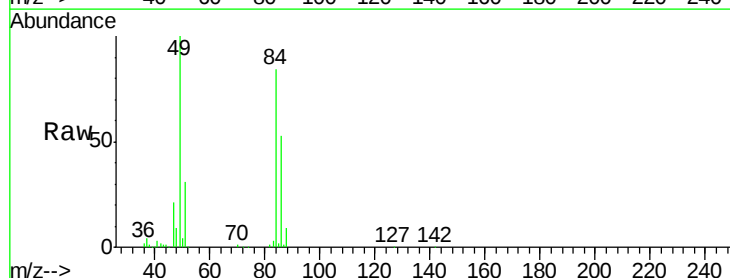
Manual Integrations
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#20
Methylene Chloride
Concen: 49.92 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion: 84 Resp: 137163
Ion Ratio Lower Upper
84 100
49 119.6 103.8 155.8
51 36.9 32.0 48.0
86 63.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 50.17 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

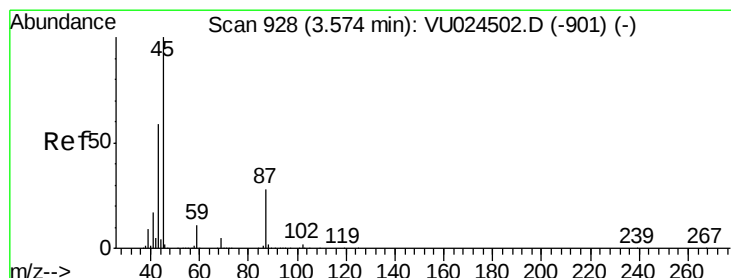
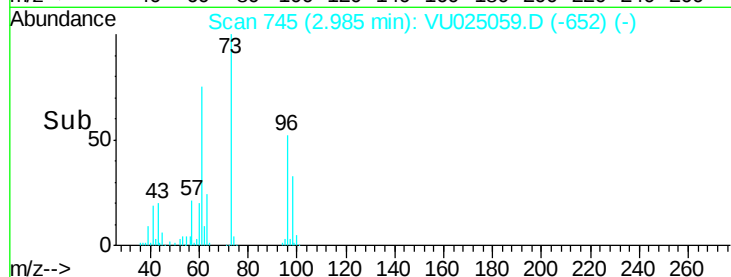
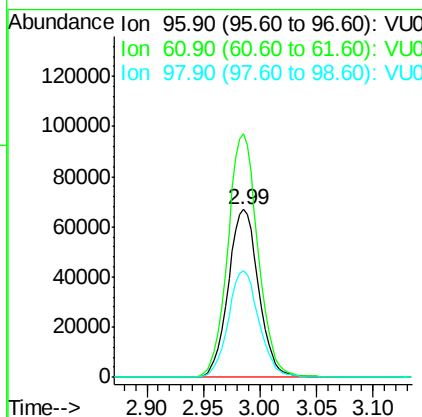
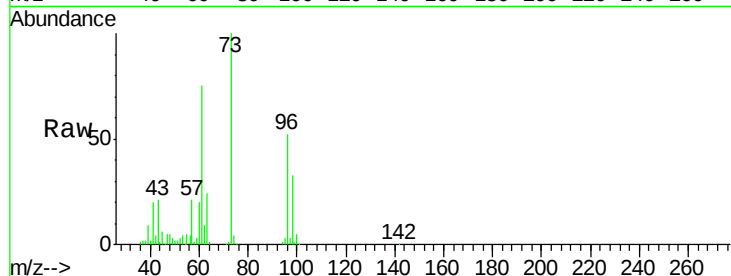
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	125608
Ion	Ratio	Lower	Upper
96	100		
61	145.1	119.4	179.0
98	63.5	51.1	76.7

Manual Integrations
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6/29/2018 4:23:51 PM



#22

Diisopropyl ether

Concen: 50.84 ug/l

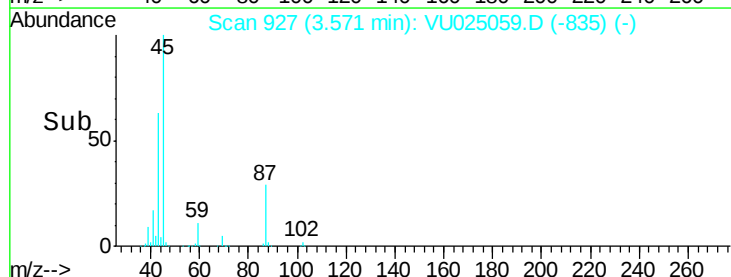
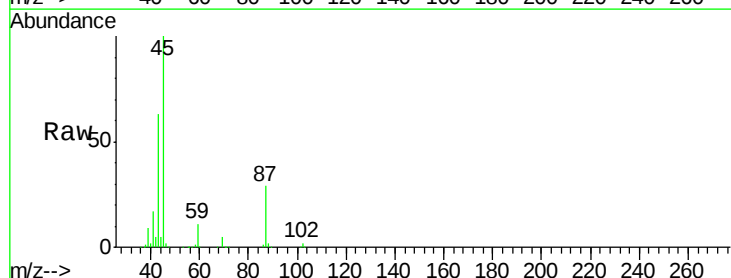
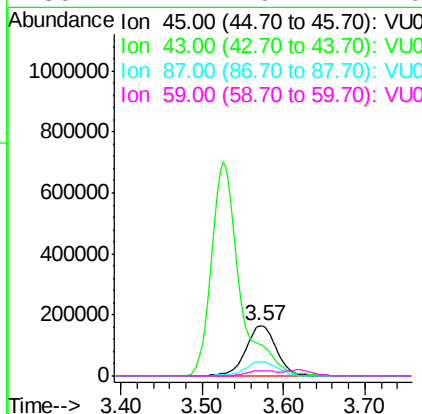
RT: 3.57 min Scan# 927

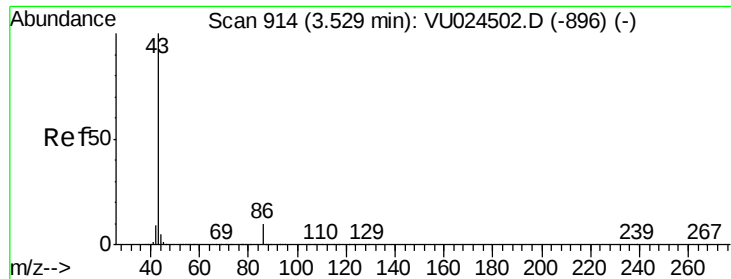
Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	45	Resp:	425416
Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.8	68.6
87	29.0	20.6	31.0
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 229.58 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1720765

Ion Ratio Lower Upper

43 100

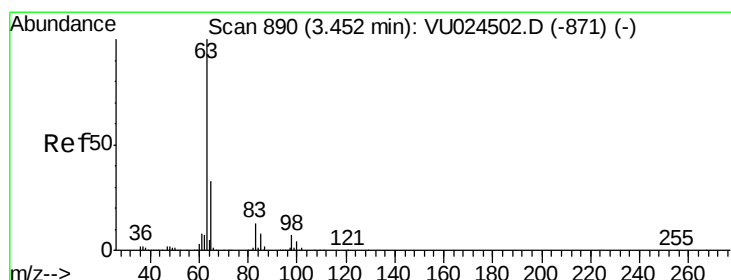
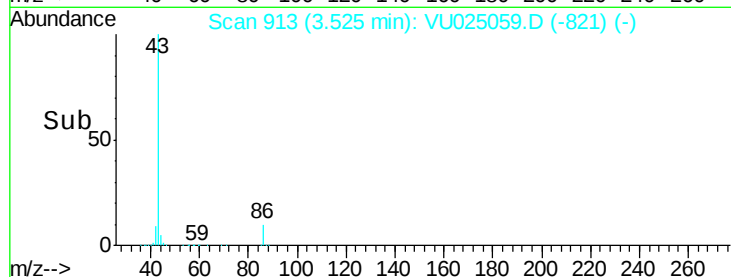
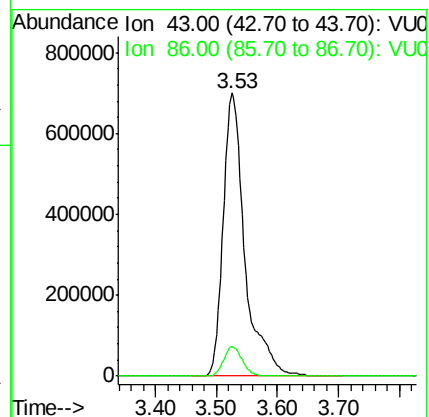
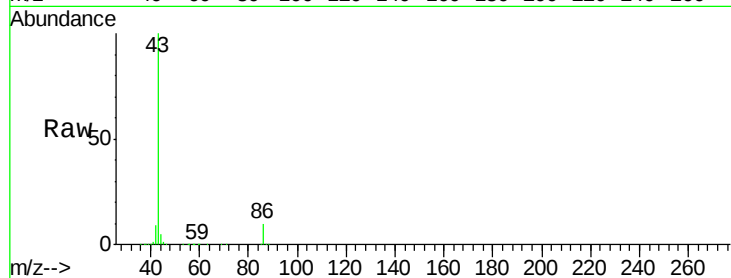
86 10.4 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.82 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

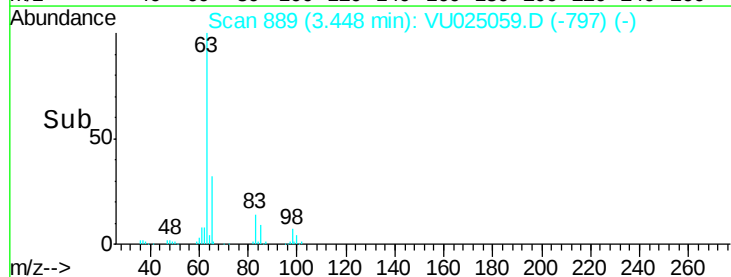
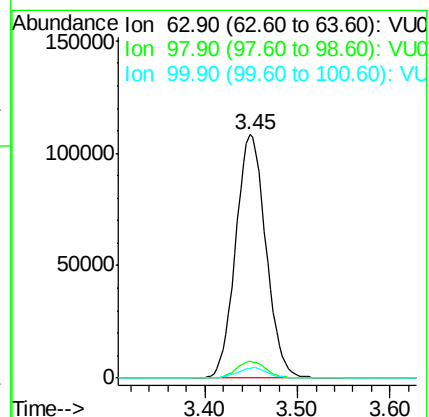
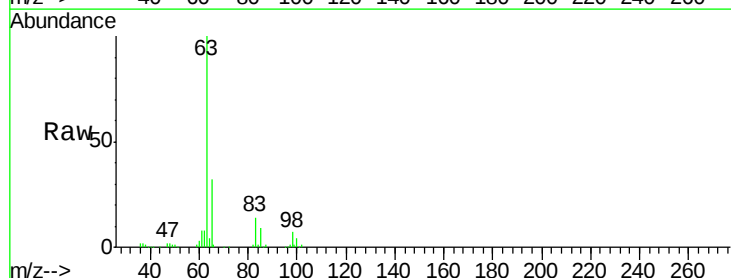
Tgt Ion: 63 Resp: 244626

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 236.76 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tot Ion: 43 Resp: 556913

Ion Ratio Lower Upper

43 100

72 26.9 19.6 29.4

Instrument :

MSVOA_U

ClientSampleId :

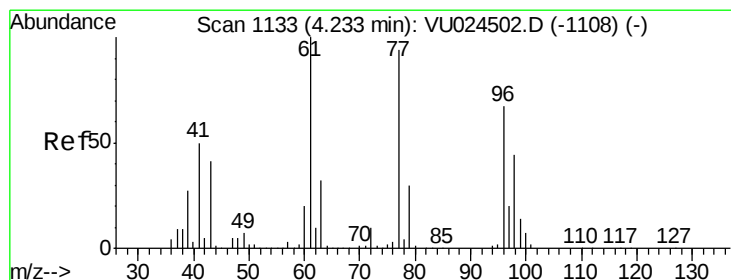
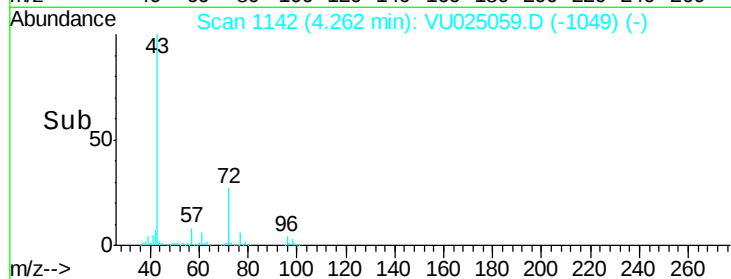
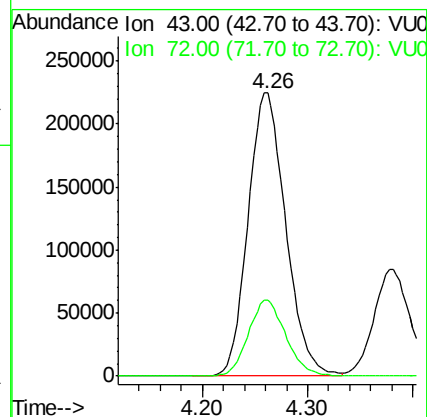
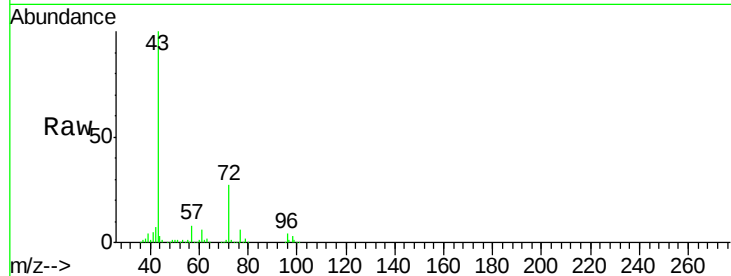
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:51 PM



#26

2,2-Dichloropropane

Concen: 30.69 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025059.D

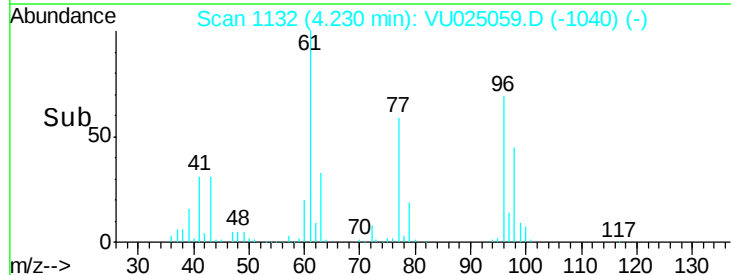
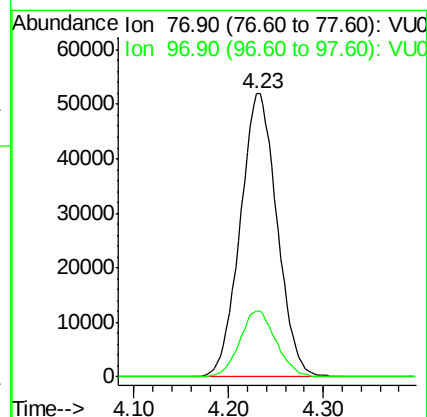
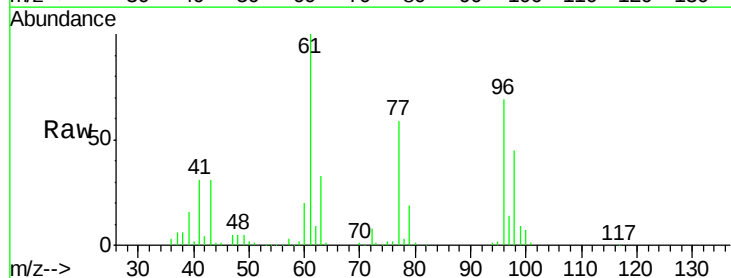
Acq: 29 Jun 2018 07:37

Tgt Ion: 77 Resp: 140268

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 51.66 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

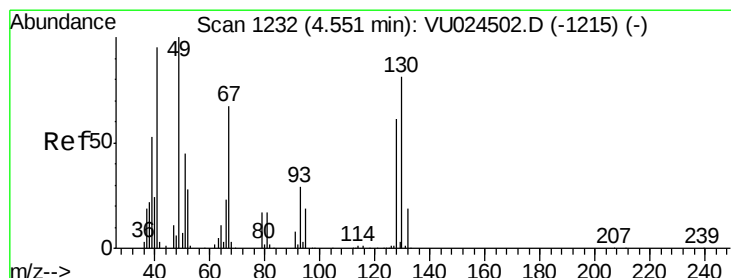
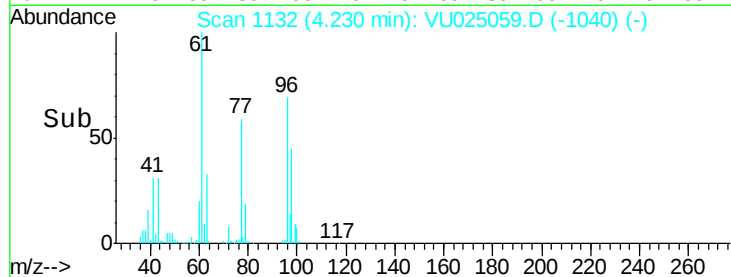
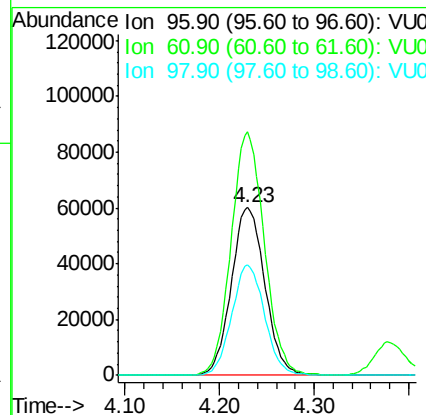
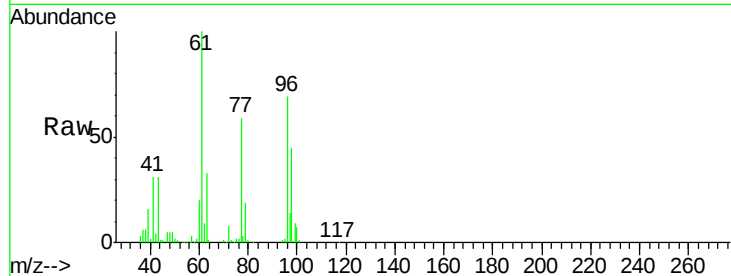
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	148688
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	306.6
98	64.1	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.19 ug/l

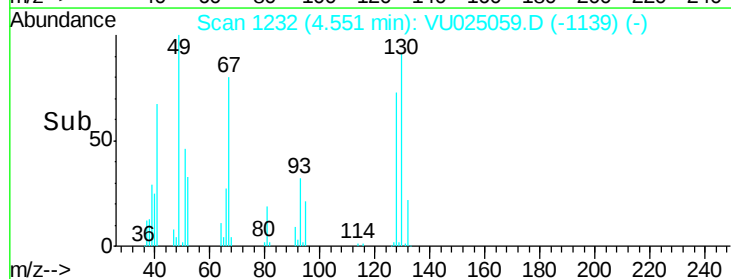
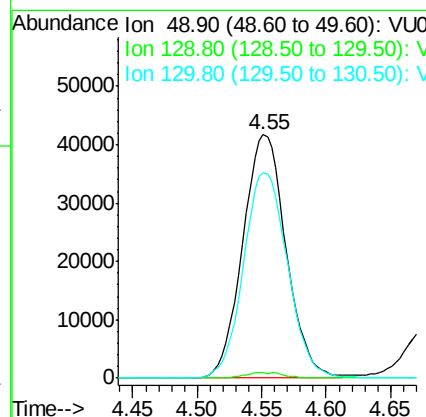
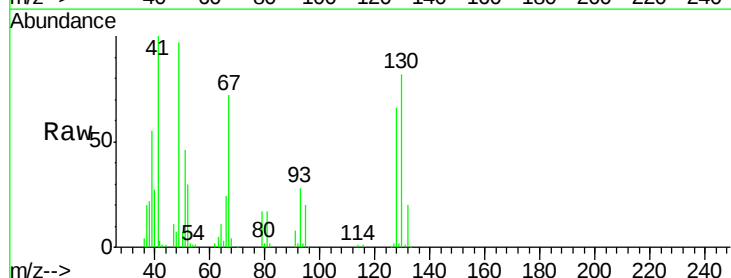
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	49	Resp:	97936
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	85.8	57.8	86.6





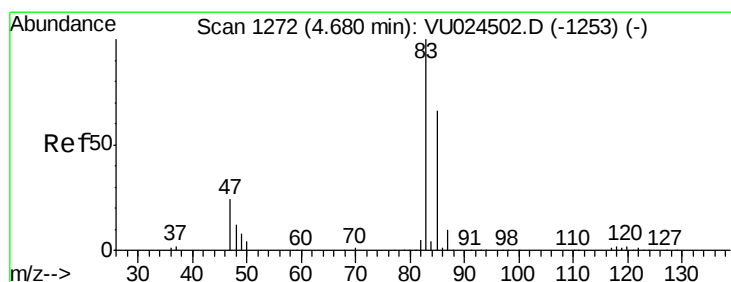
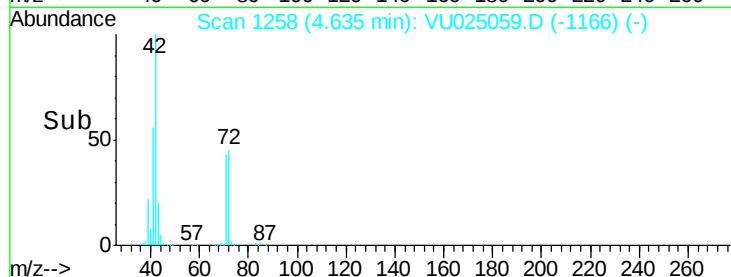
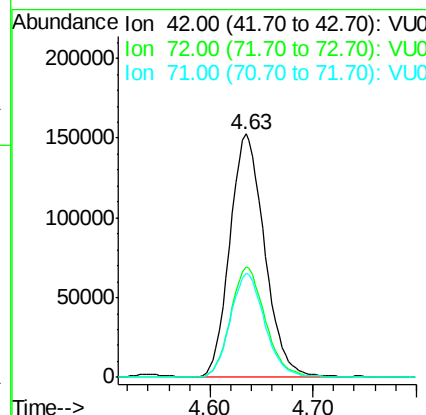
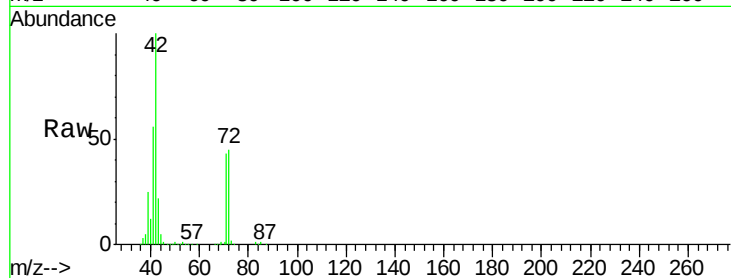
#29
Tetrahydrofuran
Concen: 244.88 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.5	51.7
71	42.6	32.2	48.4

