

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024953.D
 Acq On : 27 Jun 2018 04:47
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:00 PM

Quant Time: Jun 27 06:36:28 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	202274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	176721	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	143334	43.41	ug/l	0.00
Spiked Amount			Recovery	=	86.82%	
35) Dibromofluoromethane	4.89	113	116701	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
50) Toluene-d8	7.57	98	403195	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	
62) 4-Bromofluorobenzene	10.31	95	164843	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	102090	40.32	ug/l	99
3) Chloromethane	1.33	50	114065	44.10	ug/l	99
4) Vinyl Chloride	1.40	62	123702	46.37	ug/l	99
5) Bromomethane	1.62	94	68190	52.88	ug/l	100
6) Chloroethane	1.69	64	79214	53.21	ug/l	99
7) Trichlorofluoromethane	1.89	101	183798	45.15	ug/l	99
8) Diethyl Ether	2.10	74	75259	54.49	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	117620	46.57	ug/l	95
10) Methyl Iodide	2.41	142	126115	58.05	ug/l	98
11) Tert butyl alcohol	2.83	59	182419	227.14	ug/l	99
12) 1,1-Dichloroethene	2.28	96	110076	47.79	ug/l	91
13) Acrolein	2.19	56	46215	109.58	ug/l	98
14) Allyl chloride	2.59	41	184149	43.06	ug/l	95
15) Acrylonitrile	2.93	53	372142	238.16	ug/l	99
16) Acetone	2.32	43	336501	189.66	ug/l	98
17) Carbon Disulfide	2.48	76	274091	37.17	ug/l	98
18) Methyl Acetate	2.62	43	209665	55.12	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	431263	49.81	ug/l	95
20) Methylene Chloride	2.70	84	134339	48.26	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	115676	45.60	ug/l	95
22) Diisopropyl ether	3.57	45	404016	47.66	ug/l	97
23) Vinyl Acetate	3.53	43	1658827	218.44	ug/l	99
24) 1,1-Dichloroethane	3.45	63	231659	47.50	ug/l	99
25) 2-Butanone	4.26	43	522455	219.22	ug/l	95
26) 2,2-Dichloropropane	4.23	77	167284	36.12	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	139189	47.73	ug/l	94
28) Bromochloromethane	4.55	49	97314	45.30	ug/l	83
29) Tetrahydrofuran	4.63	42	336007	227.67	ug/l	96
30) Chloroform	4.68	83	239268	48.47	ug/l	98
31) Cyclohexane	5.00	56	196185	45.11	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	219846	48.16	ug/l	95
36) 1,1-Dichloropropene	5.14	75	165407	46.57	ug/l	96
37) Ethyl Acetate	4.38	43	193501	49.98	ug/l #	96
38) Carbon Tetrachloride	5.14	117	193274	49.48	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	200656	45.27	ug/l	95
40) Benzene	5.39	78	499424	49.35	ug/l	99
41) Methacrylonitrile	4.54	41	108590	52.03	ug/l	98
42) 1,2-Dichloroethane	5.41	62	194920	50.57	ug/l	99
43) Isopropyl Acetate	5.55	43	310805	46.45	ug/l	97
44) Trichloroethene	6.19	130	140016	48.61	ug/l	97
45) 1,2-Dichloropropane	6.44	63	132428	49.04	ug/l	97
46) Dibromomethane	6.56	93	95059	50.11	ug/l	93
47) Bromodichloromethane	6.76	83	181069	47.94	ug/l	99
48) Methyl methacrylate	6.62	41	157914	48.46	ug/l	99
49) 1,4-Dioxane	6.62	88	76567	1201.57	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	1004995	239.06	ug/l	97
52) Toluene	7.64	92	318633	48.94	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	195148	46.01	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	204676	45.28	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	133837	50.57	ug/l	97
56) Ethyl methacrylate	8.02	69	216745	48.93	ug/l	98
57) 1,3-Dichloropropane	8.25	76	223835	50.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	117669	69.33	ug/l	95
59) 2-Hexanone	8.36	43	800262	233.16	ug/l	98
60) Dibromochloromethane	8.48	129	153251	46.43	ug/l	100
61) 1,2-Dibromoethane	8.59	107	143938	48.86	ug/l	97
64) Tetrachloroethene	8.23	164	136459	50.29	ug/l	98
65) Chlorobenzene	9.12	112	360926	49.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	141165	50.95	ug/l	98
67) Ethyl Benzene	9.25	91	626220	48.99	ug/l	98
68) m/p-Xylenes	9.38	106	490138	99.85	ug/l	96
69) o-Xylene	9.78	106	243454	50.11	ug/l	96
70) Styrene	9.80	104	405466	50.79	ug/l	99
71) Bromoform	9.96	173	121359	46.09	ug/l #	100
73) Isopropylbenzene	10.17	105	660151	48.66	ug/l	99
74) N-amyl acetate	10.01	43	282621	43.79	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	222870	49.02	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	188260m	48.39	ug/l	
77) Bromobenzene	10.45	156	172863	50.33	ug/l	92
78) n-propylbenzene	10.59	91	749303	46.88	ug/l	97
79) 2-Chlorotoluene	10.66	91	450548	47.80	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	569412	48.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	66538m	39.58	ug/l	
82) 4-Chlorotoluene	10.78	91	521756	47.56	ug/l	99
83) tert-Butylbenzene	11.10	119	571497	50.52	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	583853	48.72	ug/l	100
85) sec-Butylbenzene	11.33	105	690569	48.77	ug/l	98
86) p-Isopropyltoluene	11.48	119	615746	48.55	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	314708	49.59	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	317716	49.74	ug/l	99
89) n-Butylbenzene	11.89	91	516968	45.92	ug/l	96
90) Hexachloroethane	12.15	117	107082	43.28	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	331136	52.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	59178	47.17	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	230315	58.68	ug/l	99
94) Hexachlorobutadiene	13.70	225	114499	51.83	ug/l	100
95) Naphthalene	13.74	128	759729	58.35	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	243167	62.17	ug/l	98

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

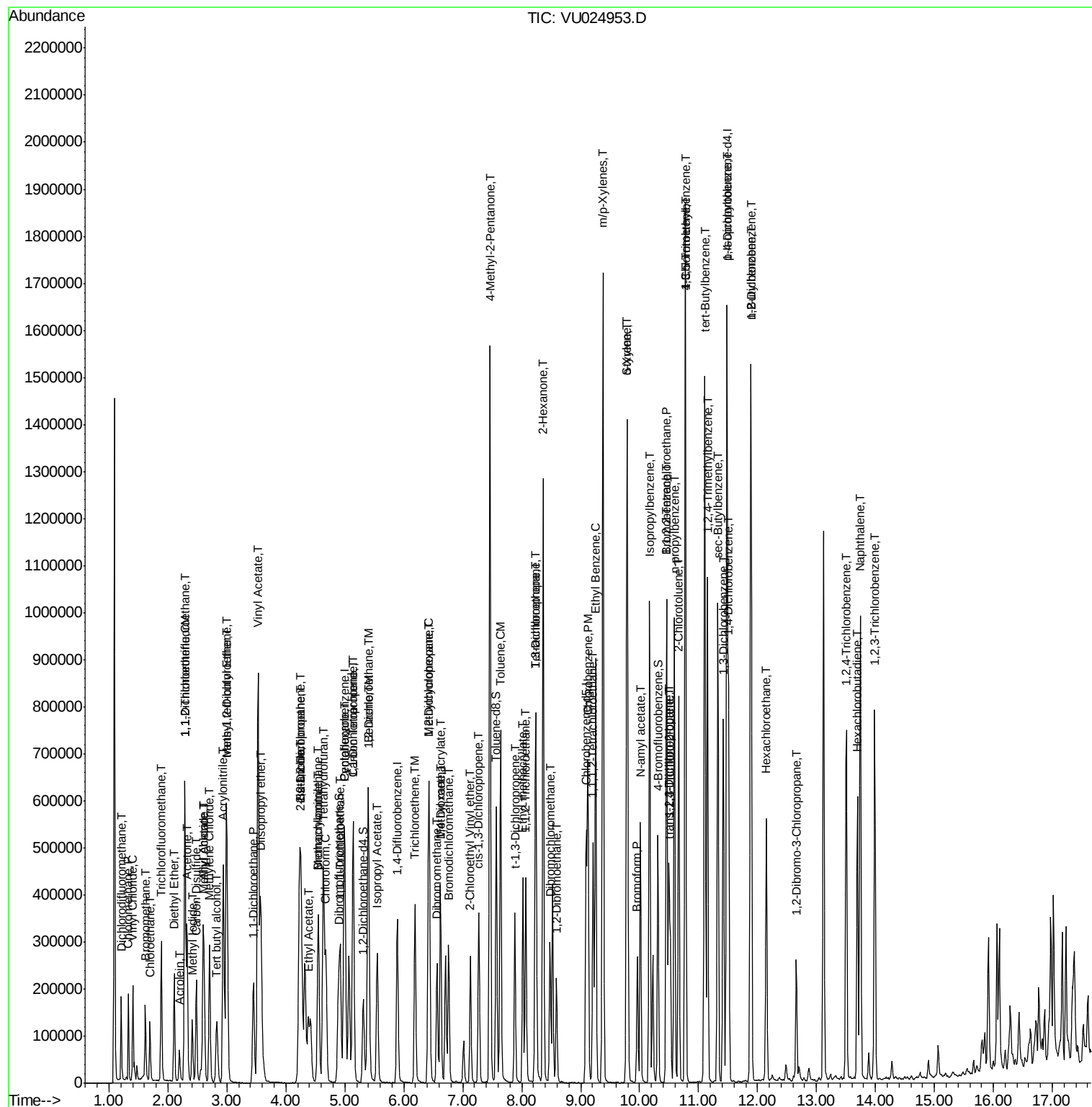
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Data File : VU024953.D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 202274

Ion Ratio Lower Upper

168 100

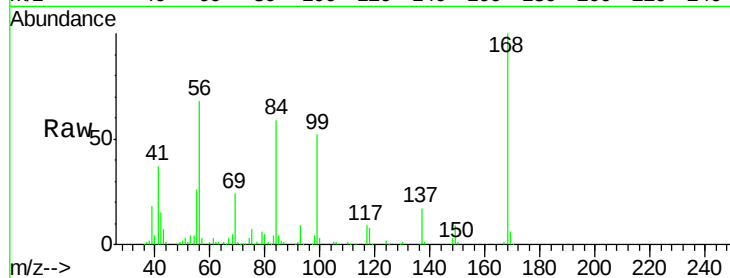
99 51.9 43.2 64.8

Manual Integrations

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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

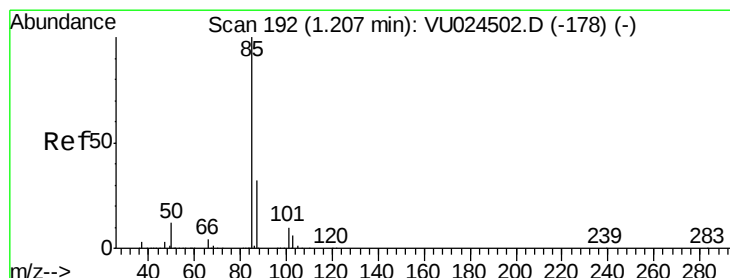
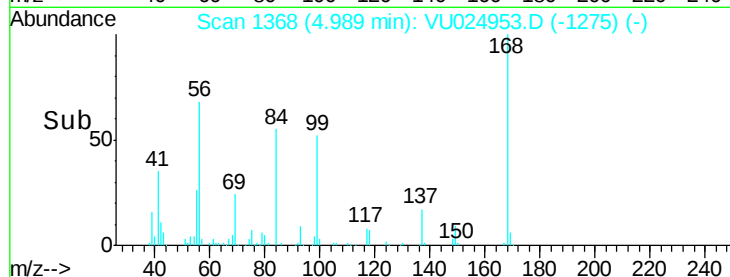
4.90

4.99

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.32 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024953.D

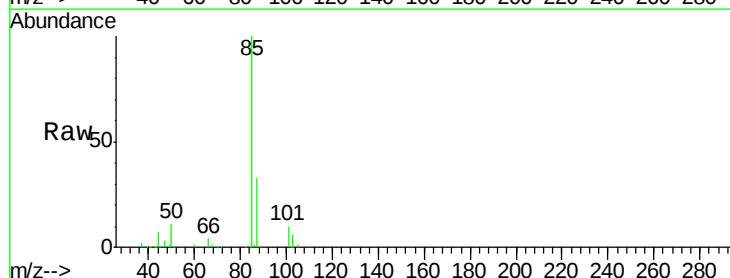
Acq: 27 Jun 2018 04:47

Tgt Ion: 85 Resp: 102090

Ion Ratio Lower Upper

85 100

87 32.5 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

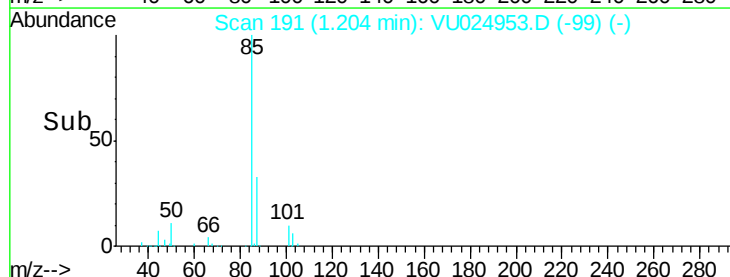
0

1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 44.10 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 114065

Ion Ratio Lower Upper

50 100

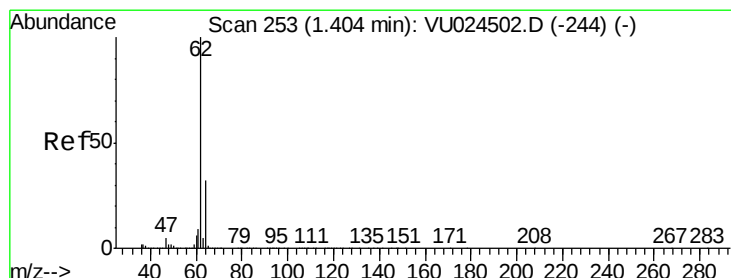
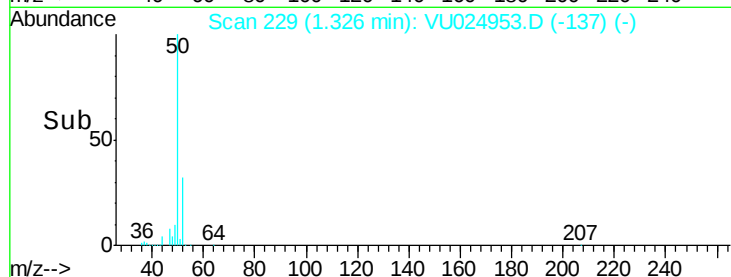
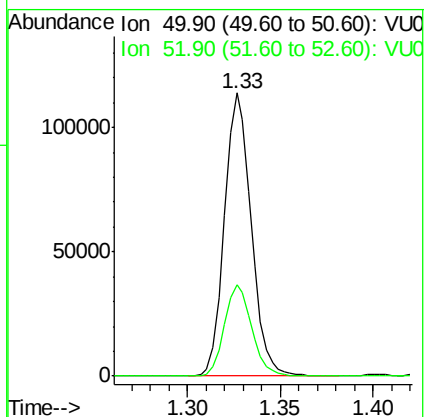
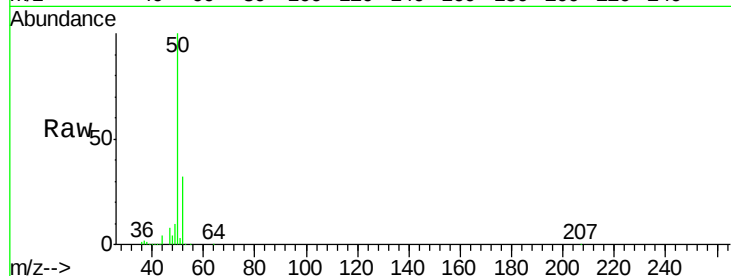
52 32.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.37 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024953.D

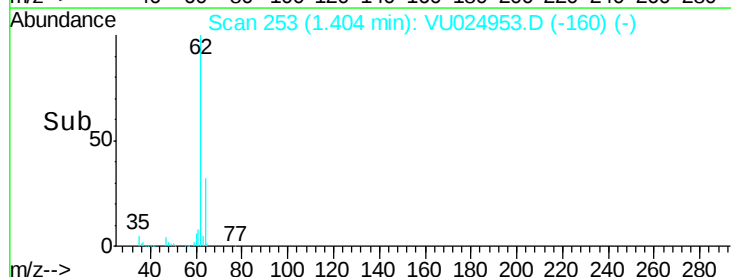
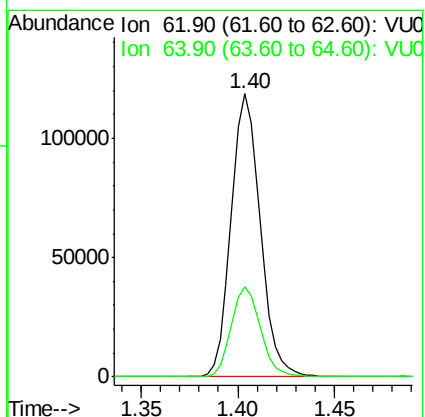
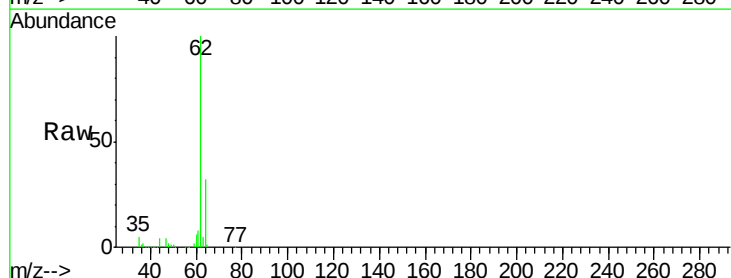
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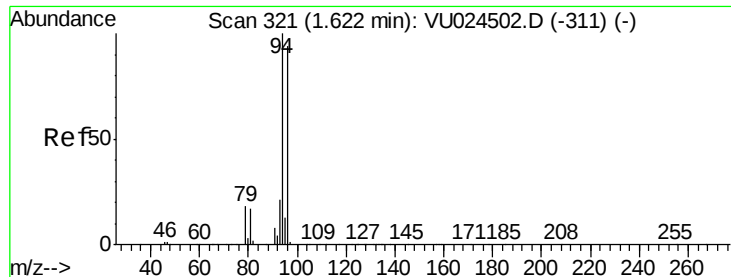
Tgt Ion: 62 Resp: 123702

Ion Ratio Lower Upper

62 100

64 31.8 24.8 37.2





#5

Bromomethane

Concen: 52.88 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

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Tot Ion: 94 Resp: 68190

Ion Ratio Lower Upper

94 100

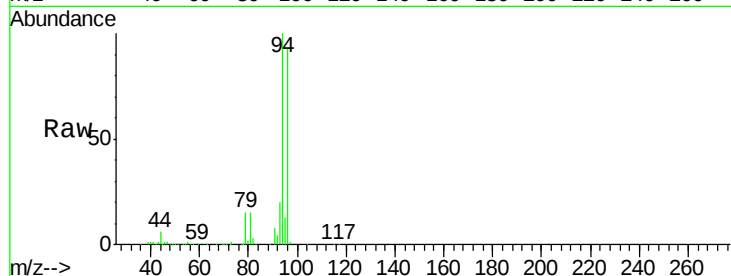
96 92.8 74.5 111.7

Manual Integrations

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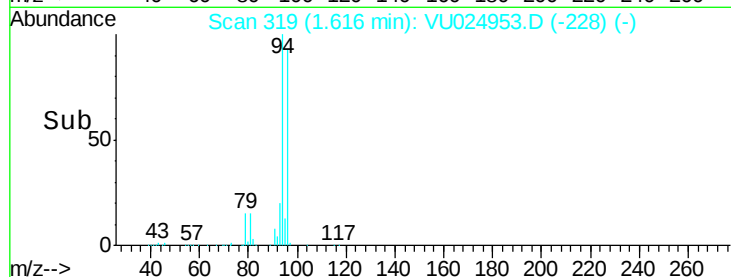


Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

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

1.62

Time-->

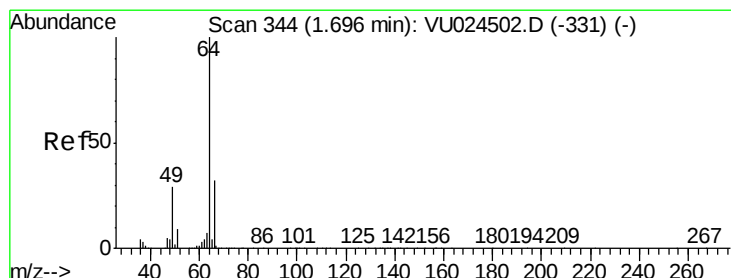


Abundance Ion 93.90 (93.60 to 94.60): VU024953.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU024953.D (-228) (-)

1.62

Time-->



#6

Chloroethane

Concen: 53.21 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024953.D

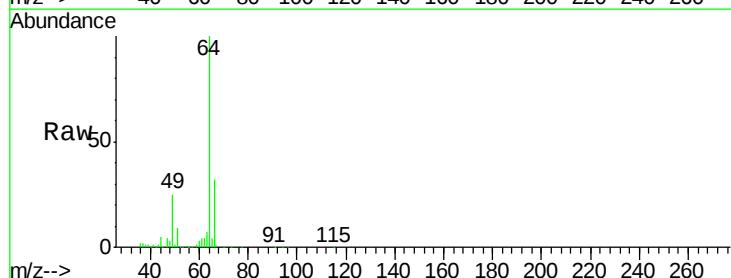
Acq: 27 Jun 2018 04:47

Tgt Ion: 64 Resp: 79214

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3

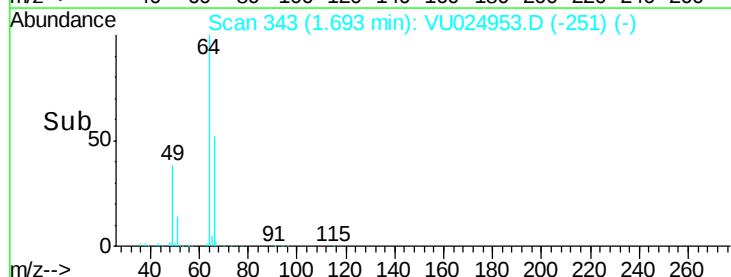


Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

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

1.69

Time-->



Abundance Ion 63.90 (63.60 to 64.60): VU024953.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU024953.D (-251) (-)

1.69

Time-->



#7

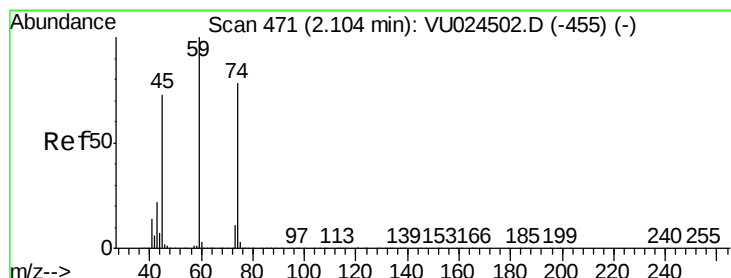
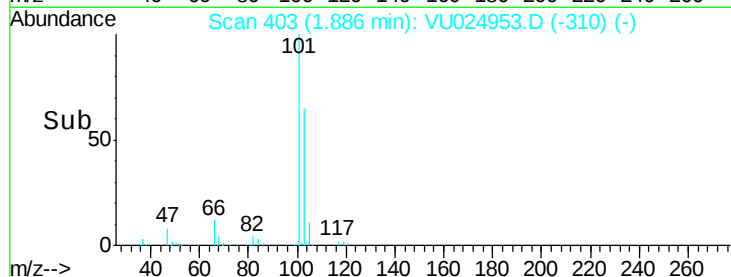
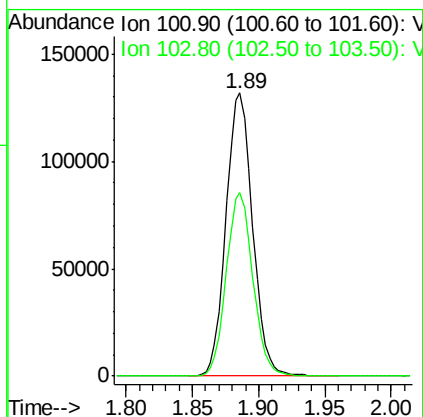
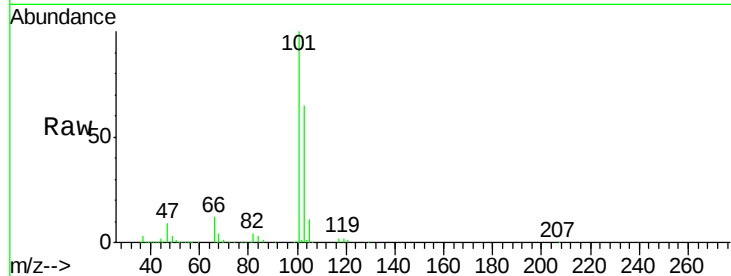
Trichlorofluoromethane
 Concen: 45.15 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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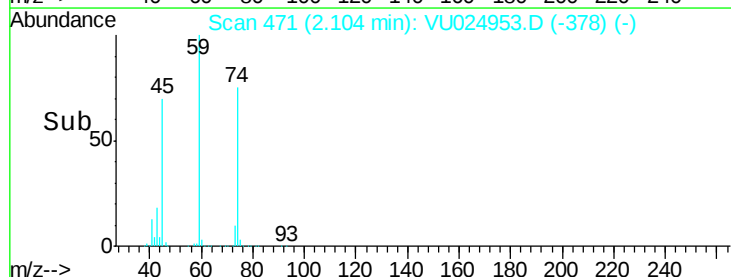
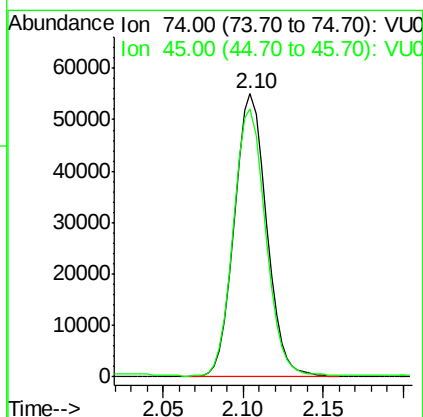
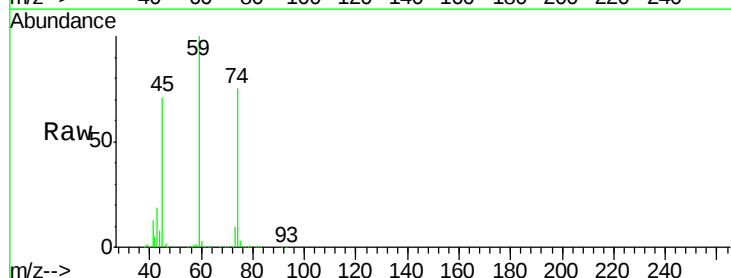
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 6/28/2018 4:37:00 PM



#8

Diethyl Ether
 Concen: 54.49 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.57 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

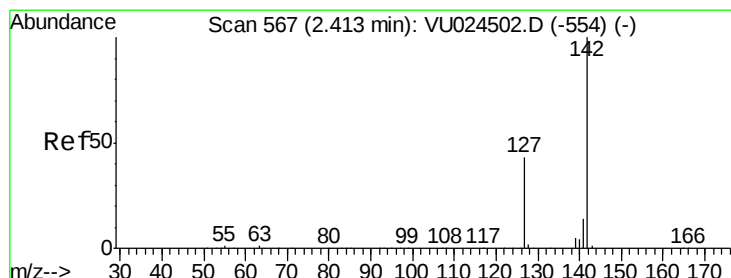
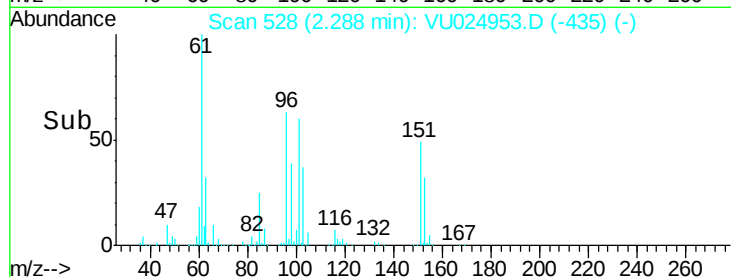
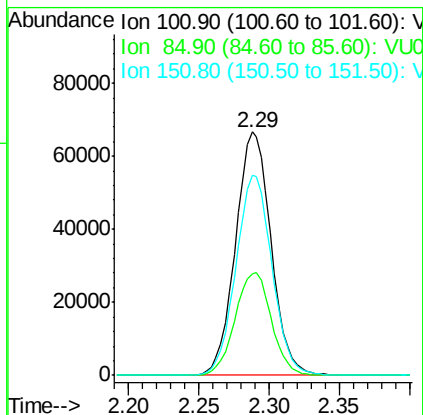
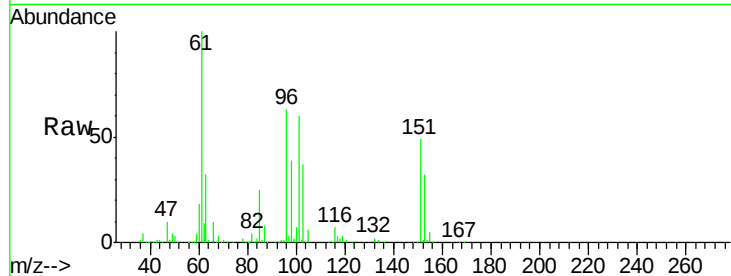
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	117620
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.0	54.0
151	83.7	62.3	93.5

