

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024955.D
 Acq On : 27 Jun 2018 10:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 13:37:27 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	213801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175300	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	147573	42.28	ug/l	0.00
Spiked Amount			Recovery	=	84.56%	
35) Dibromofluoromethane	4.89	113	122669	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	7.57	98	417757	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
62) 4-Bromofluorobenzene	10.31	95	168898	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	111113	41.52	ug/l	99
3) Chloromethane	1.33	50	111875	40.92	ug/l	99
4) Vinyl Chloride	1.40	62	124246	44.07	ug/l	98
5) Bromomethane	1.63	94	65297	47.91	ug/l	97
6) Chloroethane	1.70	64	78781	50.00	ug/l	99
7) Trichlorofluoromethane	1.89	101	205588	47.78	ug/l	100
8) Diethyl Ether	2.10	74	76619	52.41	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	128698	48.21	ug/l	98
10) Methyl Iodide	2.41	142	126461	55.34	ug/l	99
11) Tert butyl alcohol	2.83	59	171306	201.80	ug/l	99
12) 1,1-Dichloroethene	2.28	96	115326	47.37	ug/l	96
13) Acrolein	2.20	56	86266	193.52	ug/l	97
14) Allyl chloride	2.60	41	222092	49.13	ug/l	92
15) Acrylonitrile	2.94	53	361119	218.65	ug/l	99
16) Acetone	2.33	43	563511	300.48	ug/l	99
17) Carbon Disulfide	2.48	76	329418	42.26	ug/l	99
18) Methyl Acetate	2.62	43	201147	50.03	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	444573	48.58	ug/l	97
20) Methylene Chloride	2.70	84	134362	45.66	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	126261	47.09	ug/l	97
22) Diisopropyl ether	3.57	45	421394	47.03	ug/l	96
23) Vinyl Acetate	3.53	43	1800190	224.28	ug/l	98
24) 1,1-Dichloroethane	3.45	63	246006	47.72	ug/l	99
25) 2-Butanone	4.26	43	633424	251.46	ug/l	96
26) 2,2-Dichloropropane	4.23	77	237961	48.62	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	148080	48.04	ug/l	99
28) Bromochloromethane	4.55	49	98073	43.20	ug/l	83
29) Tetrahydrofuran	4.64	42	330305	211.74	ug/l	95
30) Chloroform	4.68	83	253620	48.61	ug/l	98
31) Cyclohexane	5.00	56	228802	49.98	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	236911	49.10	ug/l	96
36) 1,1-Dichloropropene	5.14	75	188460	52.06	ug/l	97
37) Ethyl Acetate	4.38	43	197663	50.10	ug/l	97
38) Carbon Tetrachloride	5.14	117	214236	53.82	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	242937	53.78	ug/l	95
40) Benzene	5.39	78	535712	51.94	ug/l	100
41) Methacrylonitrile	4.54	41	109845	51.64	ug/l	98
42) 1,2-Dichloroethane	5.41	62	215414	54.83	ug/l	99
43) Isopropyl Acetate	5.55	43	319474	46.85	ug/l	98
44) Trichloroethene	6.19	130	153772	52.38	ug/l	93
45) 1,2-Dichloropropane	6.44	63	143364	52.09	ug/l	97
46) Dibromomethane	6.56	93	101074	52.28	ug/l	93
47) Bromodichloromethane	6.76	83	198353	51.53	ug/l	99
48) Methyl methacrylate	6.62	41	166220	50.05	ug/l	99
49) 1,4-Dioxane	6.63	88	74536	1147.73	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	997547	232.83	ug/l	97
52) Toluene	7.64	92	349051	52.60	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	221637	51.27	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	231432	50.24	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	140385	52.04	ug/l	97
56) Ethyl methacrylate	8.02	69	223515	49.51	ug/l	98
57) 1,3-Dichloropropane	8.25	76	236984	52.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	56745	32.81	ug/l	94
59) 2-Hexanone	8.36	43	872009	249.30	ug/l	98
60) Dibromochloromethane	8.48	129	163272	48.54	ug/l	99
61) 1,2-Dibromoethane	8.59	107	155437	51.77	ug/l	100
64) Tetrachloroethene	8.23	164	142876	52.39	ug/l	98
65) Chlorobenzene	9.12	112	395976	54.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	149136	53.56	ug/l	97
67) Ethyl Benzene	9.25	91	692993	53.93	ug/l	98
68) m/p-Xylenes	9.38	106	536596	108.76	ug/l	98
69) o-Xylene	9.78	106	261254	53.50	ug/l	97
70) Styrene	9.80	104	423592	52.79	ug/l	99
71) Bromoform	9.96	173	130398	49.27	ug/l #	99
73) Isopropylbenzene	10.17	105	714000	53.05	ug/l	99
74) N-amyl acetate	10.01	43	292708	45.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	220970	48.99	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	190639m	49.40	ug/l	
77) Bromobenzene	10.45	156	182636	53.60	ug/l	94
78) n-propylbenzene	10.59	91	819972	51.72	ug/l	96
79) 2-Chlorotoluene	10.66	91	481597	51.51	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	619388	53.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	77054m	46.21	ug/l	
82) 4-Chlorotoluene	10.78	91	563607	51.79	ug/l	100
83) tert-Butylbenzene	11.10	119	607887	54.17	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	627344	52.77	ug/l	100
85) sec-Butylbenzene	11.33	105	741230	52.77	ug/l	98
86) p-Isopropyltoluene	11.48	119	670930	53.33	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	333999	53.06	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	336404	53.09	ug/l	99
89) n-Butylbenzene	11.89	91	573189	51.32	ug/l	98
90) Hexachloroethane	12.15	117	117531	47.89	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	337118	53.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58445	46.96	ug/l	92