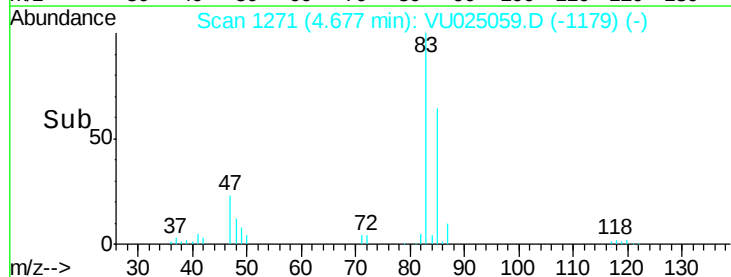
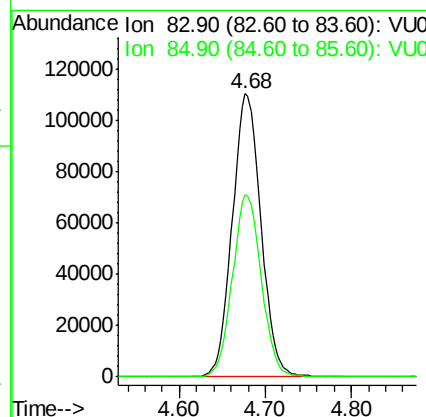
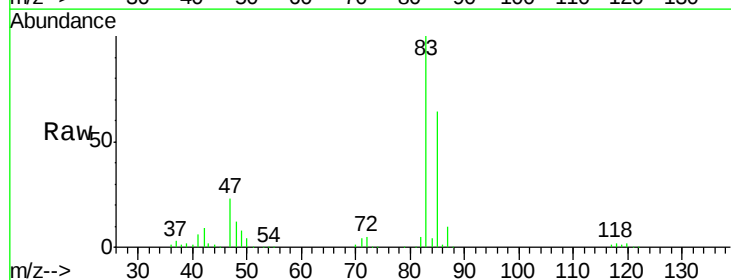
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#30
Chloroform
Concen: 52.50 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6





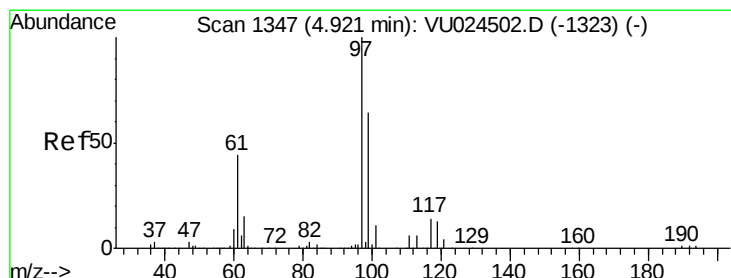
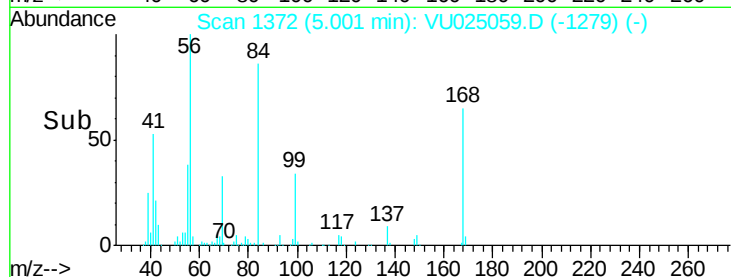
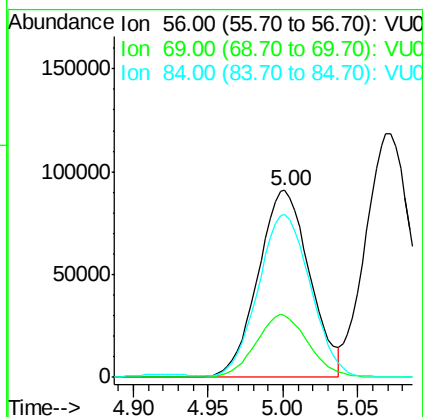
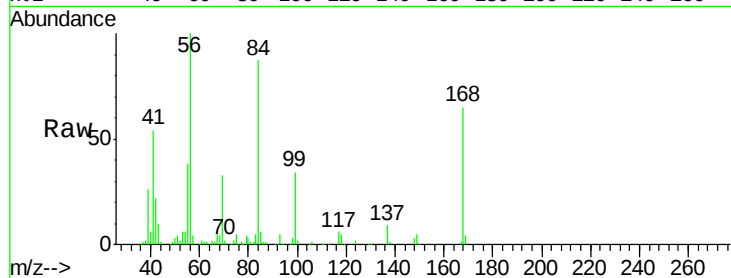
#31
Cyclohexane
Concen: 51.06 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.8	37.2
84	85.9	65.2	97.8

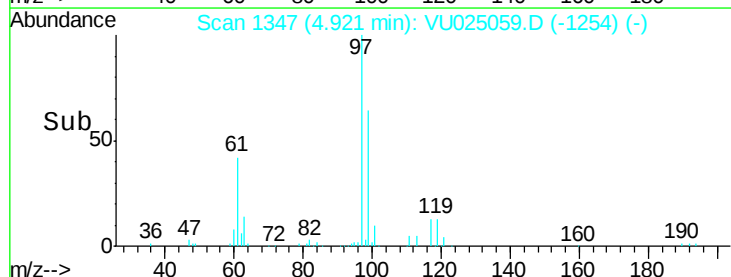
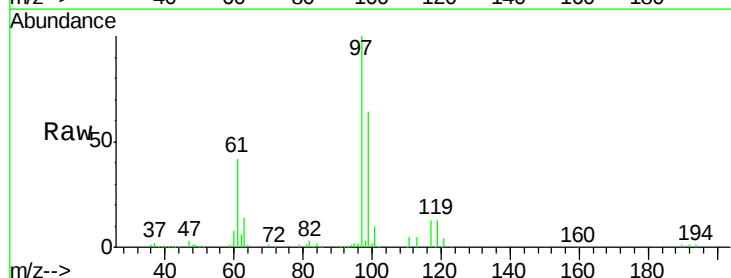
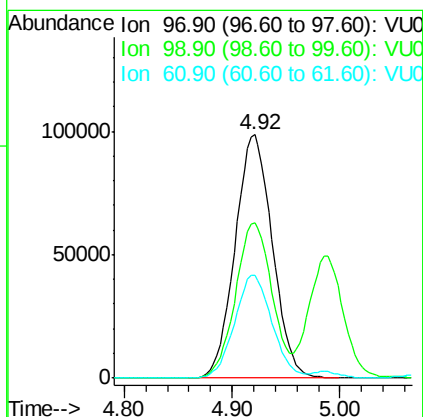
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#32
1,1,1-Trichloroethane
Concen: 52.62 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.0	76.6
61	42.5	39.4	59.0





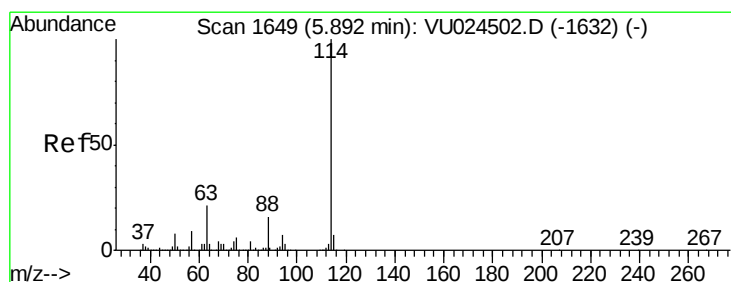
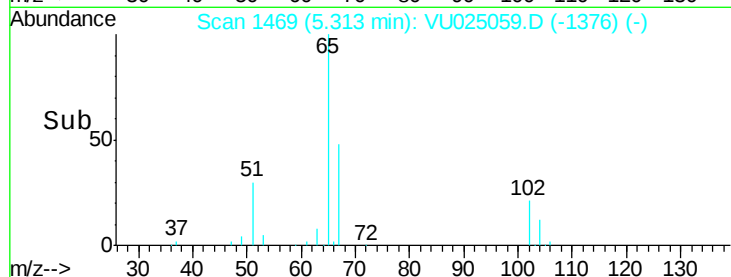
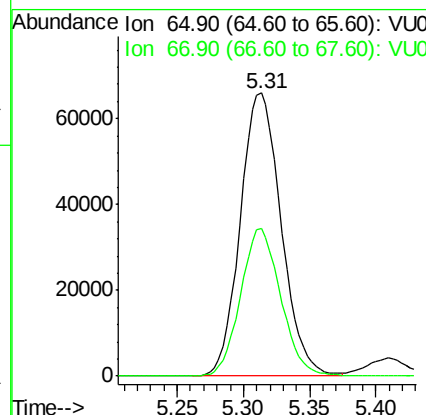
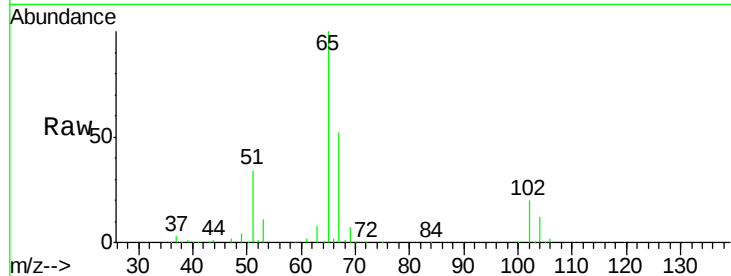
#33
 1,2-Dichloroethane-d4
 Concen: 43.49 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	107.0

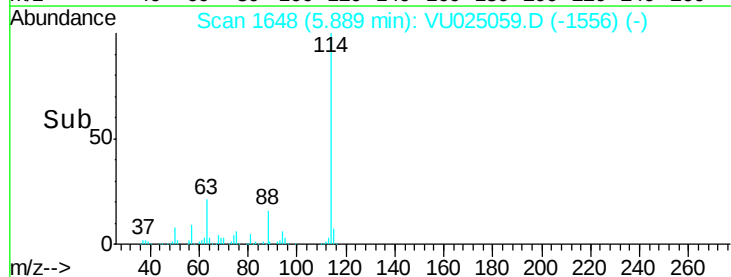
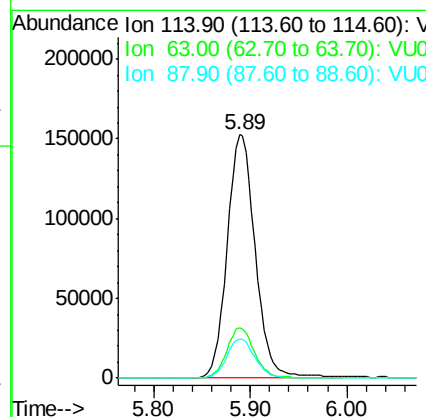
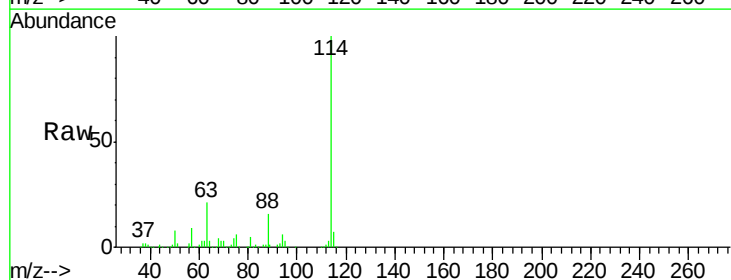
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	16.1	0.0	31.0





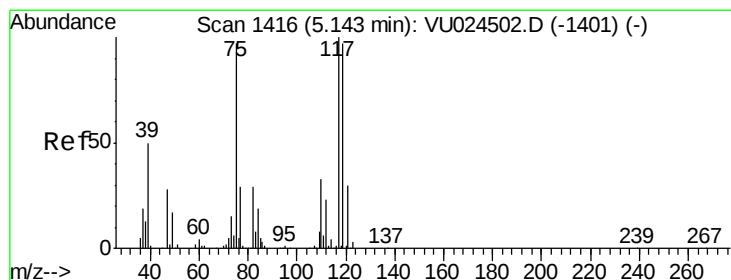
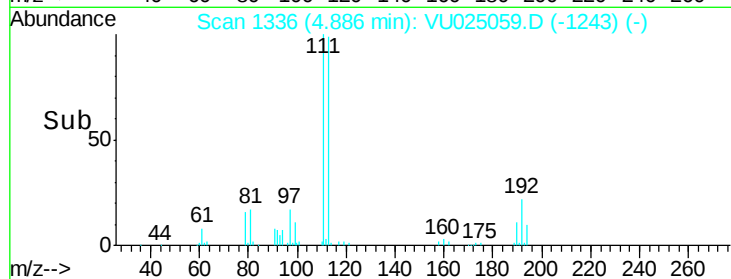
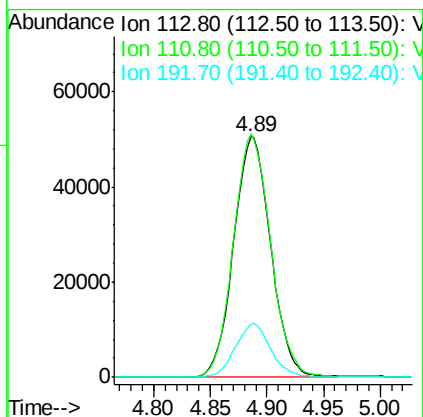
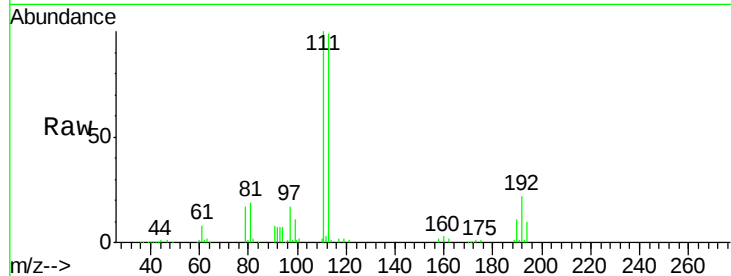
#35
 Dibromofluoromethane
 Concen: 45.08 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	21.4	16.2	24.4

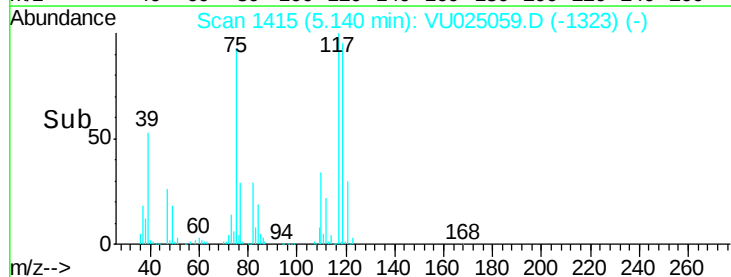
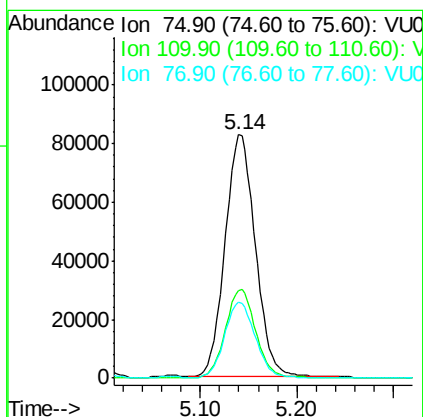
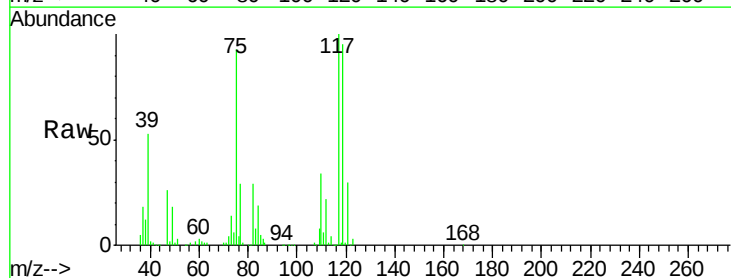
Manual Integrations
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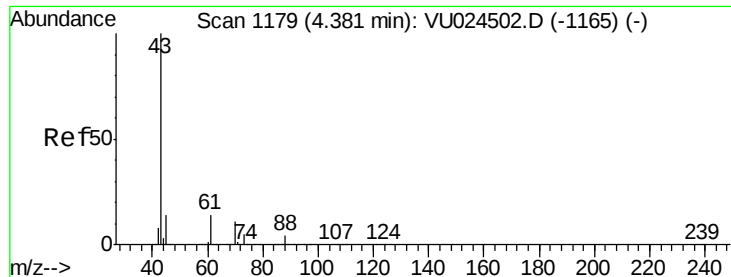
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#36
 1,1-Dichloropropene
 Concen: 49.75 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	17.0	50.9
77	30.9	24.2	36.4





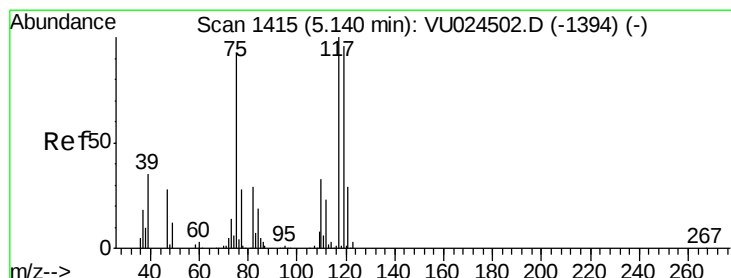
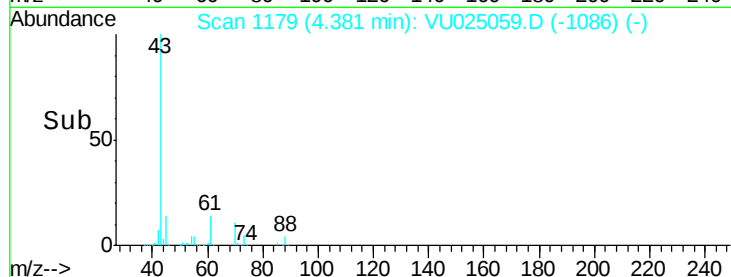
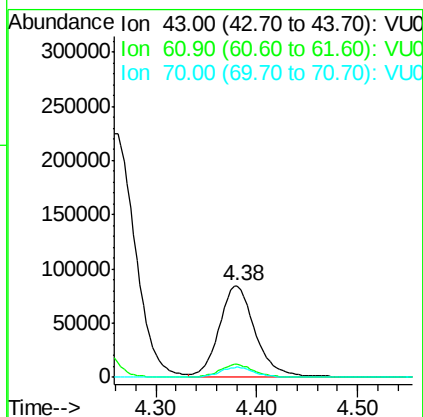
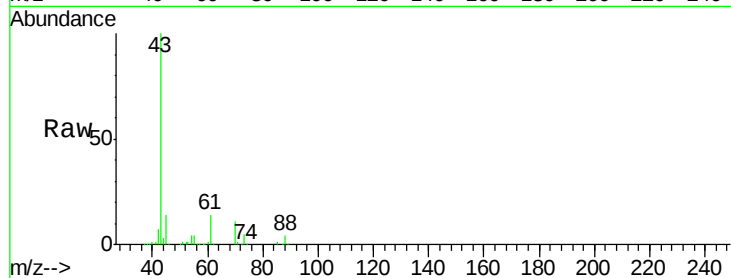
#37
Ethyl Acetate
Concen: 52.42 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.9	7.4	11.2

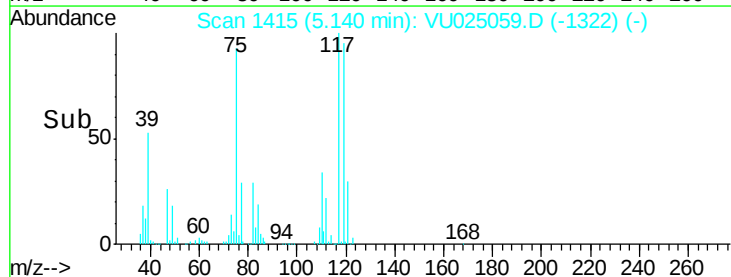
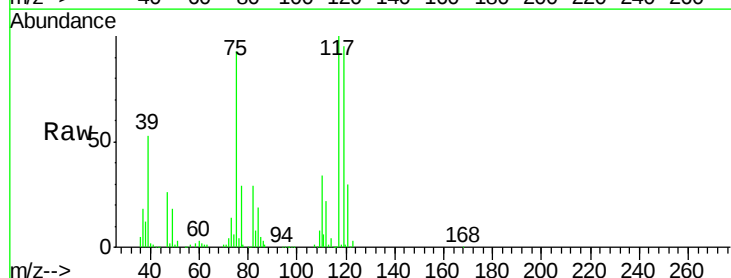
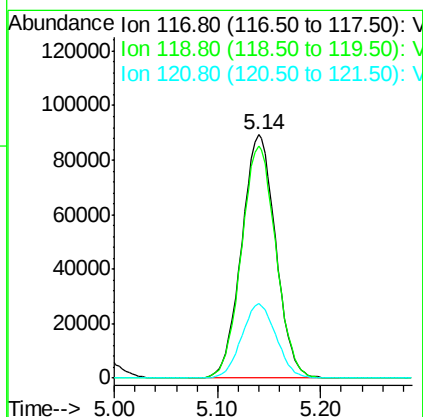
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 51.52 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.1	114.1
121	30.5	23.7	35.5