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#10

Methyl Iodide

Concen: 58.05 ug/l

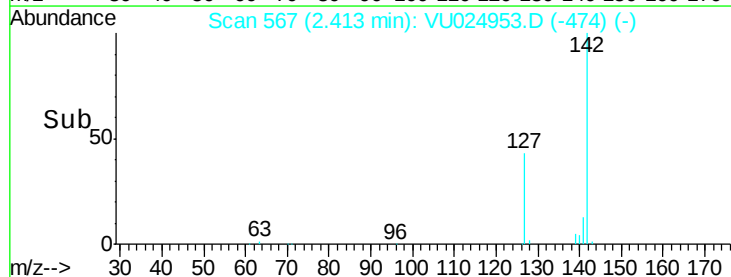
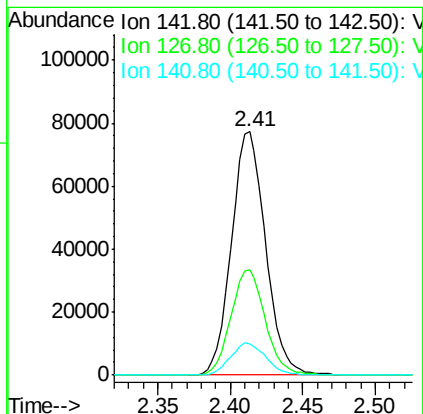
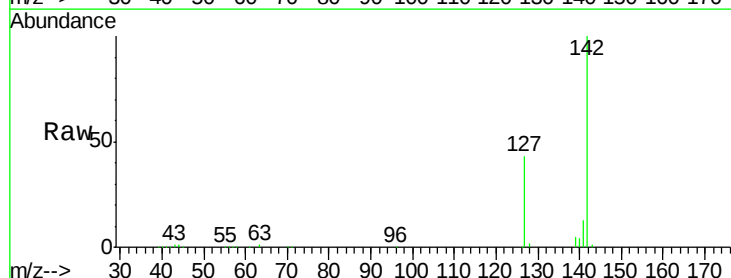
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	142	Resp:	126115
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.6	53.4
141	13.7	11.7	17.5





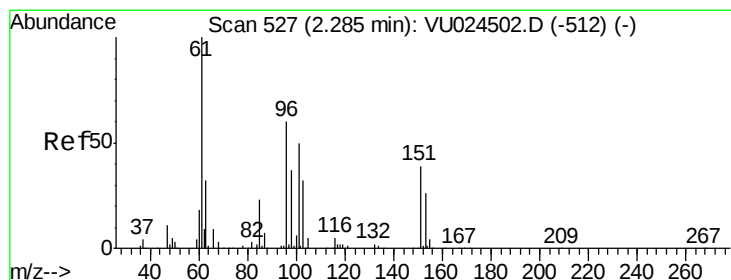
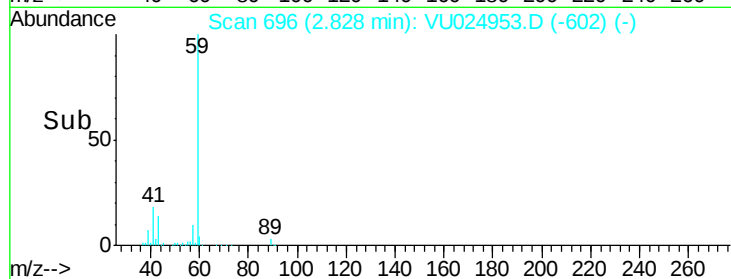
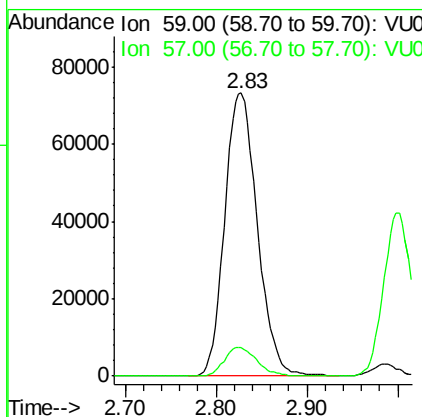
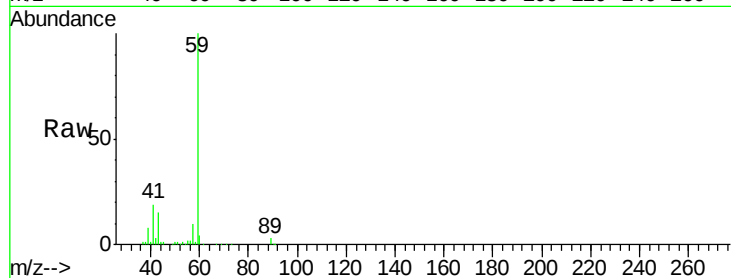
#11
Tert butyl alcohol
Concen: 227.14 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	182419		
57	57	10.3		8.5	12.7

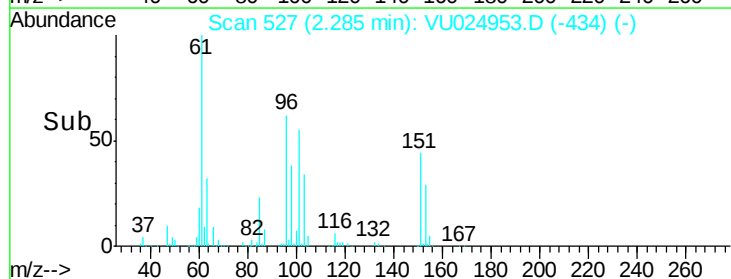
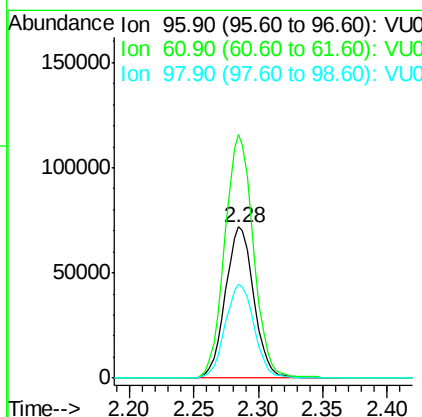
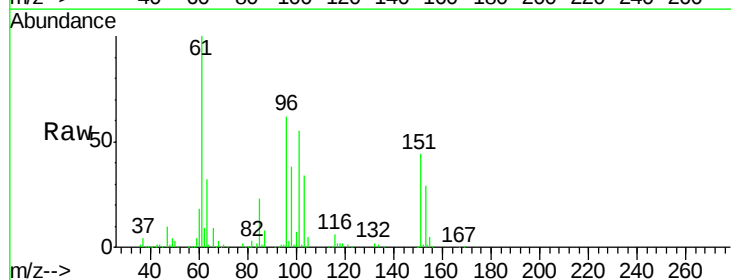
Manual Integrations
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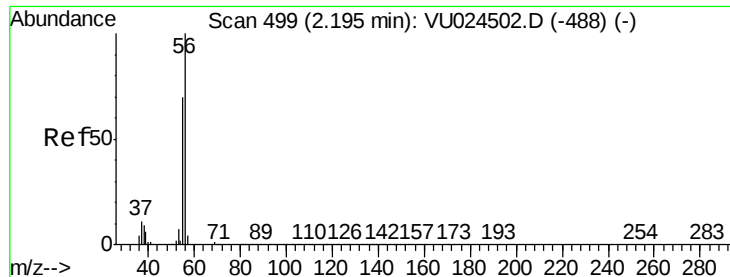
MMDadoda
6/28/2018 4:37:00 PM



#12
1,1-Dichloroethene
Concen: 47.79 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	110076		
61	61	161.3		141.7	212.5
98	98	62.1		51.6	77.4





#13

Acrolein

Concen: 109.58 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 46215

Ion Ratio Lower Upper

56 100

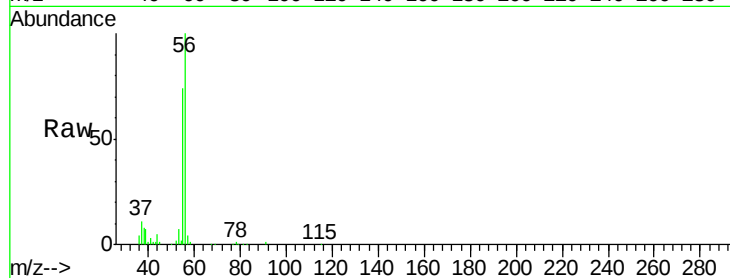
55 71.5 58.4 87.6

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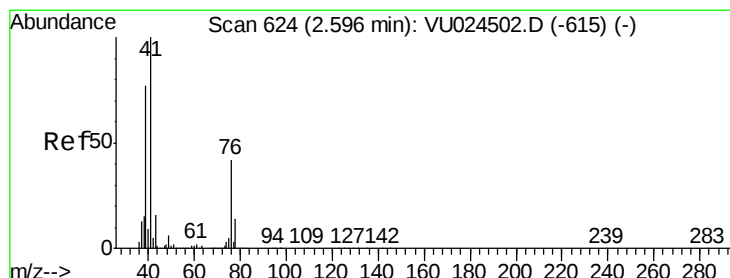
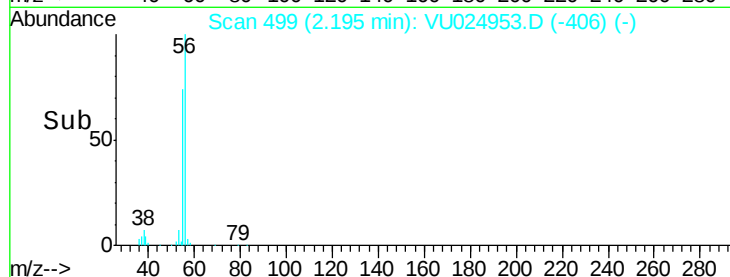
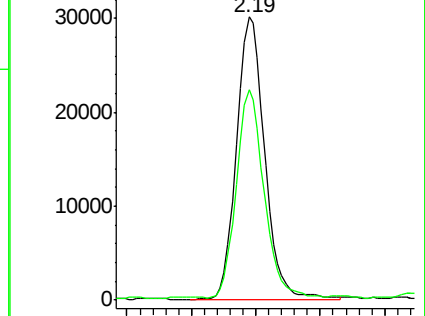
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 43.06 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

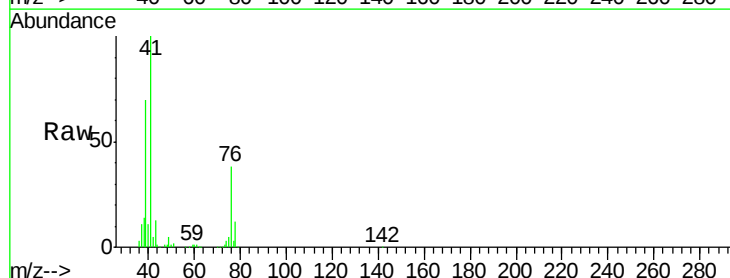
Tgt Ion: 41 Resp: 184149

Ion Ratio Lower Upper

41 100

39 70.7 61.6 92.4

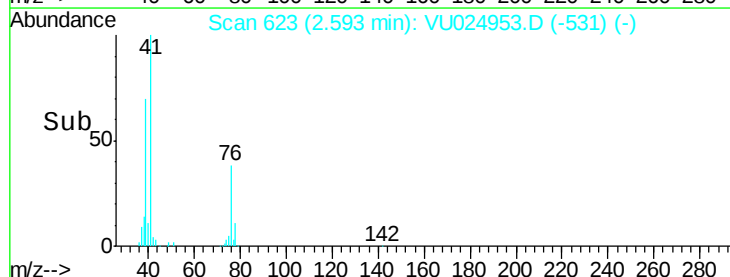
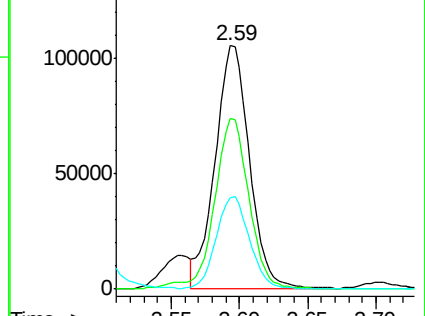
76 37.1 29.7 44.5



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





#15

Acrylonitrile

Concen: 238.16 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

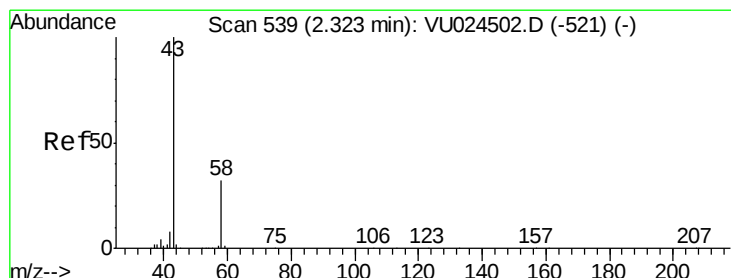
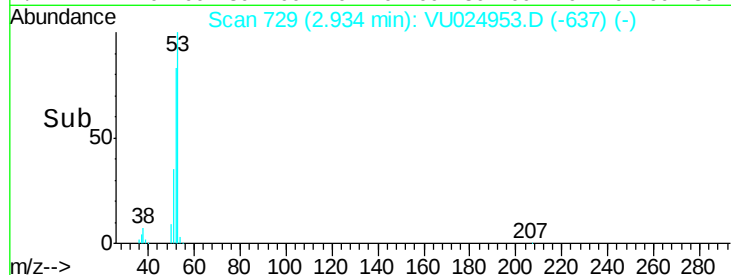
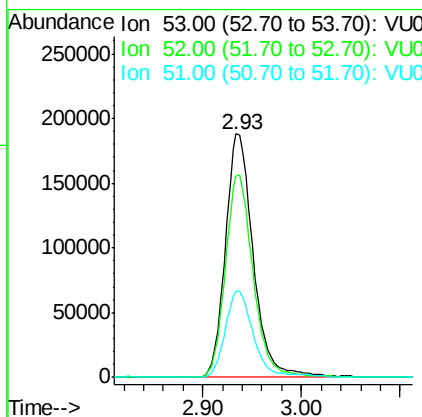
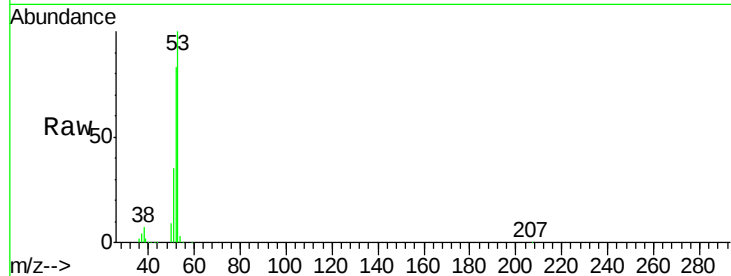
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	372142
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	36.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 189.66 ug/l

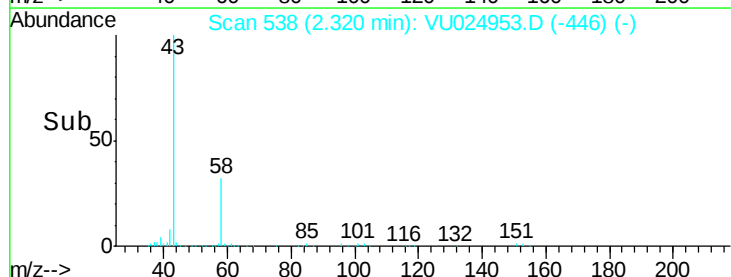
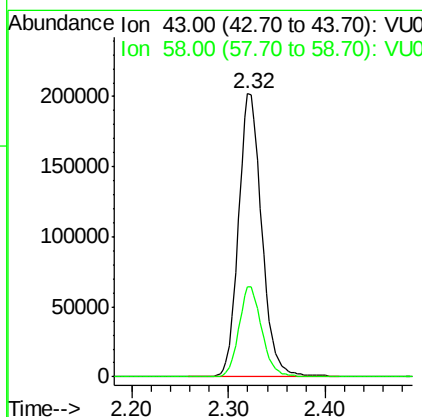
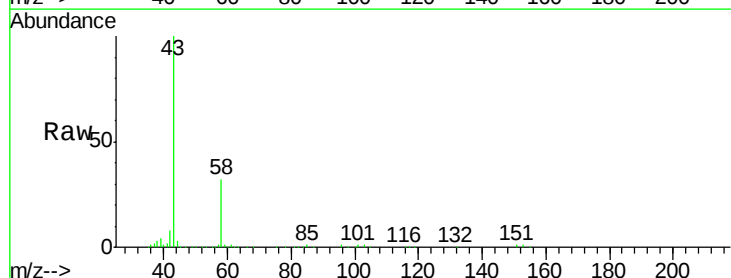
RT: 2.32 min Scan# 538

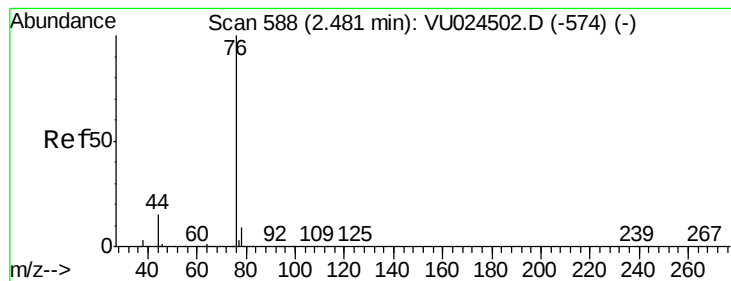
Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	43	Resp:	336501
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6





#17

Carbon Disulfide

Concen: 37.17 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 274091

Ion Ratio Lower Upper

76 100

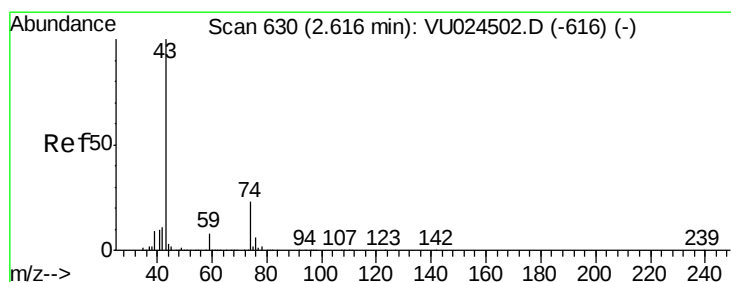
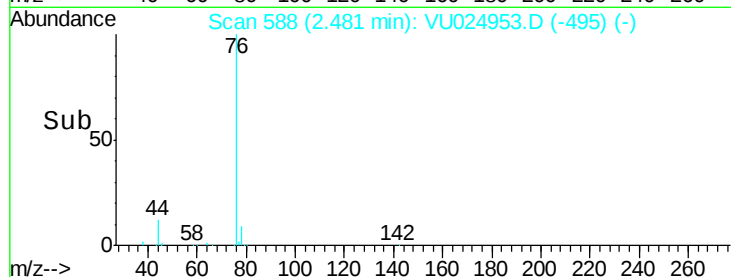
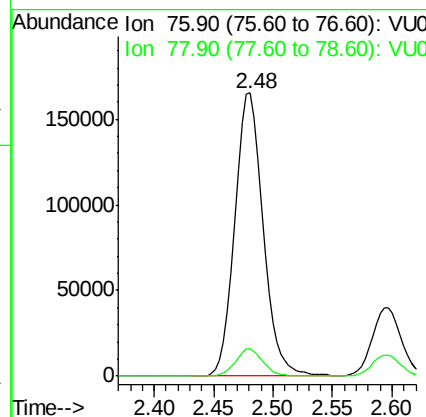
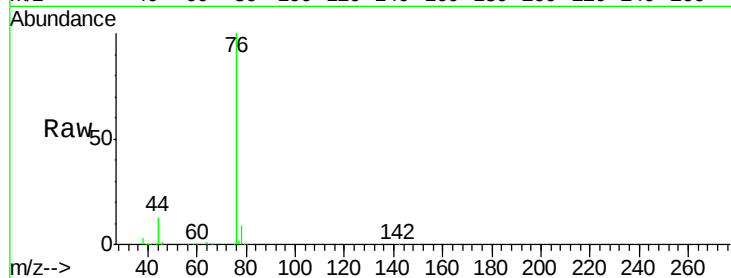
78 9.5 7.1 10.7

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#18

Methyl Acetate

Concen: 55.12 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024953.D

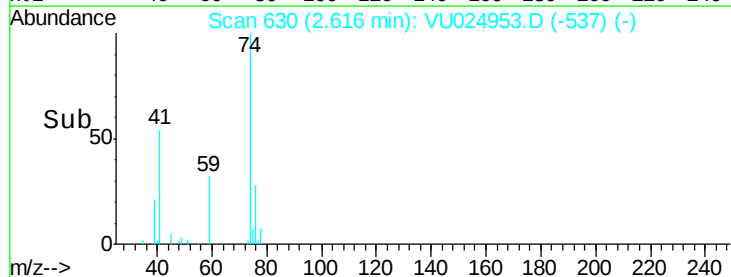
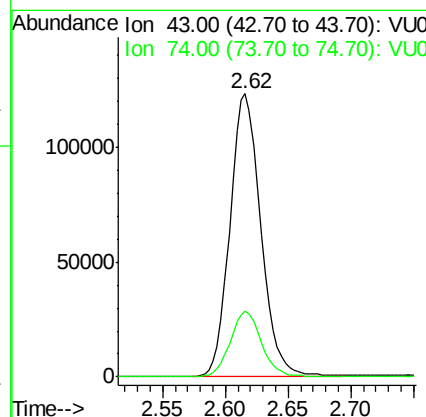
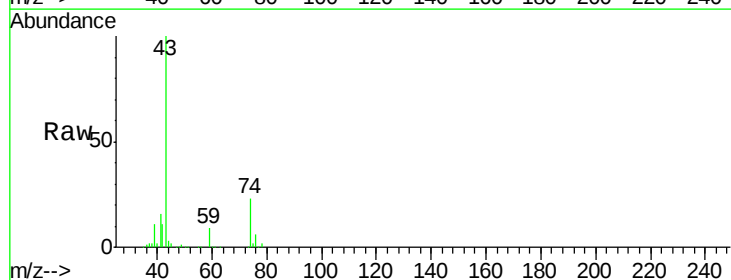
Acq: 27 Jun 2018 04:47

Tgt Ion: 43 Resp: 209665

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0





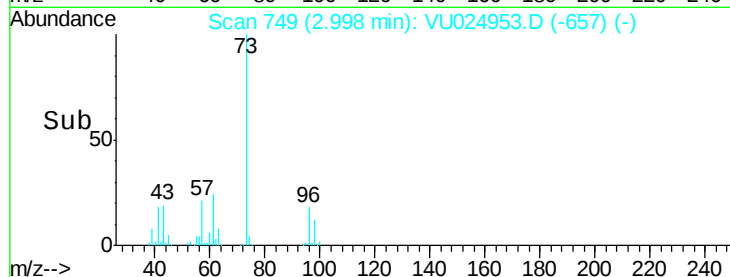
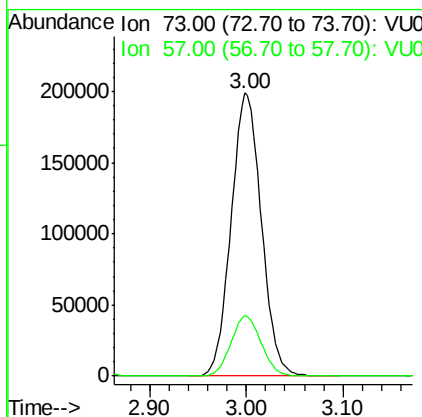
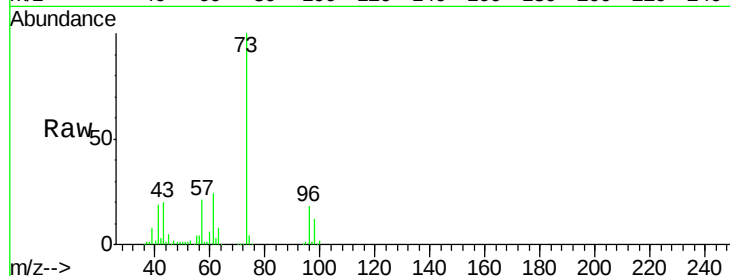
#19
Methvl tert-butvl Ether
Concen: 49.81 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

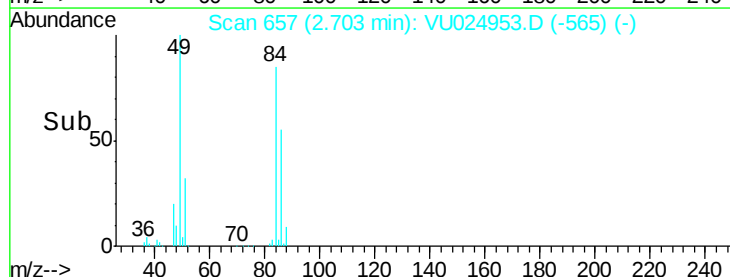
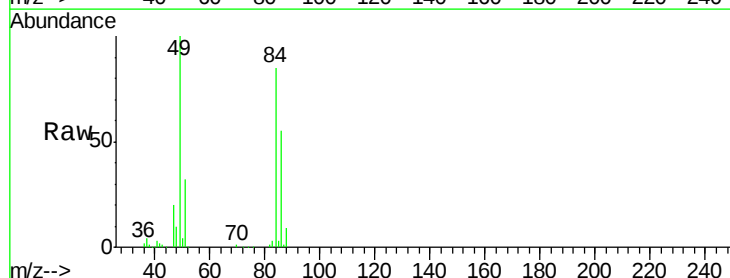
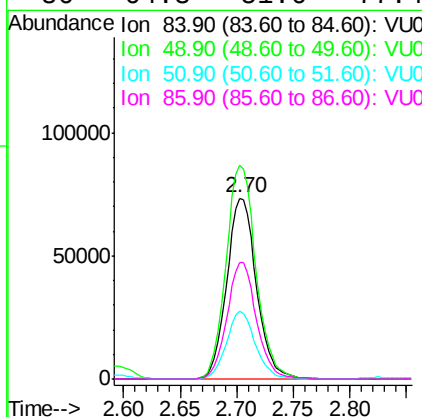
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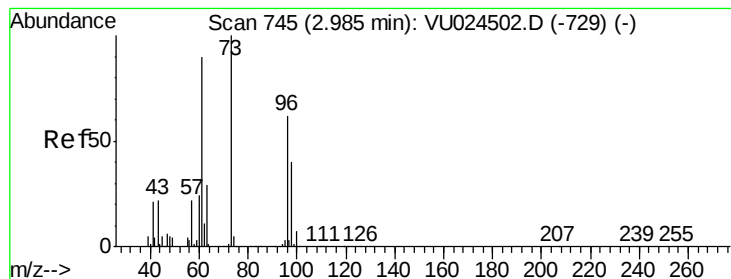
MMDadoda
6/28/2018 4:37:00 PM



#20
Methylene Chloride
Concen: 48.26 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.0	103.8	155.8
51	37.5	32.0	48.0
86	64.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 45.60 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

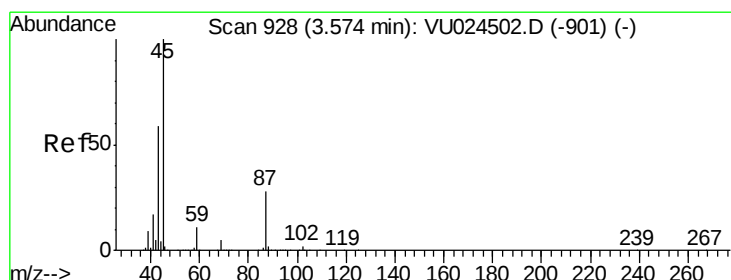
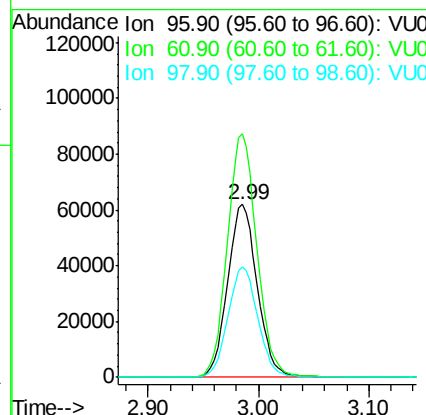
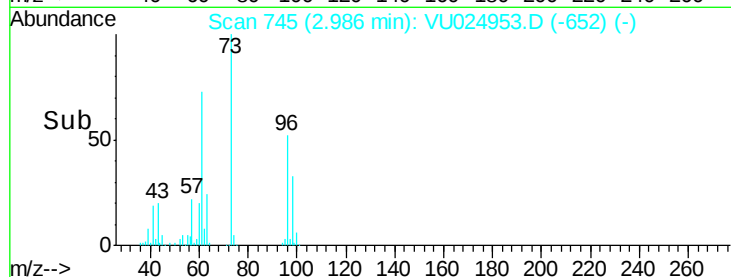
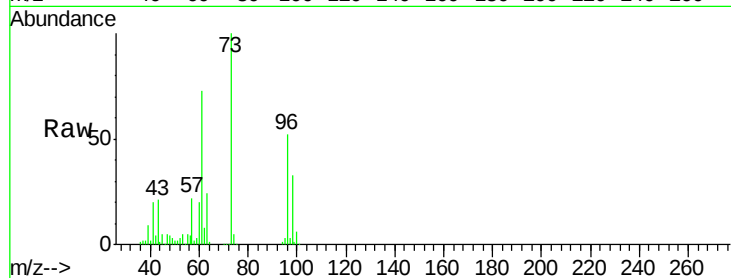
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	115676
Ion Ratio	Lower	Upper	
96	100		
61	140.7	119.4	179.0
98	63.8	51.1	76.7