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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)
93) 1,2,4-Trichlorobenzene	13.51	180	234483	60.22	ug/l	99
94) Hexachlorobutadiene	13.70	225	124150	56.65	ug/l	99
95) Naphthalene	13.74	128	731776	56.68	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	241498	62.25	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 213801

Ion Ratio Lower Upper

168 100

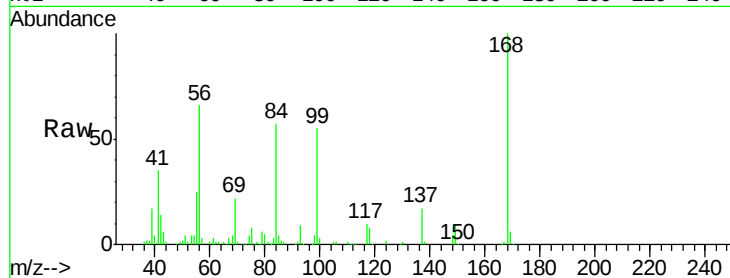
99 55.0 43.2 64.8

Manual Integrations

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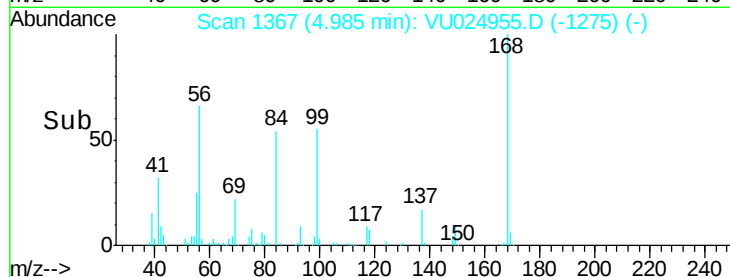
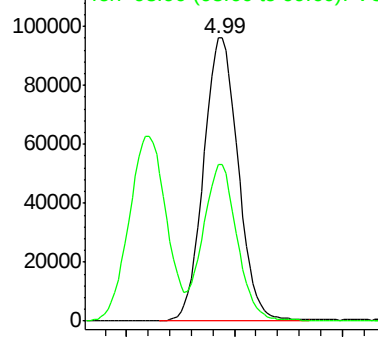
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 41.52 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024955.D

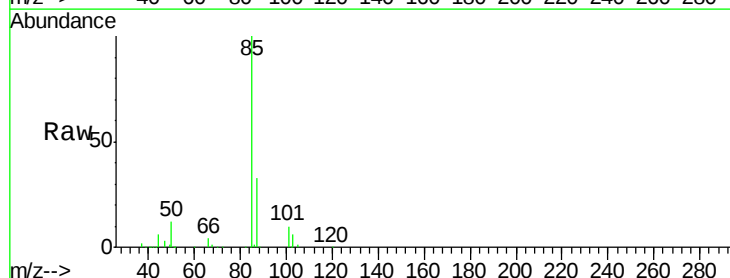
Acq: 27 Jun 2018 10:11

Tgt Ion: 85 Resp: 111113

Ion Ratio Lower Upper

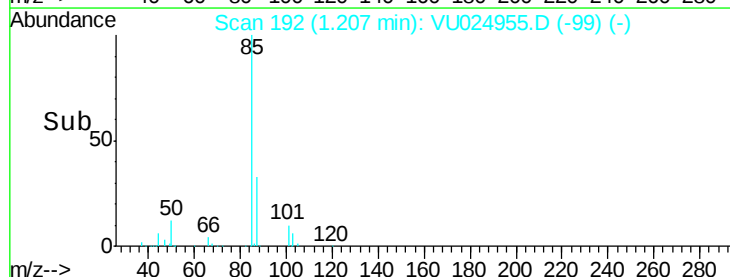
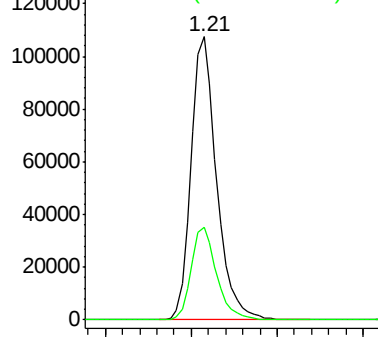
85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 40.92 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 111875