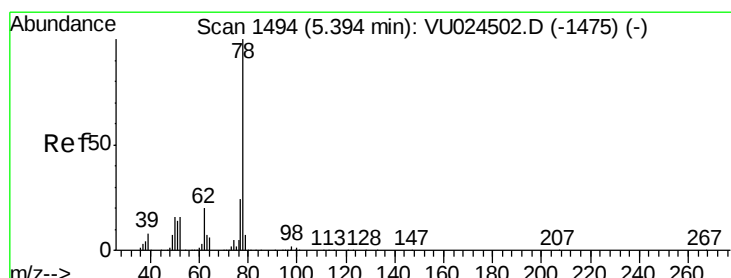
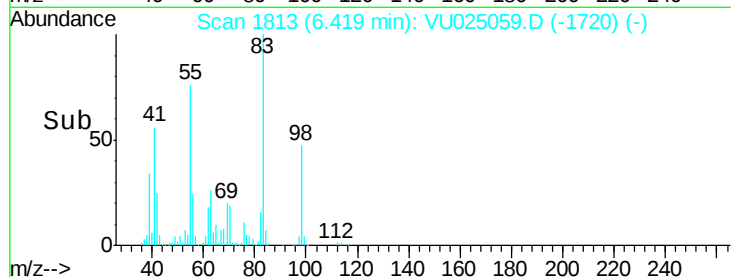
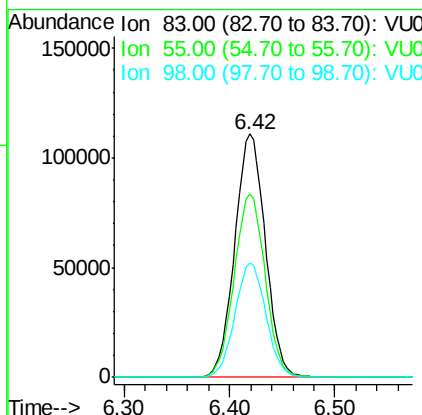
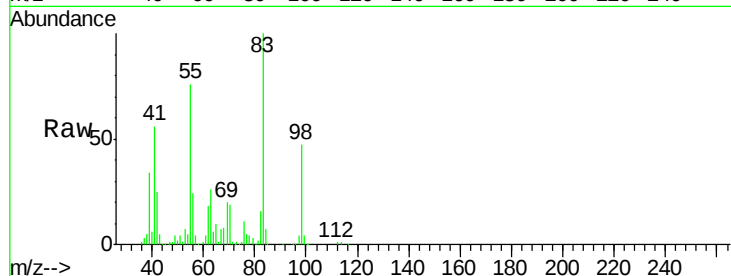
#39
Methvlcvclohexane
Concen: 49.55 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	65.8	98.6
98	47.0	36.7	55.1

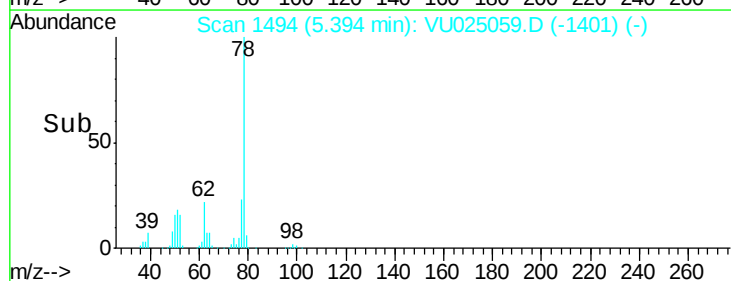
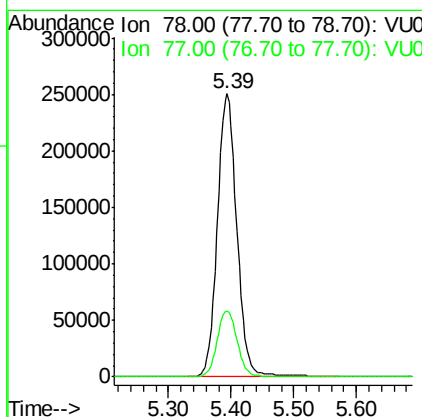
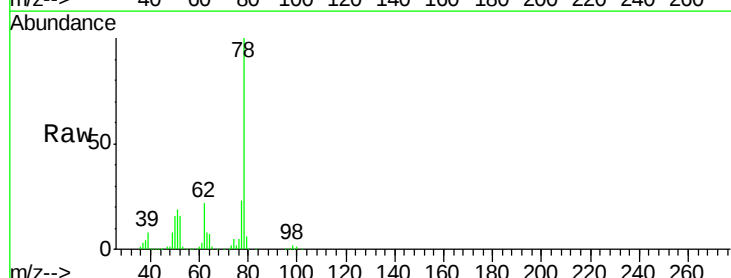
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#40
Benzene
Concen: 52.51 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





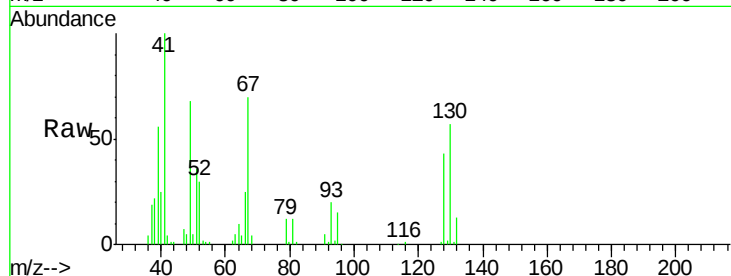
#41
Methacrylonitrile
Concen: 54.31 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

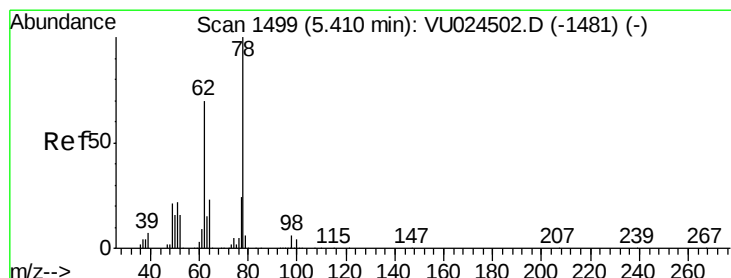
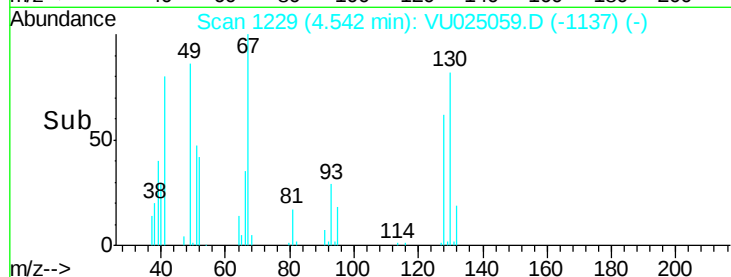
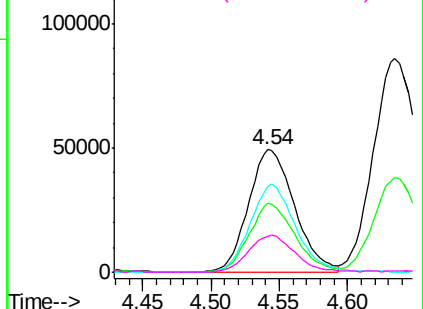
Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	43.8	65.6
67	71.3	56.3	84.5
52	30.7	23.2	34.8

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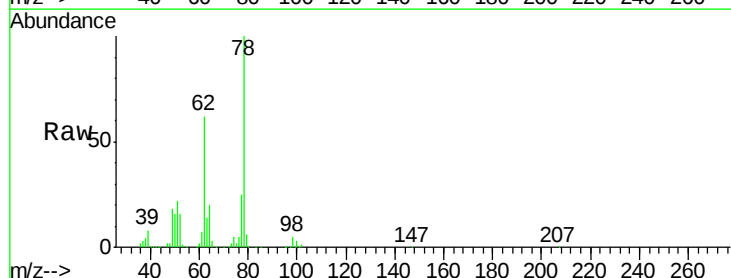


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

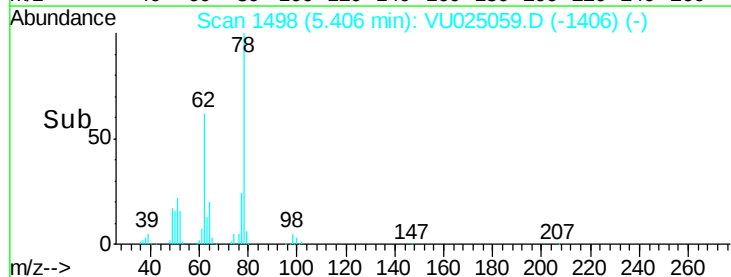
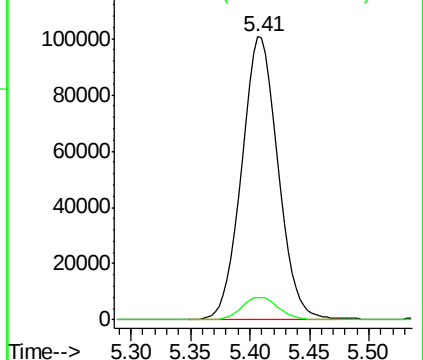


#42
1,2-Dichloroethane
Concen: 54.37 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

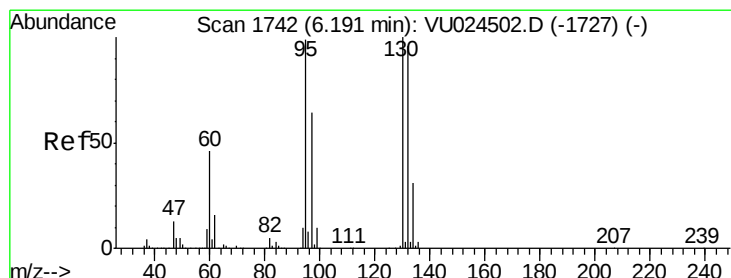
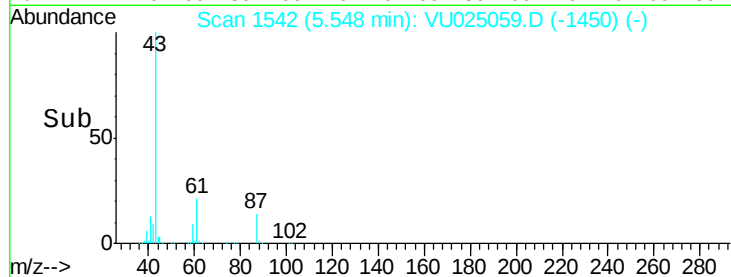
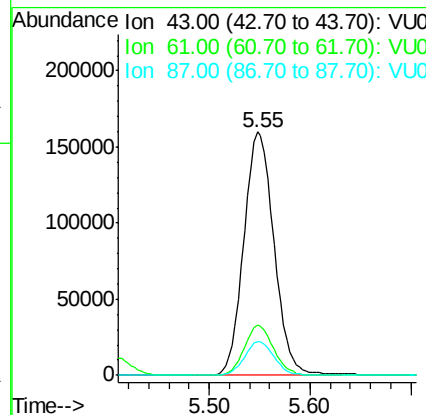
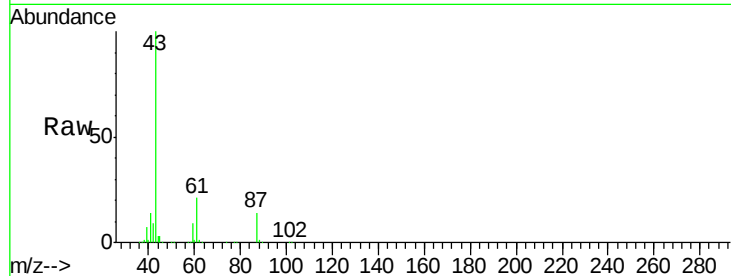
Isopropyl Acetate
 Concen: 48.39 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.7	10.0	15.0

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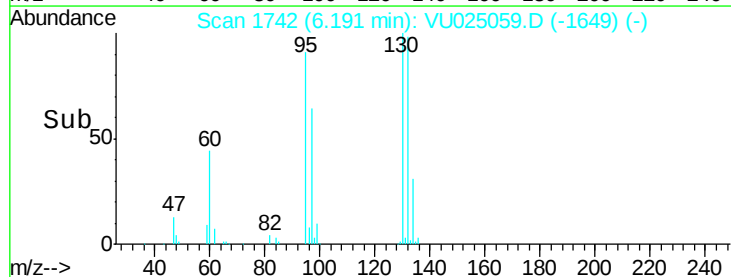
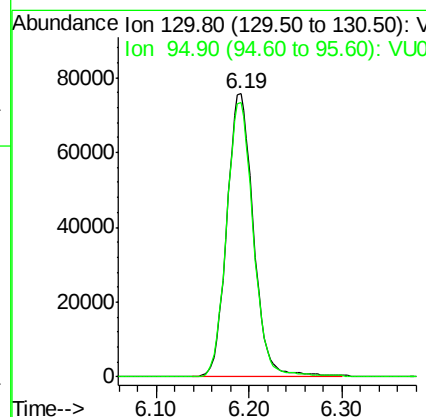
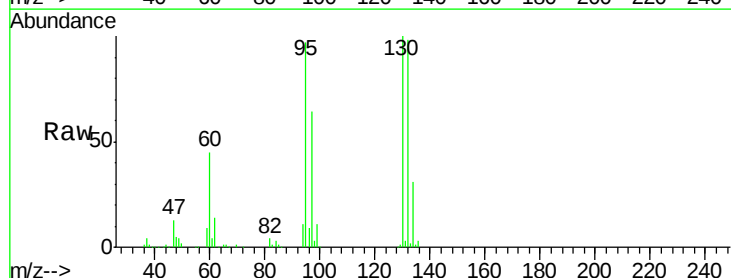
MMDadoda
 6/29/2018 4:23:51 PM

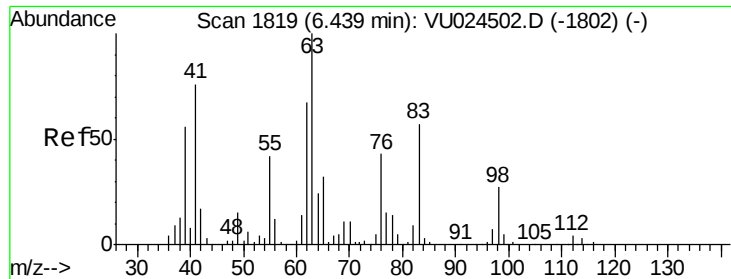


#44

Trichloroethene
 Concen: 51.24 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	202.4





#45

1,2-Dichloropropane

Concen: 51.27 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 141075

Ion Ratio Lower Upper

63 100

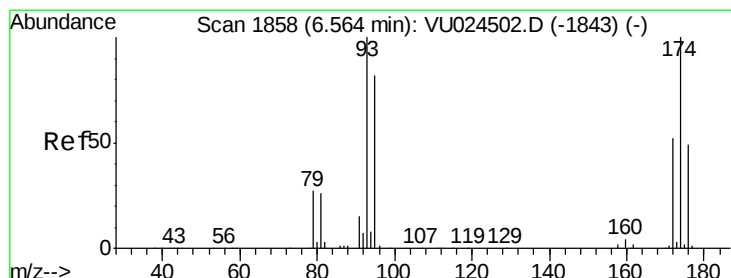
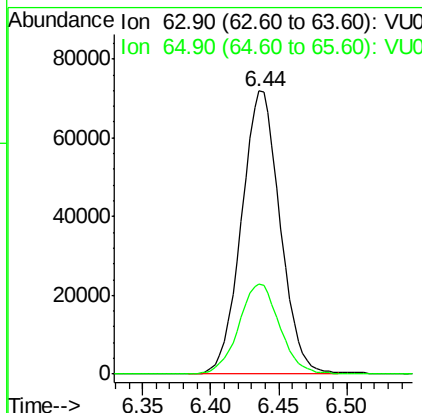
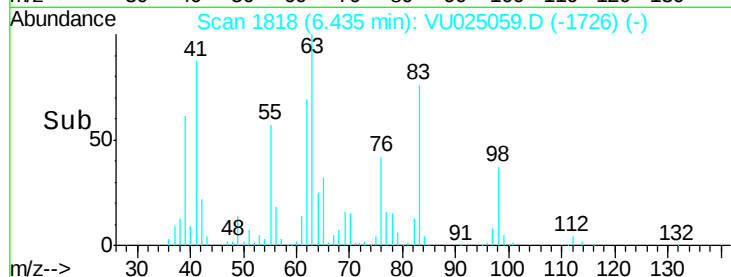
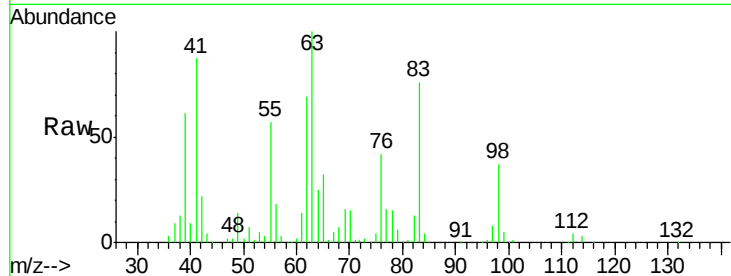
65 32.0 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 52.58 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

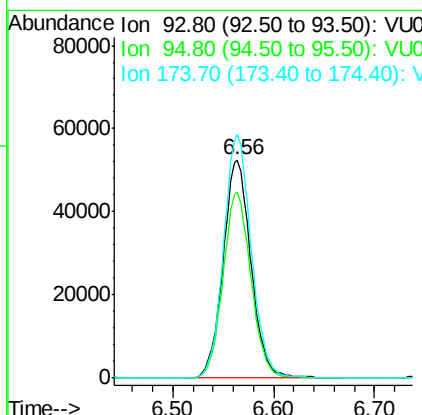
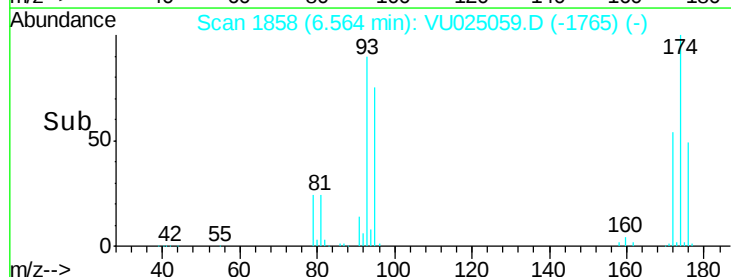
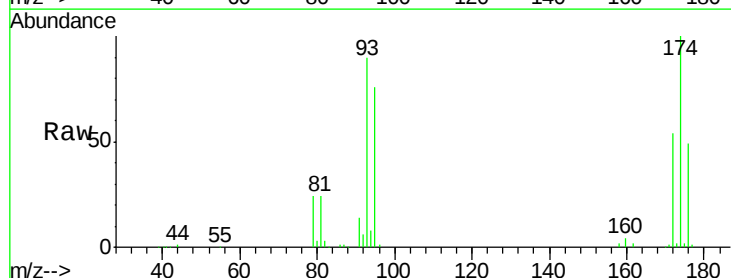
Tgt Ion: 93 Resp: 101625

Ion Ratio Lower Upper

93 100

95 84.9 65.5 98.3

174 110.5 78.7 118.1





#47

Bromodichloromethane

Concen: 50.66 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

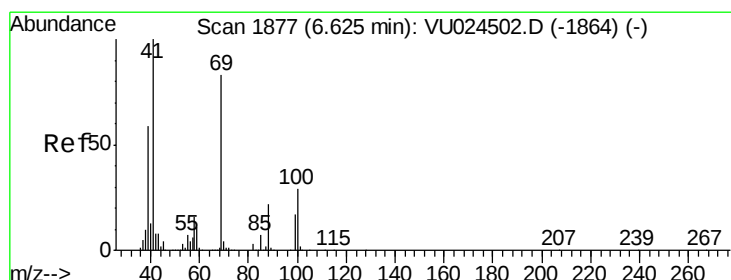
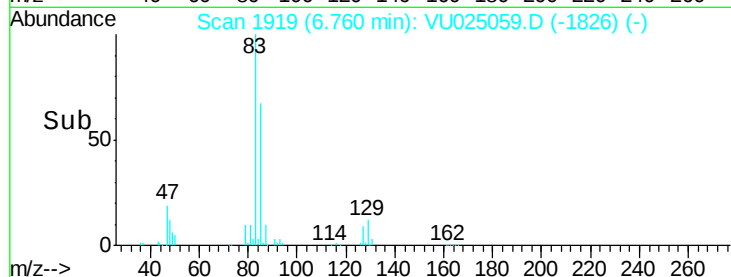
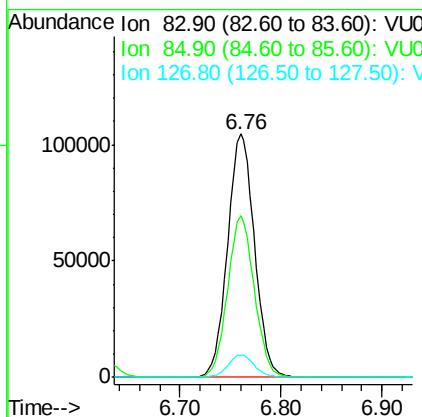
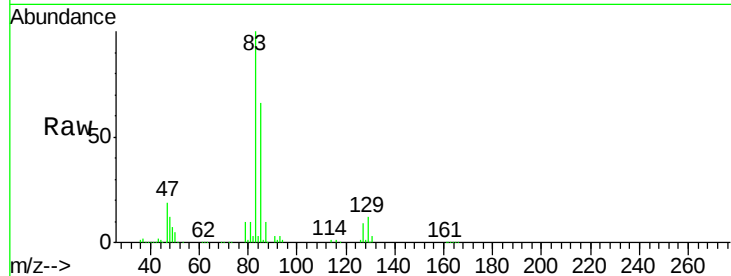
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	194947
Ion Ratio	Lower	Upper	
83	100		
85	66.3	51.9	77.9
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.66 ug/l