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#22

Diisopropyl ether

Concen: 47.66 ug/l

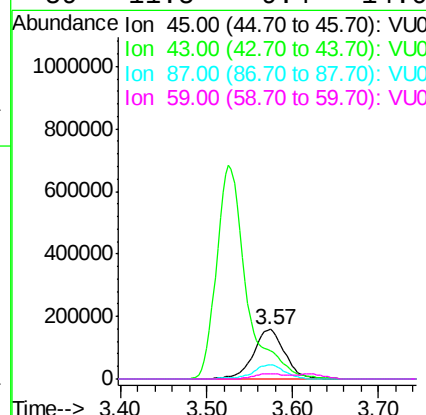
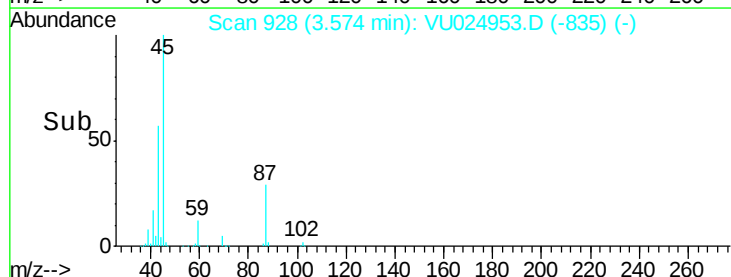
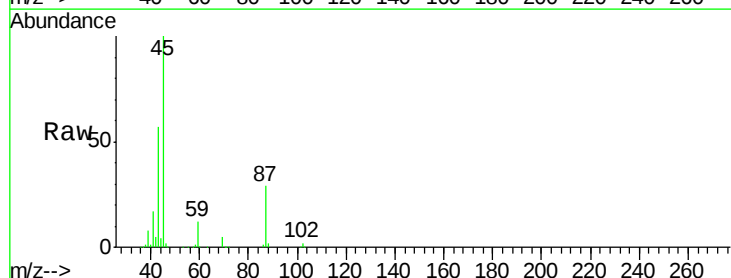
RT: 3.57 min Scan# 928

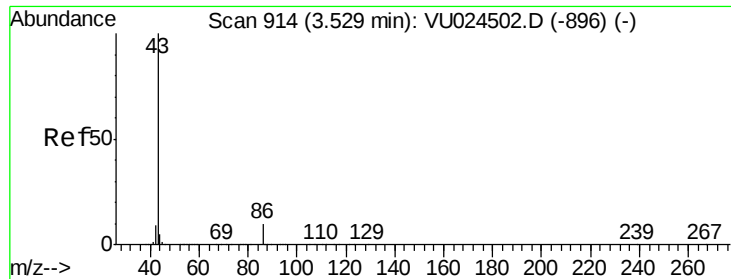
Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	45	Resp:	404016
Ion Ratio	Lower	Upper	
45	100		
43	55.9	45.8	68.6
87	29.1	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 218.44 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tot Ion: 43 Resp: 1658827

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

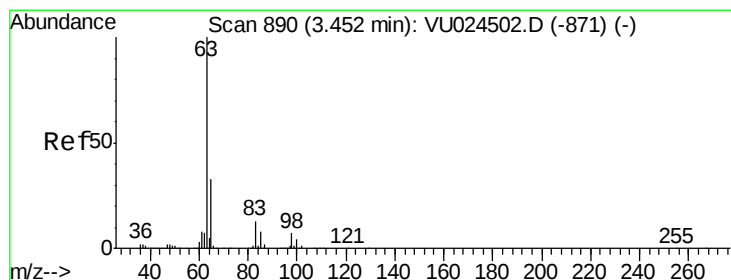
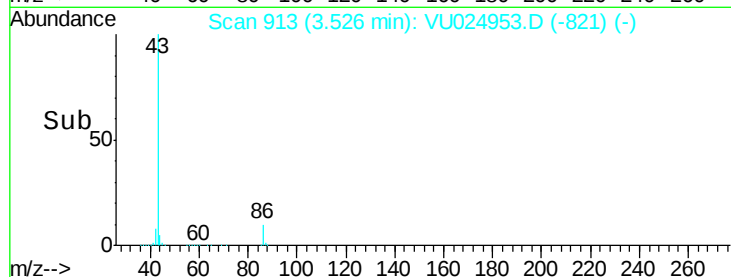
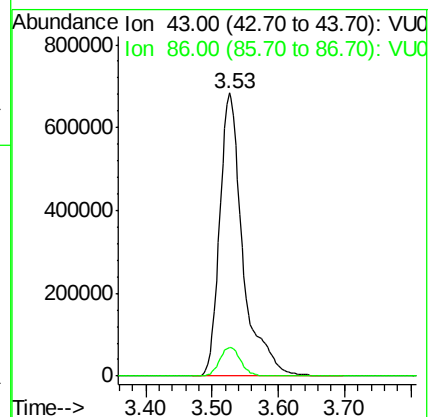
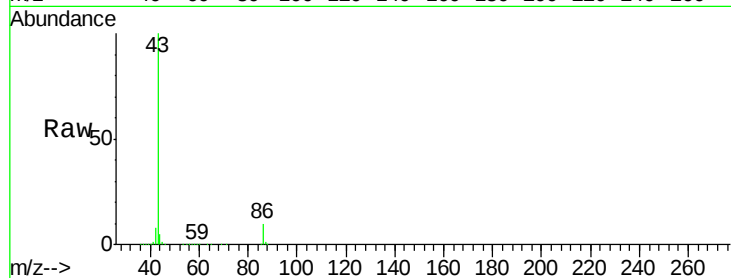
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.50 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

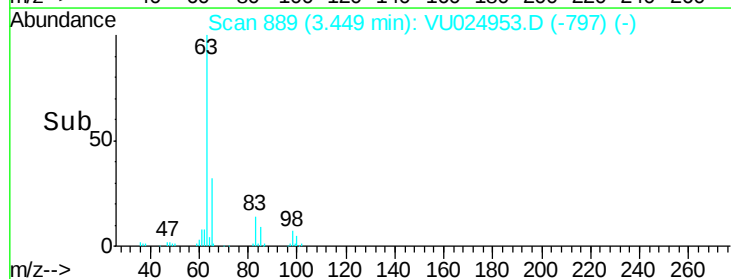
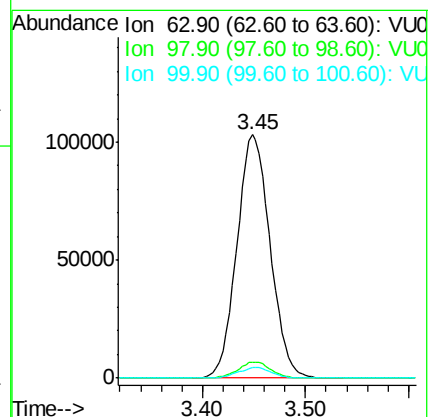
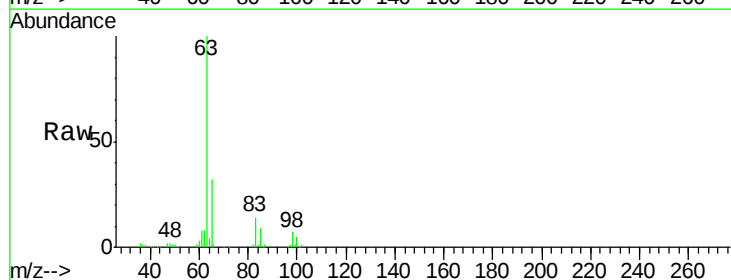
Tgt Ion: 63 Resp: 231659

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 1.8 5.5





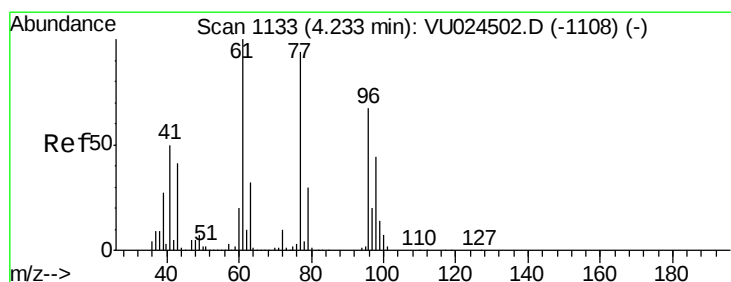
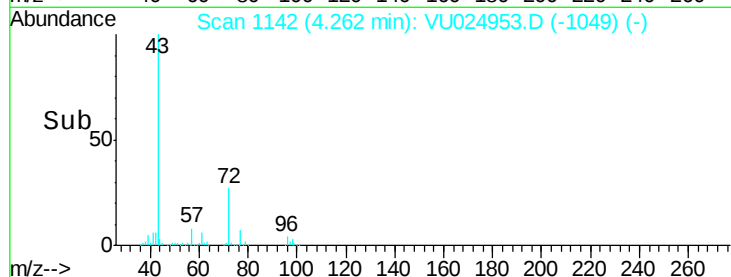
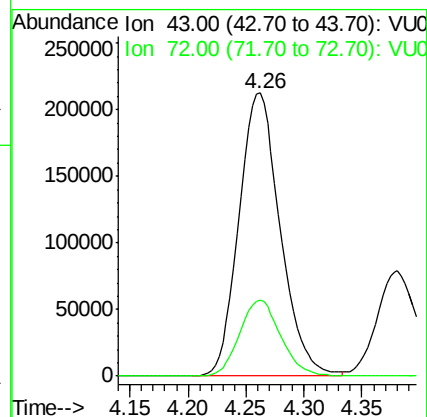
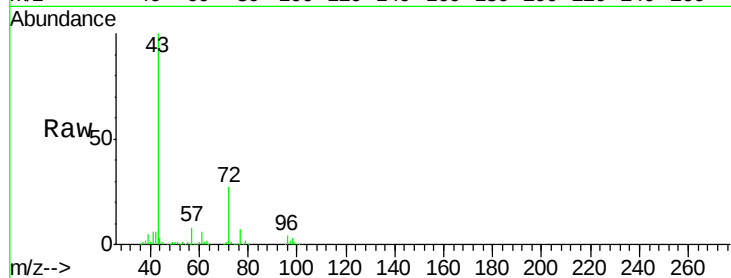
#25
2-Butanone
Concen: 219.22 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.6	29.4

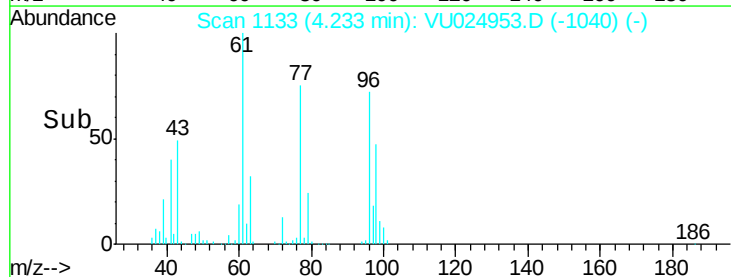
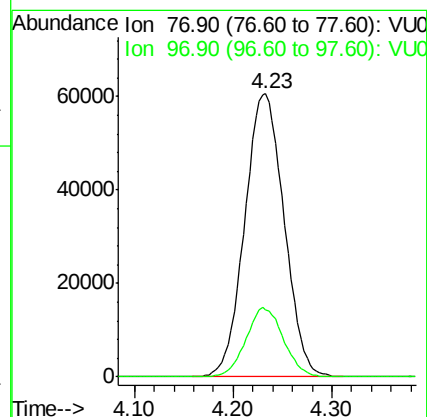
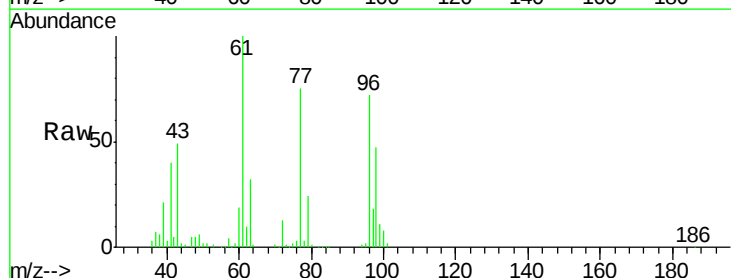
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 36.12 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 47.73 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

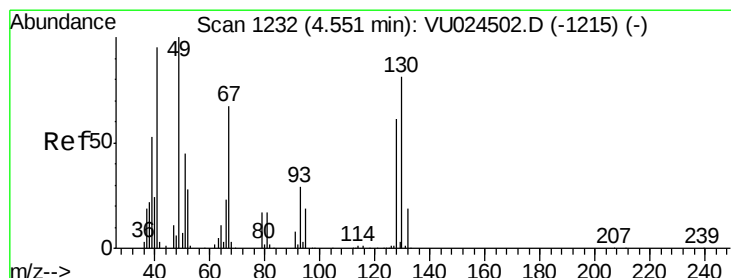
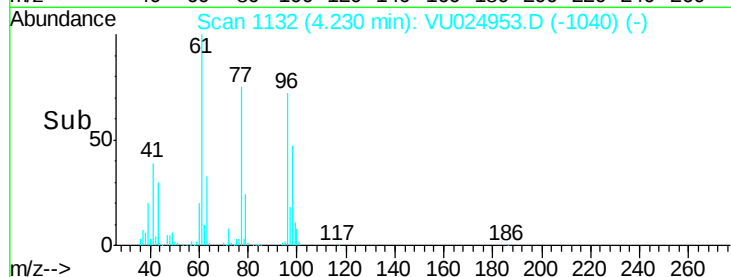
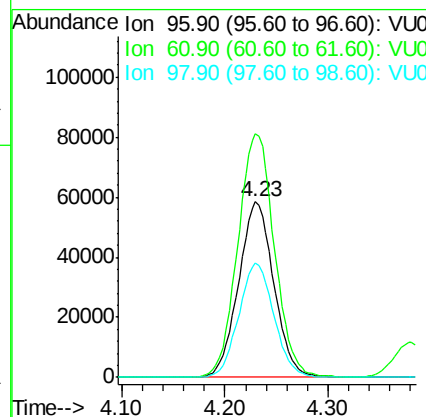
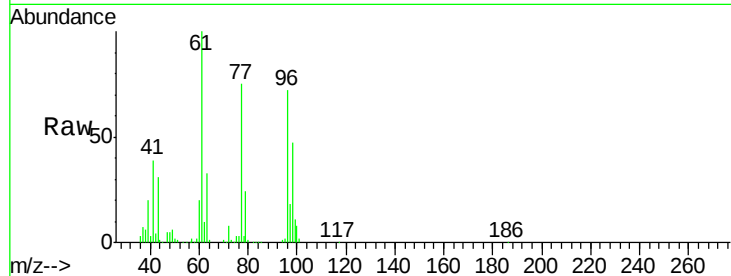
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	139189
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	306.6
98	64.8	0.0	128.8

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#28

Bromochloromethane

Concen: 45.30 ug/l

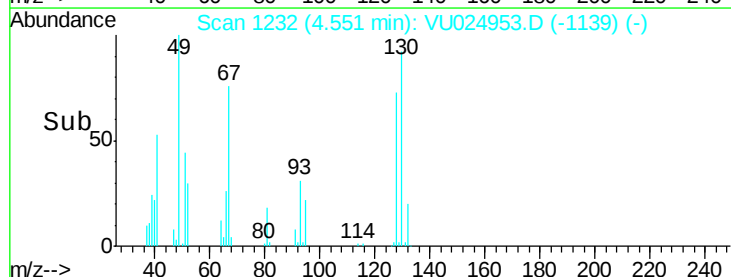
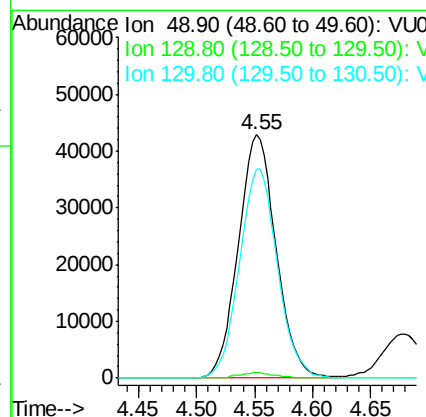
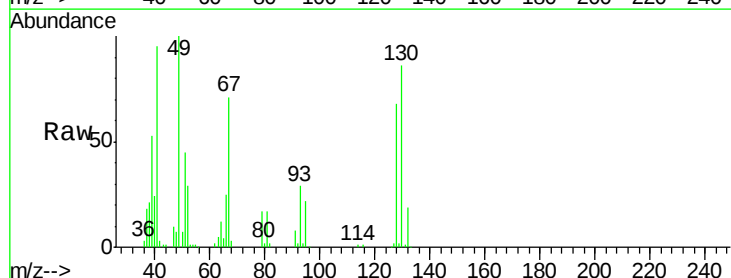
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	49	Resp:	97314
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	86.5	57.8	86.6





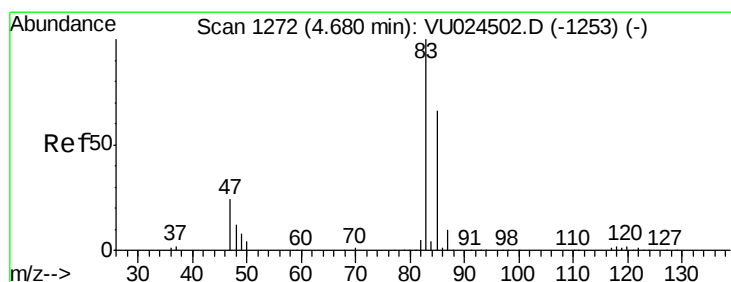
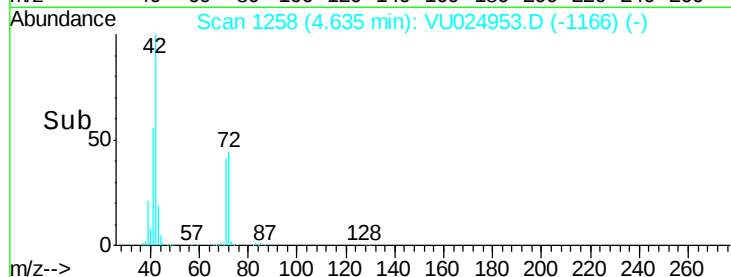
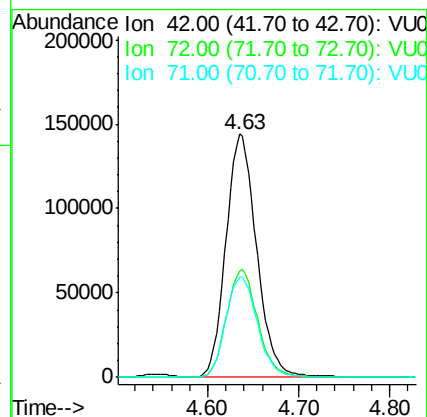
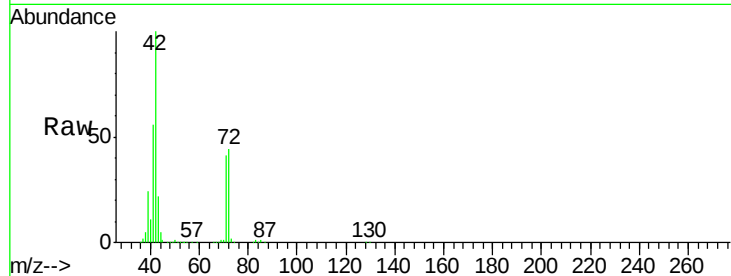
#29
Tetrahydrofuran
Concen: 227.67 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	42.8	32.2	48.4

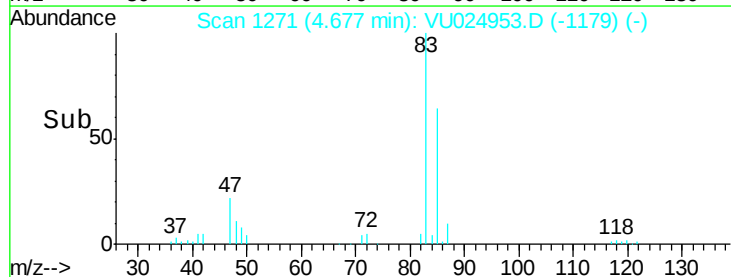
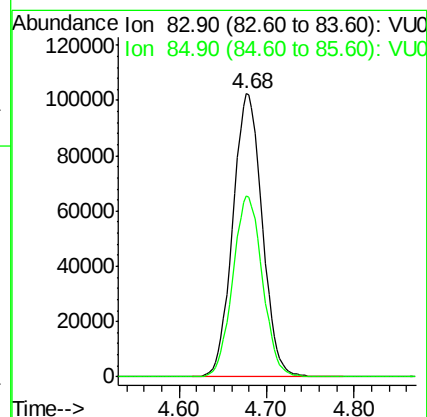
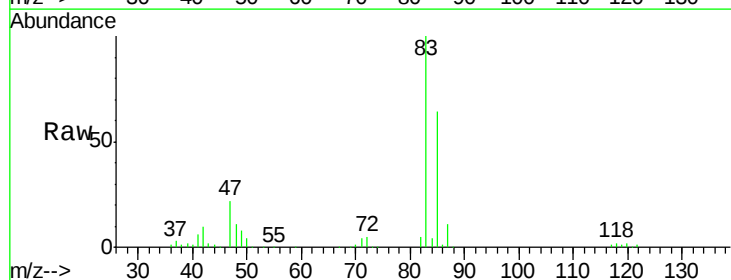
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#30
Chloroform
Concen: 48.47 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





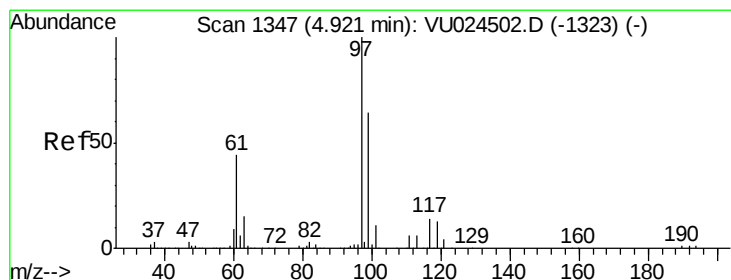
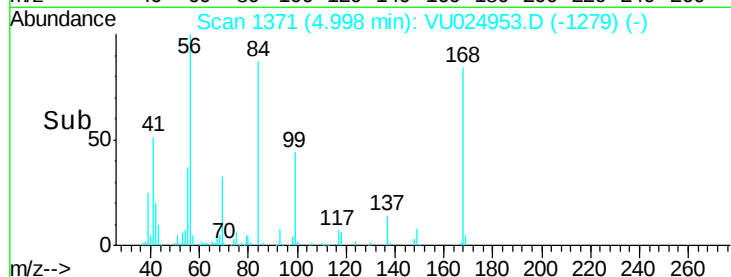
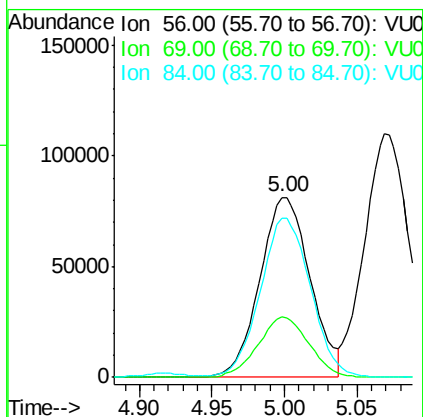
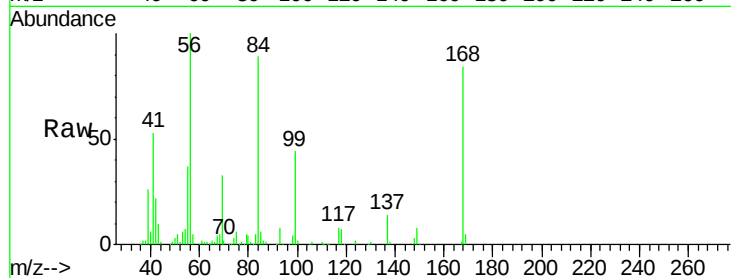
#31
Cyclohexane
Concen: 45.11 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.8	37.2
84	87.4	65.2	97.8

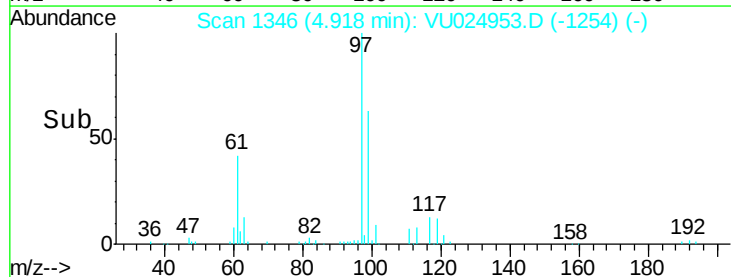
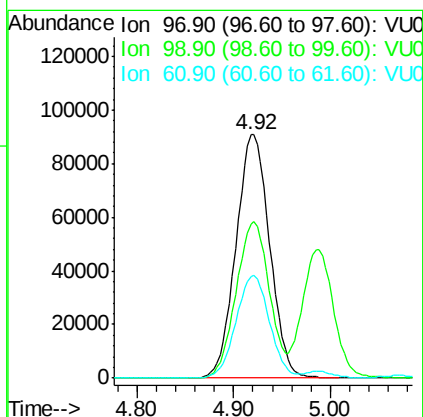
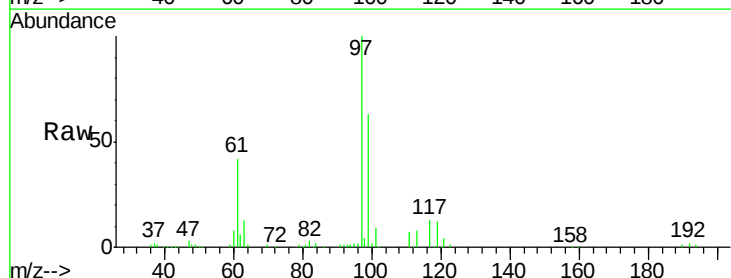
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#32
1,1,1-Trichloroethane
Concen: 48.16 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	42.0	39.4	59.0





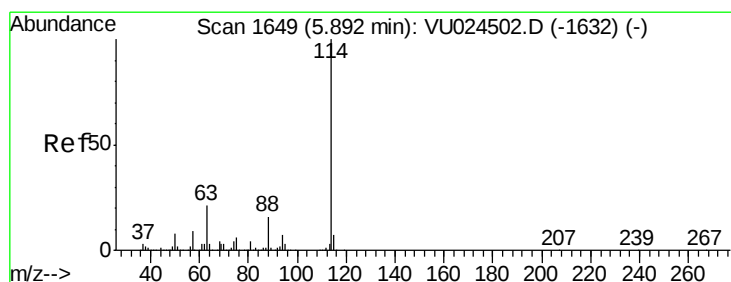
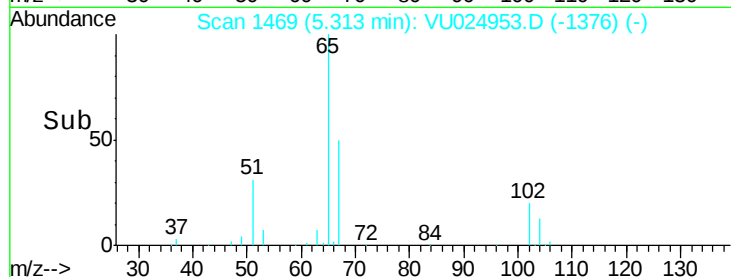
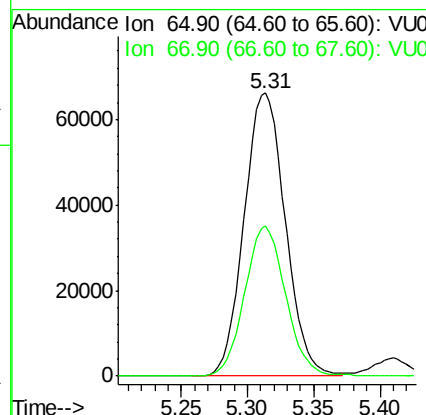
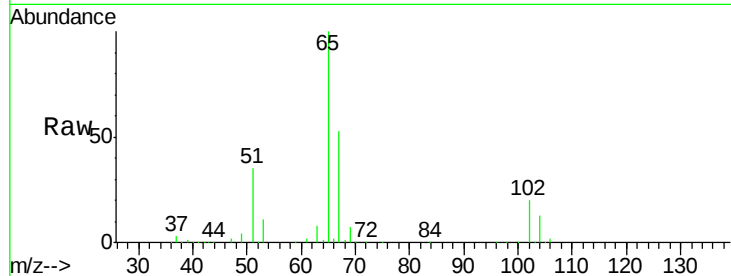
#33
 1,2-Dichloroethane-d4
 Concen: 43.41 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.0