Ion Ratio Lower Upper

50 100

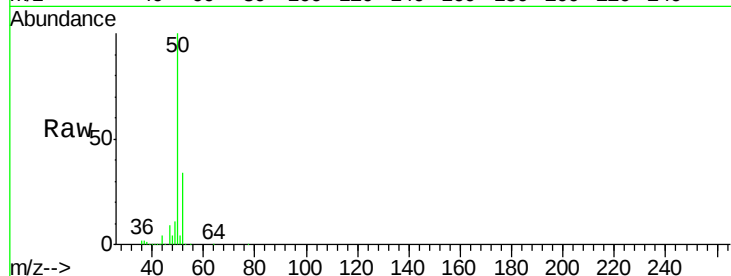
52 33.7 26.4 39.6

Manual Integrations

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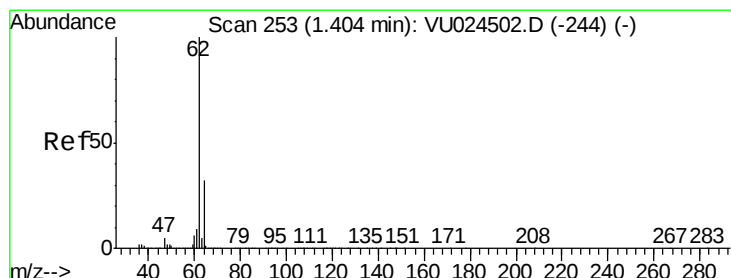
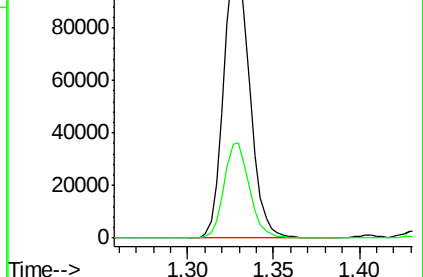
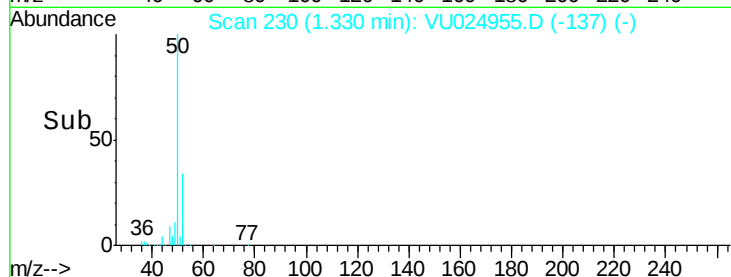


Abundance Ion 49.90 (49.60 to 50.60): VU024955.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024955.D (-137) (-)

1.33

Time-->



#4

Vinyl Chloride

Concen: 44.07 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024955.D

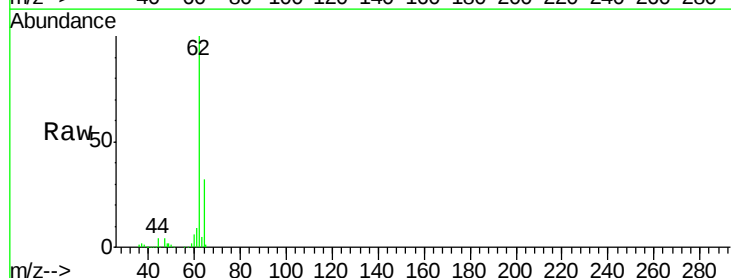
Acq: 27 Jun 2018 10:11

Tgt Ion: 62 Resp: 124246

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2

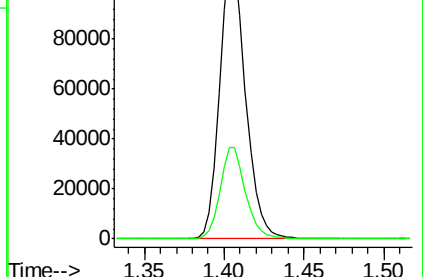
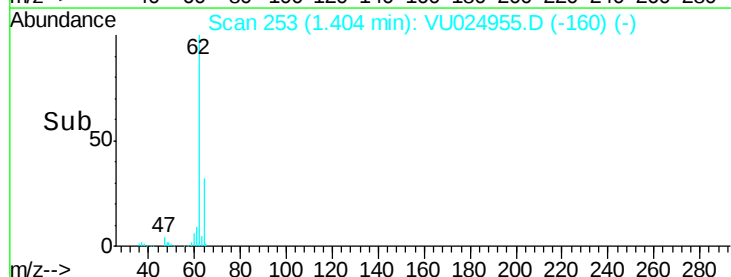