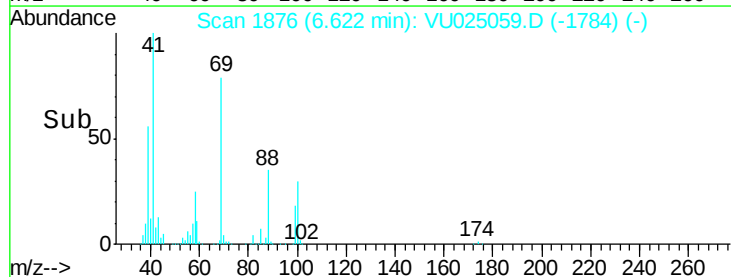
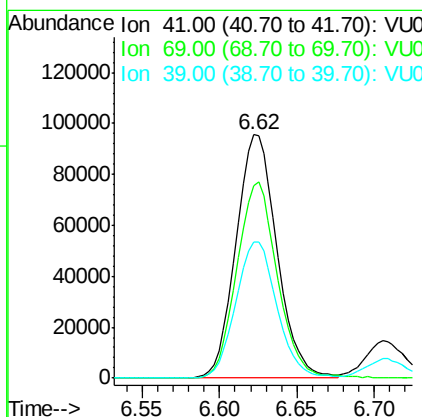
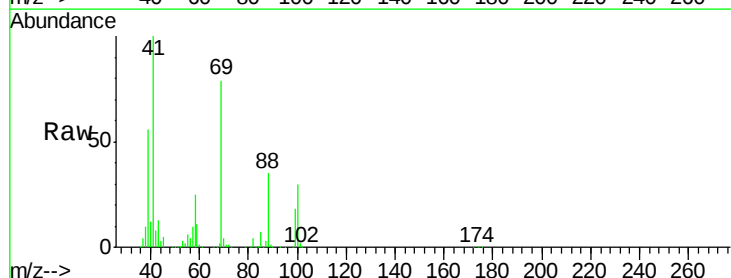
RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	41	Resp:	174820
Ion Ratio	Lower	Upper	
41	100		
69	80.6	67.3	100.9
39	56.2	46.5	69.7





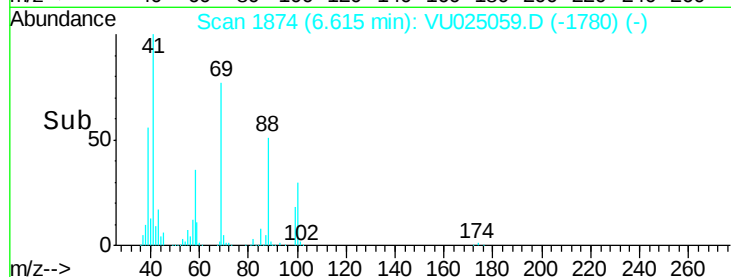
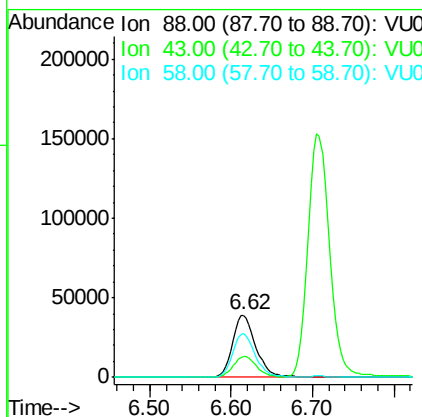
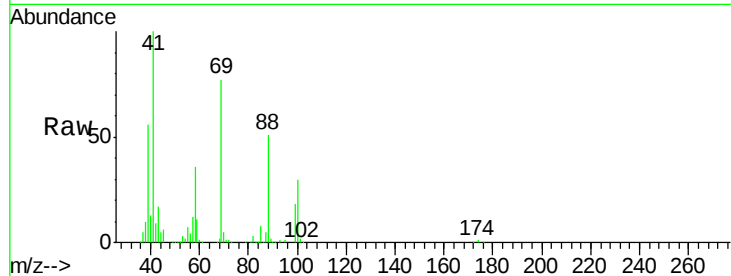
#49
 1,4-Dioxane
 Concen: 1218.09 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	28.6	42.8
58	67.6	58.2	87.4

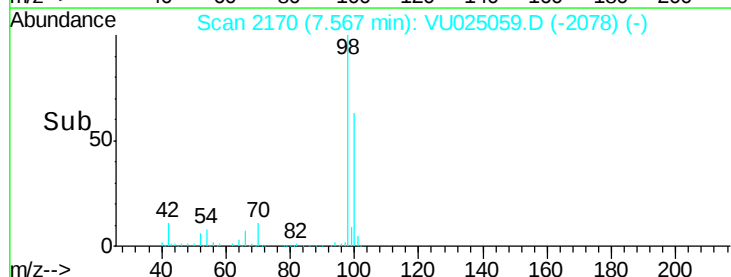
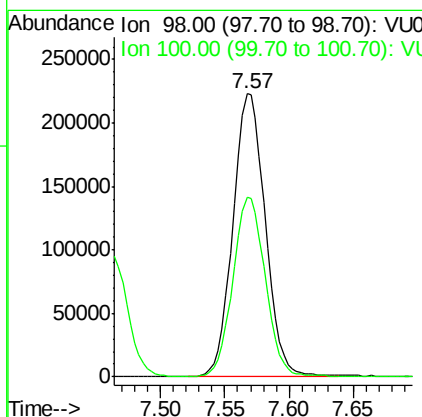
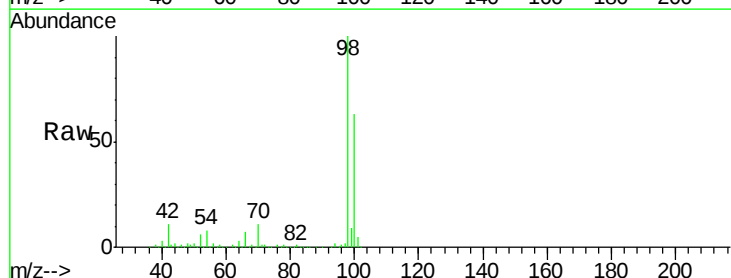
Manual Integrations
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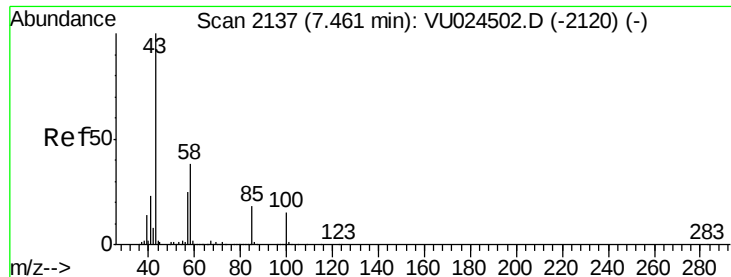
MMDadoda
 6/29/2018 4:23:51 PM



#50
 Toluene-d8
 Concen: 41.69 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 248.51 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1064479

Ion Ratio Lower Upper

43 100

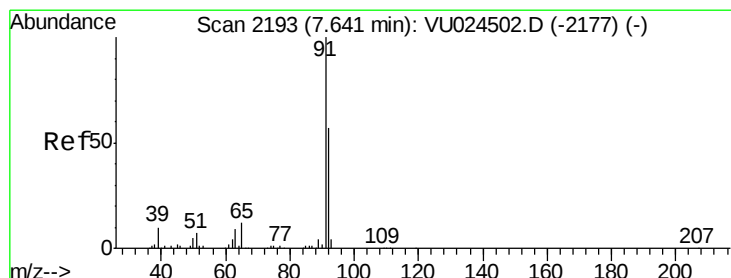
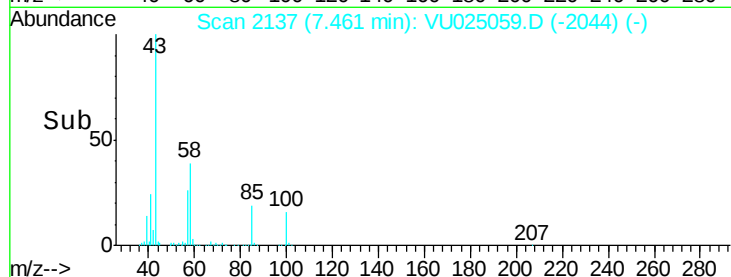
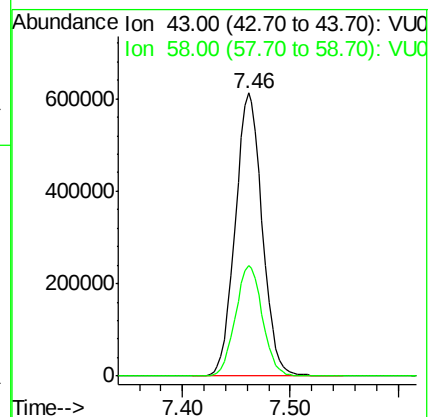
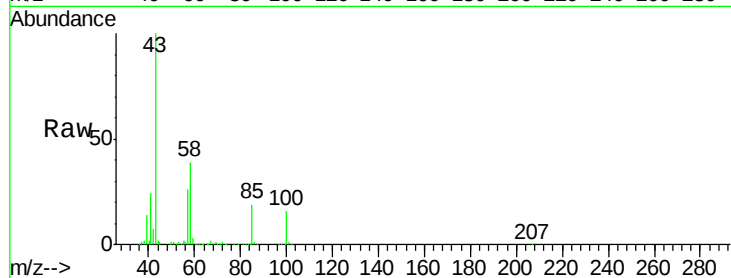
58 39.3 30.0 45.0

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#52

Toluene

Concen: 52.43 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025059.D

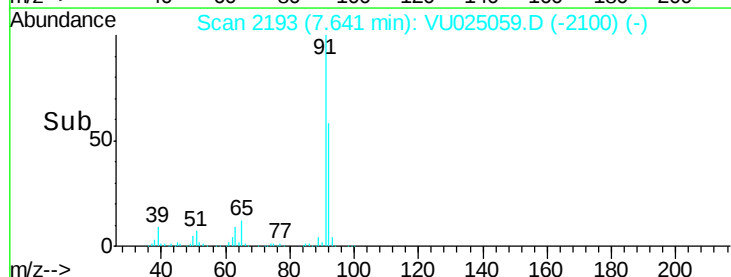
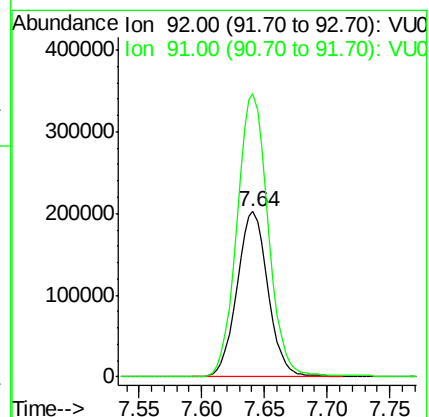
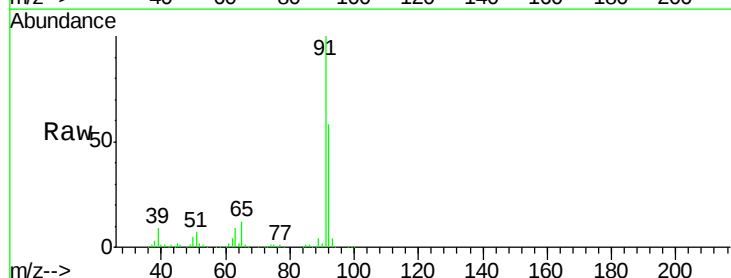
Acq: 29 Jun 2018 07:37

Tgt Ion: 92 Resp: 347841

Ion Ratio Lower Upper

92 100

91 172.7 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 46.17 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 75 Resp: 199555

Ion Ratio Lower Upper

75 100

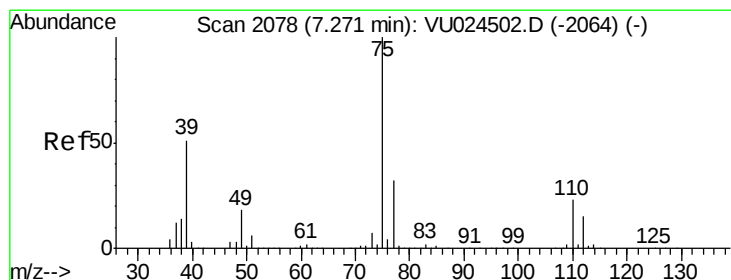
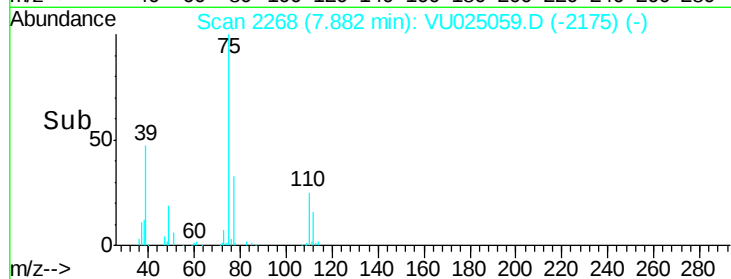
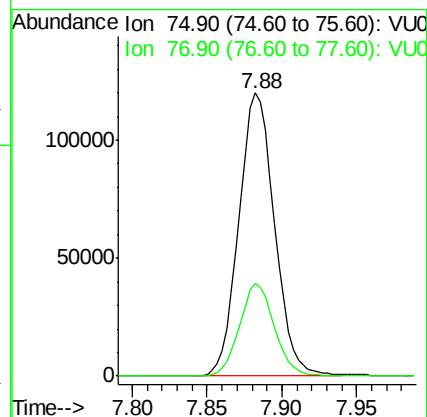
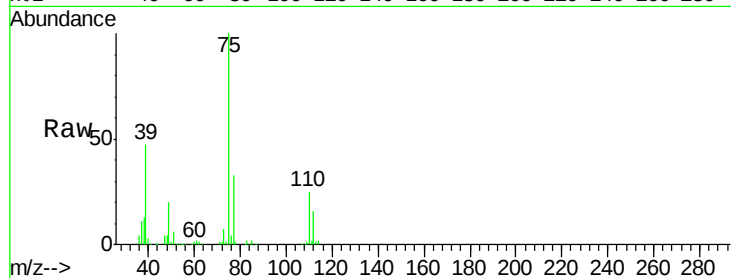
77 32.5 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.03 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

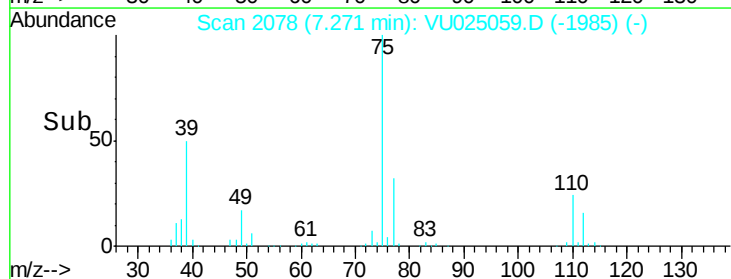
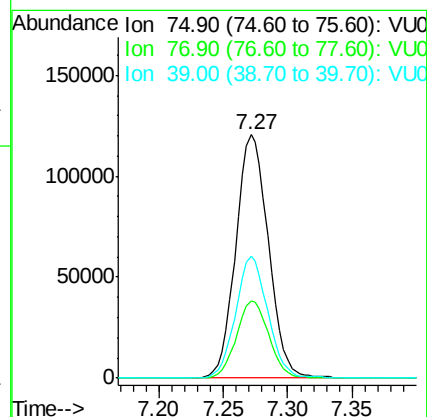
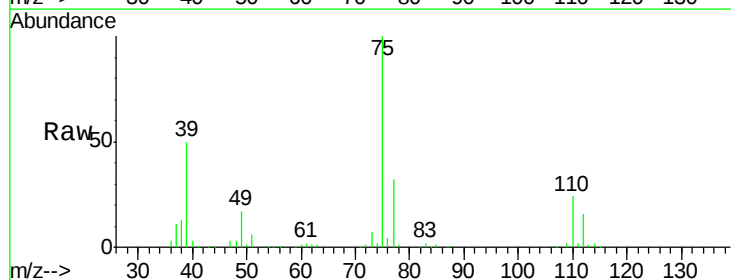
Tgt Ion: 75 Resp: 211959

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 49.8 39.8 59.6





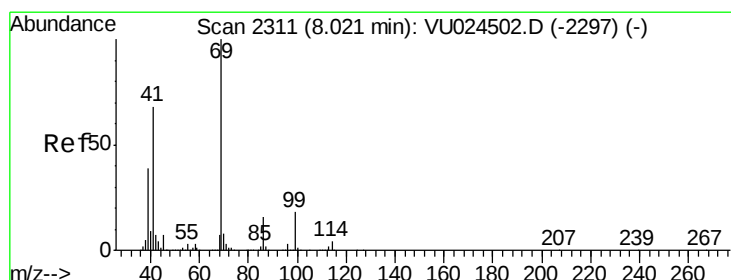
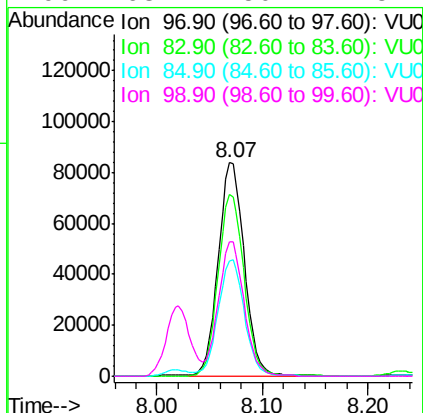
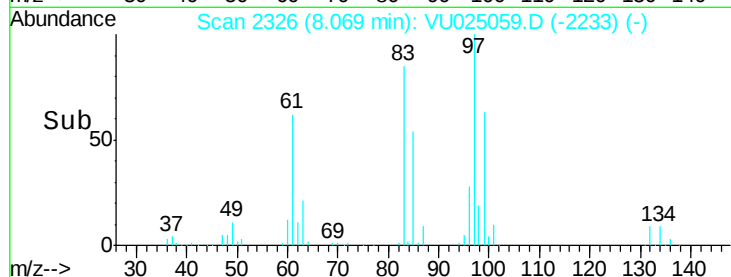
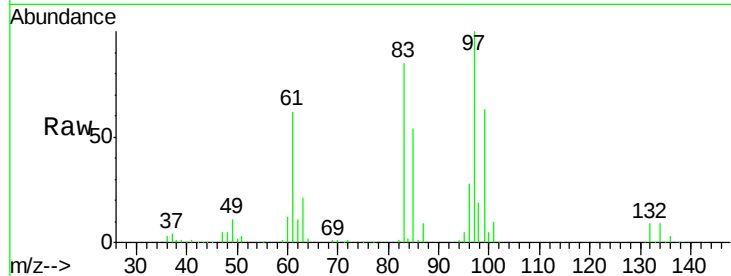
#55
 1,1,2-Trichloroethane
 Concen: 53.21 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.9	70.5	105.7	
85	54.2	46.4	69.6	
99	63.1	50.2	75.2	

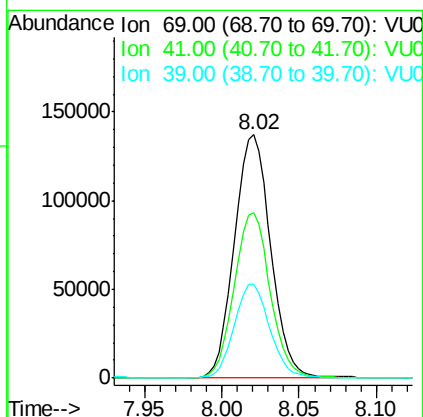
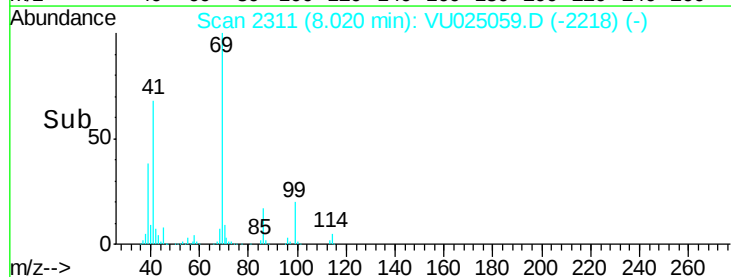
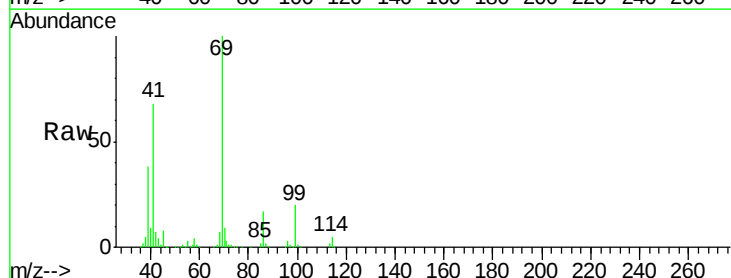
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 49.59 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.2	54.1	81.1	
39	37.7	30.3	45.5	





#57

1,3-Dichloropropane

Concen: 53.13 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tot Ion: 76 Resp: 241715

Ion Ratio Lower Upper

76 100

78 31.8 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

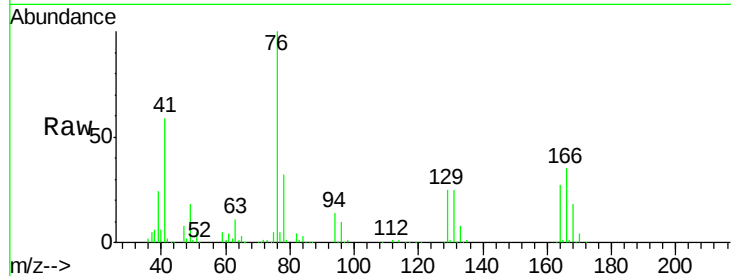
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

150000

100000

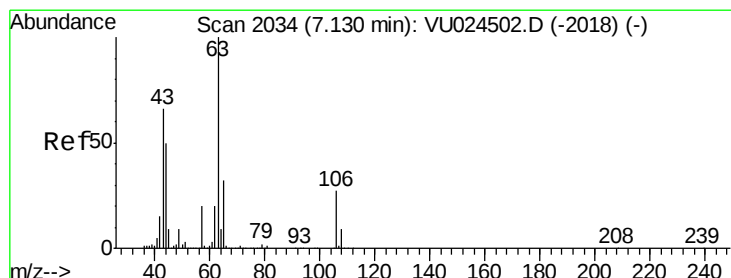
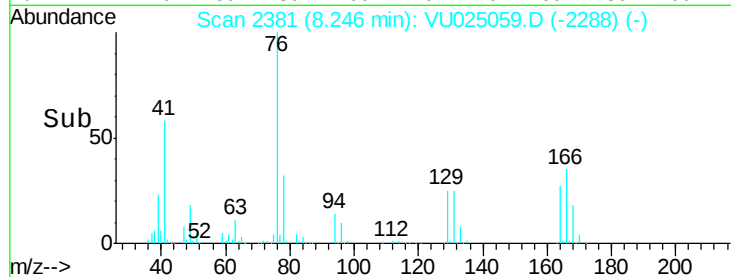
50000