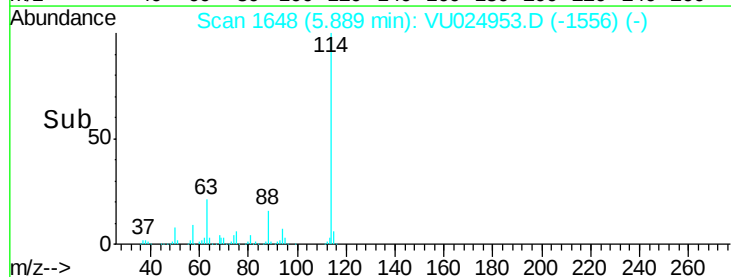
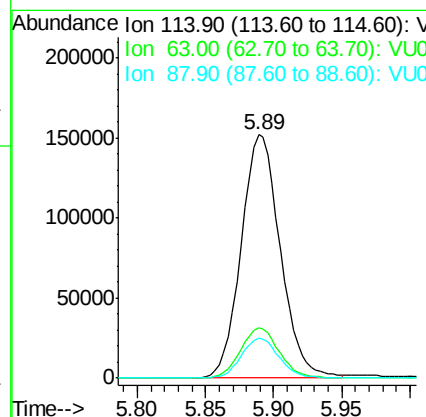
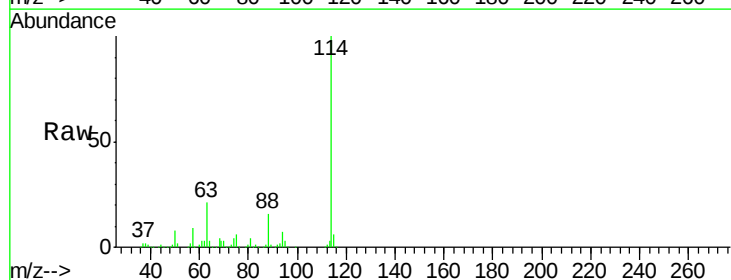
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	45.4
88	16.4	0.0	31.0





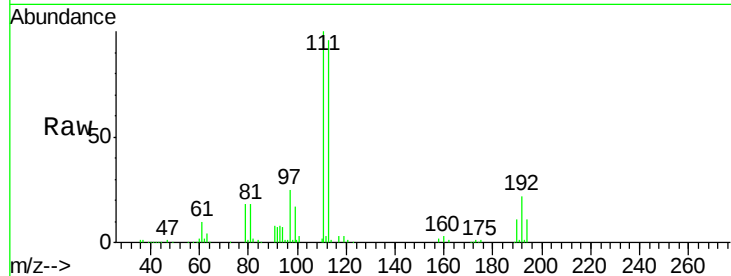
#35
 Dibromofluoromethane
 Concen: 46.52 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

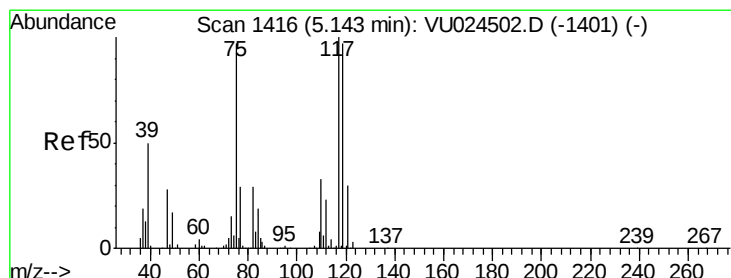
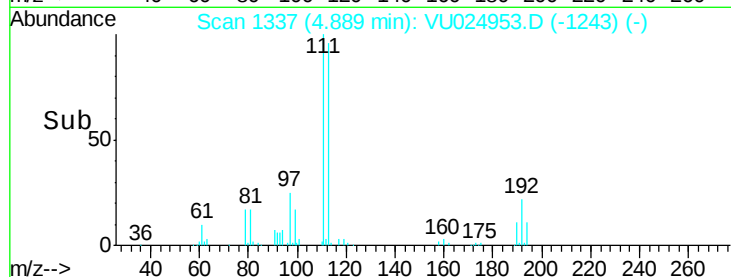
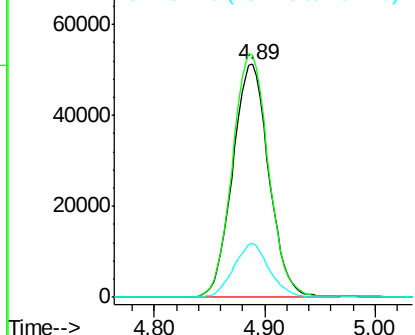
Tot Ion	Ratio	Resp	Lower	Upper
113	100	116701		
111	104.0	82.2	123.4	
192	22.6	16.2	24.4	

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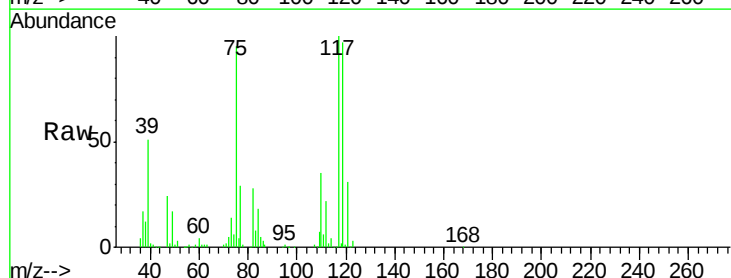


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

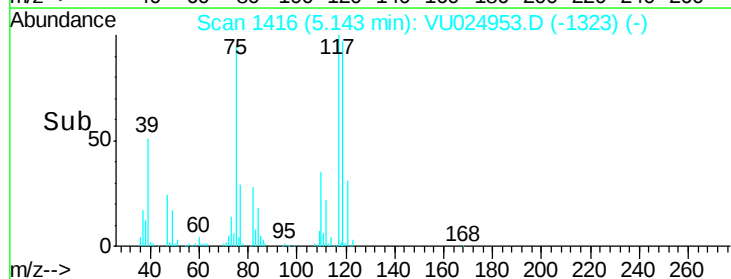
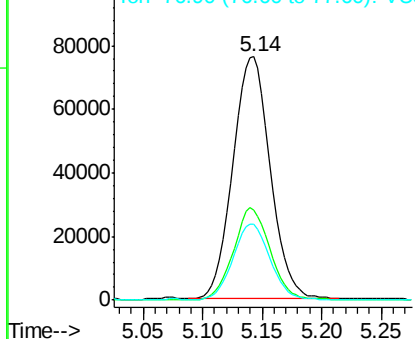


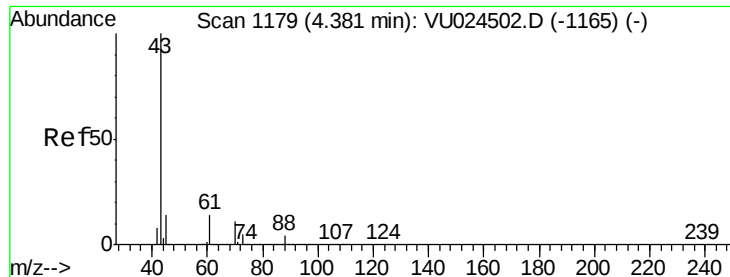
#36
 1,1-Dichloropropene
 Concen: 46.57 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165407		
110	37.6	17.0	50.9	
77	30.7	24.2	36.4	



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





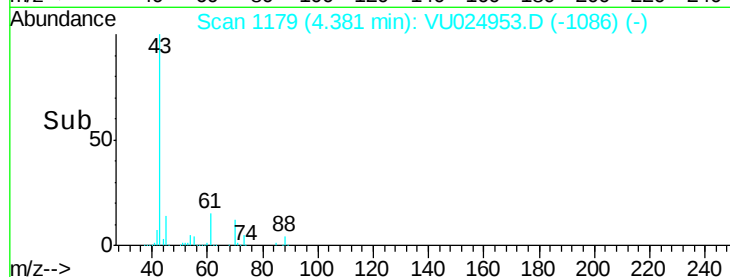
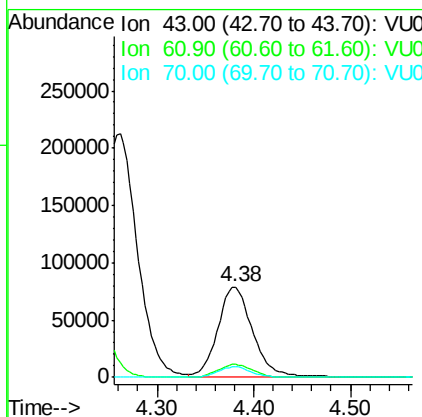
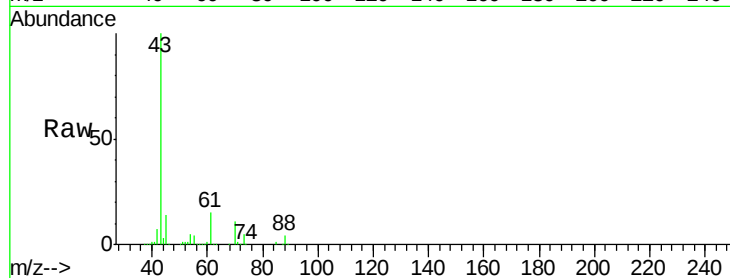
#37
Ethyl Acetate
Concen: 49.98 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	11.2	7.4	11.2#

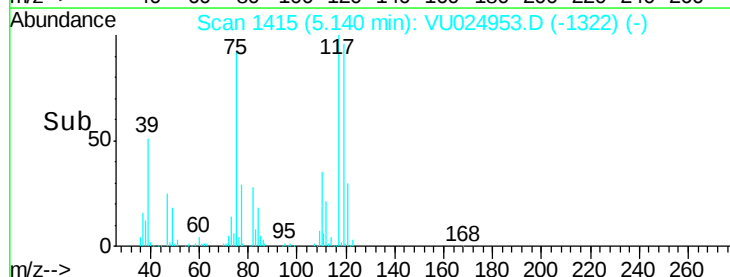
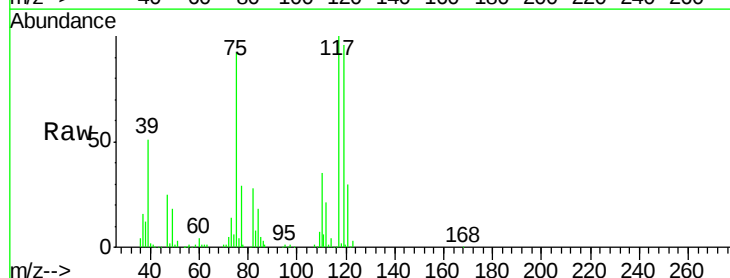
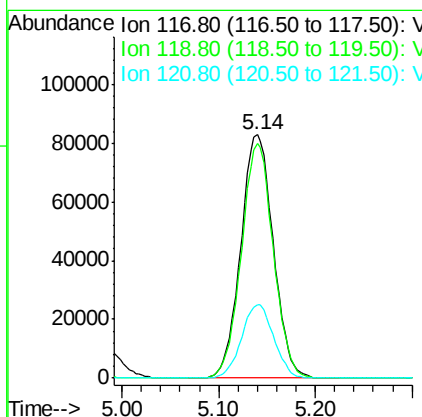
Manual Integrations
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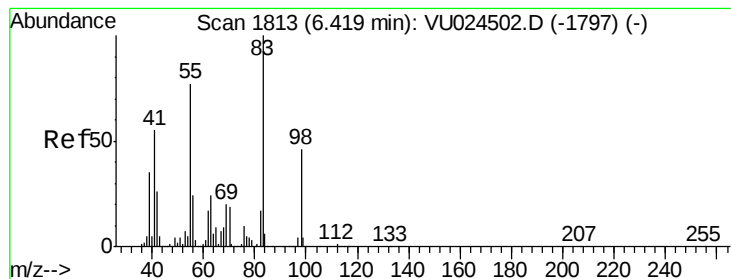
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#38
Carbon Tetrachloride
Concen: 49.48 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.1	114.1
121	30.3	23.7	35.5





#39

Methvlcvclohexane

Concen: 45.27 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

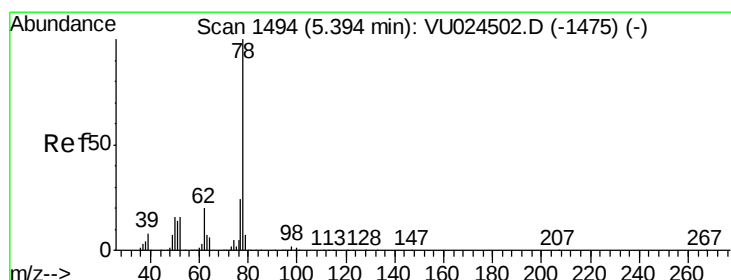
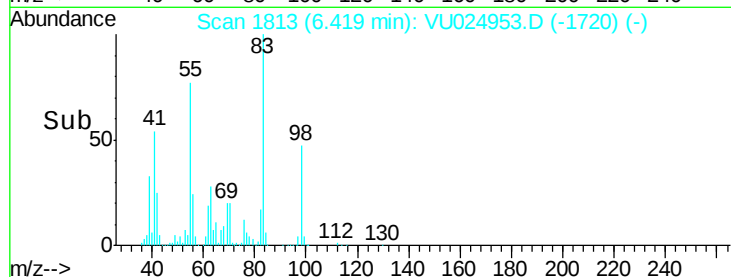
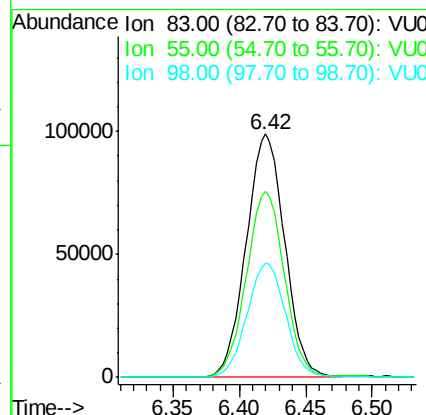
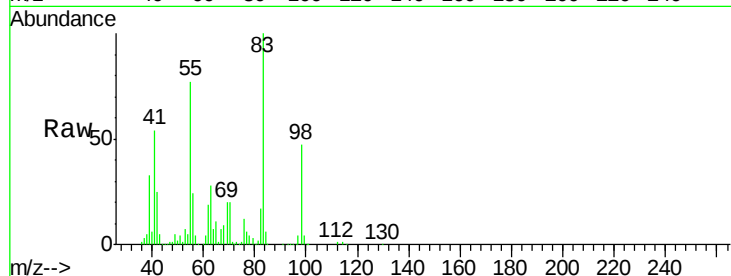
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200656
Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.8	98.6
98	47.1	36.7	55.1

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#40

Benzene

Concen: 49.35 ug/l

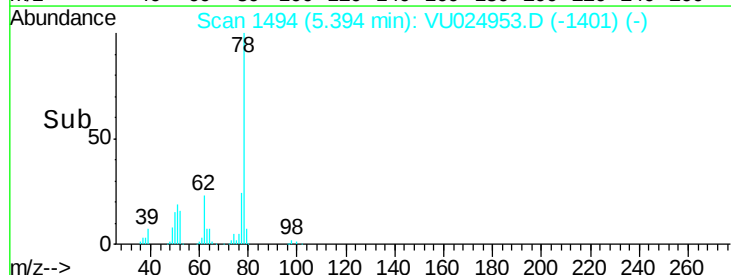
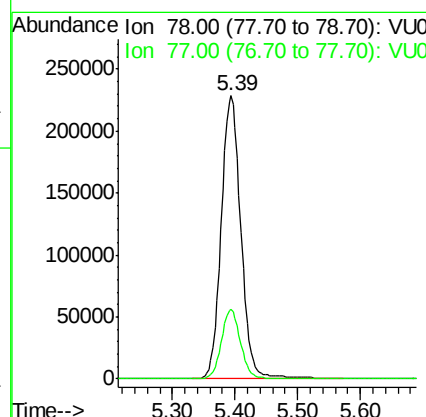
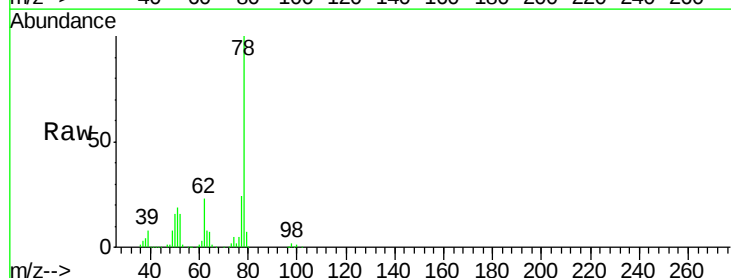
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	78	Resp:	499424
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.2	28.8





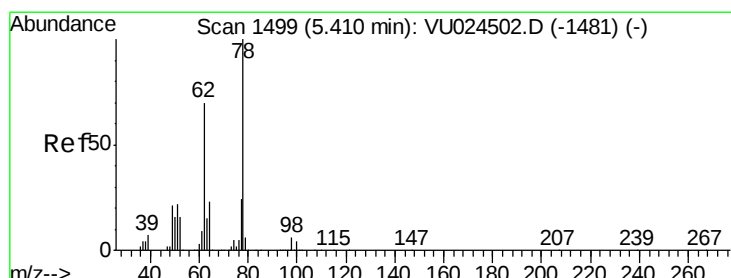
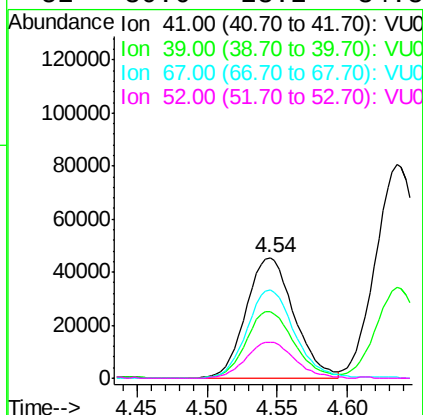
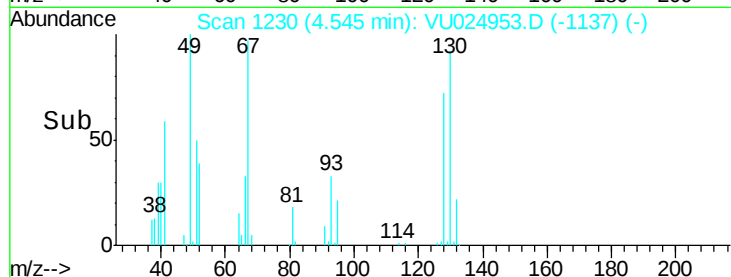
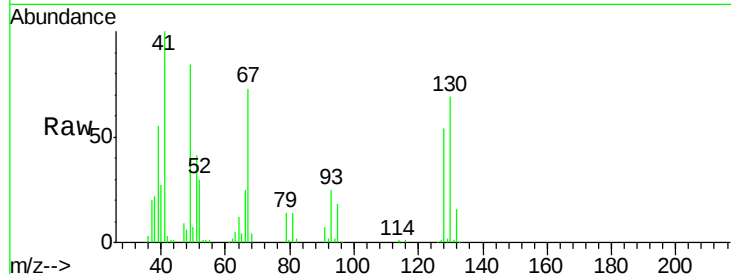
#41
Methacrylonitrile
Concen: 52.03 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	43.8	65.6	
67	72.8	56.3	84.5	
52	30.6	23.2	34.8	

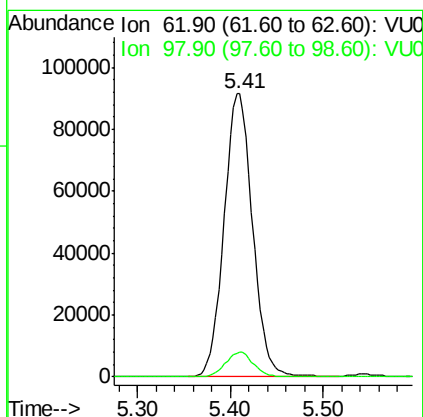
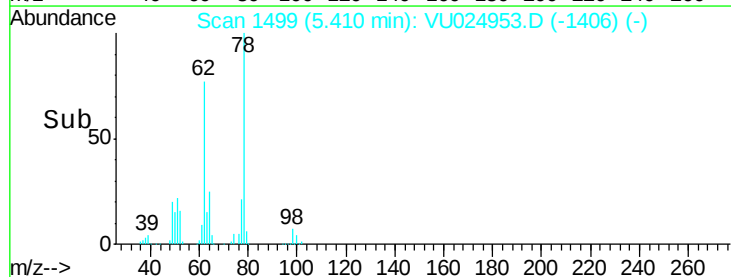
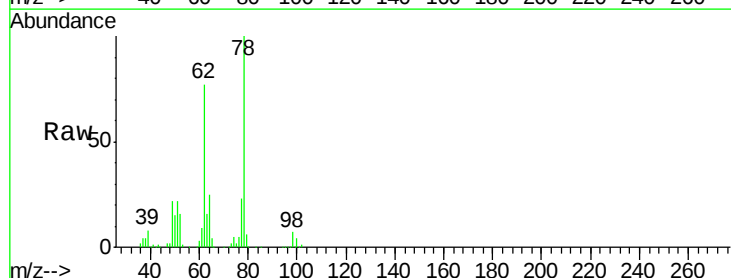
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#42
1,2-Dichloroethane
Concen: 50.57 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





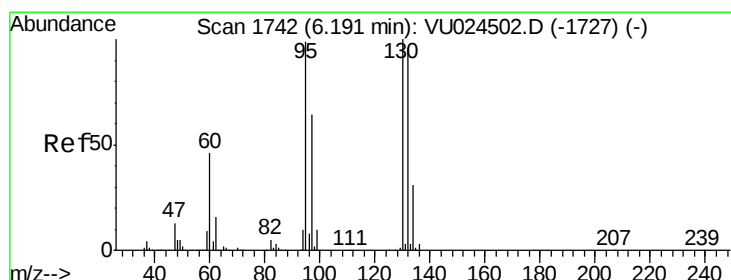
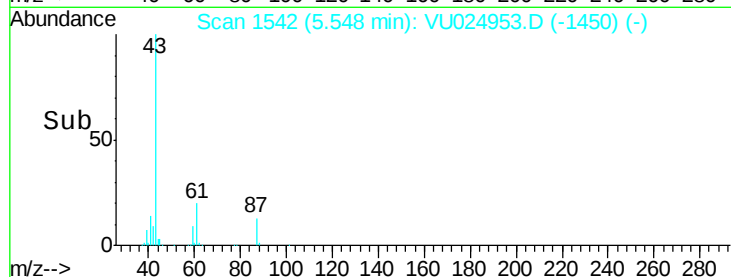
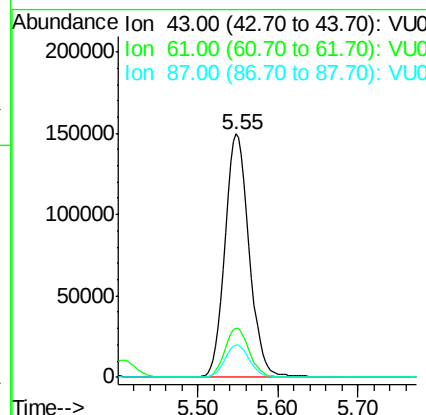
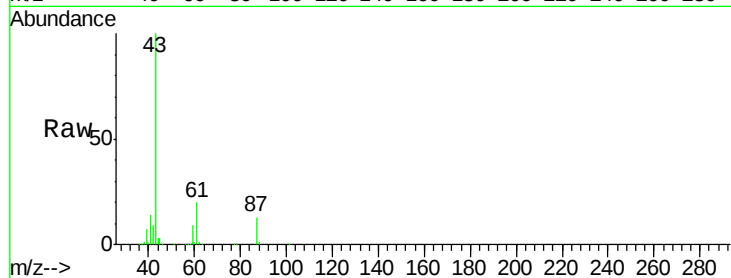
#43
Isopropyl Acetate
Concen: 46.45 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.4	23.0
87	13.5	10.0	15.0

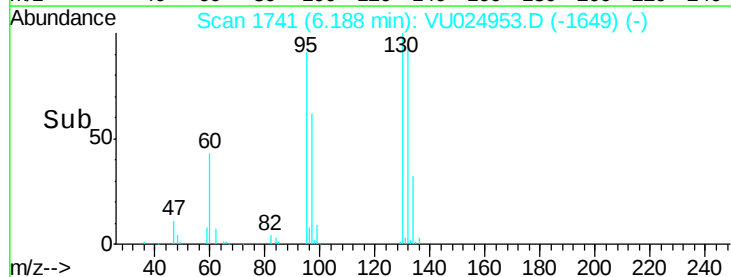
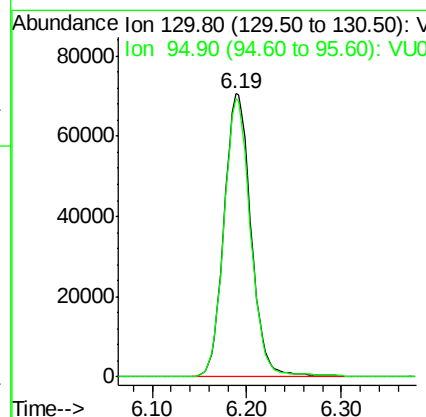
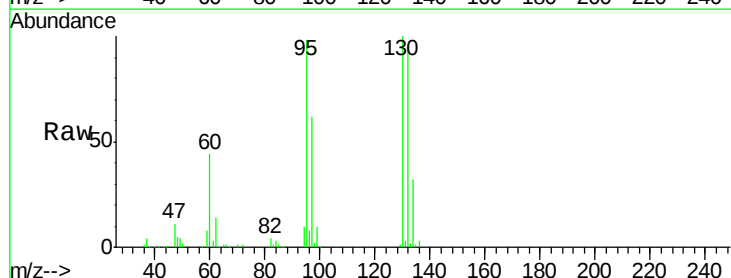
Manual Integrations
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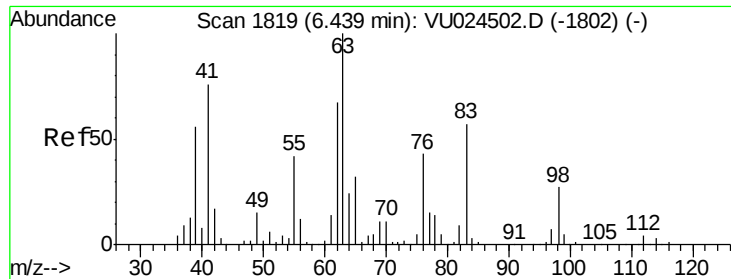
MMDadoda
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#44
Trichloroethene
Concen: 48.61 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	202.4





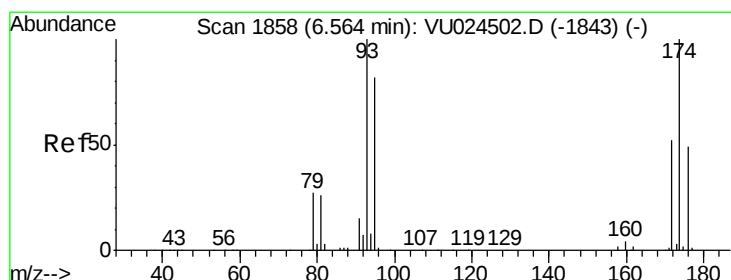
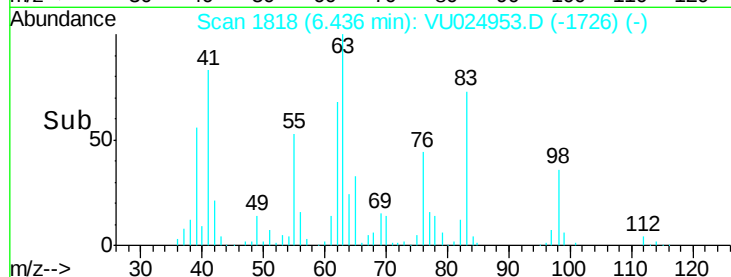
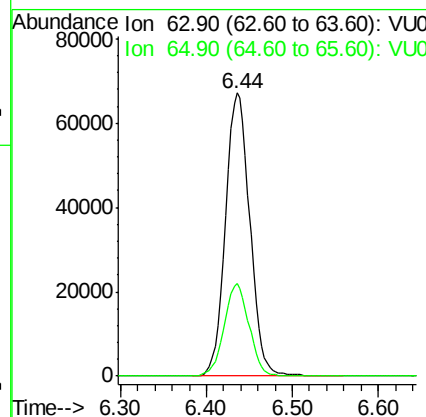
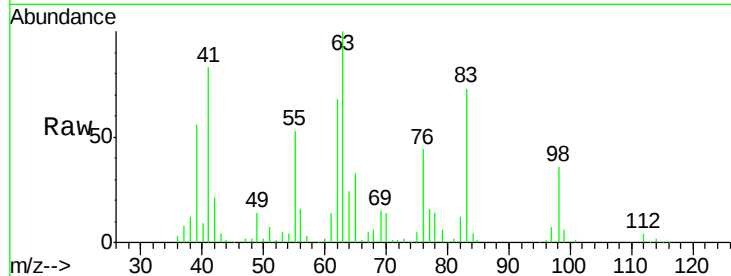
#45
 1,2-Dichloropropane
 Concen: 49.04 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 132428
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.8 37.2