Abundance Ion 61.90 (61.60 to 62.60): VU024955.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU024955.D (-160) (-)

1.40

Time-->





#5

Bromomethane

Concen: 47.91 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65297

Ion Ratio Lower Upper

94 100

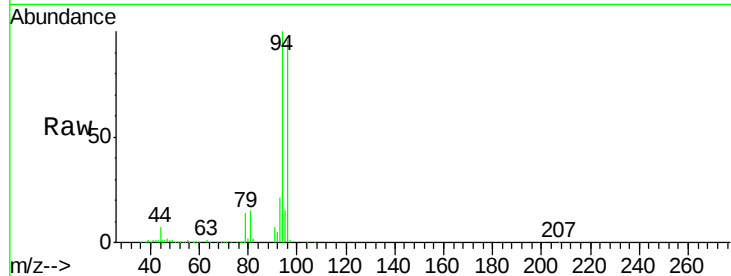
96 96.4 74.5 111.7

Manual Integrations

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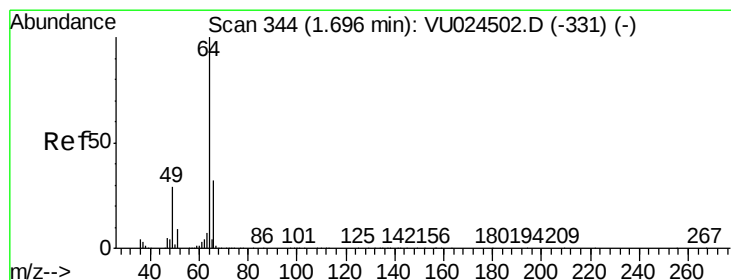
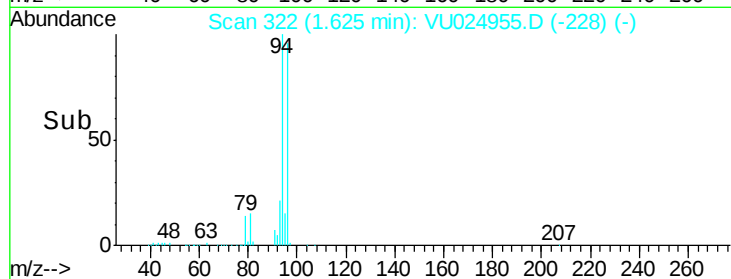
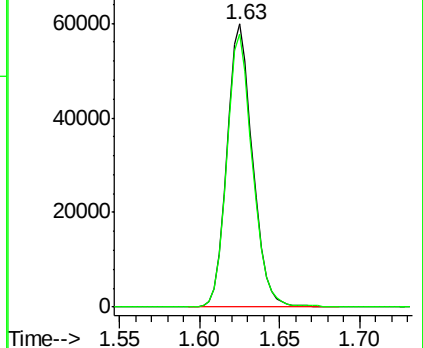
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.00 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024955.D