0

8.20

8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 31.08 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025059.D

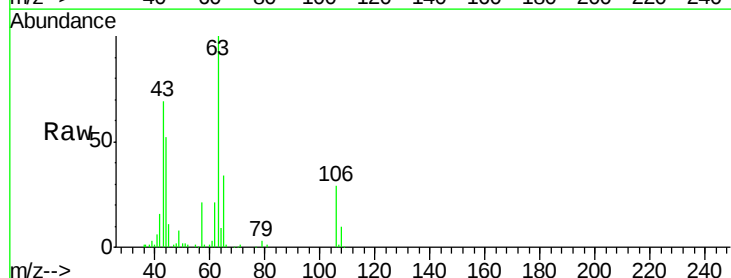
Acq: 29 Jun 2018 07:37

Tgt Ion: 63 Resp: 53747

Ion Ratio Lower Upper

63 100

106 28.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

30000

20000

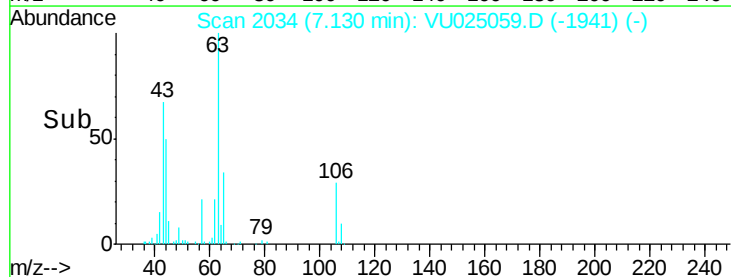
10000

0

7.10

7.20

Time-->





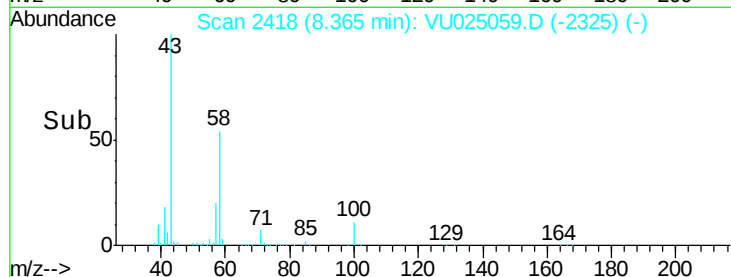
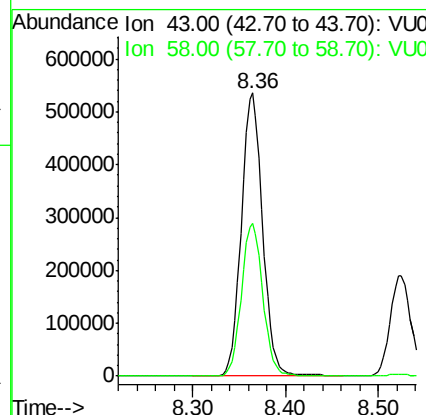
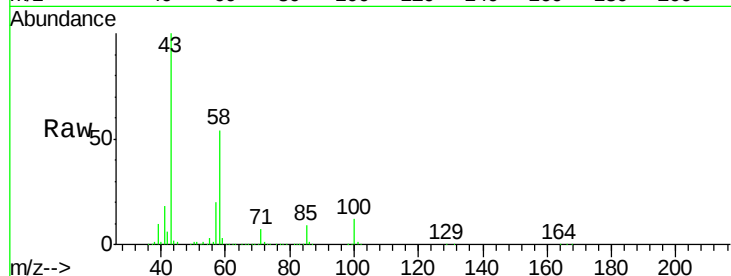
#59
2-Hexanone
Concen: 243.35 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 850970
Ion Ratio Lower Upper
43 100
58 54.5 26.4 79.0

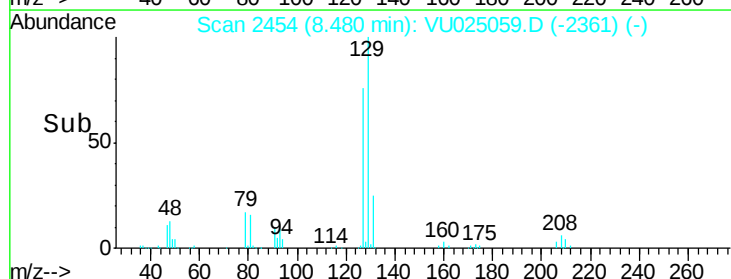
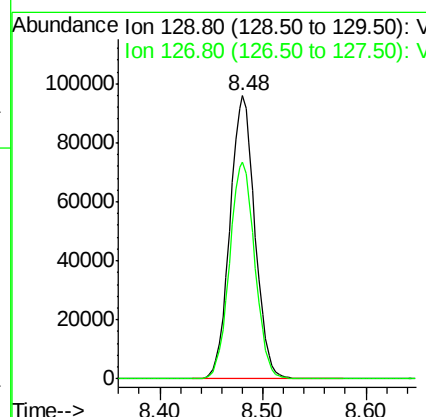
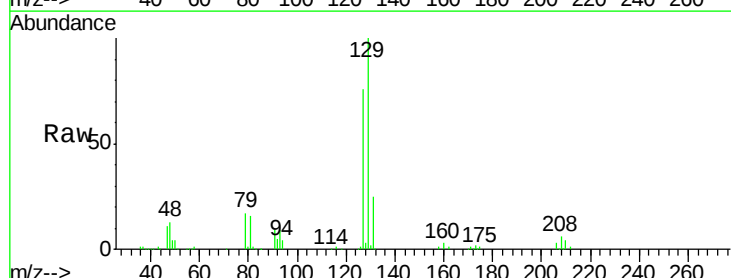
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.11 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion: 129 Resp: 161772
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.07 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 156287

Ion Ratio Lower Upper

107 100

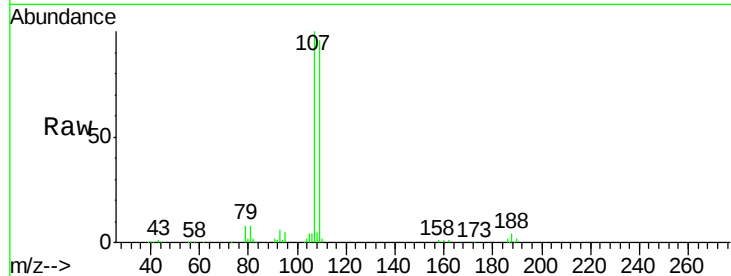
109 94.5 74.5 111.7

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

100000

80000

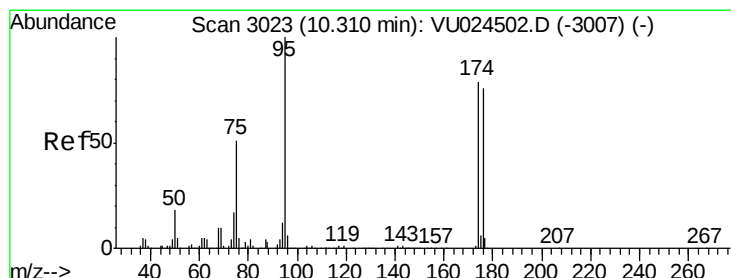
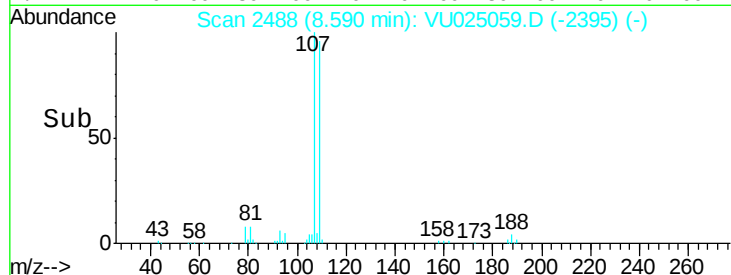
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.06 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

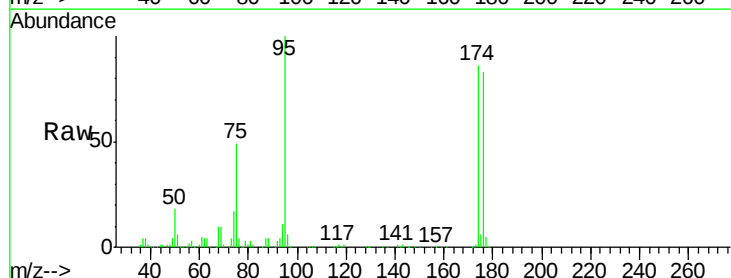
Tgt Ion: 95 Resp: 163099

Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 83.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

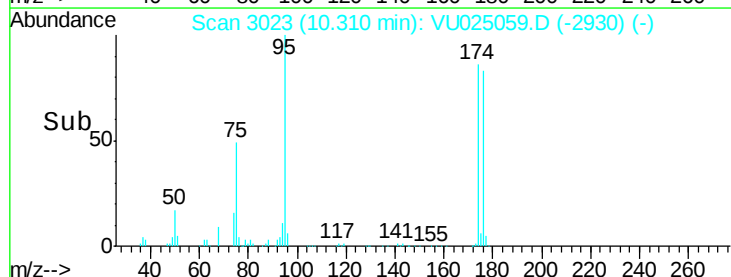
10.31

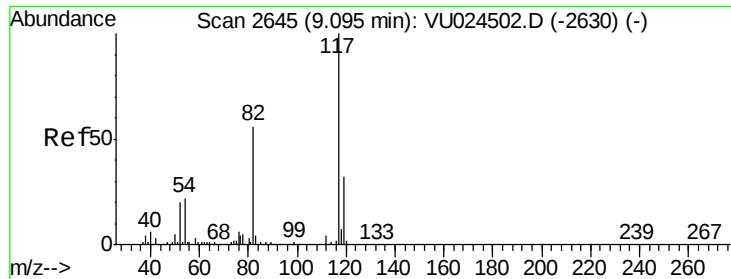
100000

50000

0

Time-->





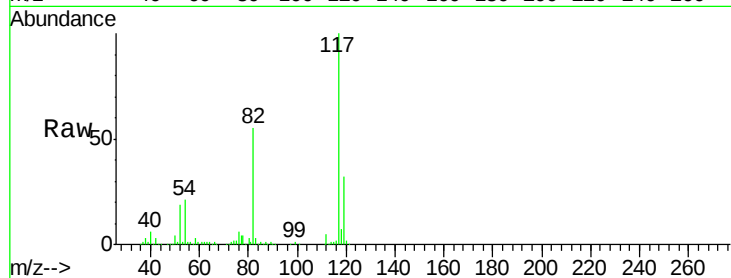
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.3	66.5
119	31.6	25.4	38.2

Manual Integrations
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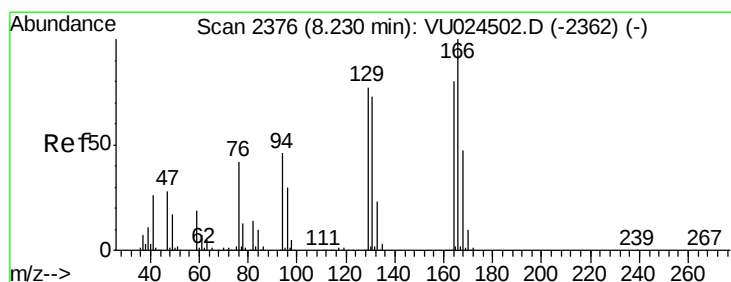
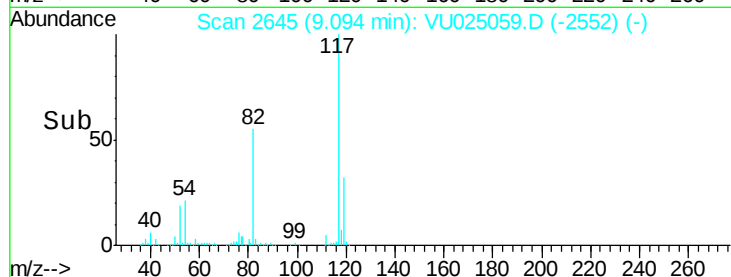
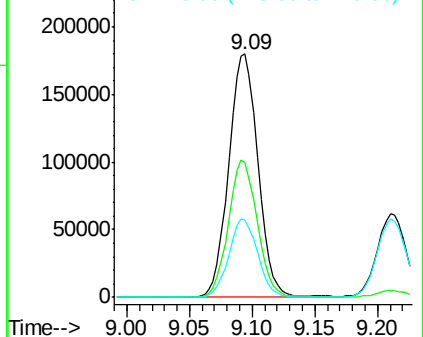


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 56.22 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.7	152.5
129	95.6	76.9	115.3
131	91.0	74.9	112.3

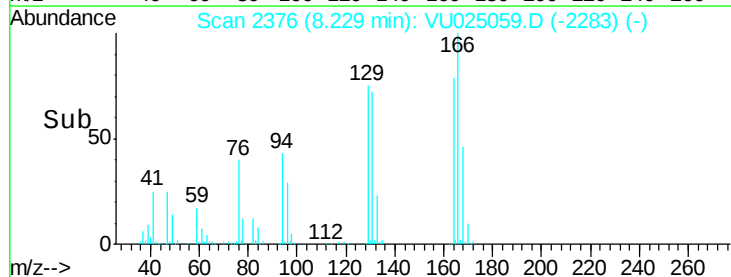
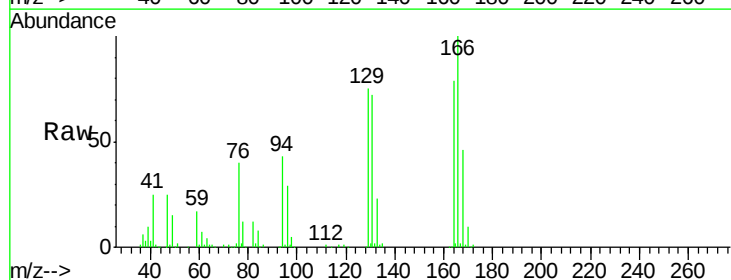
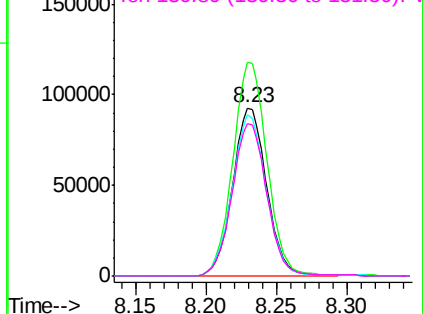
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 53.37 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 399814

Ion Ratio Lower Upper

112 100

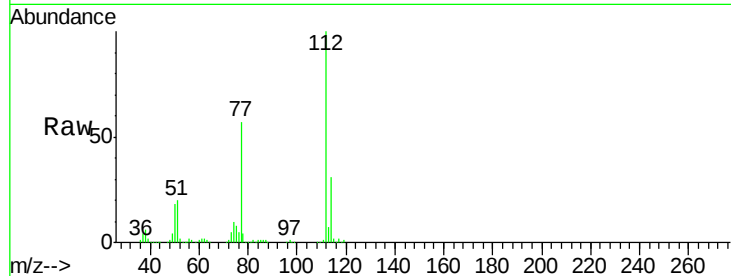
114 31.5 25.6 38.4

Manual Integrations

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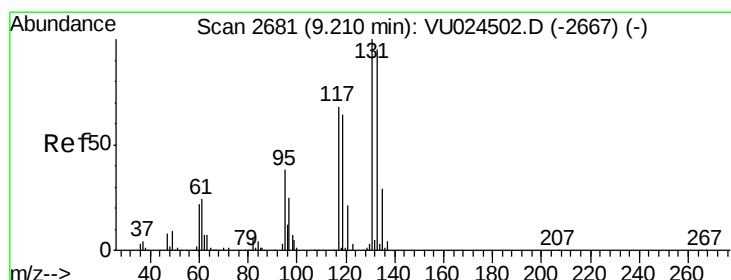
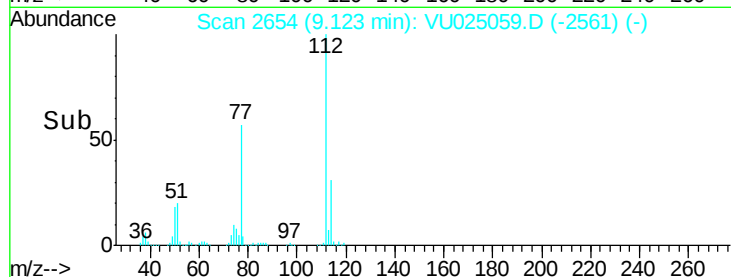
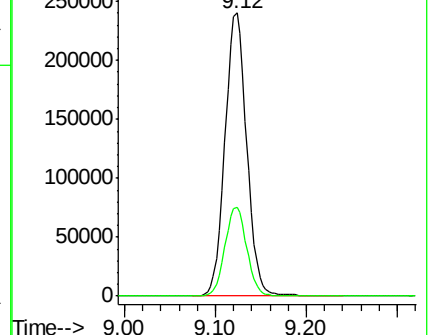
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.95 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

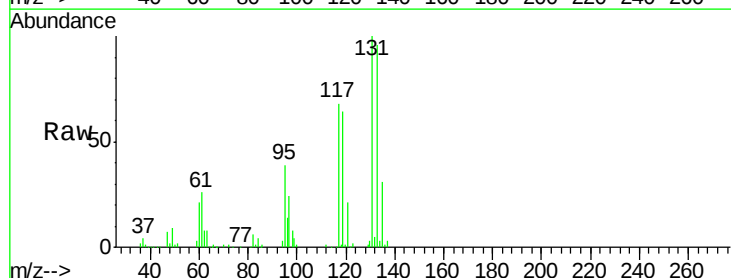
Tgt Ion:131 Resp: 147856

Ion Ratio Lower Upper

131 100

133 96.5 46.9 140.8

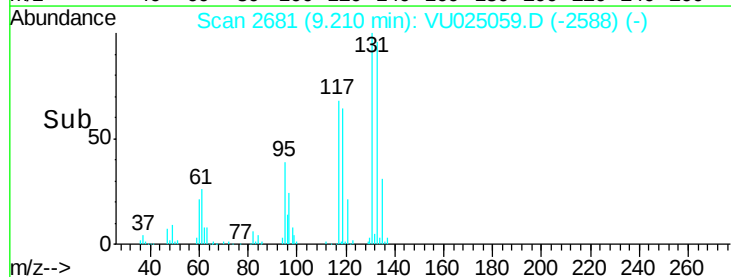
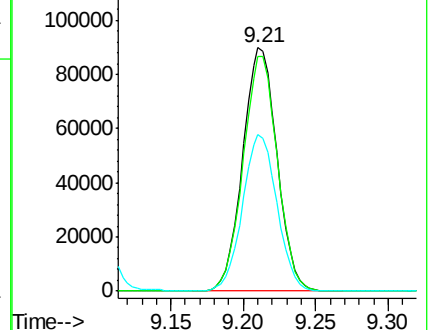
119 64.6 33.5 100.4

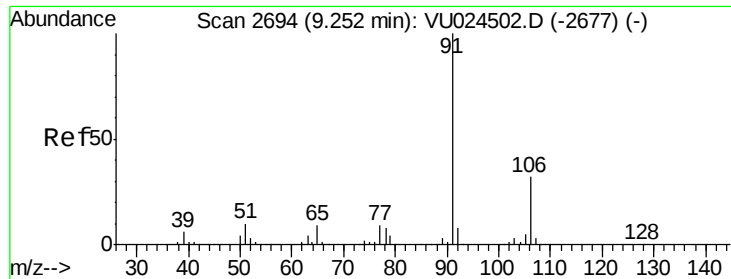


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





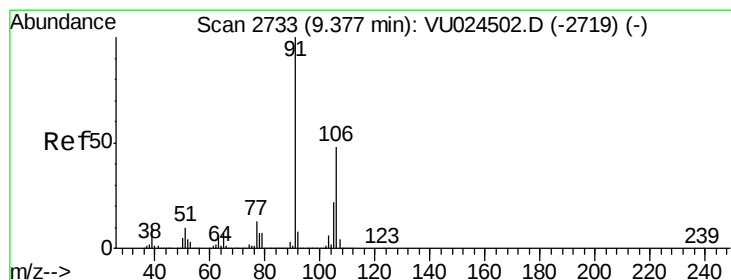
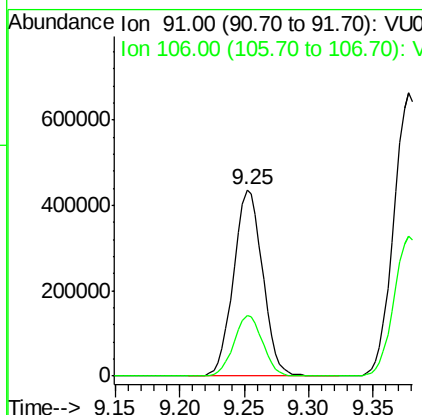
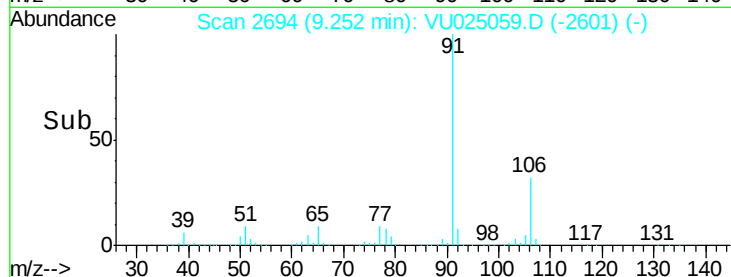
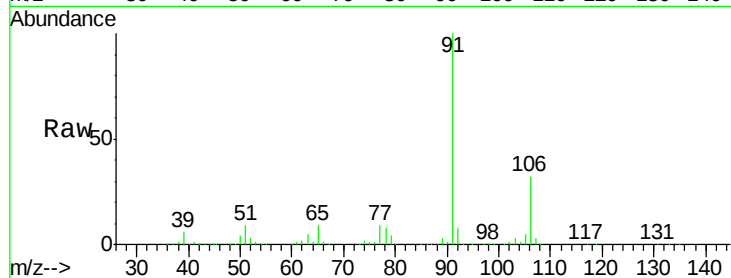
#67
Ethyl Benzene
Concen: 52.26 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 686263
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.4