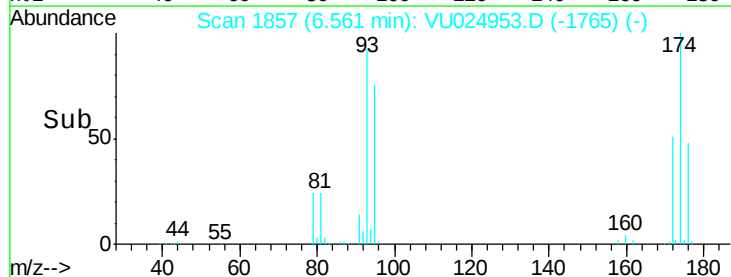
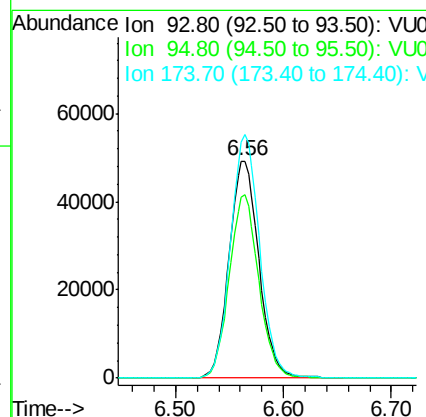
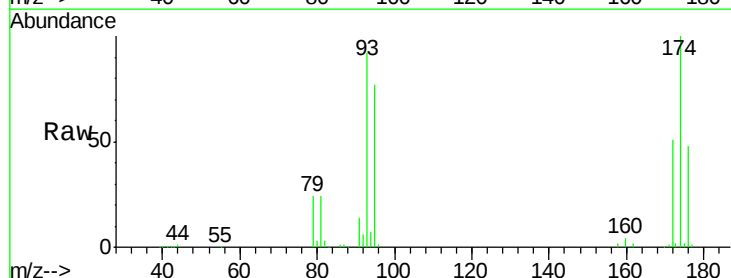
Manual Integrations
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#46
 Dibromomethane
 Concen: 50.11 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion: 93 Resp: 95059
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 109.9 78.7 118.1





#47

Bromodichloromethane

Concen: 47.94 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

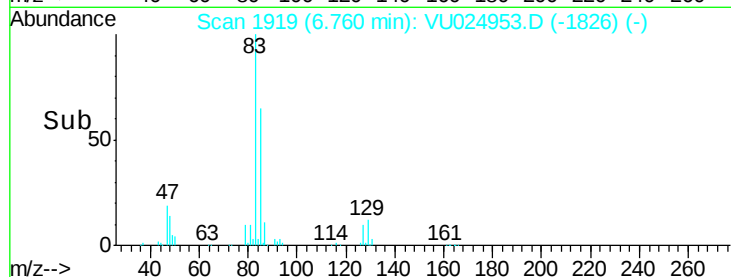
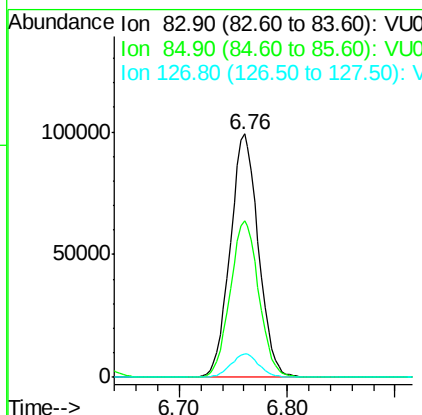
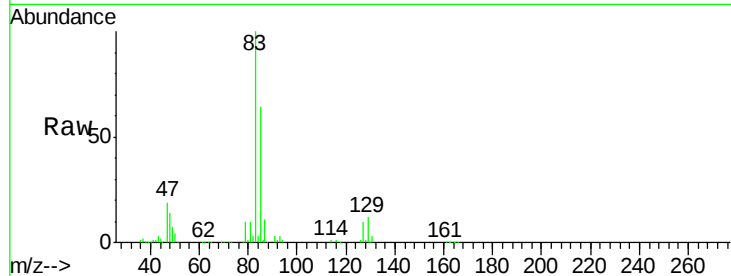
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	181069
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9
127	9.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 48.46 ug/l

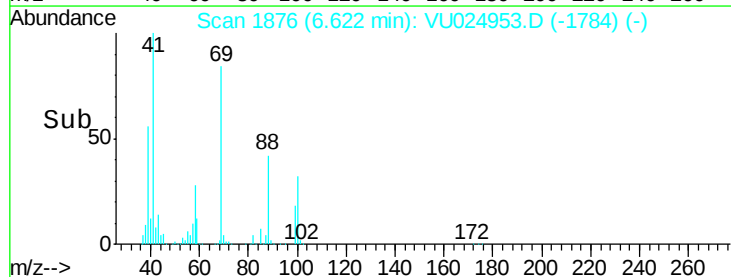
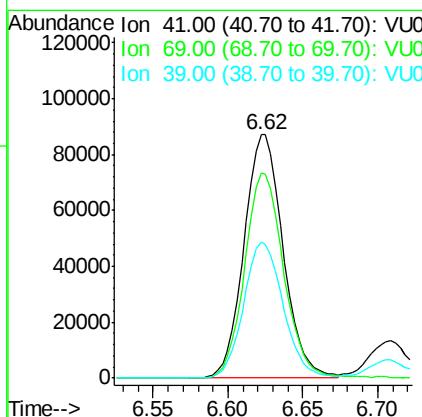
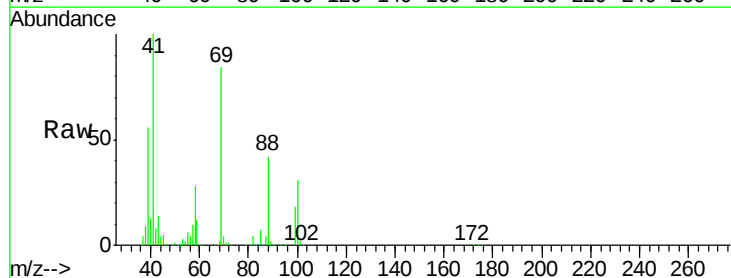
RT: 6.62 min Scan# 1876

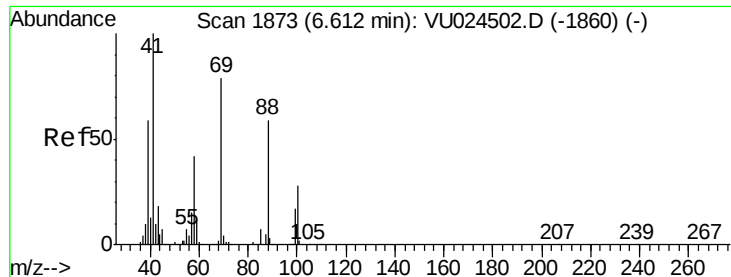
Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	41	Resp:	157914
Ion	Ratio	Lower	Upper
41	100		
69	84.5	67.3	100.9
39	56.0	46.5	69.7





#49

1,4-Dioxane

Concen: 1201.57 ug/l

RT: 6.62 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

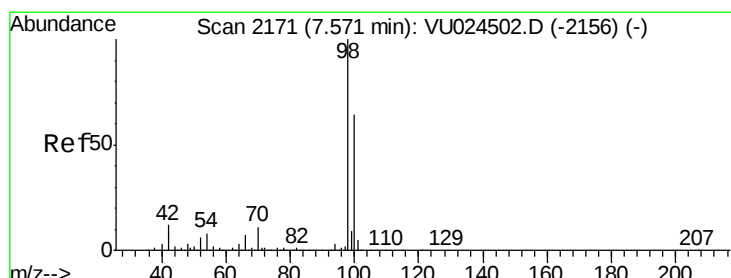
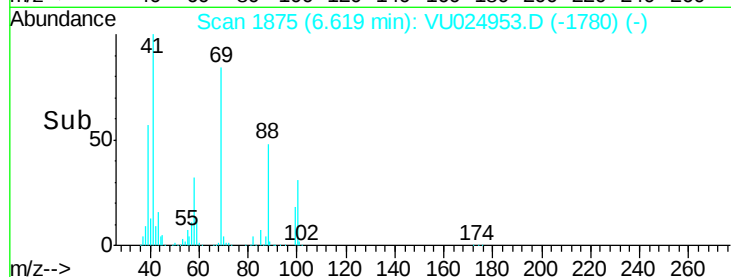
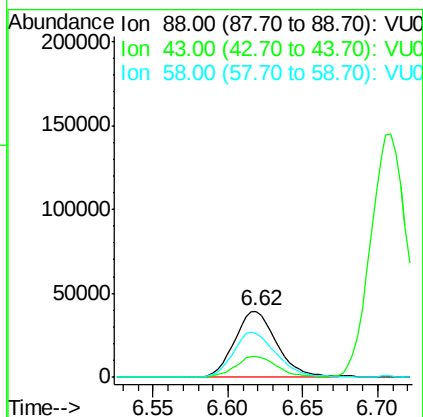
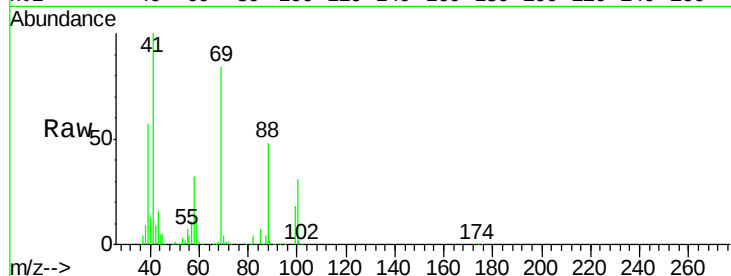
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	76567
Ion	Ratio	Lower	Upper
88	100		
43	30.9	28.6	42.8
58	71.0	58.2	87.4

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#50

Toluene-d8

Concen: 44.06 ug/l

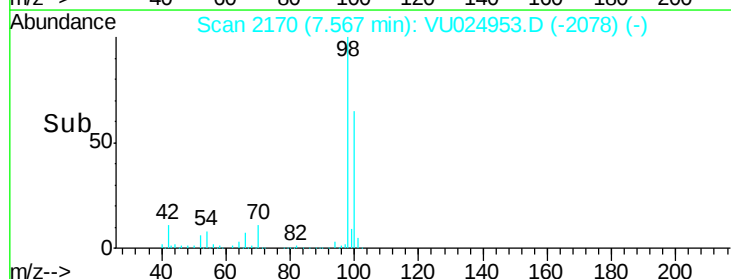
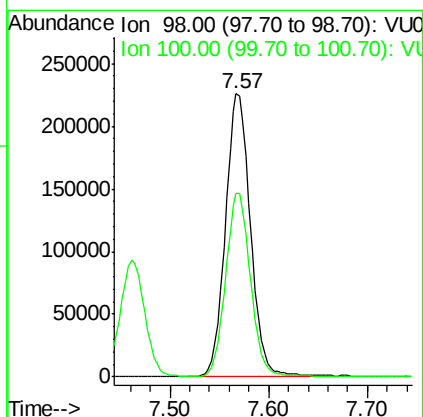
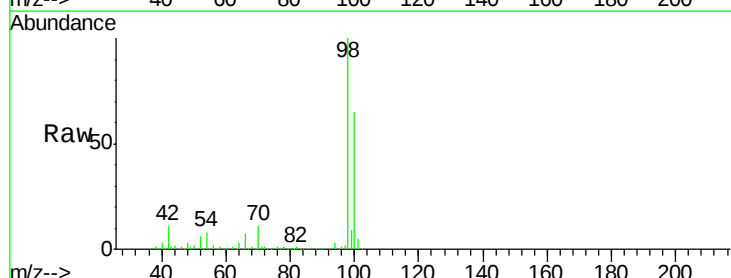
RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	98	Resp:	403195
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 239.06 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1004995

Ion Ratio Lower Upper

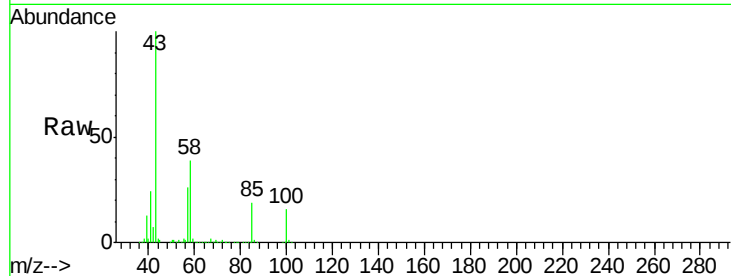
43 100

58 39.4 30.0 45.0

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

600000

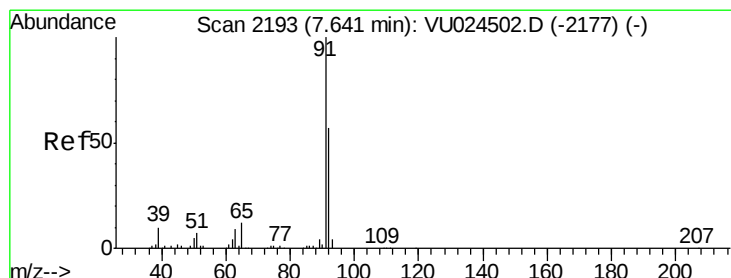
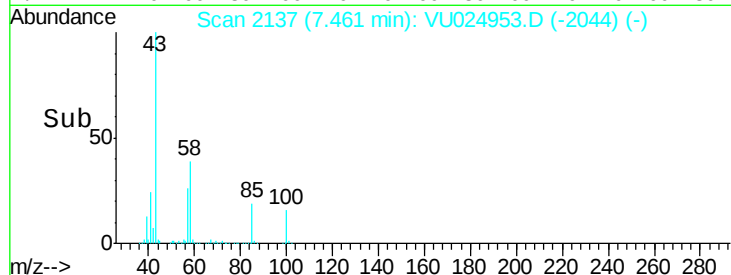
400000

200000

0

7.46

Time-->



#52

Toluene

Concen: 48.94 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024953.D

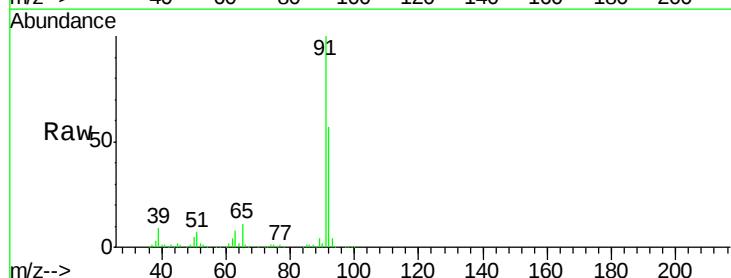
Acq: 27 Jun 2018 04:47

Tgt Ion: 92 Resp: 318633

Ion Ratio Lower Upper

92 100

91 173.5 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

300000

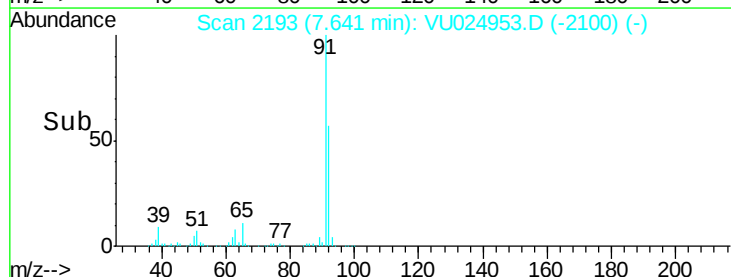
200000

100000

0

7.64

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.01 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 75 Resp: 195148

Ion Ratio Lower Upper

75 100

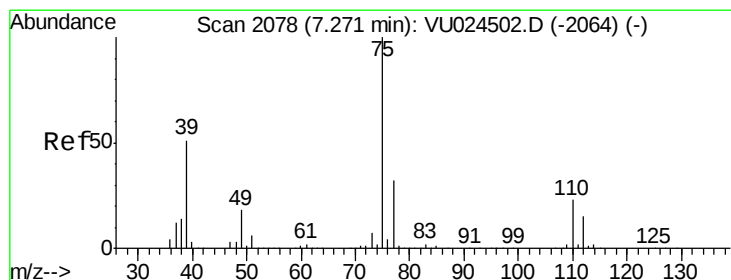
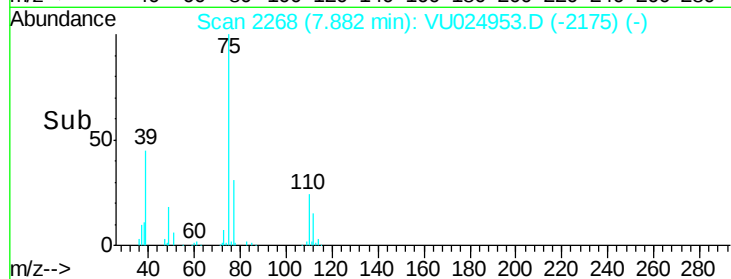
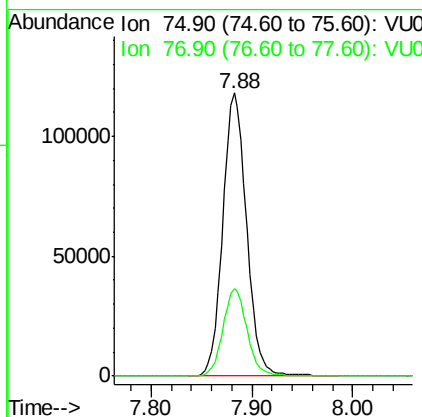
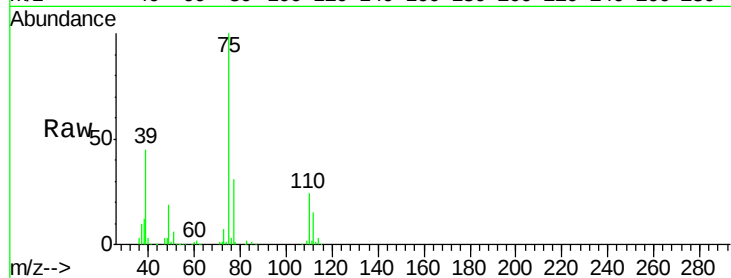
77 31.0 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.28 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

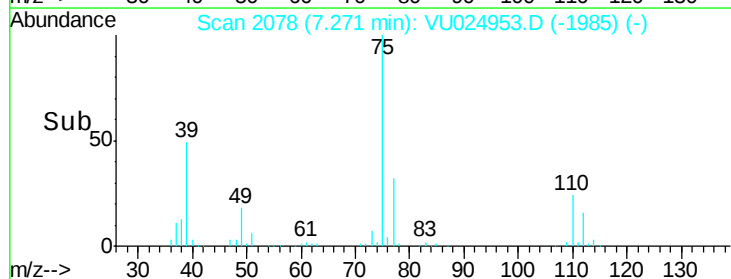
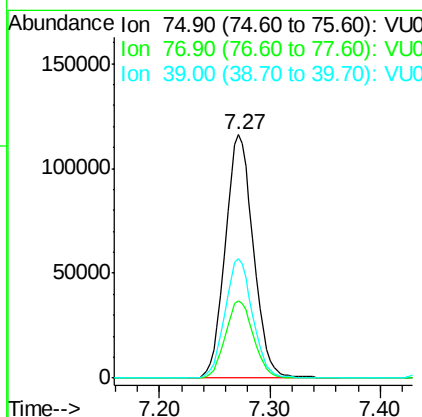
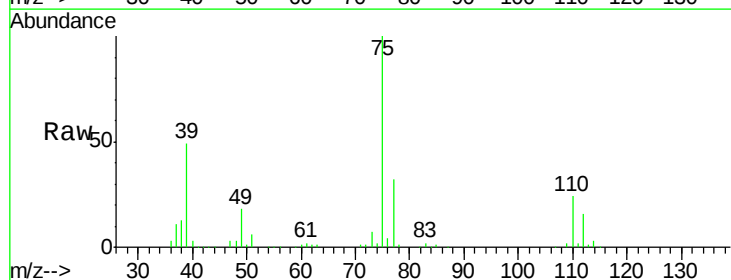
Tgt Ion: 75 Resp: 204676

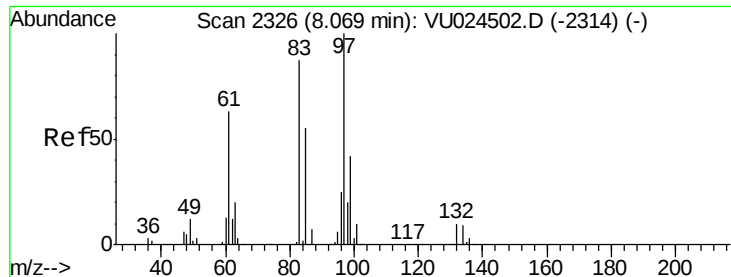
Ion Ratio Lower Upper

75 100

77 31.8 24.6 36.8

39 48.9 39.8 59.6





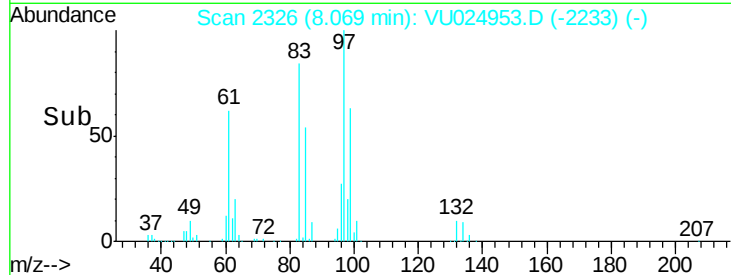
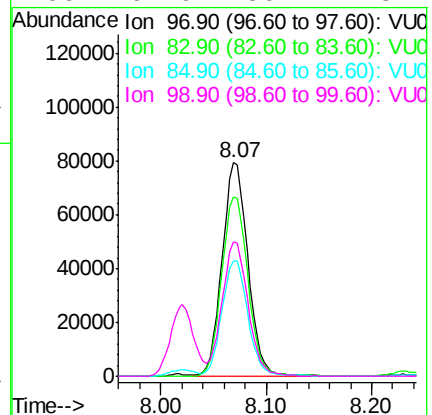
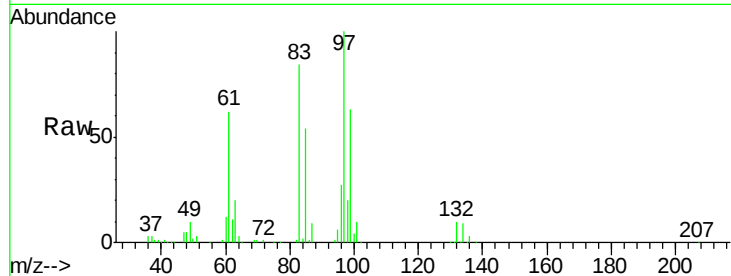
#55
 1,1,2-Trichloroethane
 Concen: 50.57 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		133837		
83	83.8	70.5	105.7		
85	54.1	46.4	69.6		
99	62.9	50.2	75.2		

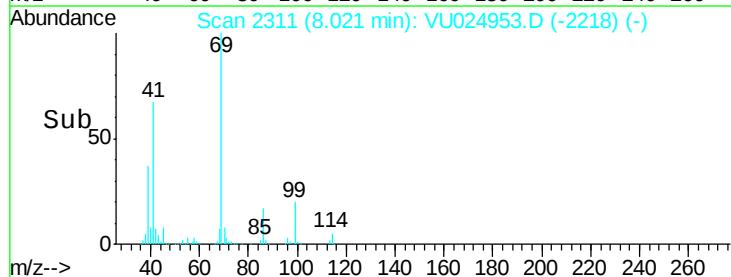
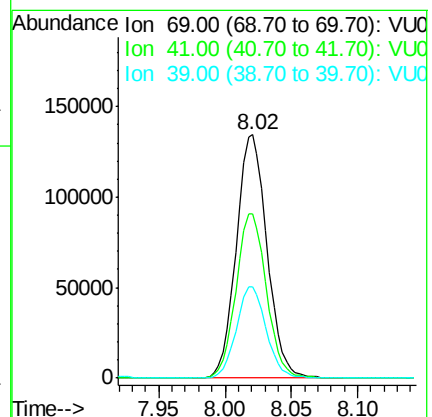
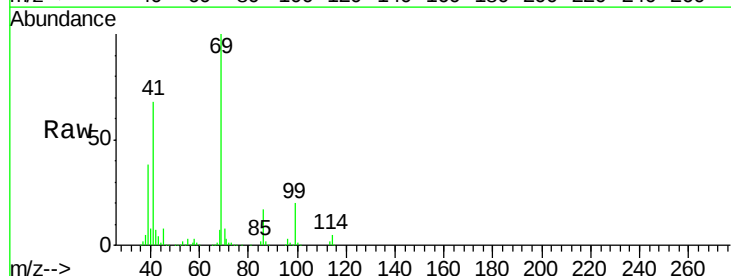
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 48.93 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		216745		
41	66.4	54.1	81.1		
39	36.1	30.3	45.5		





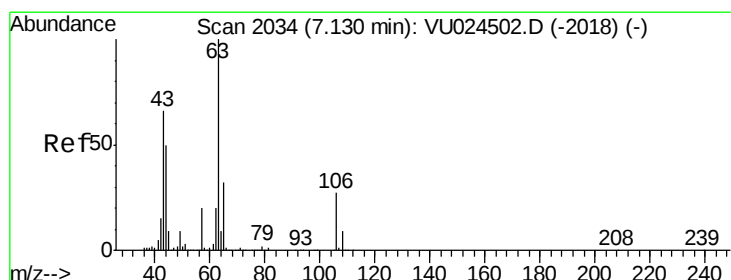
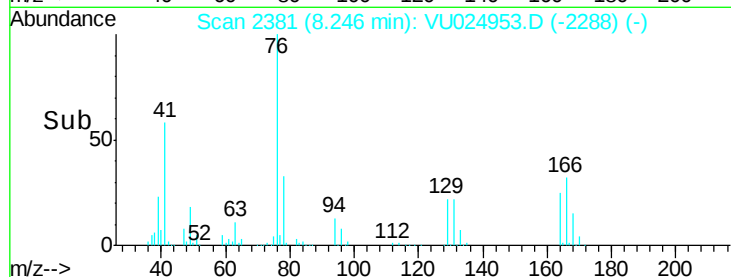
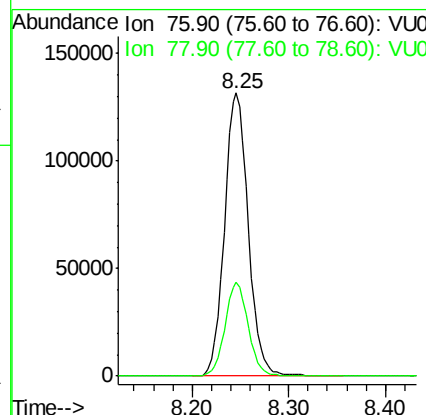
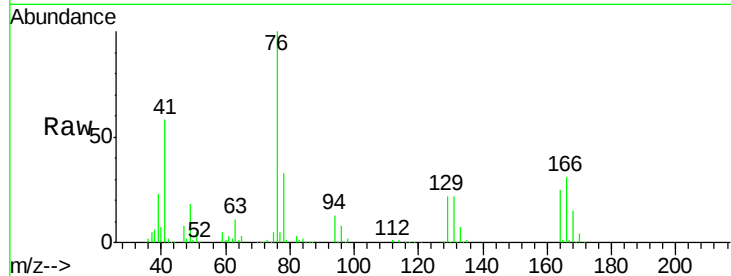
#57
 1,3-Dichloropropane
 Concen: 50.13 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 223835
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

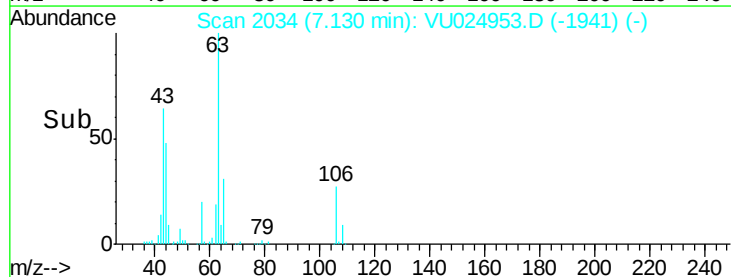
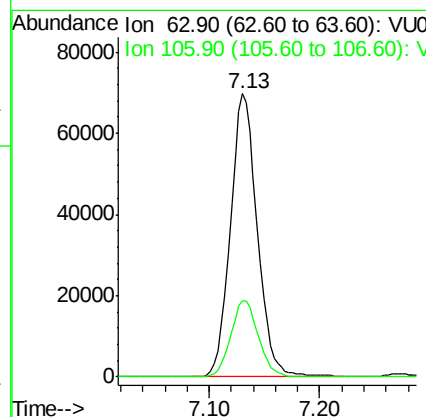
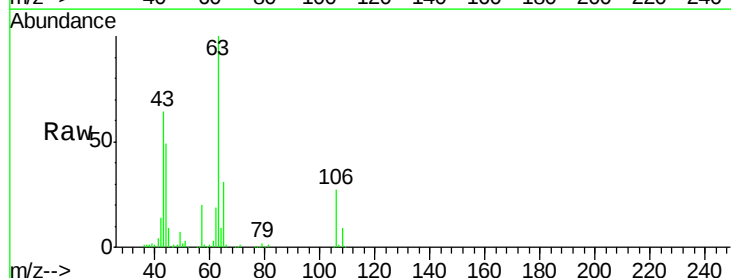
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 69.33 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion: 63 Resp: 117669
 Ion Ratio Lower Upper
 63 100
 106 27.8 20.2 30.2