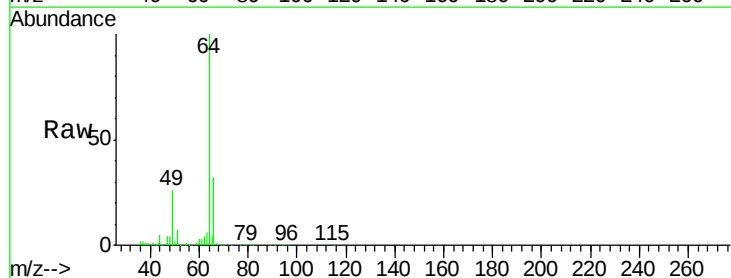
Acq: 27 Jun 2018 10:11

Tgt Ion: 64 Resp: 78781

Ion Ratio Lower Upper

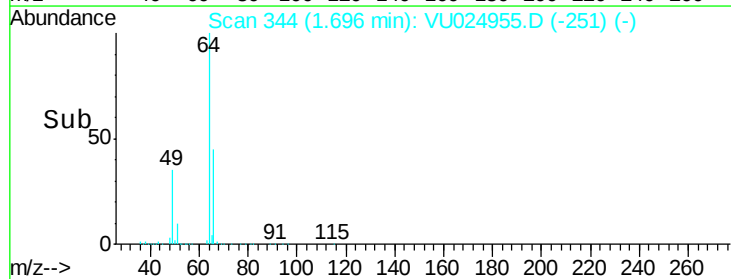
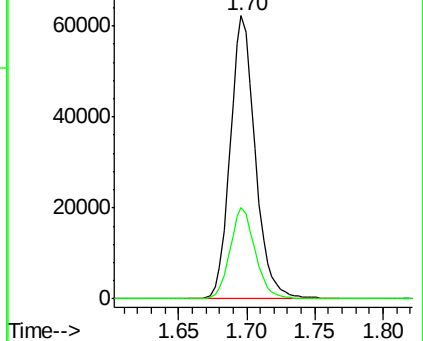
64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

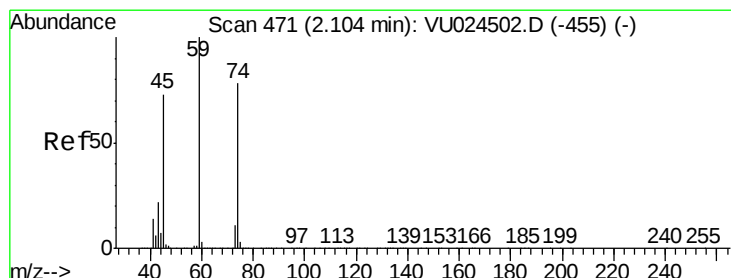
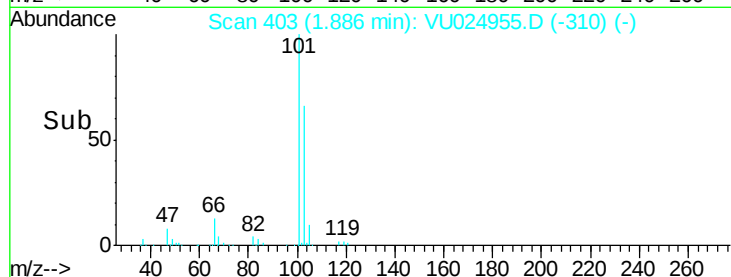
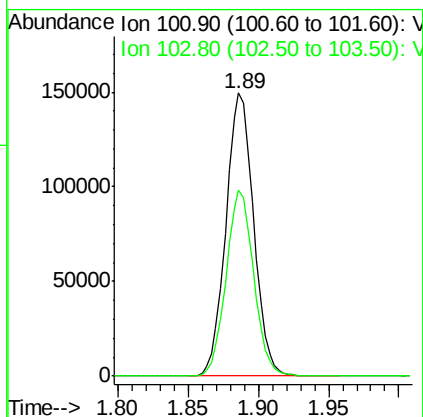
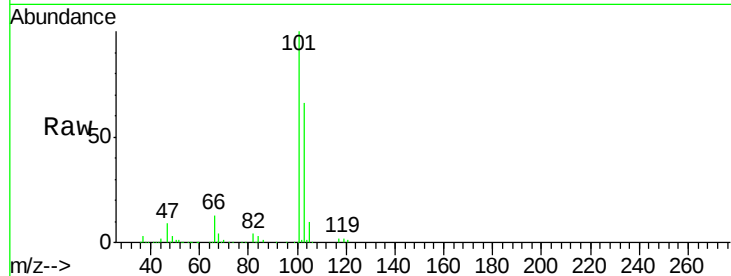
Trichlorofluoromethane
 Concen: 47.78 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

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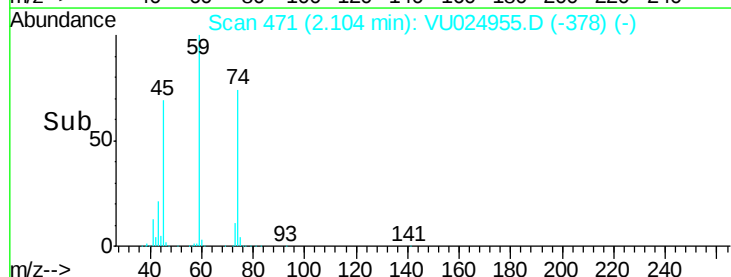
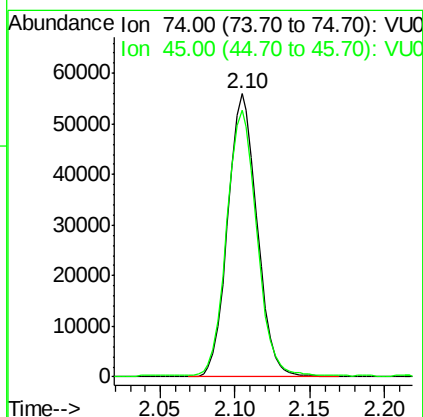
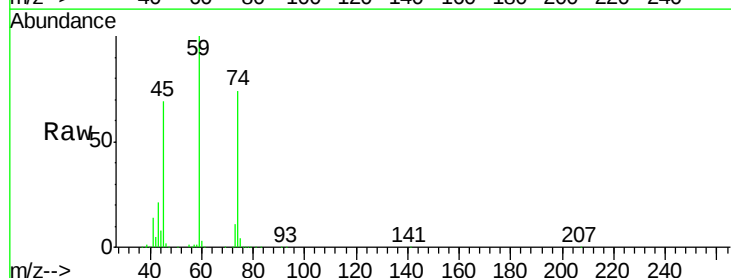
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#8