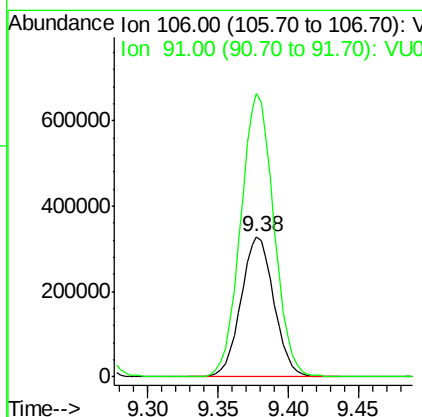
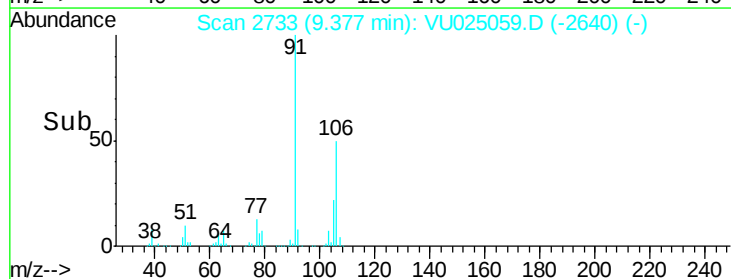
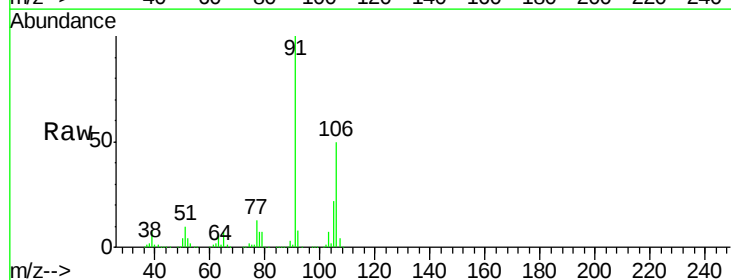
Manual Integrations
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#68
m/p-Xylenes
Concen: 105.97 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion: 106 Resp: 534417
Ion Ratio Lower Upper
106 100
91 204.9 166.5 249.7





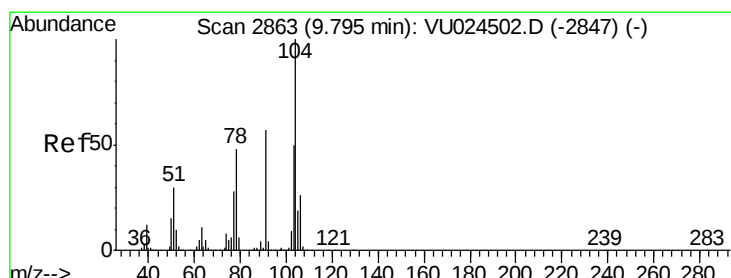
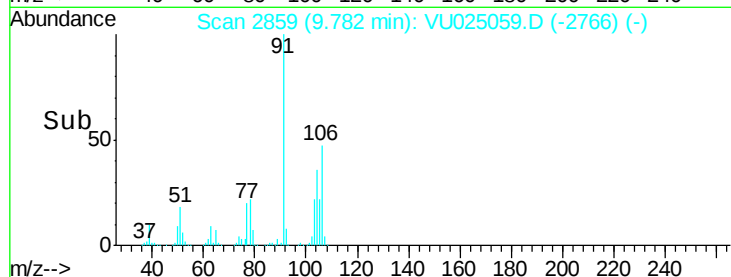
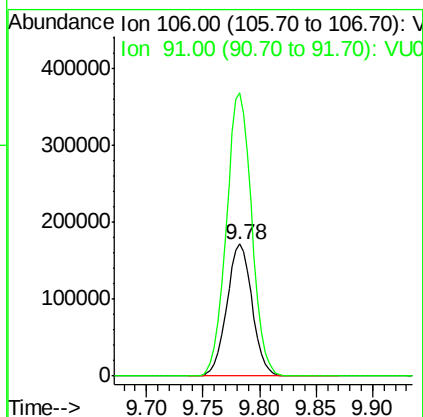
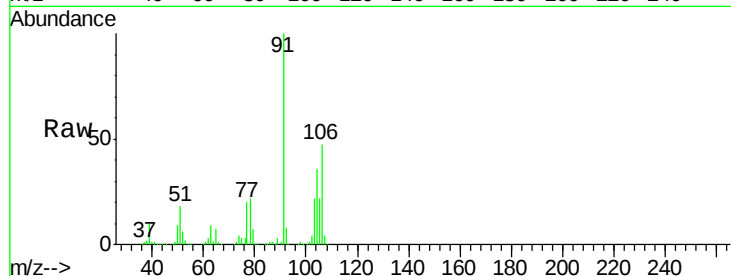
#69
o-Xylene
Concen: 53.56 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
267319	106	100		
	91	214.9	110.7	331.9

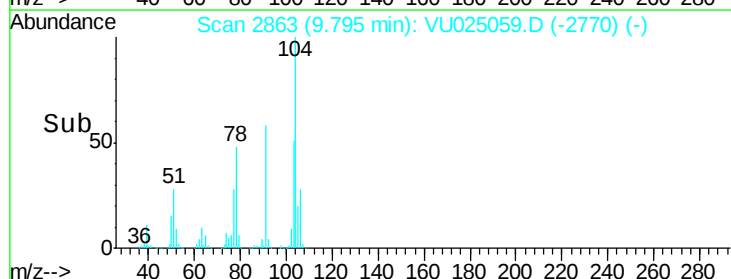
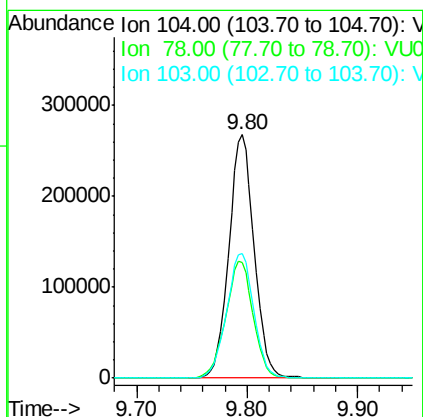
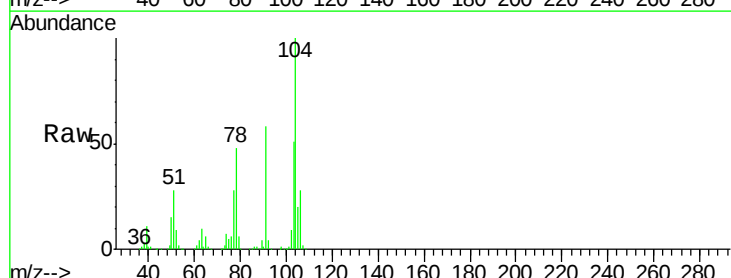
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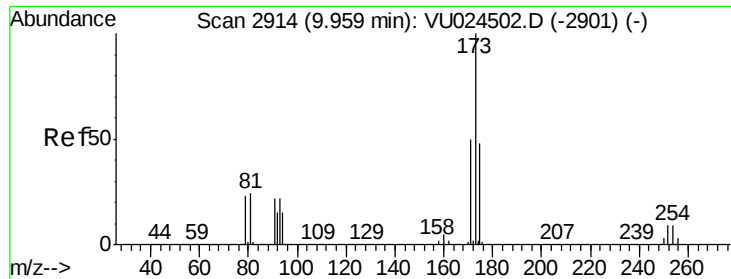
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#70
Styrene
Concen: 51.88 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ion	Ratio	Lower	Upper
425542	104	100		
	78	52.0	40.6	60.8
	103	55.4	44.7	67.1





#71

Bromoform

Concen: 47.43 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 128298

Ion Ratio Lower Upper

173 100

175 49.9 24.6 74.0

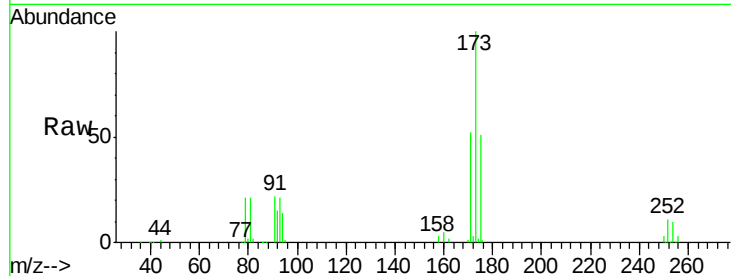
254 0.1 0.0 0.0#

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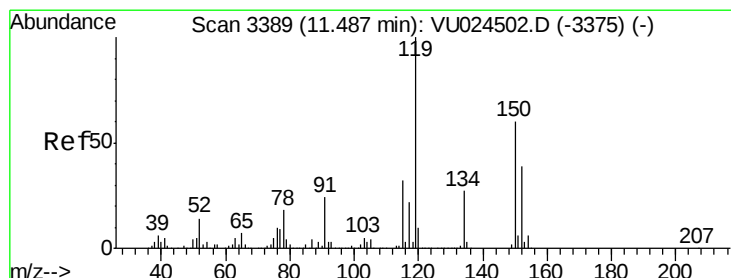
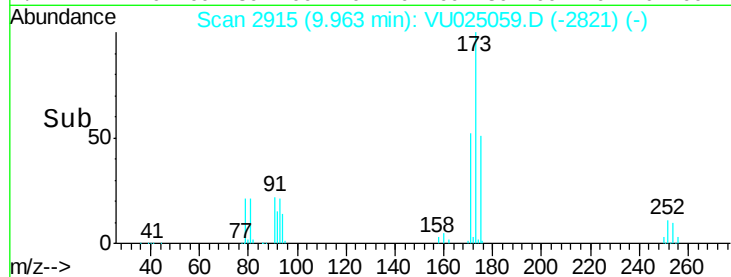
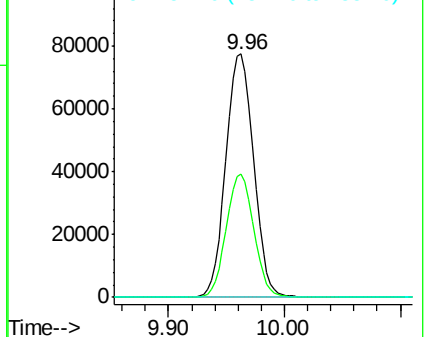
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

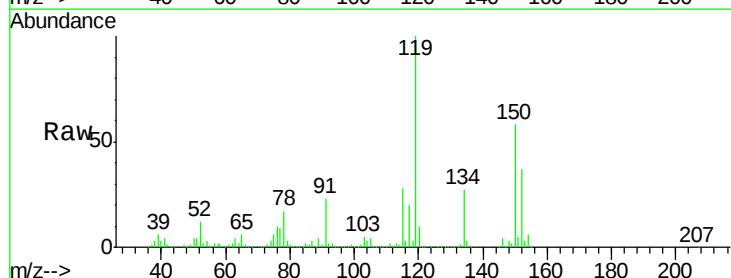
Tgt Ion:152 Resp: 178202

Ion Ratio Lower Upper

152 100

115 82.2 43.0 129.0

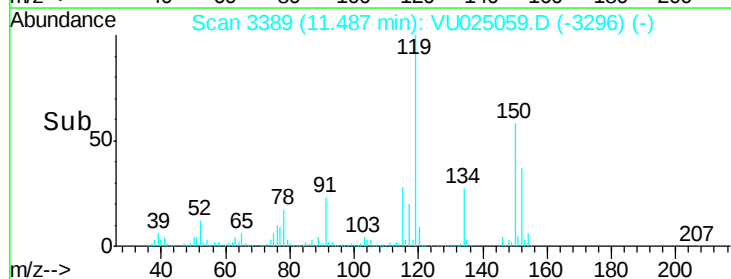
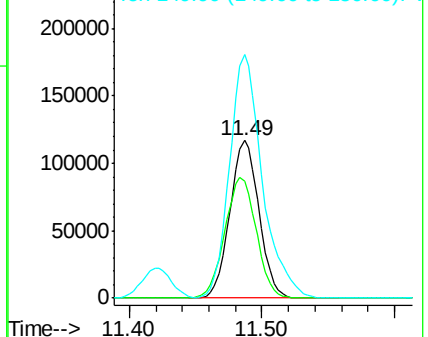
150 174.0 0.0 354.0

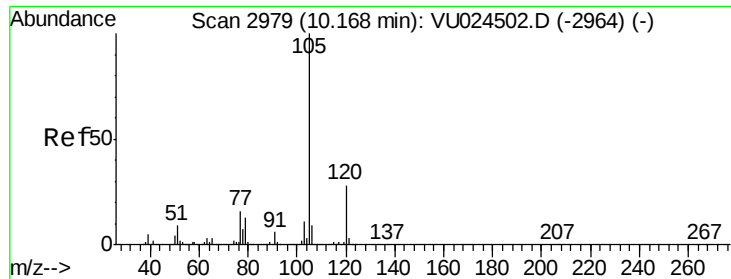


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.34 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 716098

Ion Ratio Lower Upper

105 100

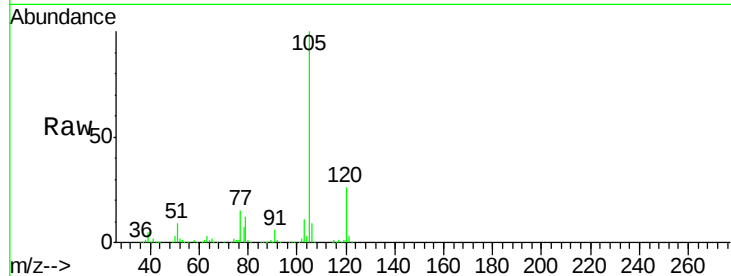
120 26.6 13.2 39.6

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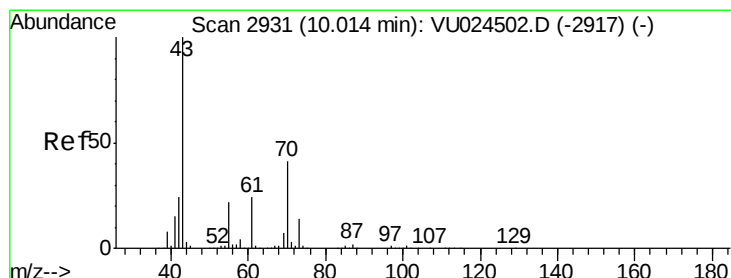
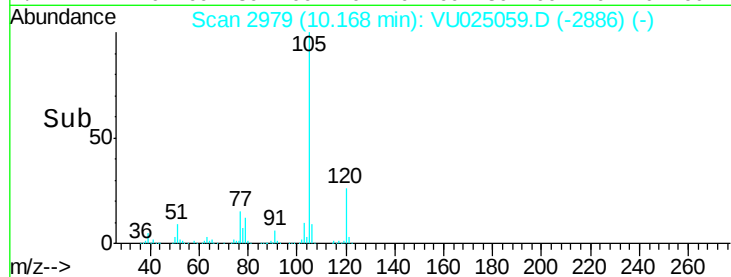
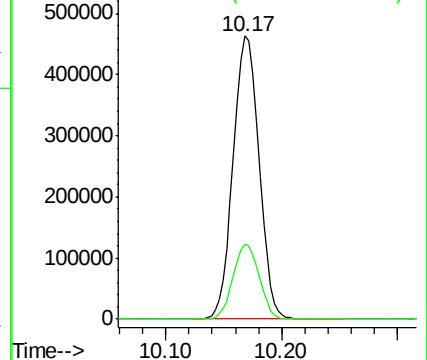
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.44 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion: 43 Resp: 295712

Ion Ratio Lower Upper

43 100

70 42.2 32.2 48.4

55 23.8 20.5 30.7

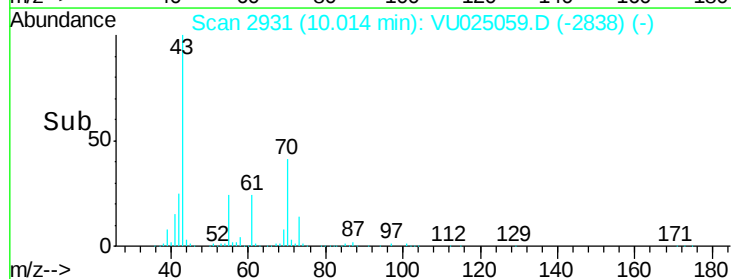
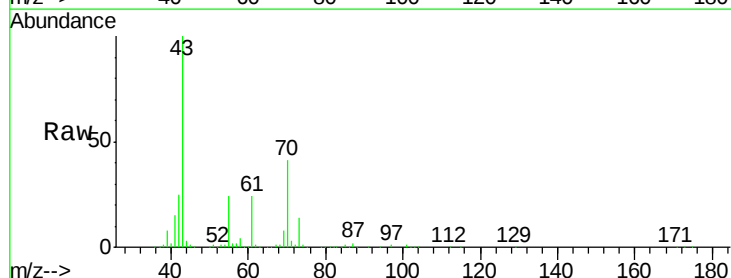
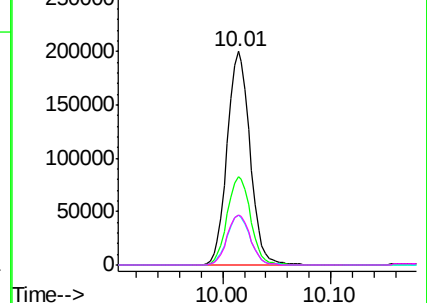
61 23.7 18.7 28.1

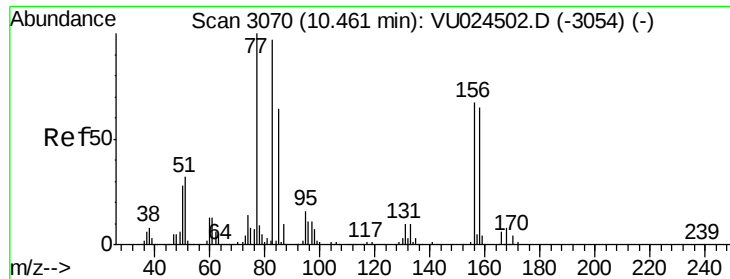
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.96 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 238240

Ion Ratio Lower Upper

83 100

131 11.0 4.7 14.1

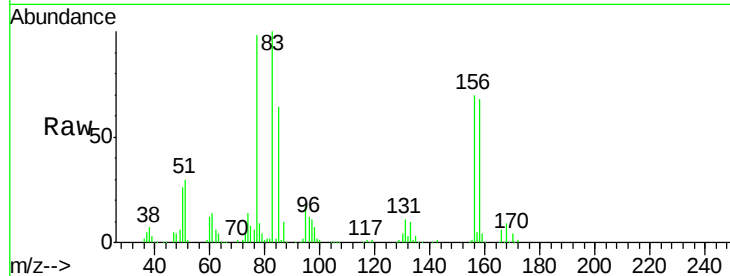
85 64.0 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VU025059.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025059.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025059.D (-2977) (-)

10.46

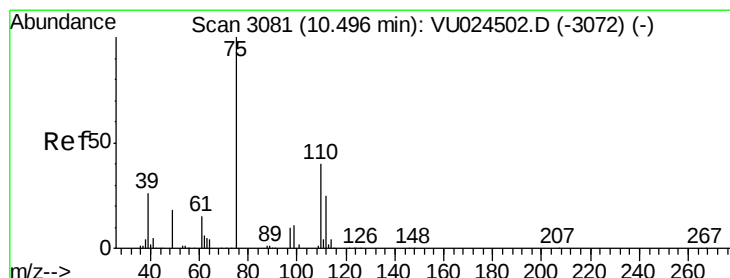
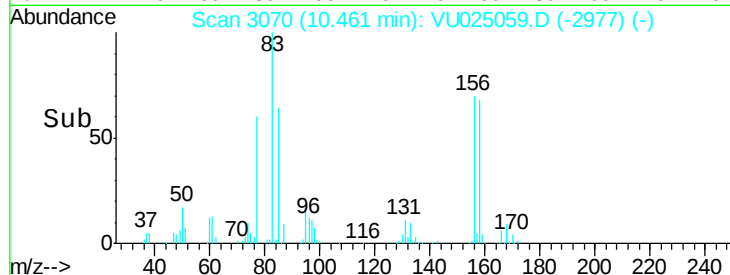
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.64 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025059.D

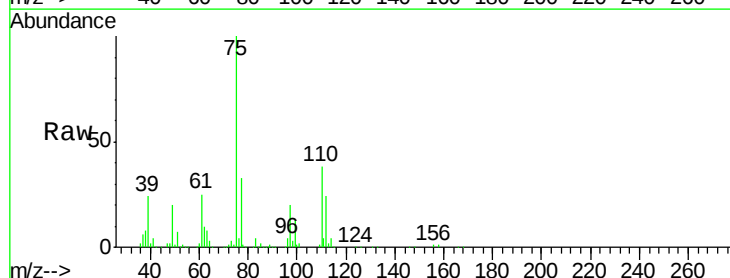
Acq: 29 Jun 2018 07:37

Tgt Ion: 75 Resp: 214379

Ion Ratio Lower Upper

75 100

77 37.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025059.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025059.D (-2988) (-)