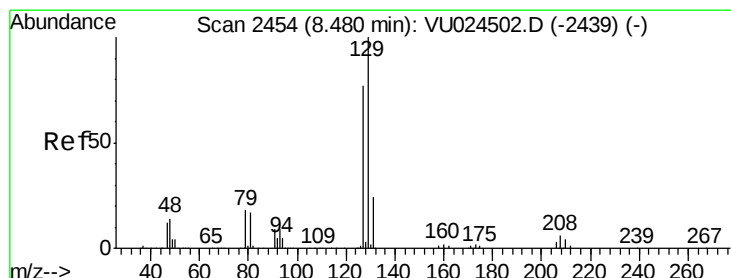
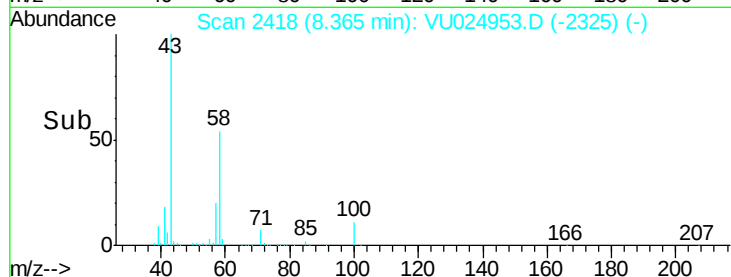
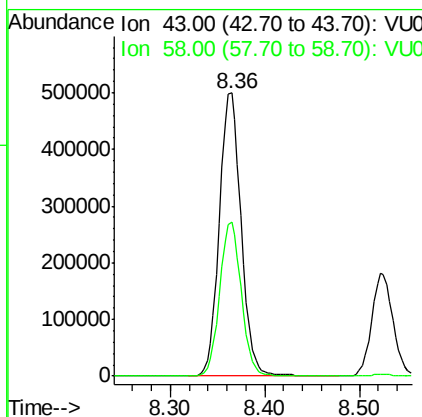
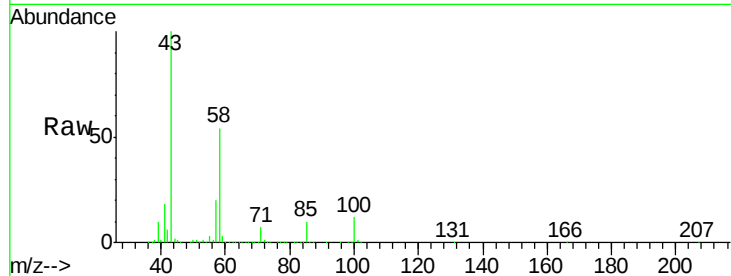
#59
2-Hexanone
Concen: 233.16 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 800262
Ion Ratio Lower Upper
43 100
58 54.0 26.4 79.0

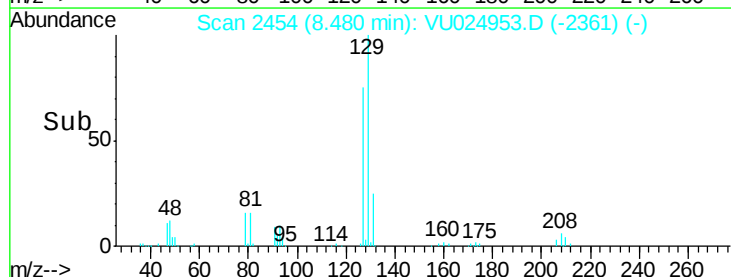
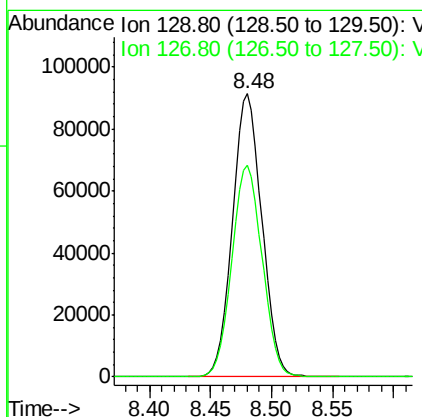
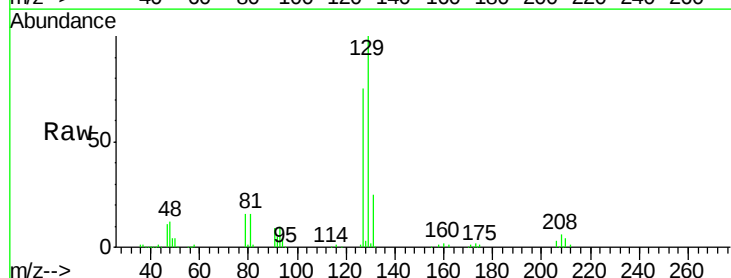
Manual Integrations
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#60
Dibromochloromethane
Concen: 46.43 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion: 129 Resp: 153251
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.86 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 143938

Ion Ratio Lower Upper

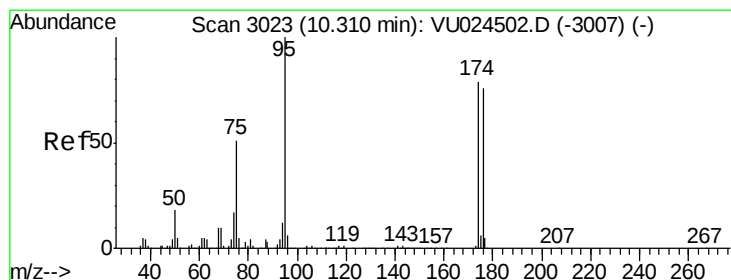
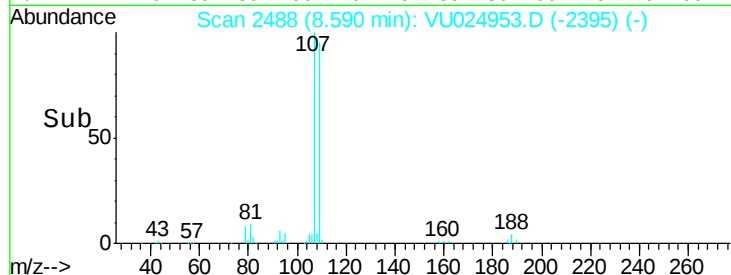
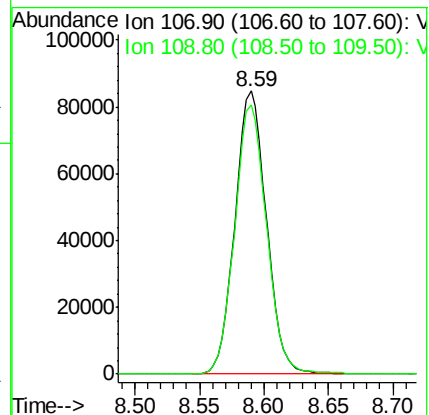
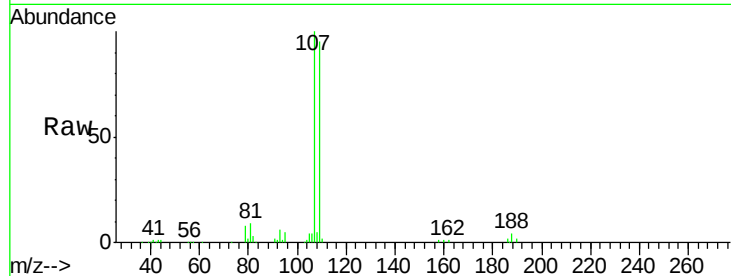
107 100

109 96.3 74.5 111.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.37 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

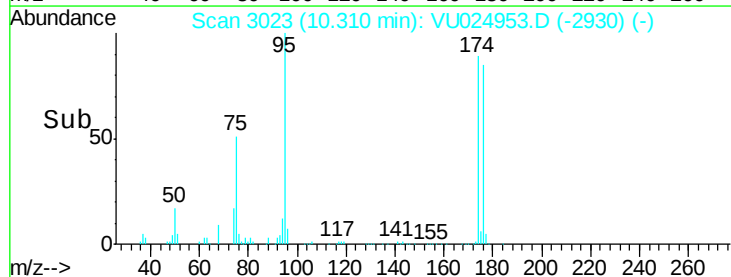
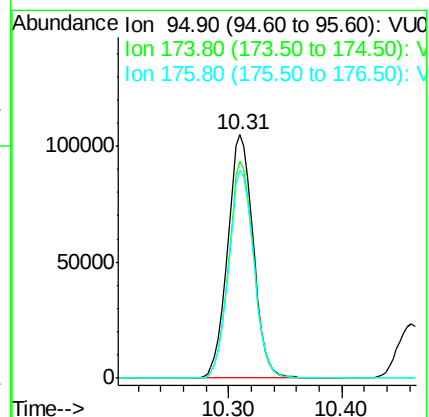
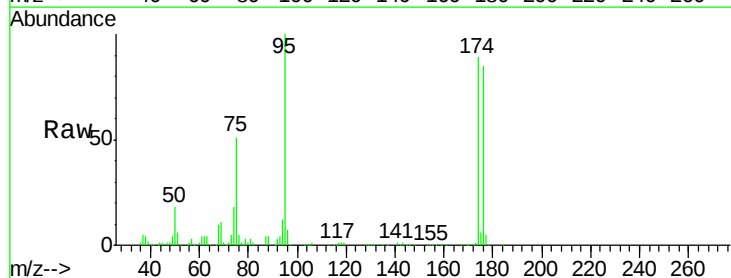
Tgt Ion: 95 Resp: 164843

Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.8

176 84.5 0.0 159.4





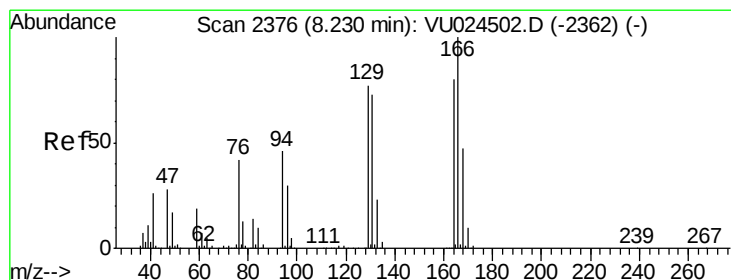
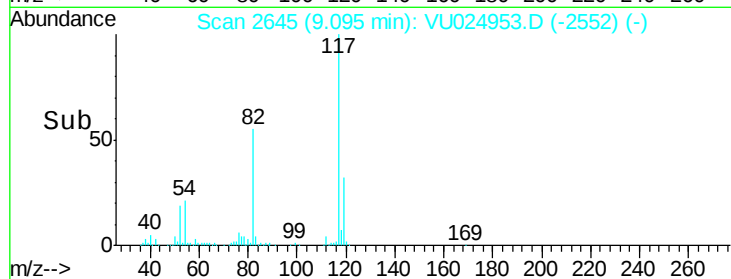
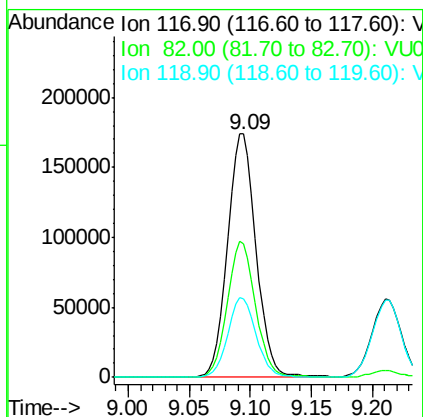
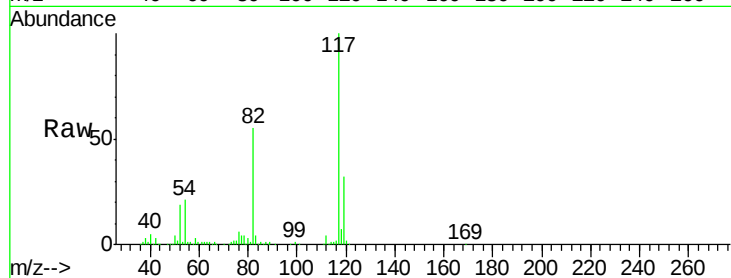
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.3	66.5
119	32.3	25.4	38.2

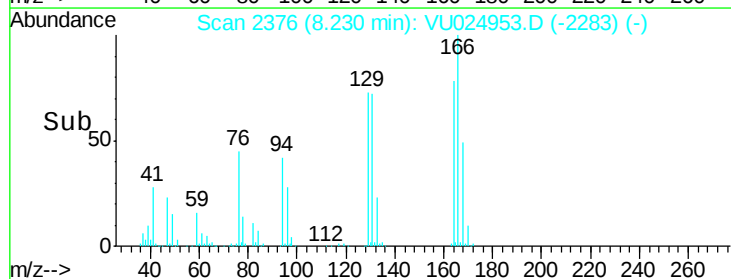
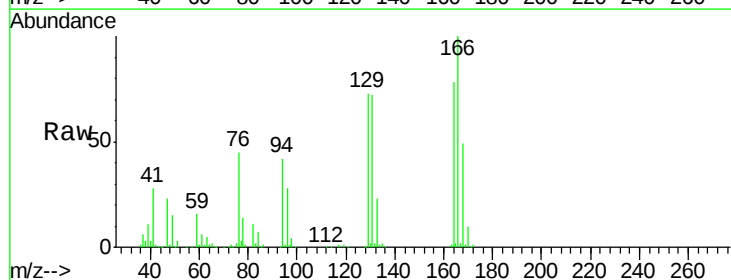
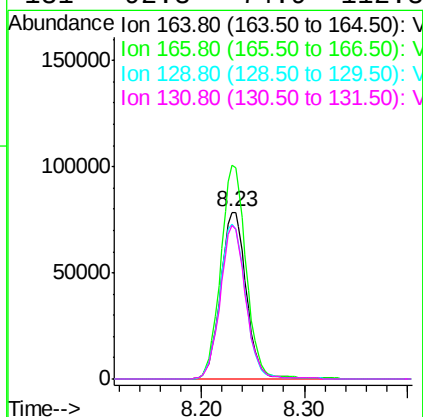
Manual Integrations
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6/28/2018 4:37:00 PM



#64
Tetrachloroethene
Concen: 50.29 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.7	152.5
129	93.0	76.9	115.3
131	92.3	74.9	112.3





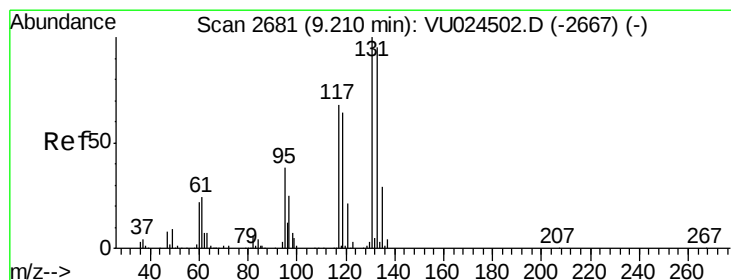
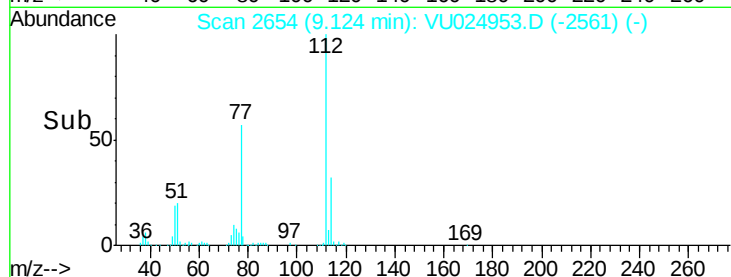
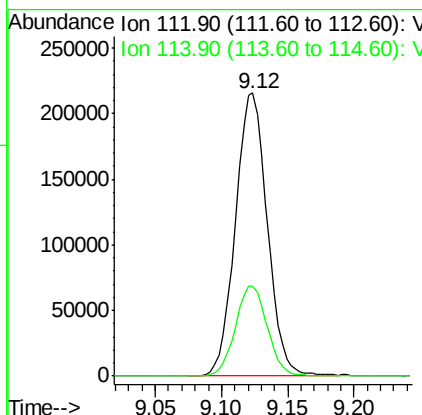
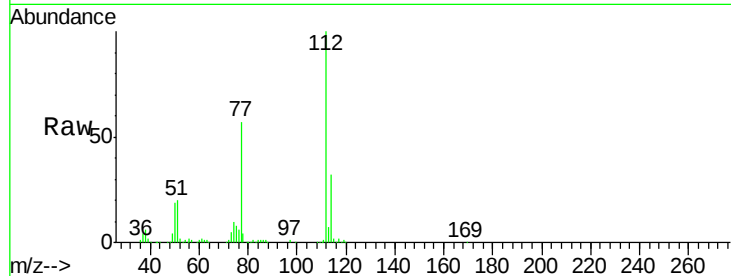
#65
Chlorobenzene
Concen: 49.50 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.6	38.4

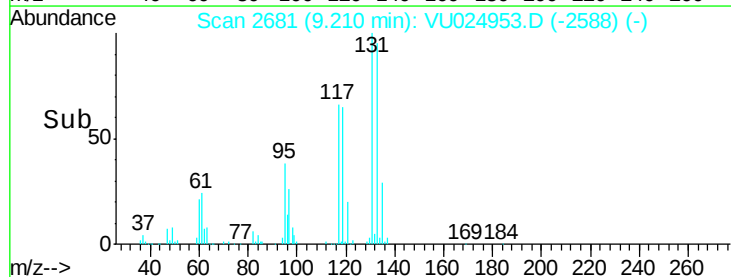
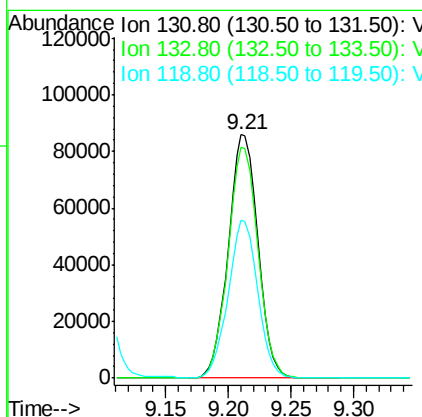
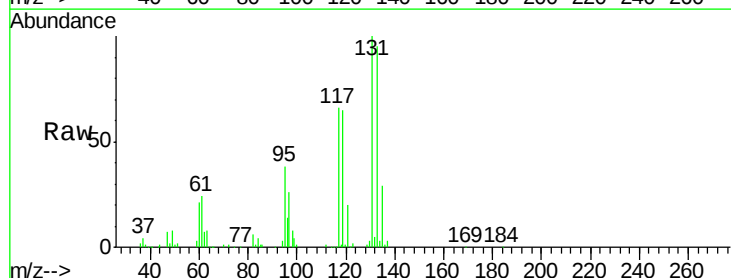
Manual Integrations
APPROVED

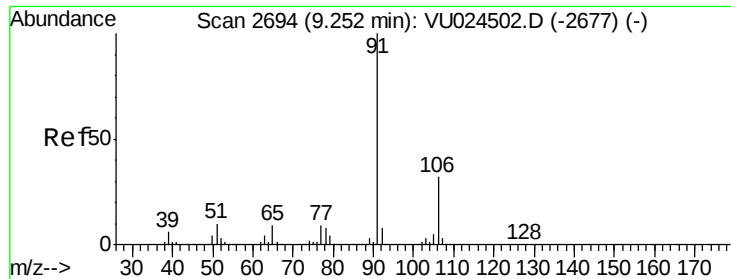
MMDadoda
6/28/2018 4:37:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.95 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	46.9	140.8
119	64.3	33.5	100.4





#67

Ethyl Benzene

Concen: 48.99 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 626220

Ion Ratio Lower Upper

91 100

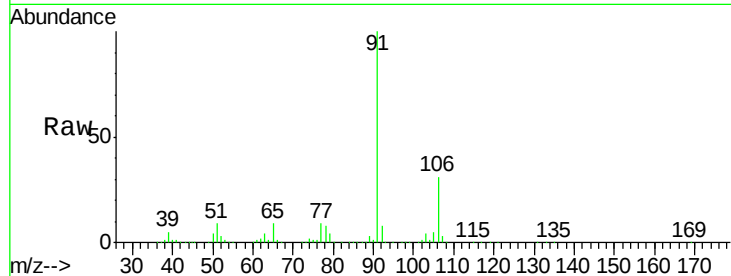
106 31.4 24.2 36.4

Manual Integrations

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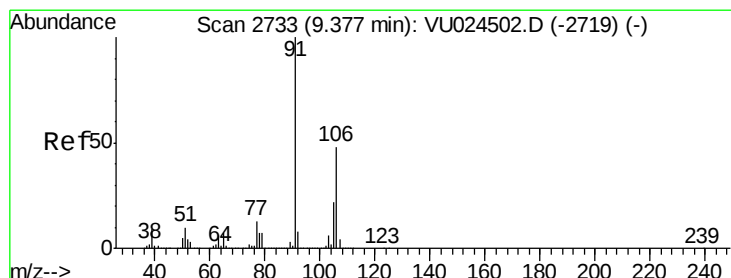
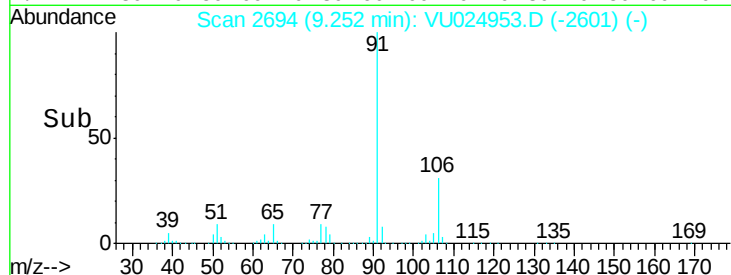
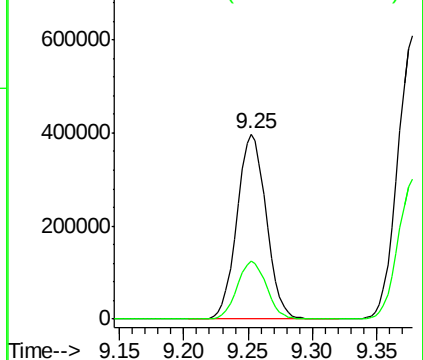
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.85 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024953.D

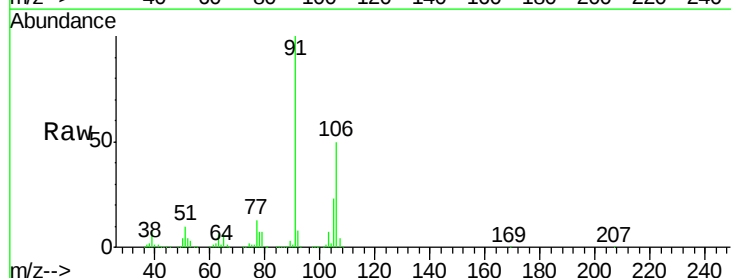
Acq: 27 Jun 2018 04:47

Tgt Ion: 106 Resp: 490138

Ion Ratio Lower Upper

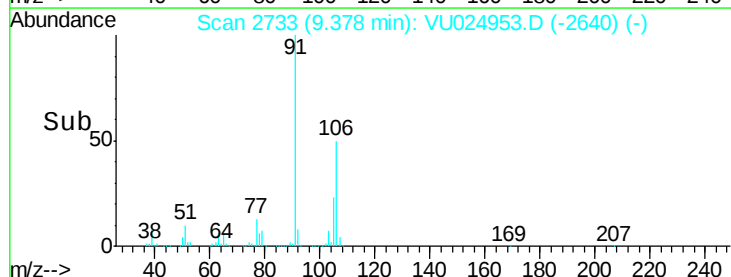
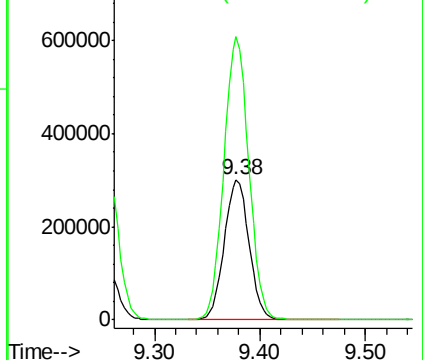
106 100

91 202.6 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





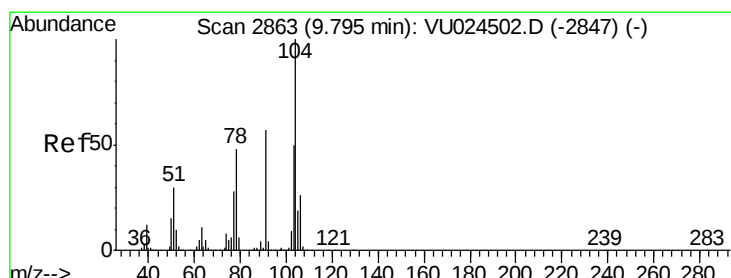
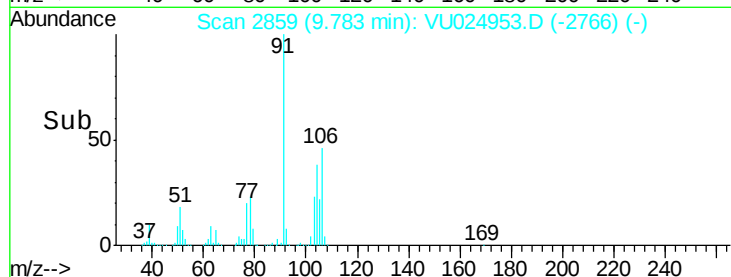
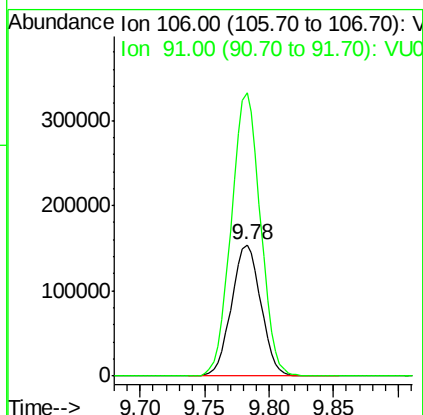
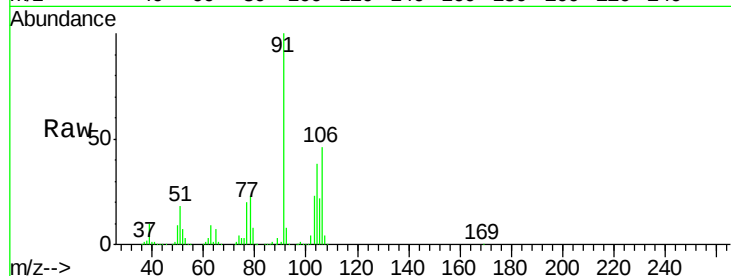
#69
o-Xylene
Concen: 50.11 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
243454	106	100		
	91	214.3	110.7	331.9

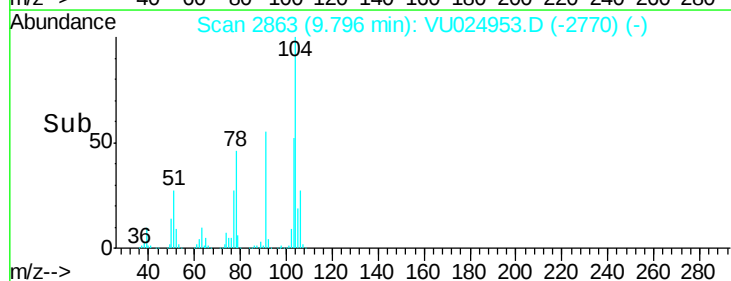
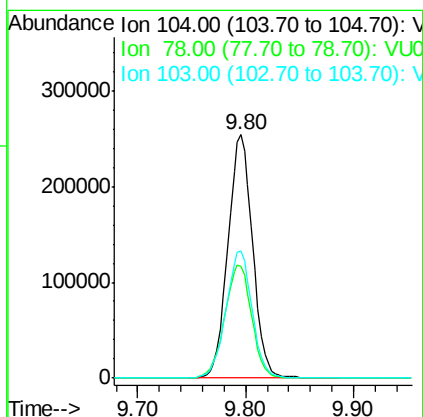
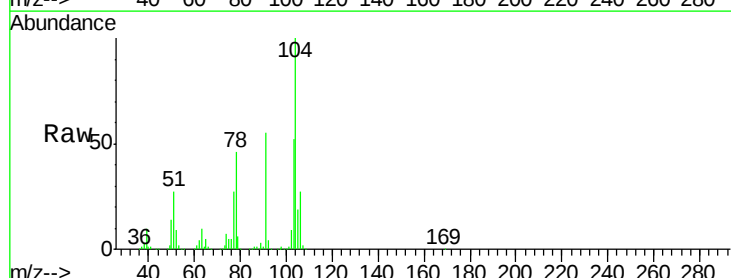
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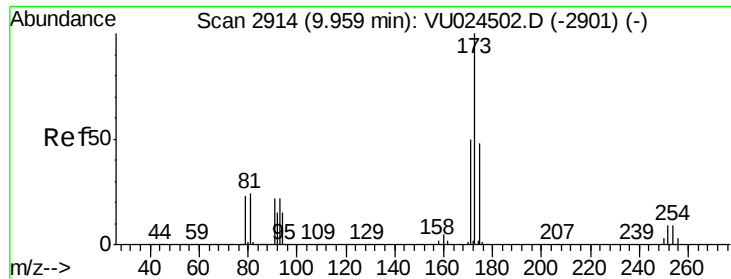
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#70
Styrene
Concen: 50.79 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ion	Ratio	Lower	Upper
405466	104	100		
	78	50.6	40.6	60.8
	103	55.1	44.7	67.1