Diethyl Ether
 Concen: 52.41 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.21 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

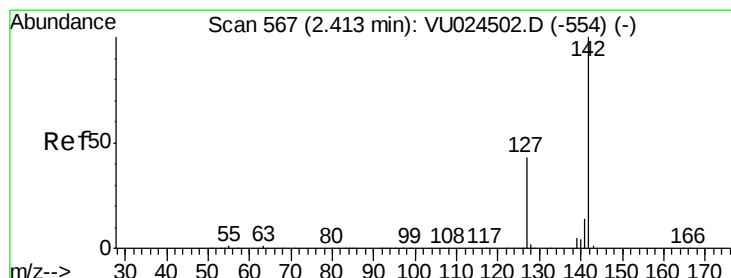
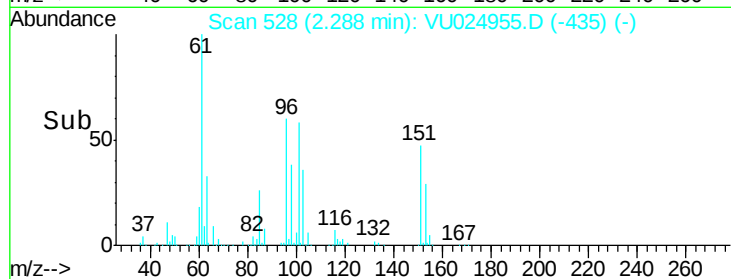
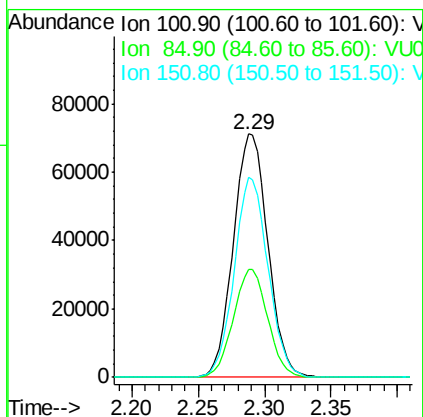
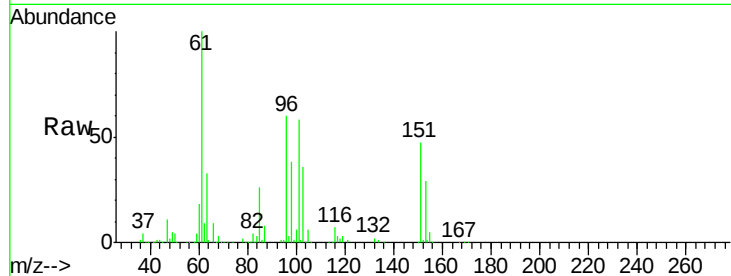
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128698
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	80.6	62.3	93.5

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#10

Methyl Iodide

Concen: 55.34 ug/l

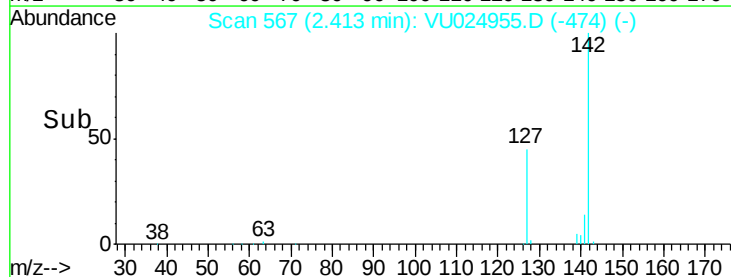
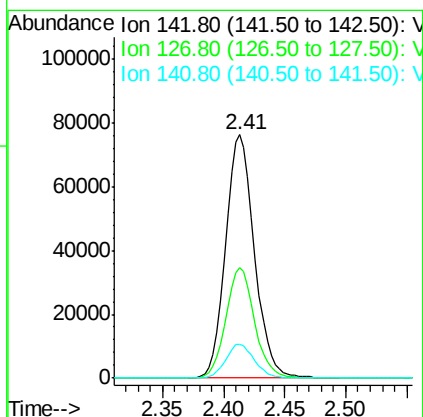
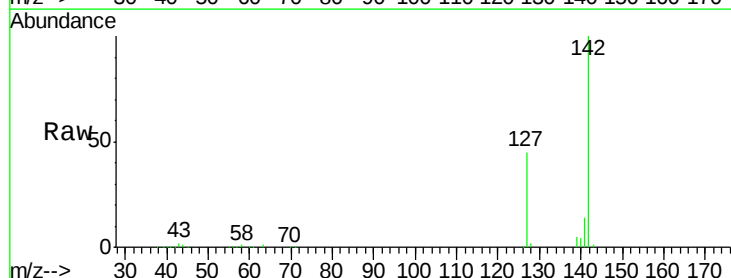
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	142	Resp:	126461
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.6	53.4
141	14.0	11.7	17.5