10.50

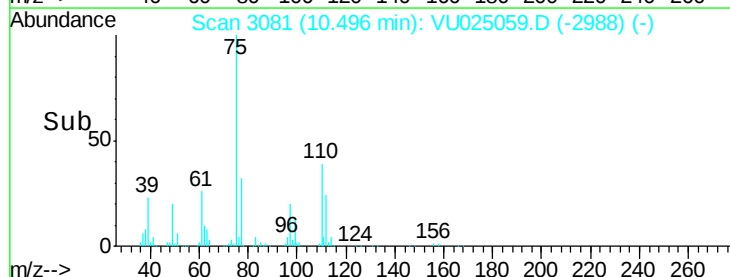
150000

100000

50000

0

Time-->





#77

Bromobenzene

Concen: 53.56 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

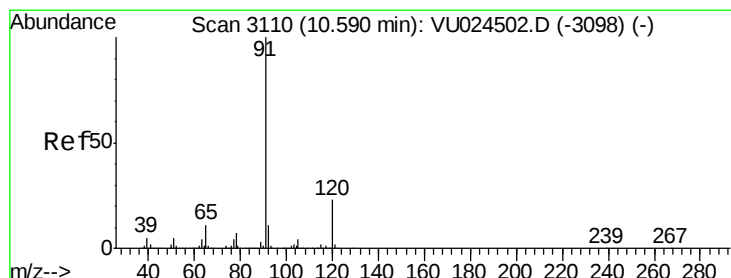
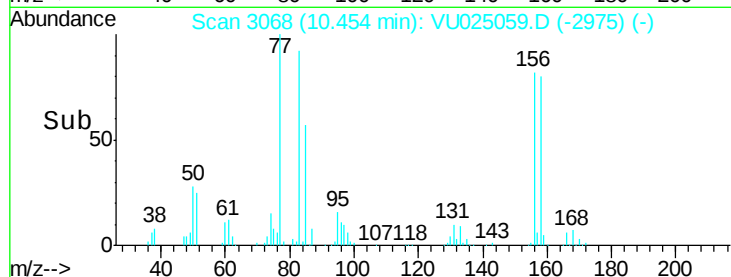
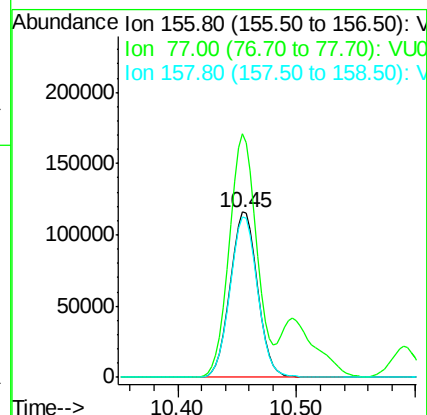
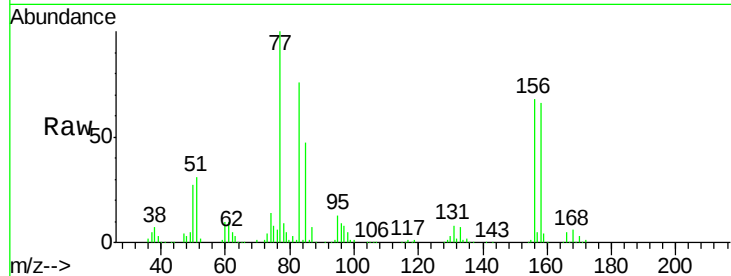
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.1	80.5	241.3
158	97.5	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.14 ug/l

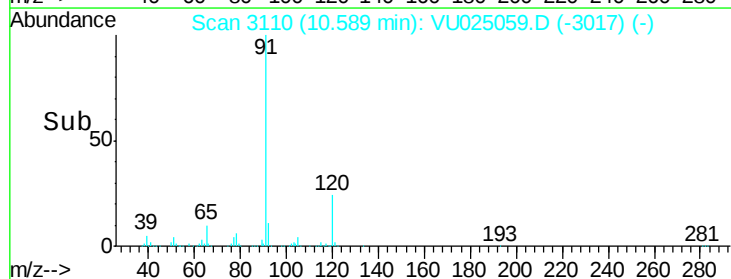
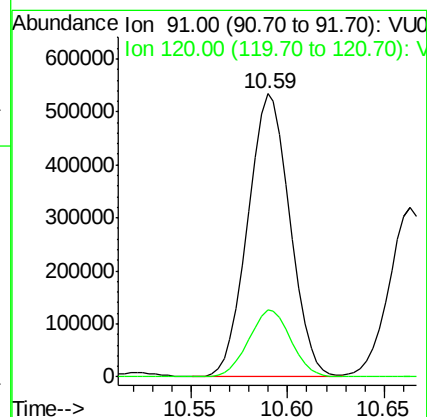
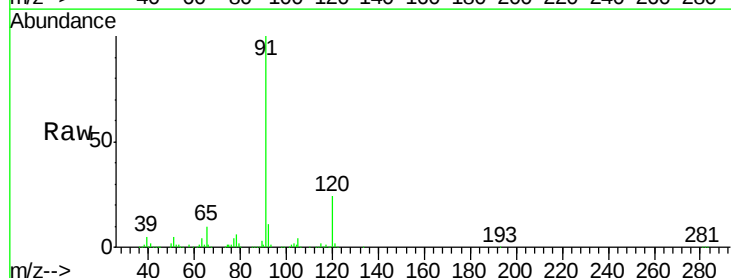
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 51.27 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 487281

Ion Ratio Lower Upper

91 100

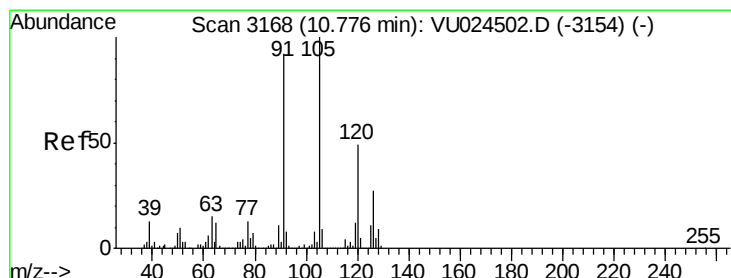
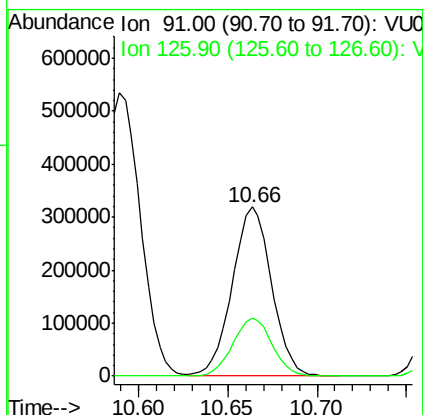
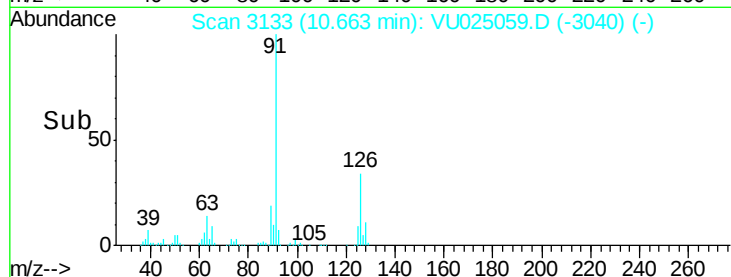
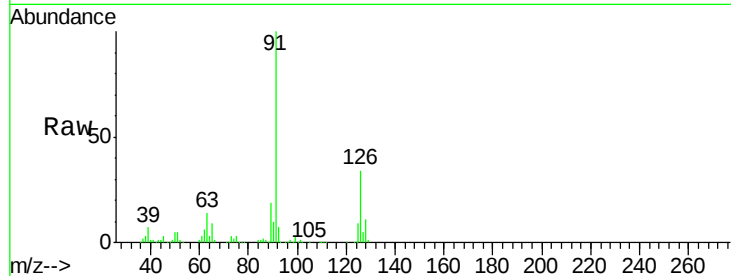
126 34.7 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025059.D

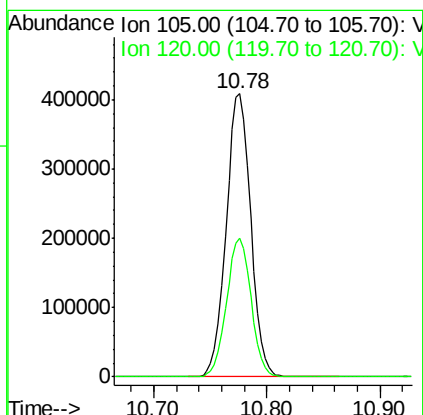
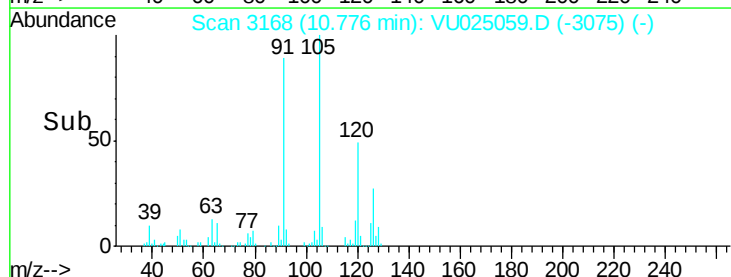
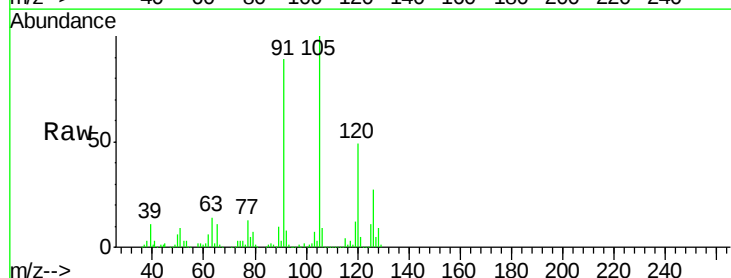
Acq: 29 Jun 2018 07:37

Tgt Ion: 105 Resp: 615600

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





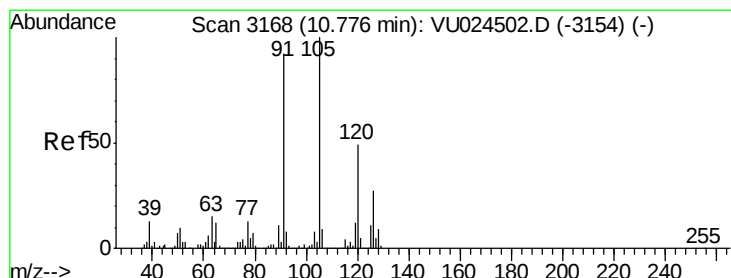
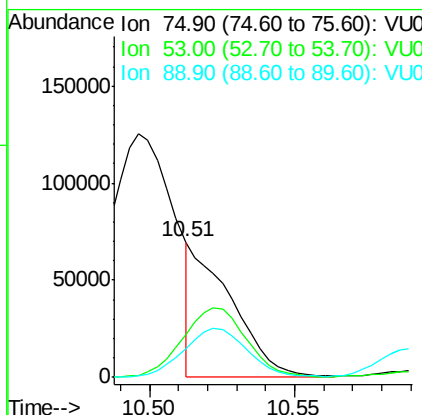
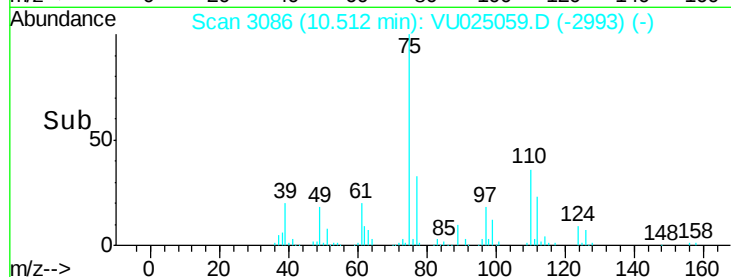
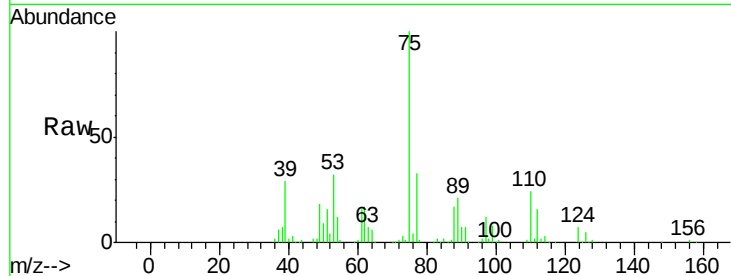
#81
trans-1,4-Dichloro-2-butene
Concen: 40.27 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

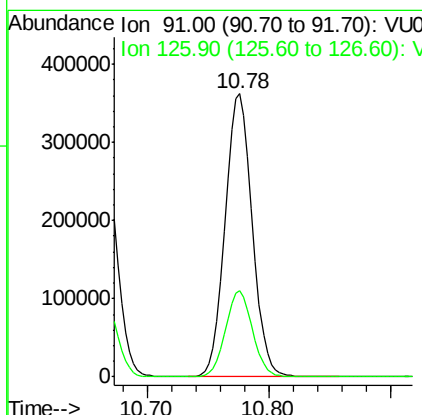
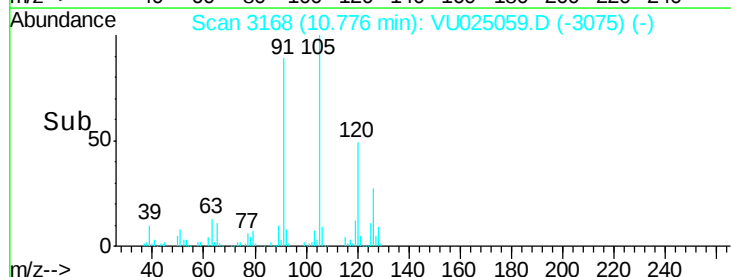
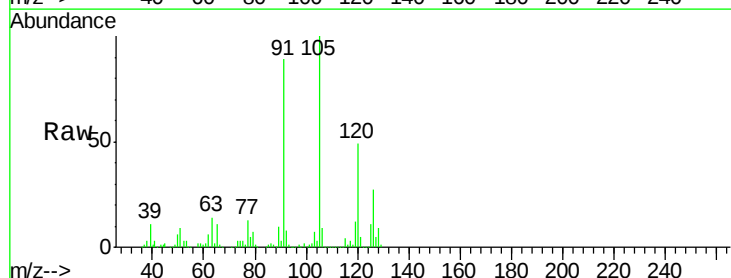
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#82
4-Chlorotoluene
Concen: 51.01 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





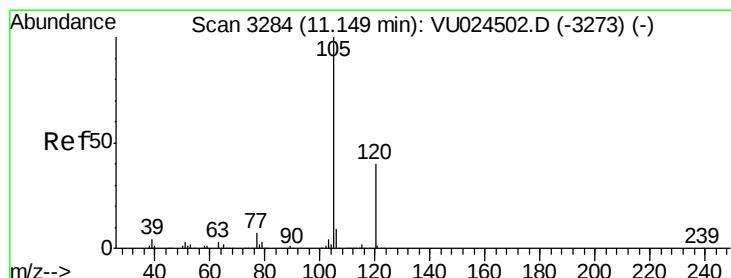
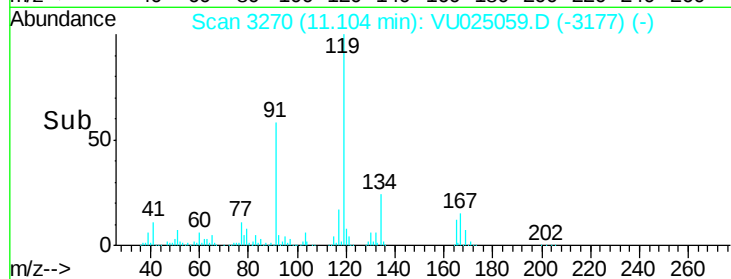
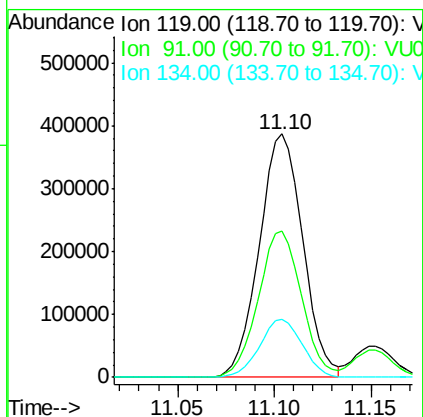
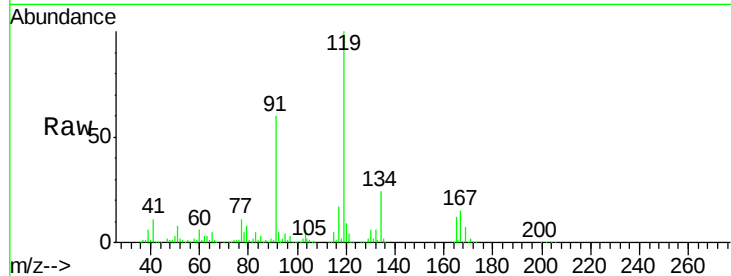
#83
 tert-Butylbenzene
 Concen: 52.97 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.7	89.1
134	23.4	11.6	34.7

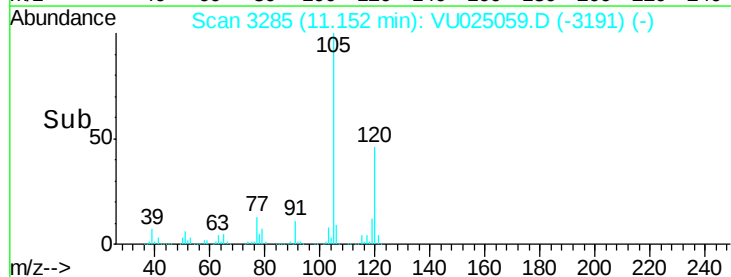
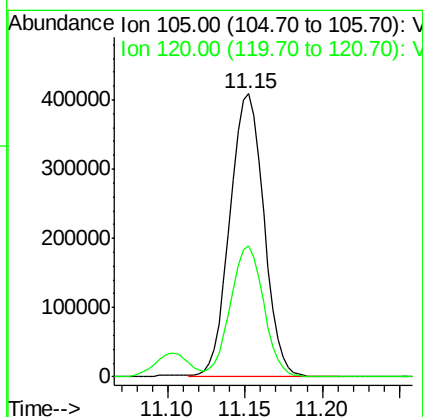
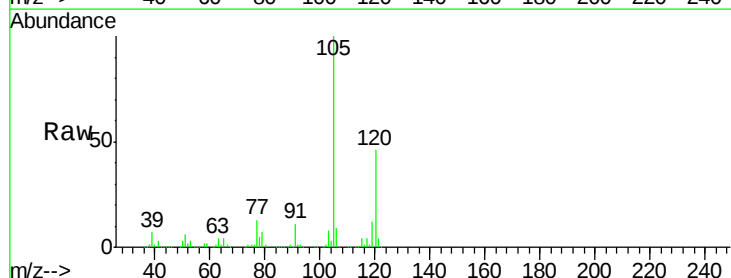
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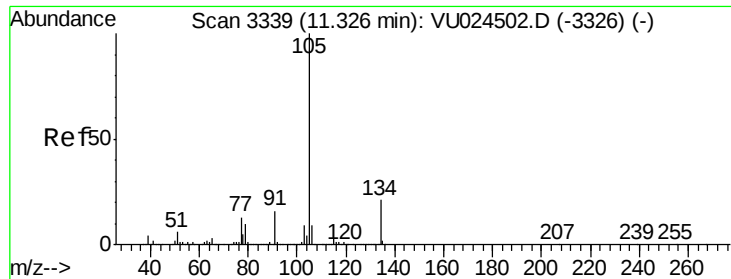
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.42 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.56 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 736132

Ion Ratio Lower Upper

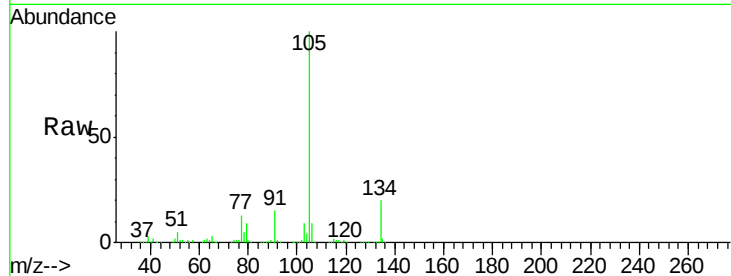
105 100

134 20.4 9.7 29.1

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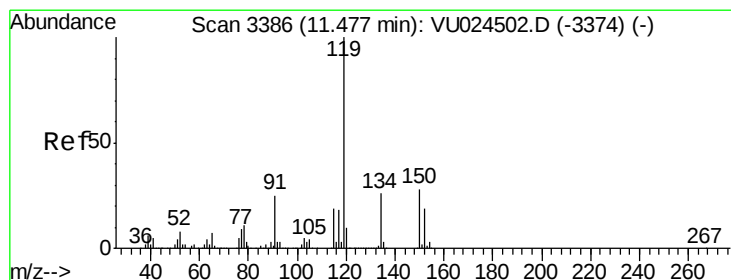
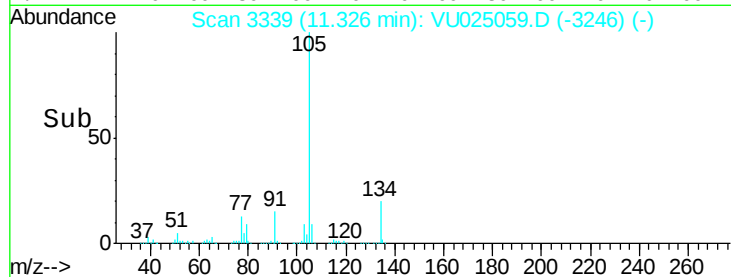
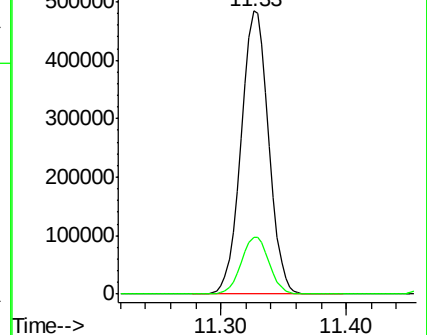
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.70 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