#71

Bromoform

Concen: 46.09 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

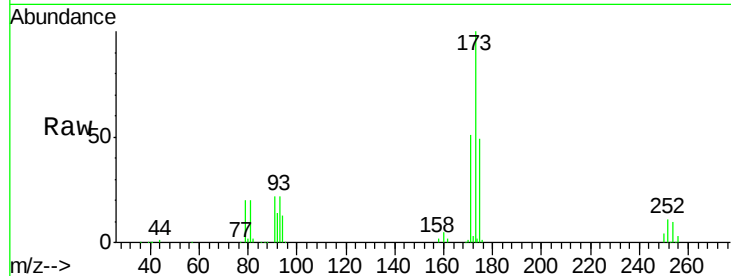
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.0	0.0

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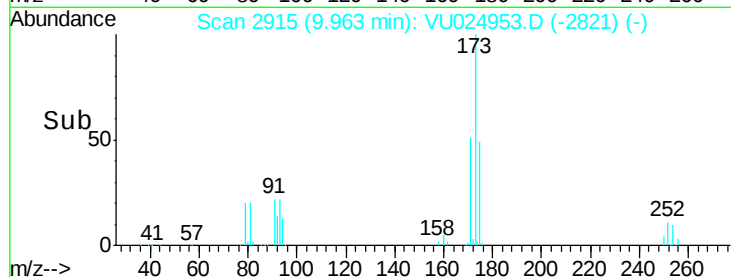
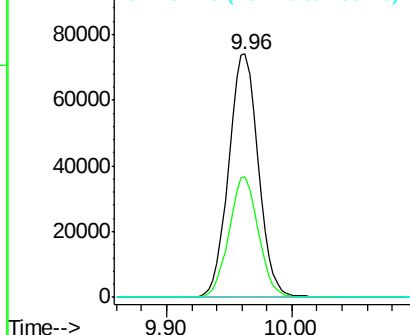


Abundance

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: VU024953.D

Acq: 27 Jun 2018 04:47

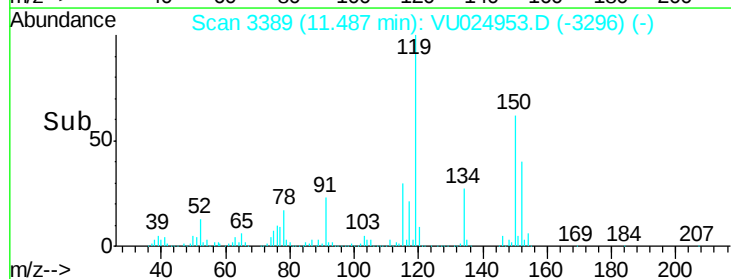
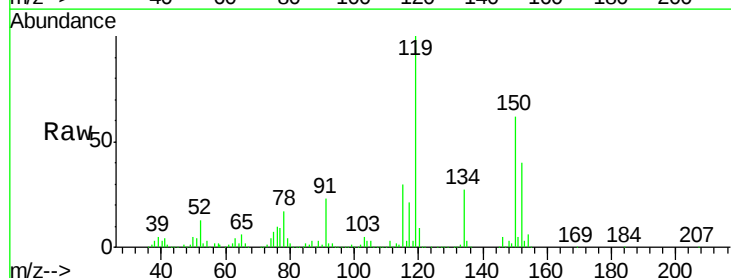
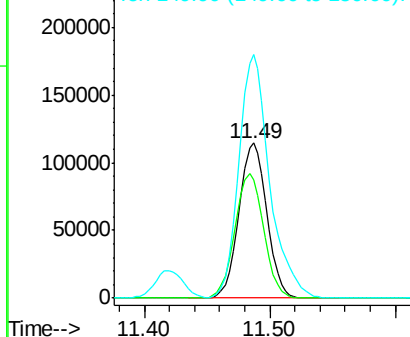
Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.9	43.0	129.0
150	173.7	0.0	354.0

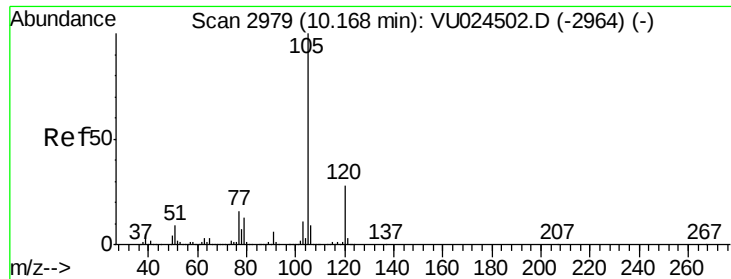
Abundance

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: 48.66 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 660151

Ion Ratio Lower Upper

105 100

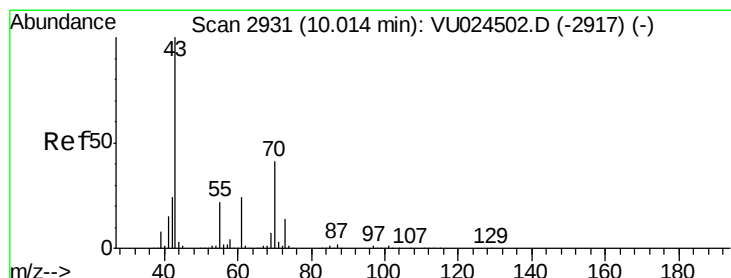
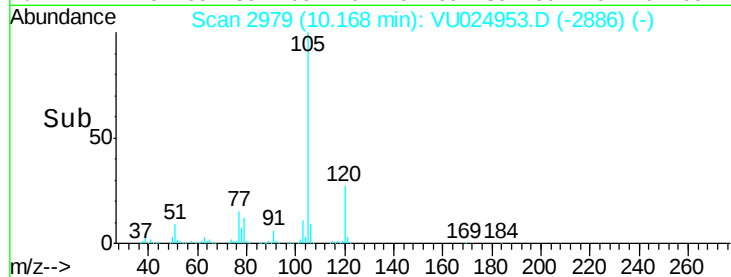
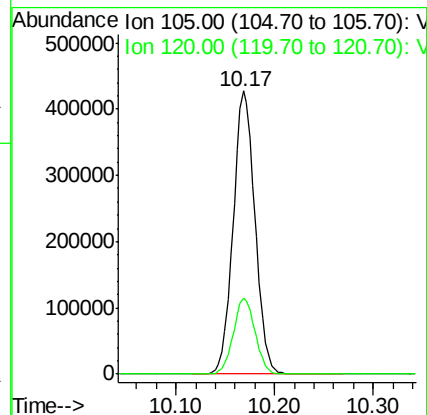
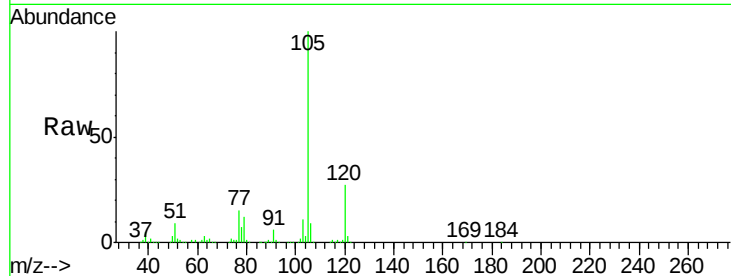
120 27.0 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.79 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion: 43 Resp: 282621

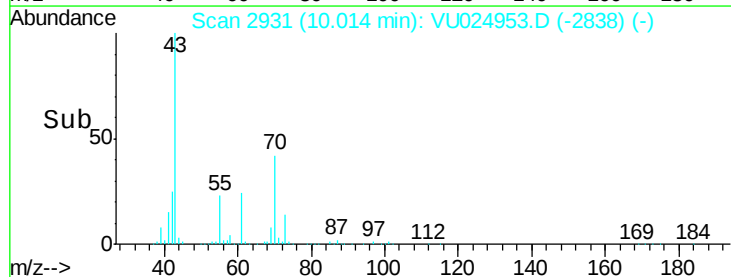
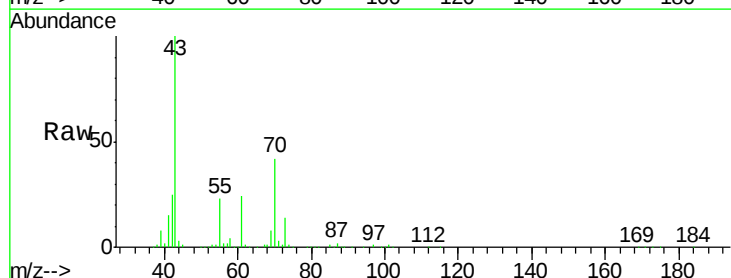
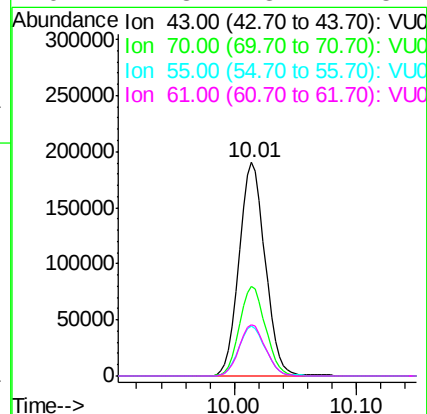
Ion Ratio Lower Upper

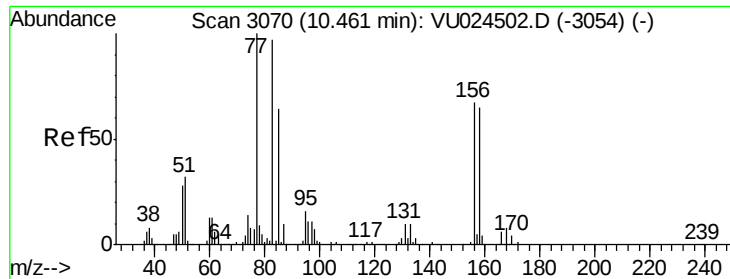
43 100

70 42.2 32.2 48.4

55 24.1 20.5 30.7

61 24.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.02 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 222870

Ion Ratio Lower Upper

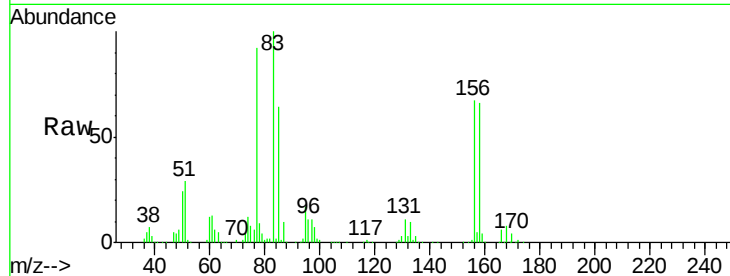
83 100

131 10.9 4.7 14.1

85 64.4 32.5 97.5

Manual Integrations
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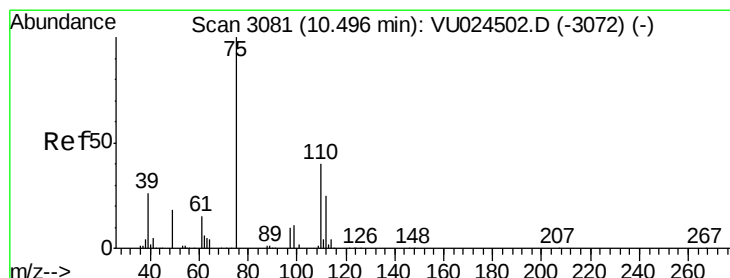
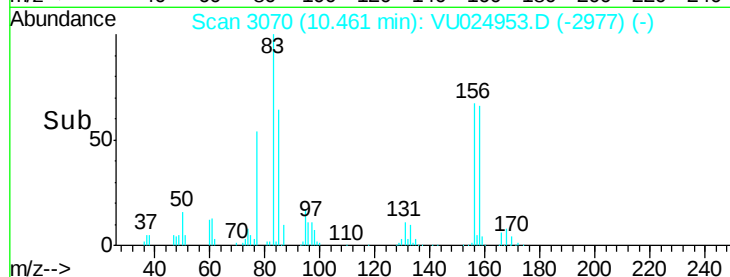
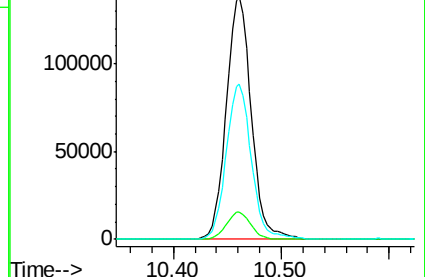
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VU024953.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024953.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024953.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 48.39 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024953.D

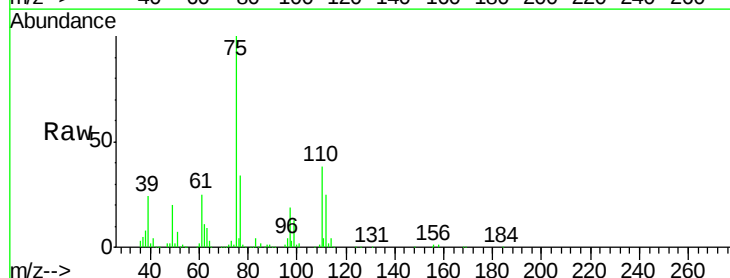
Acq: 27 Jun 2018 04:47

Tgt Ion: 75 Resp: 188260

Ion Ratio Lower Upper

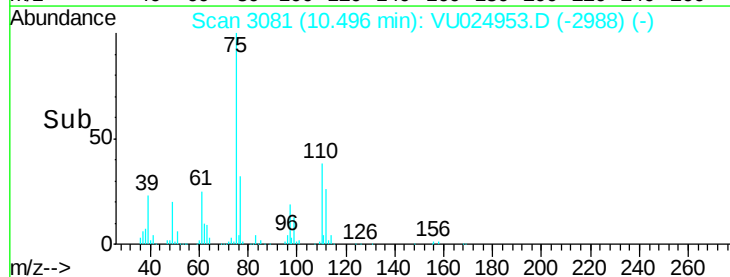
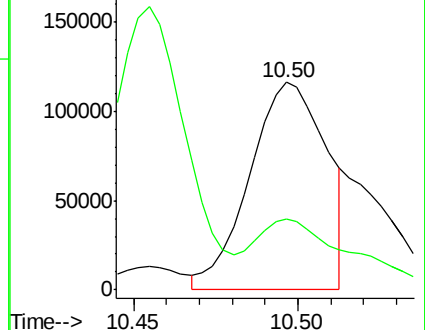
75 100

77 43.7 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024953.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024953.D (-2988) (-)





#77

Bromobenzene

Concen: 50.33 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

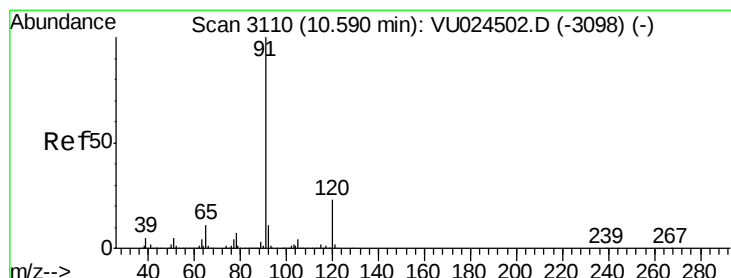
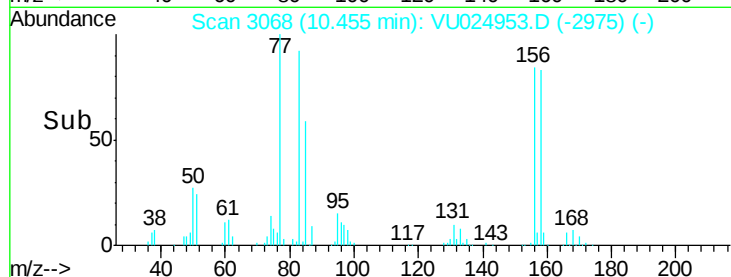
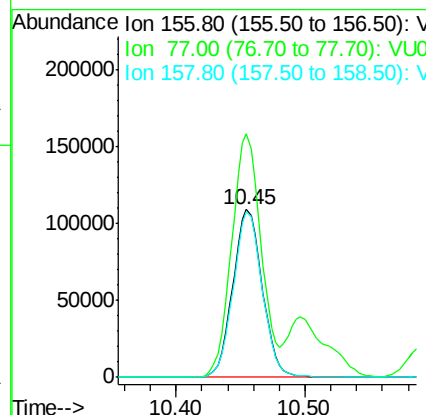
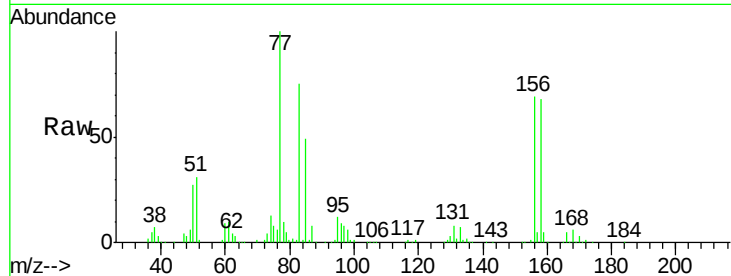
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	172863
Ion Ratio	Lower	Upper	
156	100		
77	145.4	80.5	241.3
158	97.2	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 46.88 ug/l

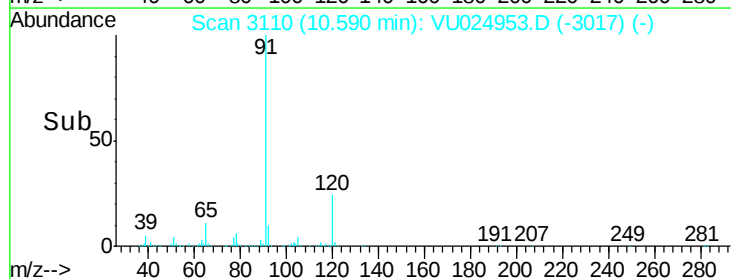
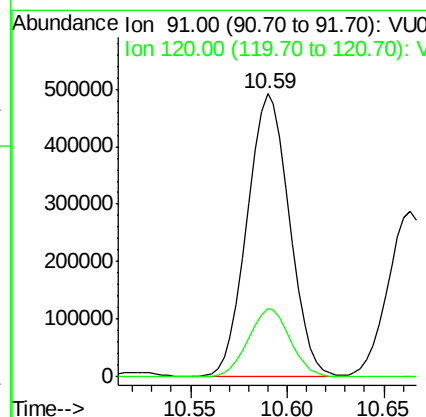
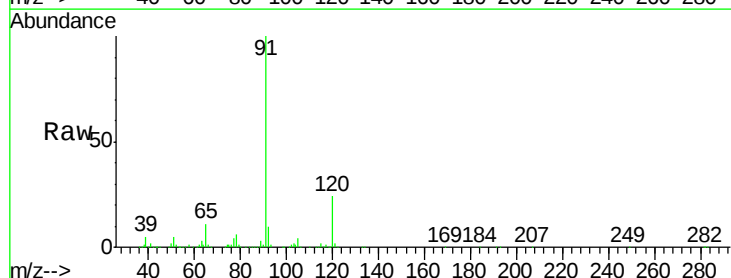
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Tgt Ion:	91	Resp:	749303
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.80 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 450548

Ion Ratio Lower Upper

91 100

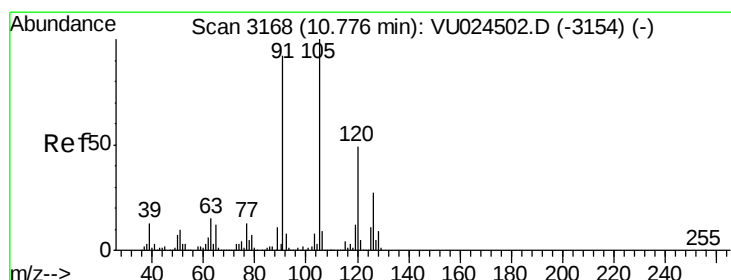
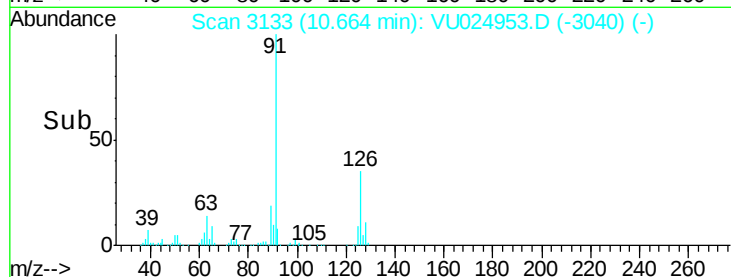
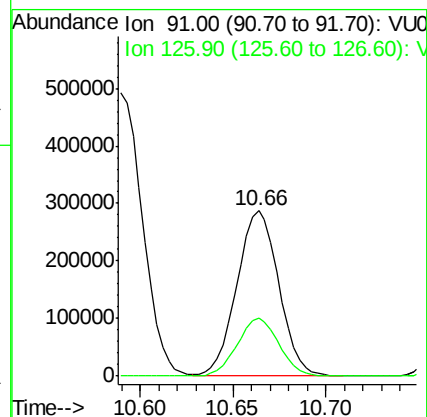
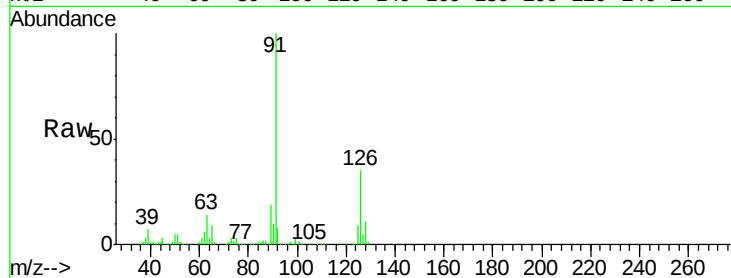
126 35.2 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.42 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024953.D

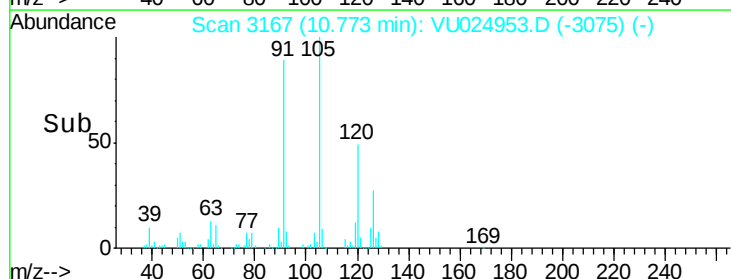
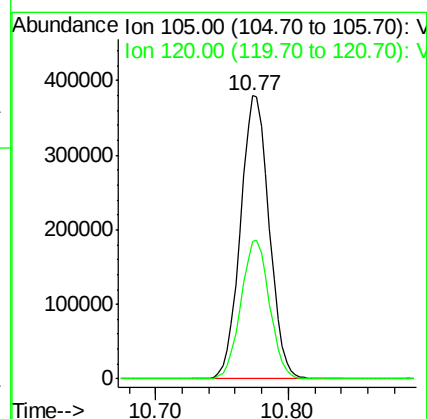
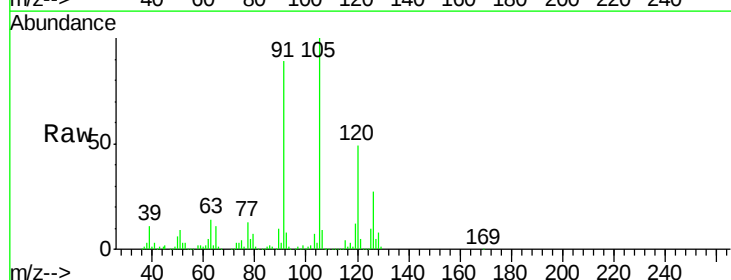
Acq: 27 Jun 2018 04:47

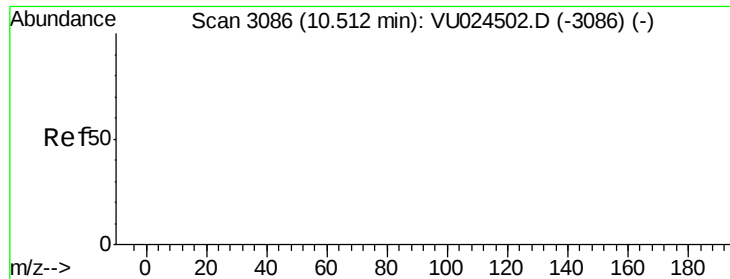
Tgt Ion: 105 Resp: 569412

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 39.58 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 66538

Ion Ratio Lower Upper

75 100

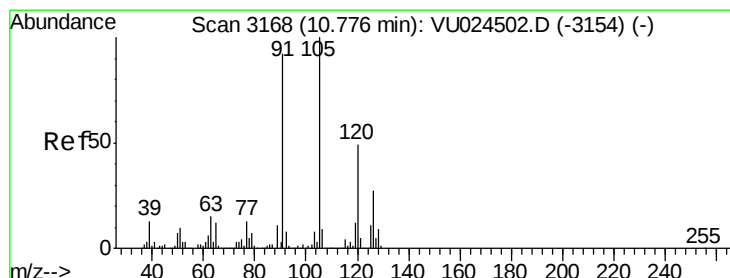
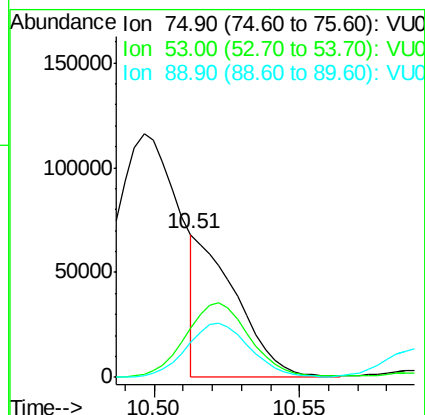
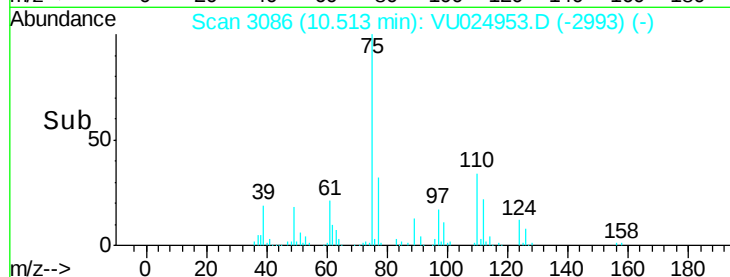
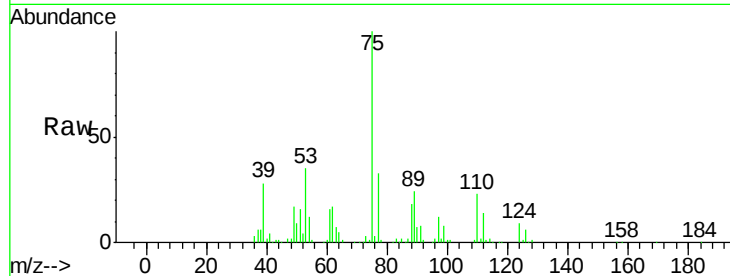
53 0.0 0.0 0.0

89 0.0 0.0 0.0

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#82

4-Chlorotoluene

Concen: 47.56 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024953.D

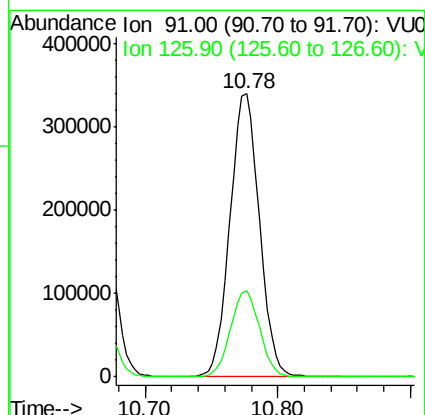
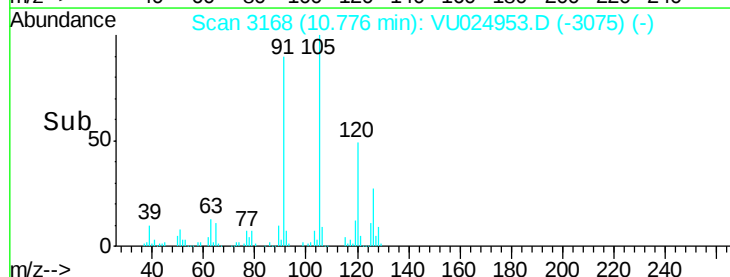
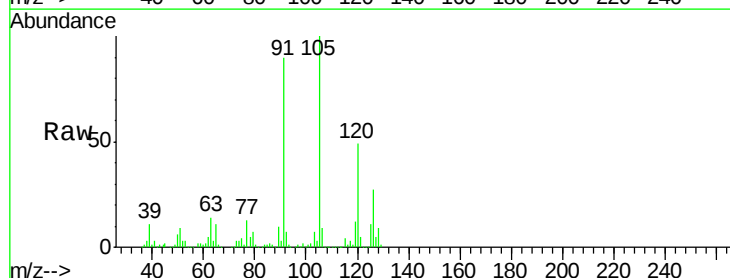
Acq: 27 Jun 2018 04:47