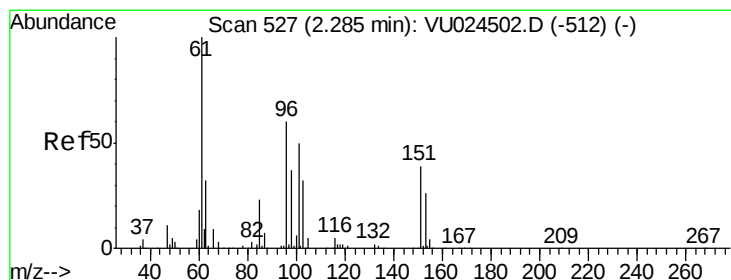
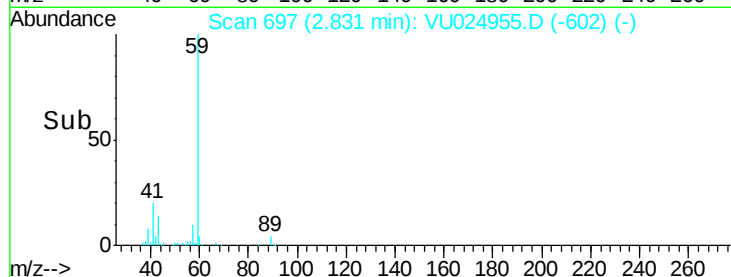
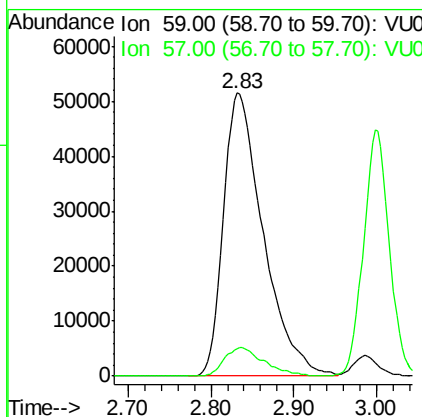
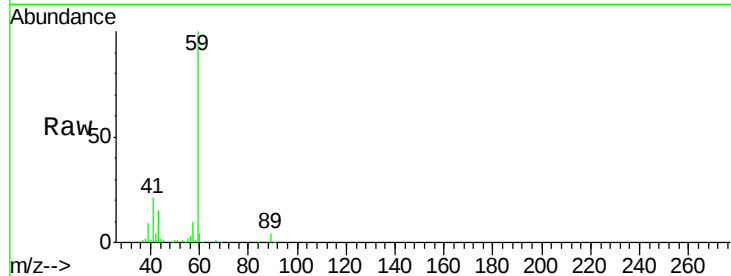
#11
Tert butyl alcohol
Concen: 201.80 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