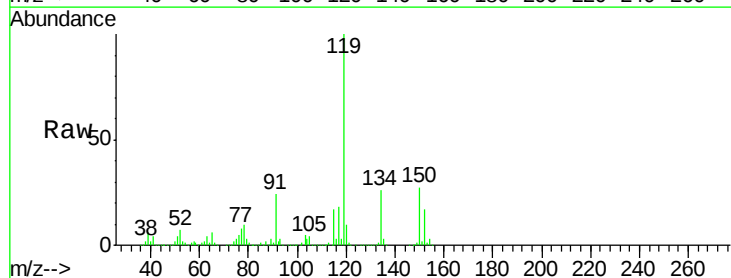
Tgt Ion:119 Resp: 648385

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

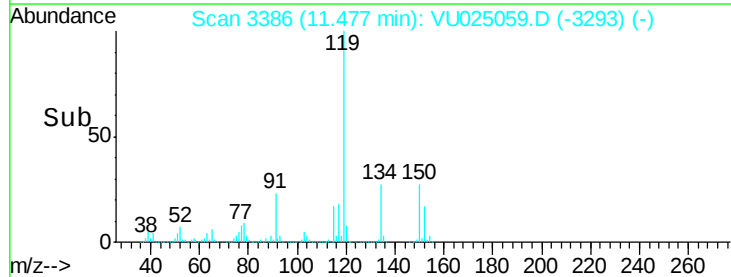
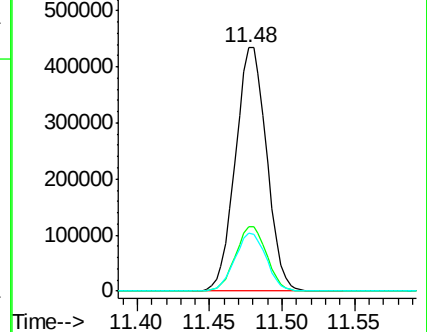
91 24.0 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





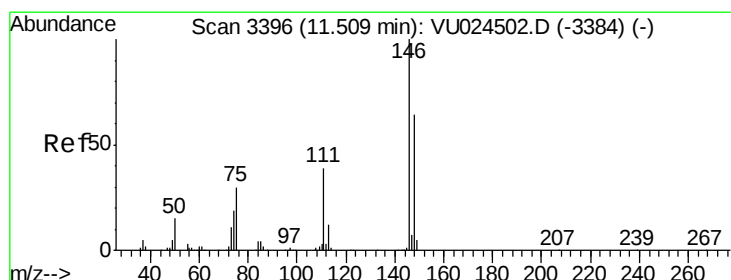
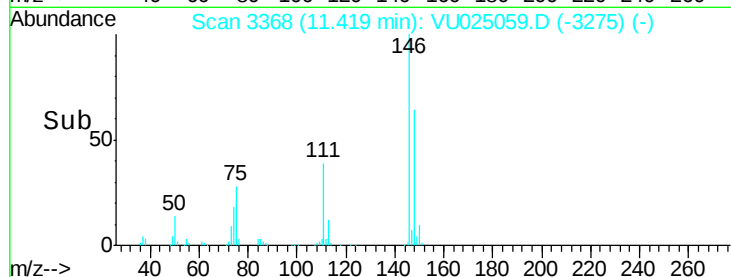
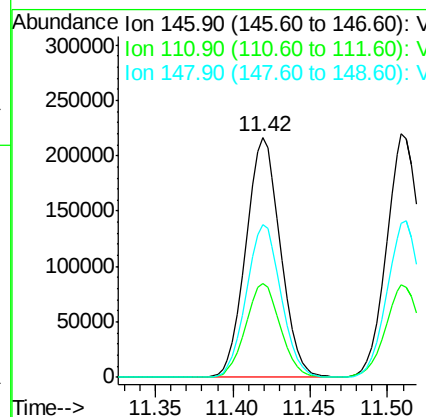
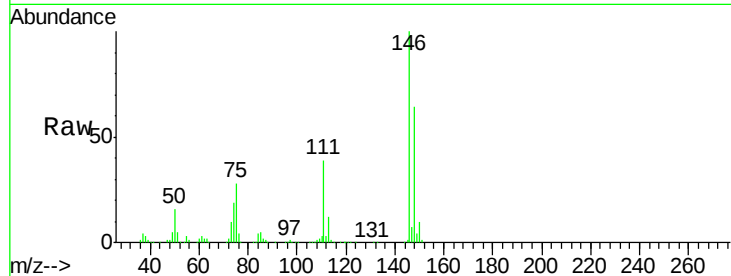
#87
 1,3-Dichlorobenzene
 Concen: 52.47 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.1	32.1	96.5

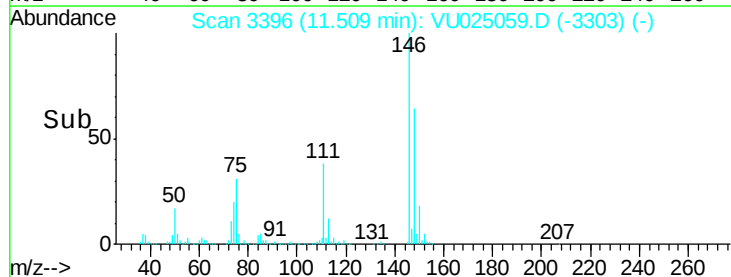
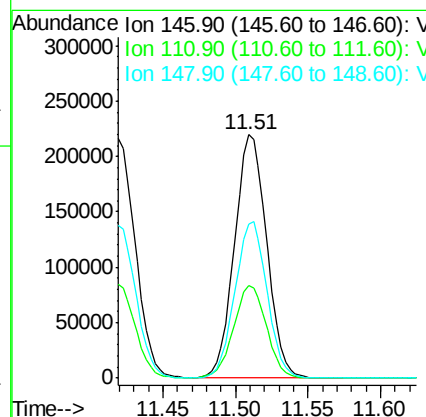
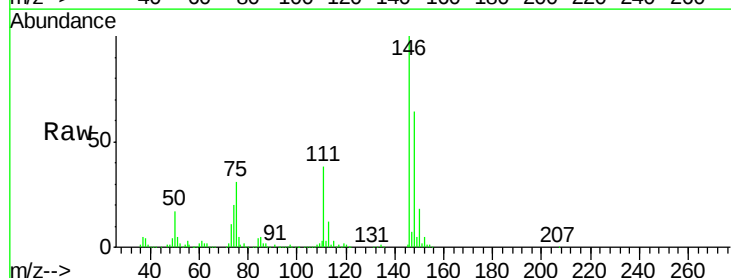
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#88
 1,4-Dichlorobenzene
 Concen: 52.49 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.5	58.5
148	64.3	32.4	97.0





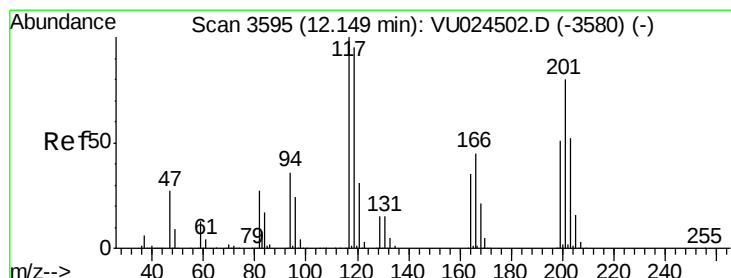
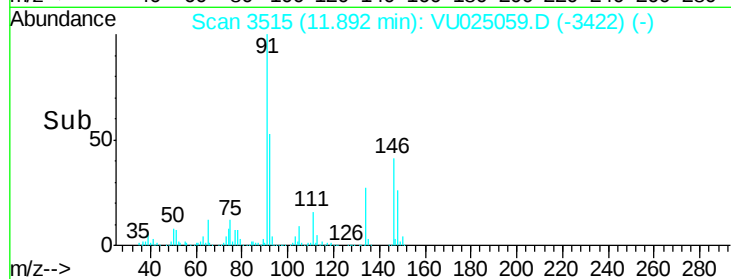
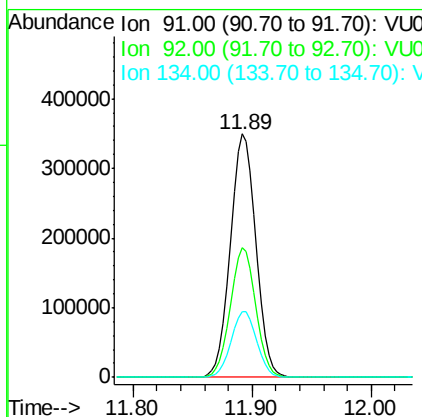
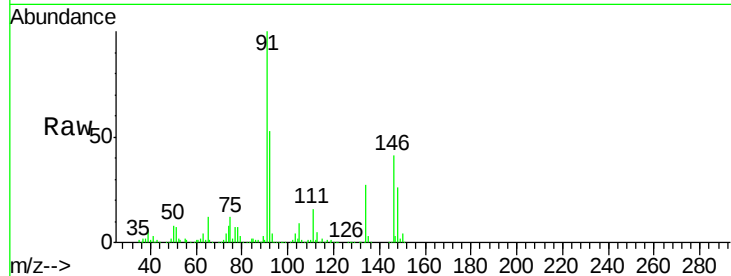
#89
n-Butylbenzene
Concen: 45.70 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	27.3	12.3	36.8

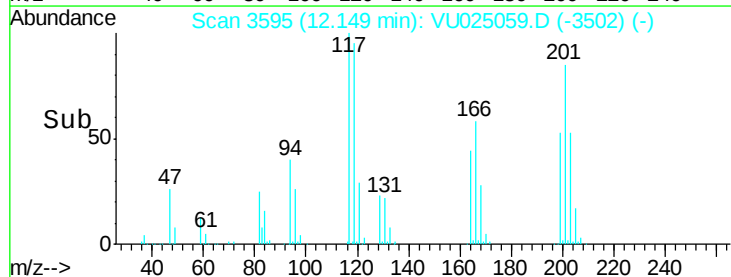
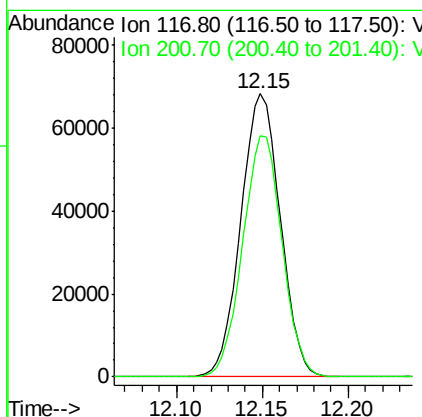
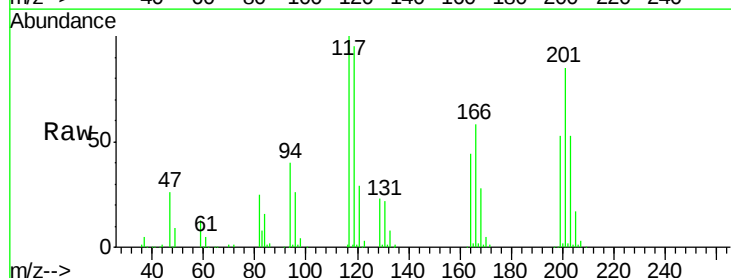
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#90
Hexachloroethane
Concen: 43.56 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025059.D
Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.1	123.3





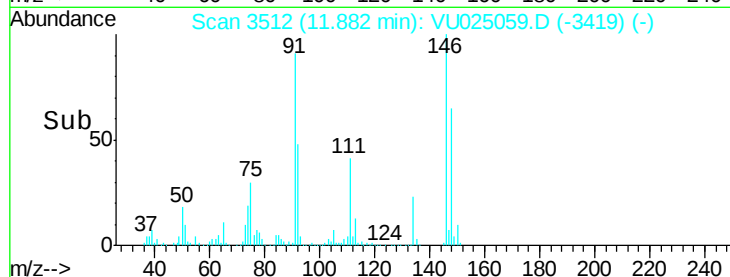
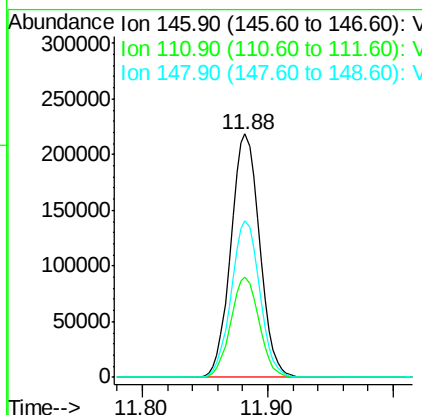
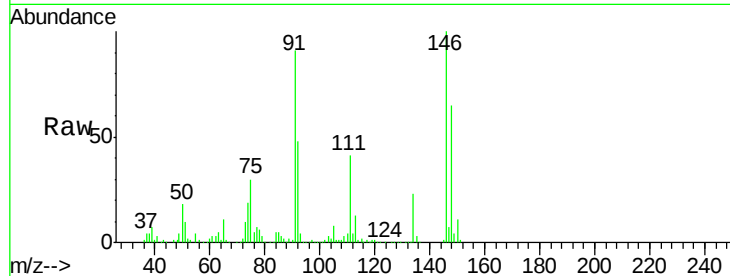
#91
 1,2-Dichlorobenzene
 Concen: 54.38 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.5	61.6
148	63.7	31.9	95.7

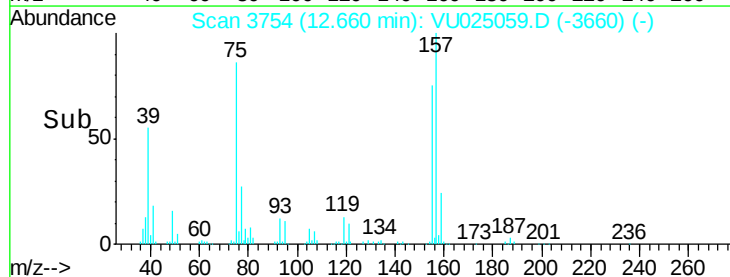
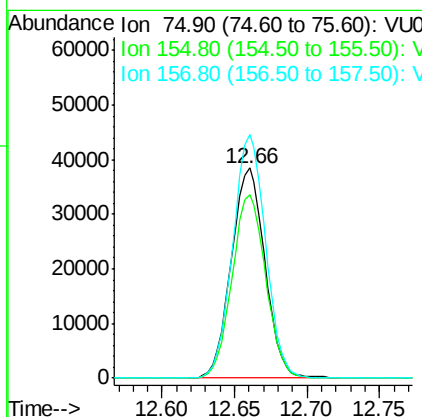
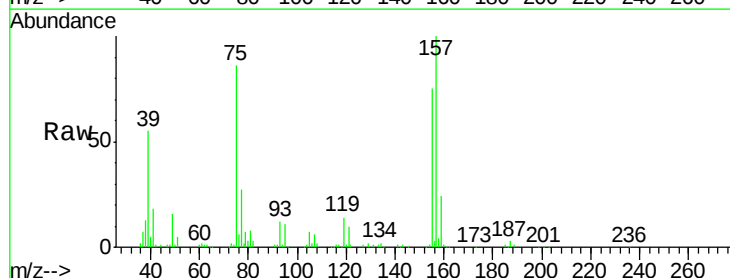
Manual Integrations
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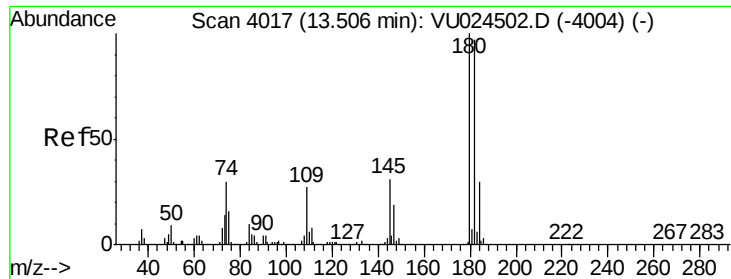
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.06 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	40.4	121.2
157	112.9	52.3	156.8





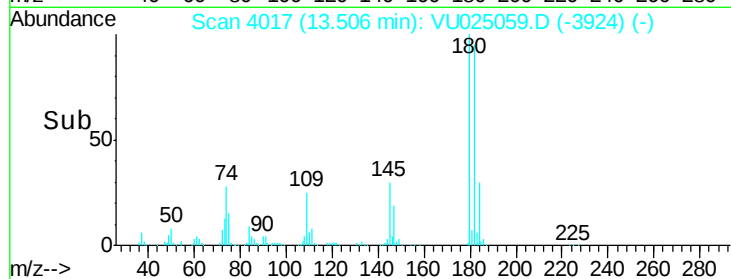
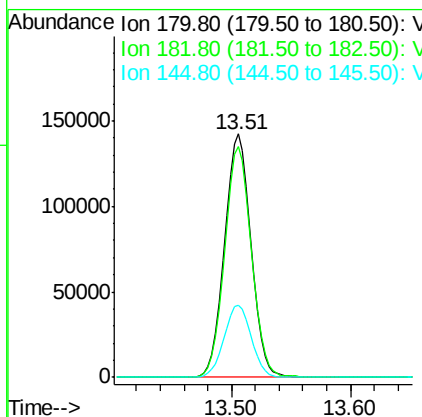
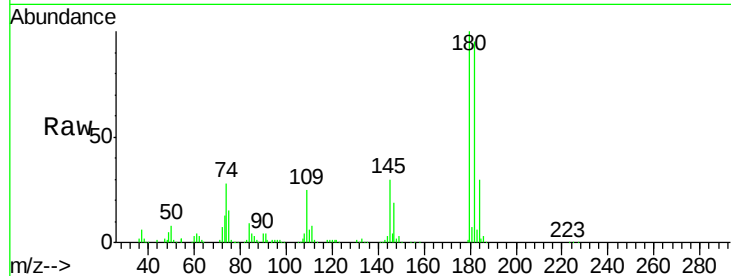
#93
 1,2,4-Trichlorobenzene
 Concen: 55.44 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	219449		
182	95.7	48.0	144.2	
145	30.4	14.7	44.1	

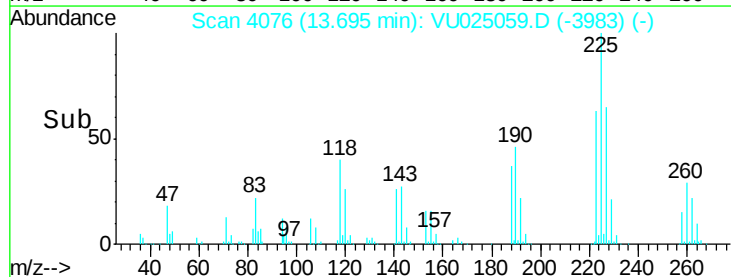
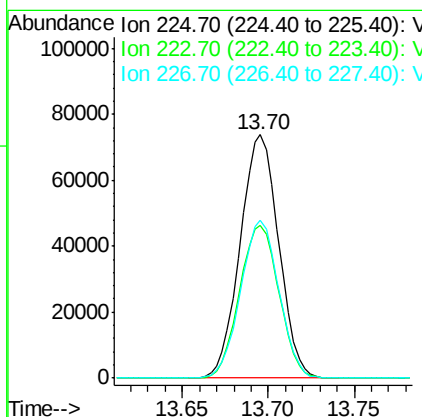
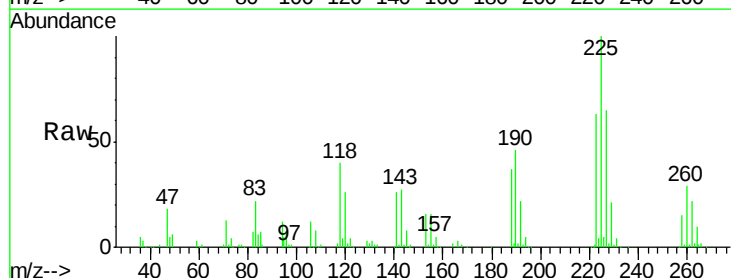
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 51.39 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025059.D
 Acq: 29 Jun 2018 07:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114485		
223	64.1	31.3	93.8	
227	64.5	31.8	95.4	





#95

Naphthalene

Concen: 56.90 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Instrument :

MSVOA_U

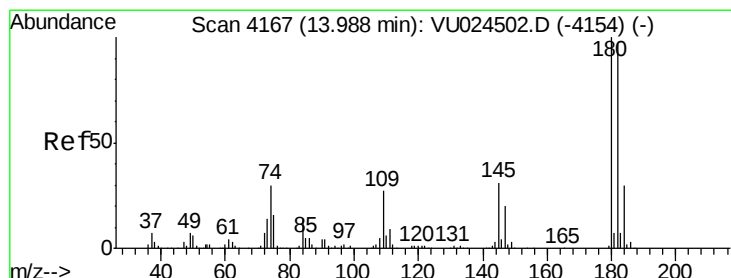
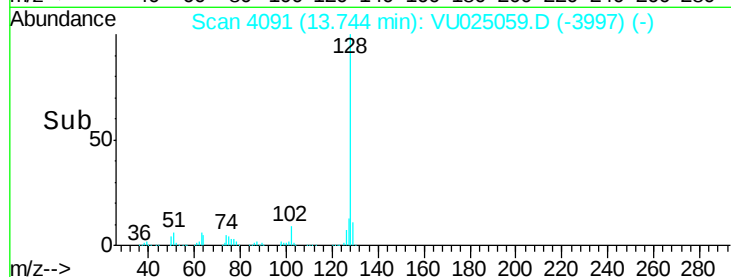
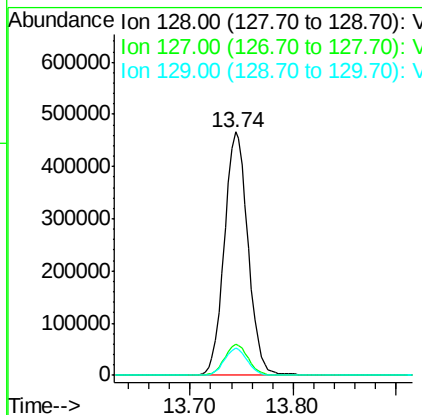
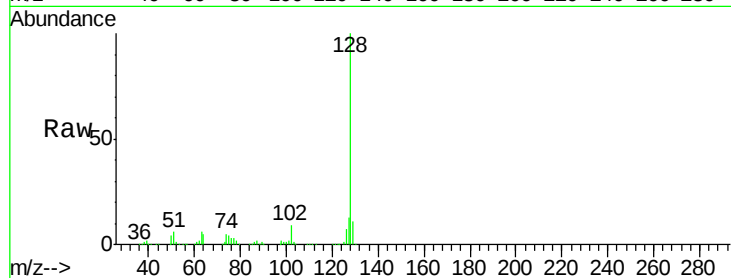
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	746879
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 58.01 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025059.D

Acq: 29 Jun 2018 07:37

Tgt Ion:	180	Resp:	228782
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.7
145	32.3	15.4	46.1