Tgt Ion: 91 Resp: 521756

Ion Ratio Lower Upper

91 100

126 30.3 14.9 44.9





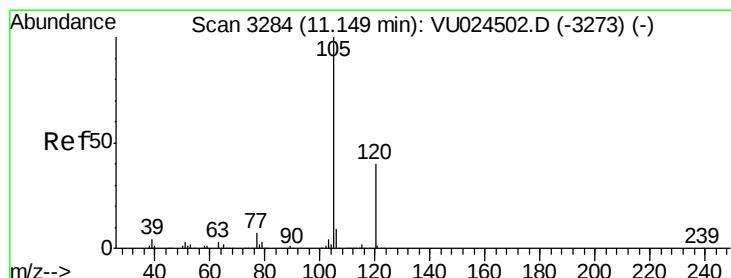
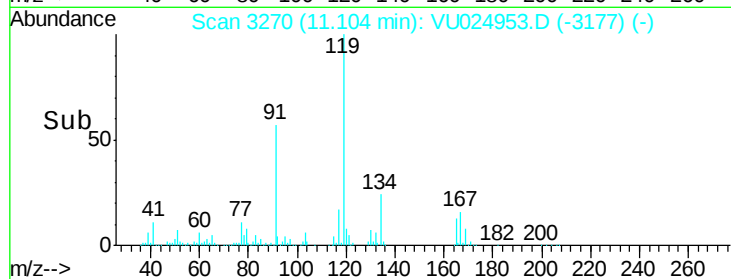
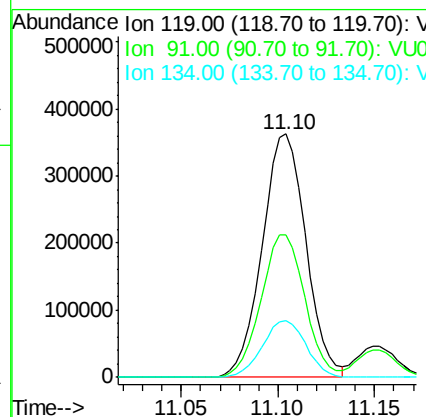
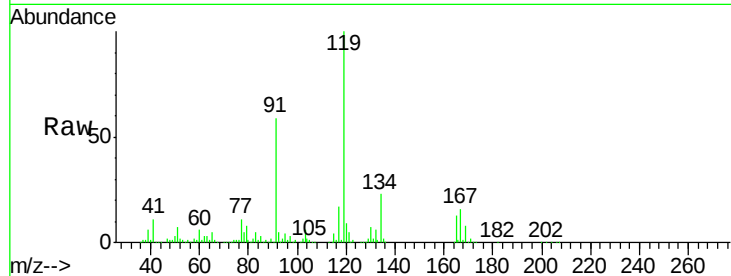
#83
 tert-Butylbenzene
 Concen: 50.52 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.7	89.1
134	23.4	11.6	34.7

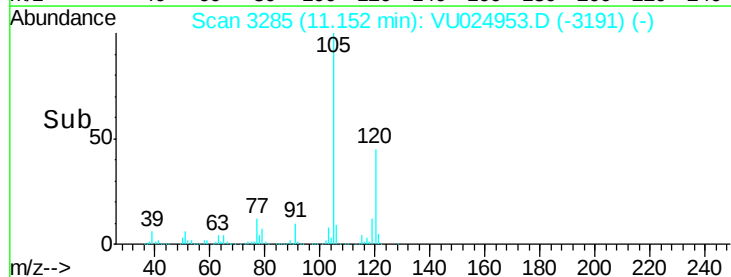
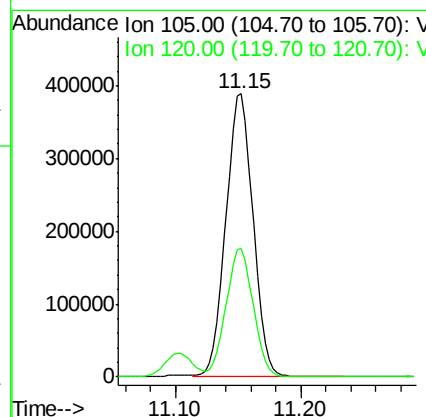
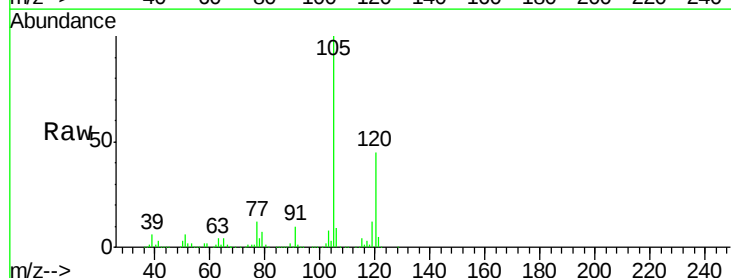
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.72 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 48.77 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 690569

Ion Ratio Lower Upper

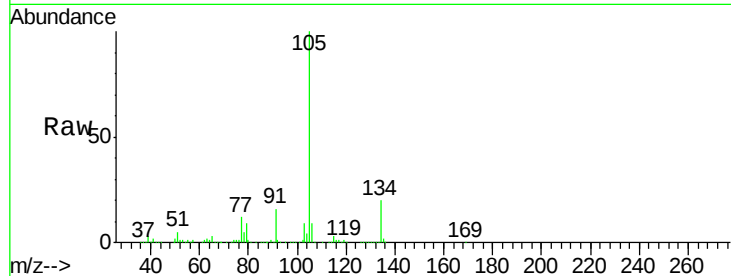
105 100

134 20.3 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

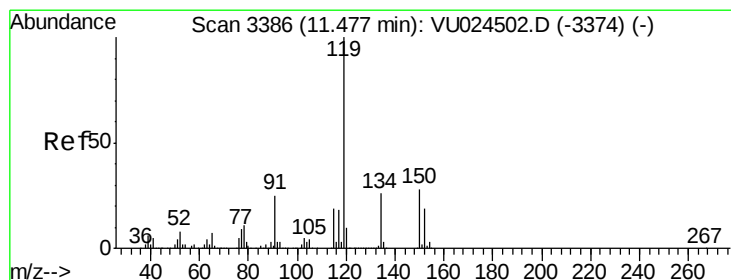
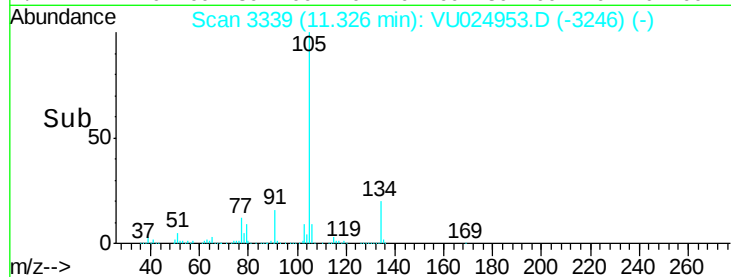
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.55 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024953.D

Acq: 27 Jun 2018 04:47

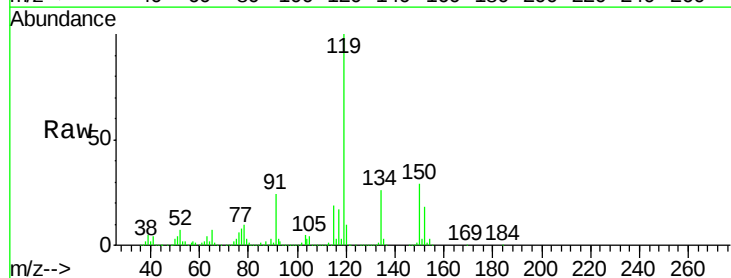
Tgt Ion:119 Resp: 615746

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 23.7 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): VU

11.48

400000

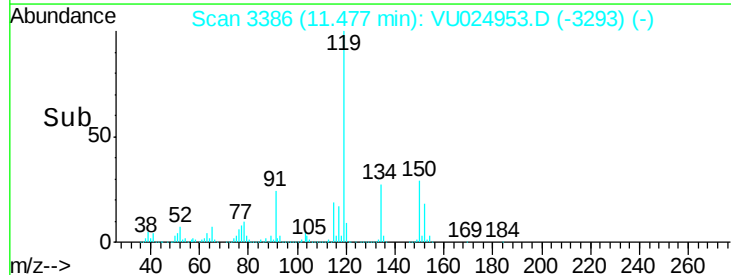
300000

200000

100000

0

Time-->





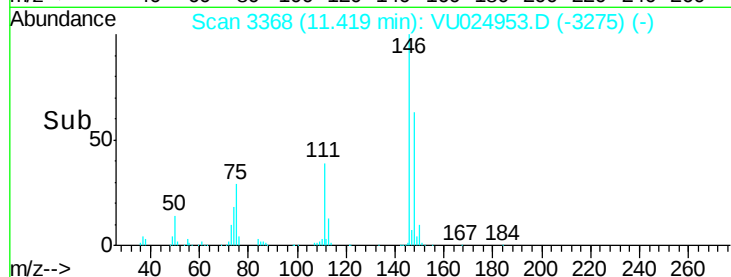
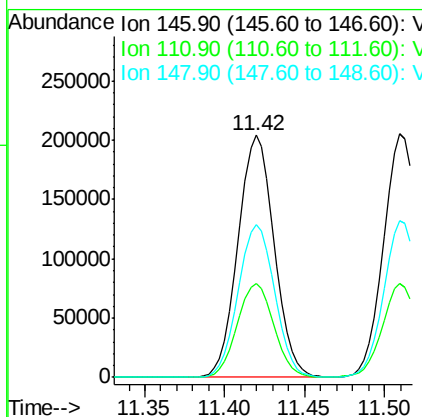
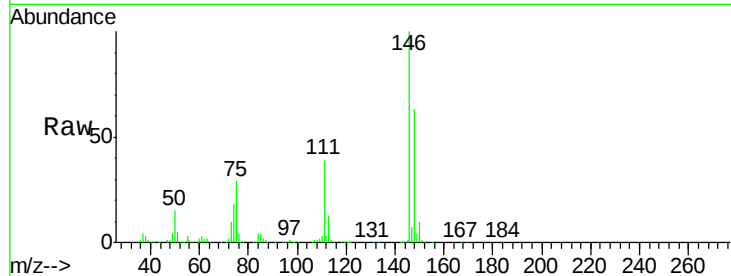
#87
 1,3-Dichlorobenzene
 Concen: 49.59 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	63.7	32.1	96.5

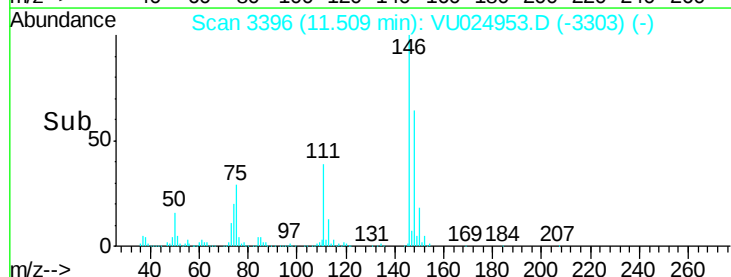
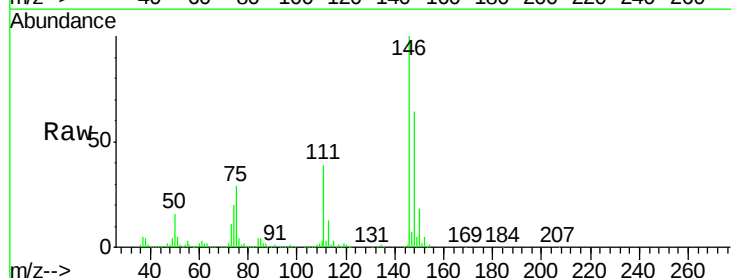
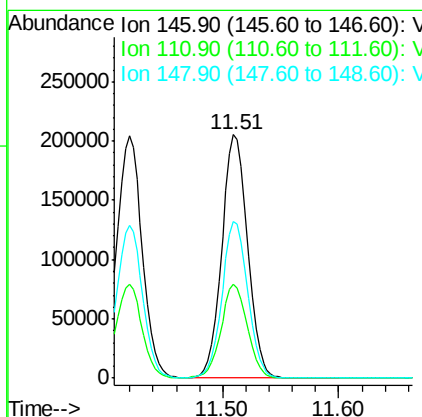
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 49.74 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	64.0	32.4	97.0





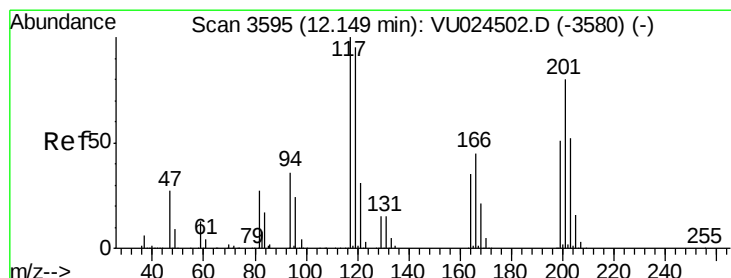
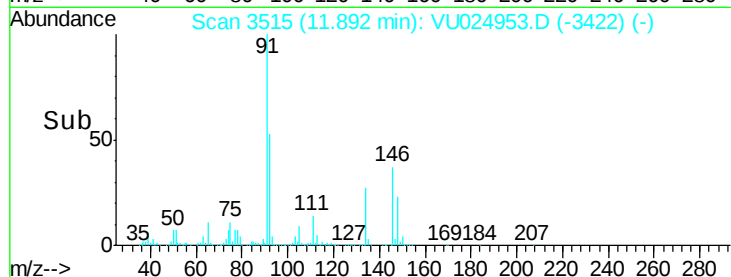
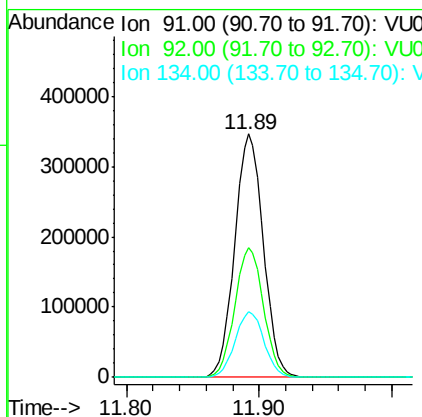
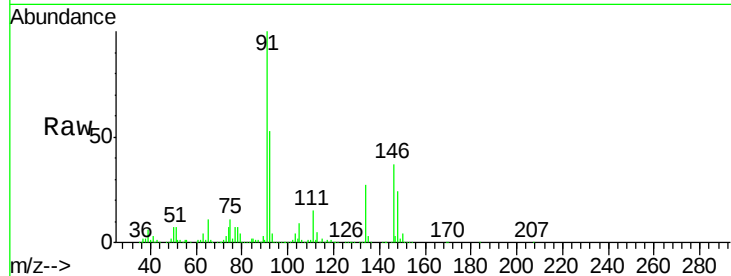
#89
n-Butylbenzene
Concen: 45.92 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	25.6	76.8
134	27.3	12.3	36.8

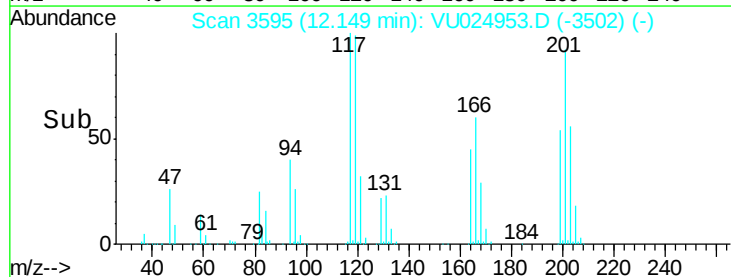
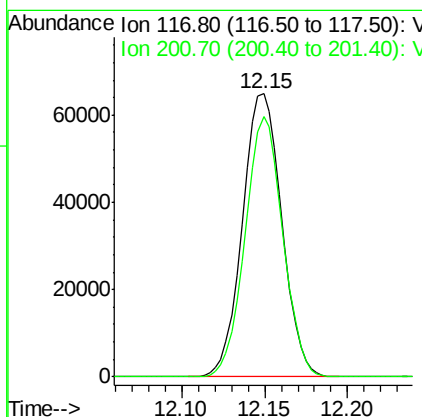
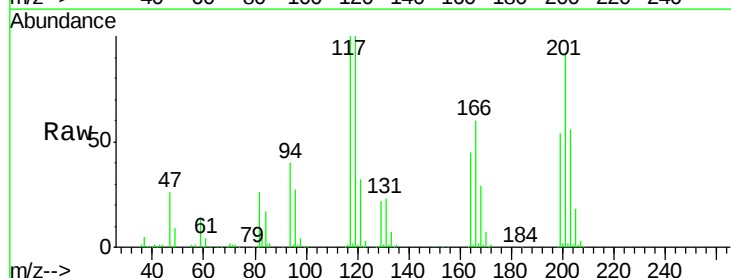
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#90
Hexachloroethane
Concen: 43.28 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	41.1	123.3





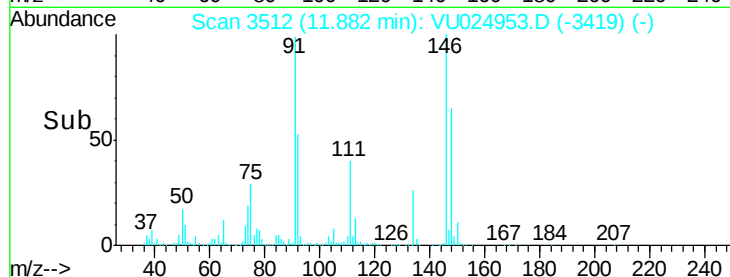
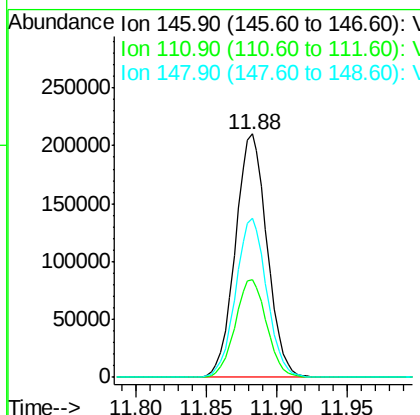
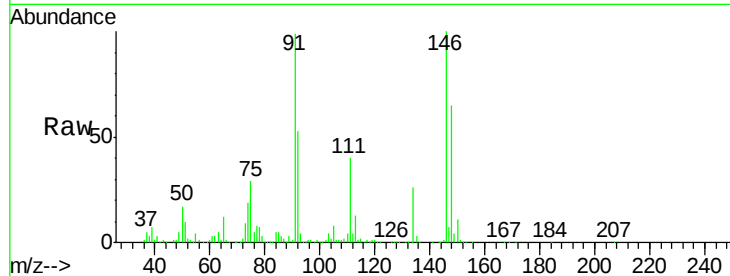
#91
 1,2-Dichlorobenzene
 Concen: 52.10 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.5	61.6
148	64.3	31.9	95.7

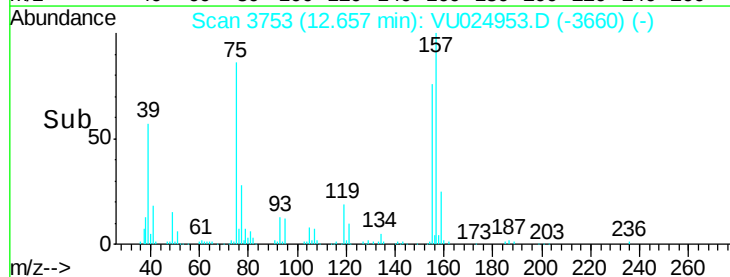
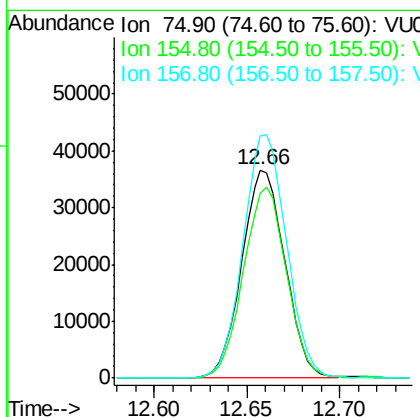
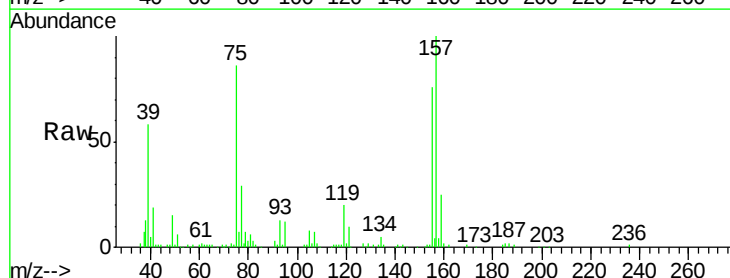
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.17 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	40.4	121.2
157	117.9	52.3	156.8





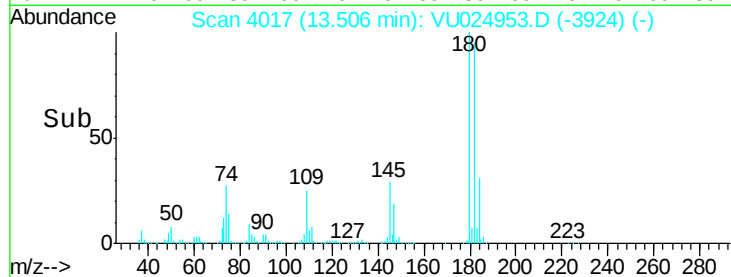
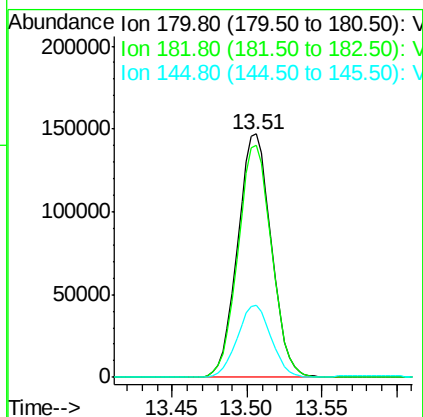
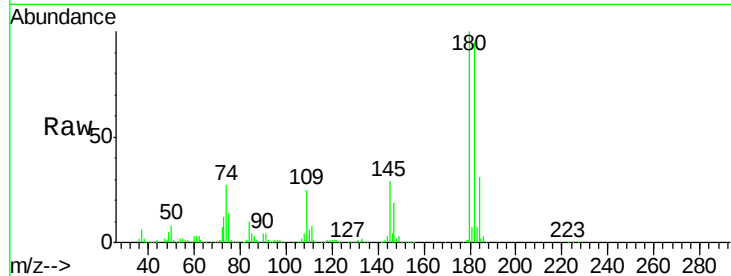
#93
 1,2,4-Trichlorobenzene
 Concen: 58.68 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230315		
182	95.2	48.0	144.2	
145	29.9	14.7	44.1	

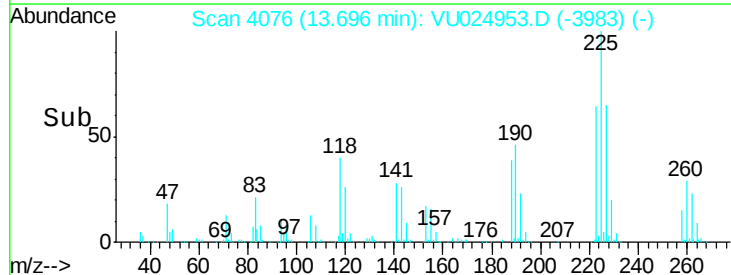
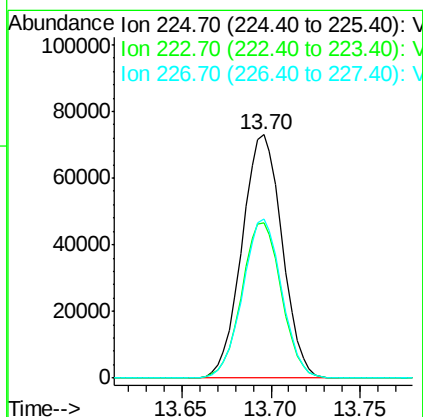
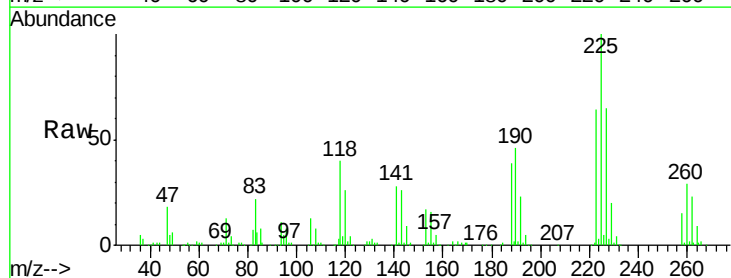
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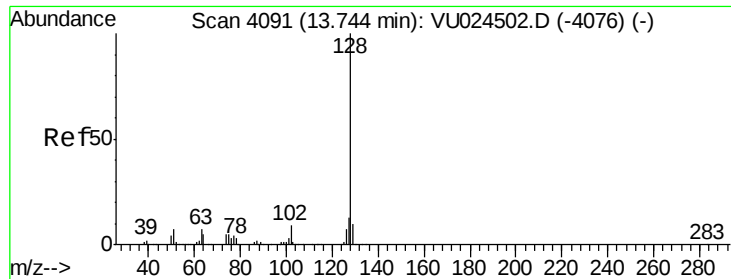
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#94
 Hexachlorobutadiene
 Concen: 51.83 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024953.D
 Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114499		
223	63.0	31.3	93.8	
227	63.5	31.8	95.4	





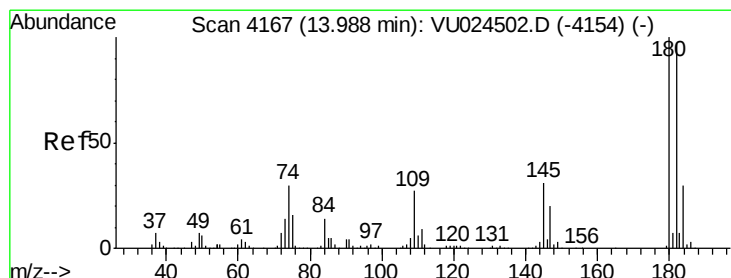
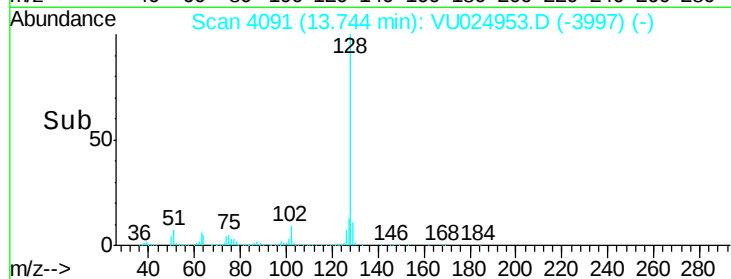
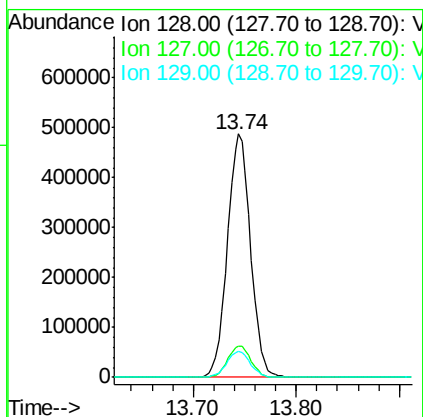
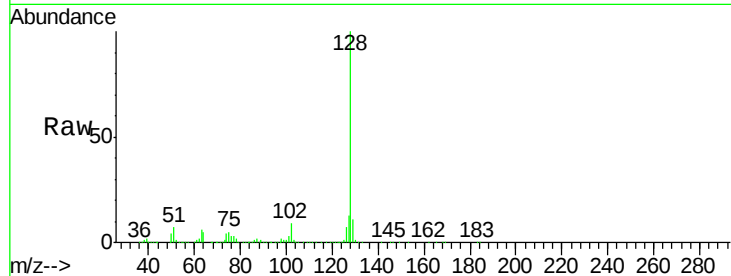
#95
Naphthalene
Concen: 58.35 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 62.17 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU024953.D
Acq: 27 Jun 2018 04:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.9	143.7
145	32.9	15.4	46.1