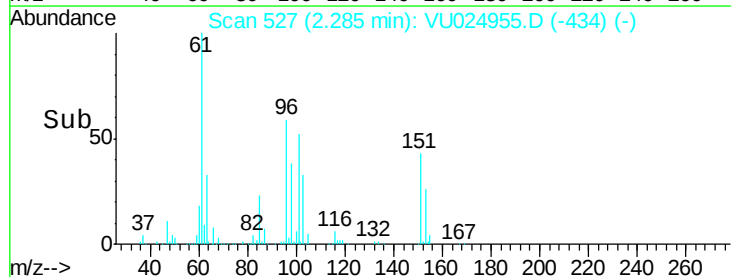
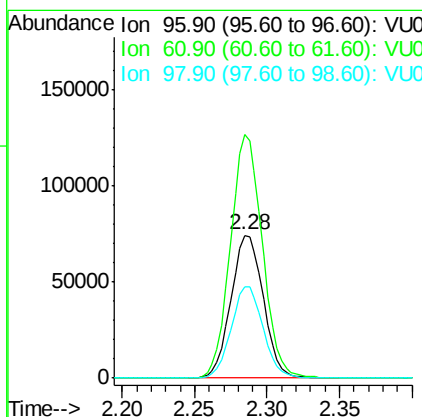
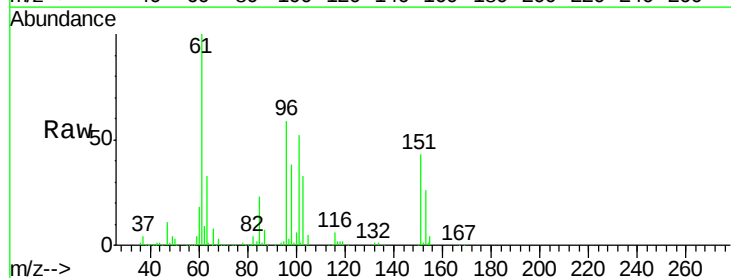
Manual Integrations
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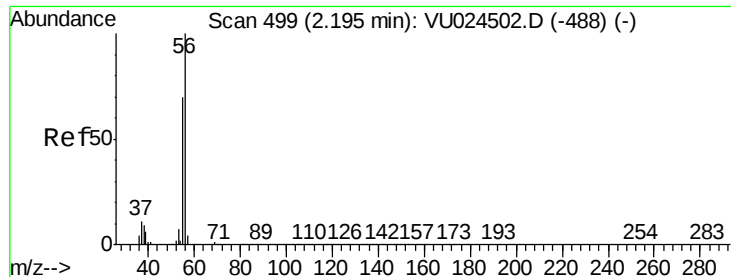
MMDadoda
6/28/2018 4:37:00 PM



#12
1,1-Dichloroethene
Concen: 47.37 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	141.7	212.5
98	64.0	51.6	77.4





#13

Acrolein

Concen: 193.52 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86266

Ion Ratio Lower Upper

56 100

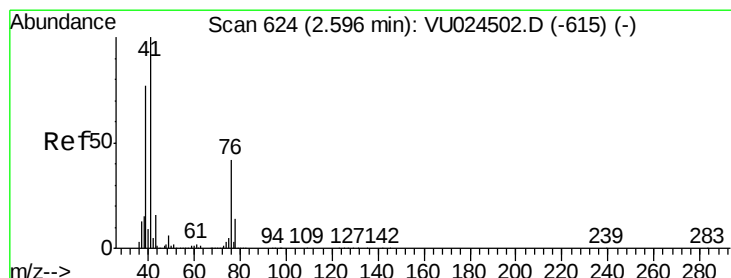
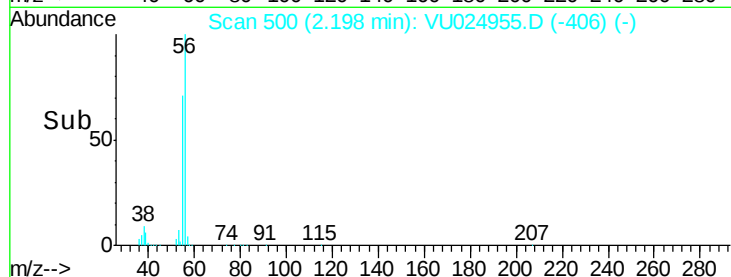
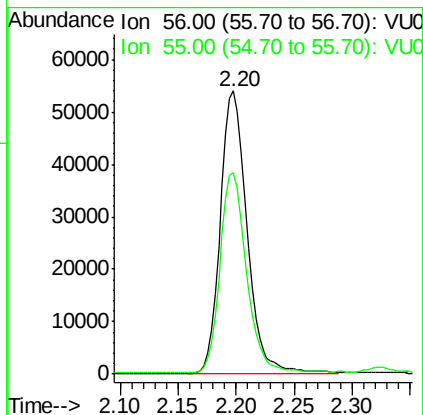
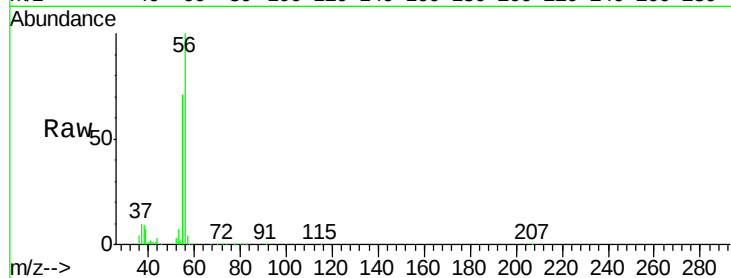
55 70.6 58.4 87.6

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#14

Allyl chloride

Concen: 49.13 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

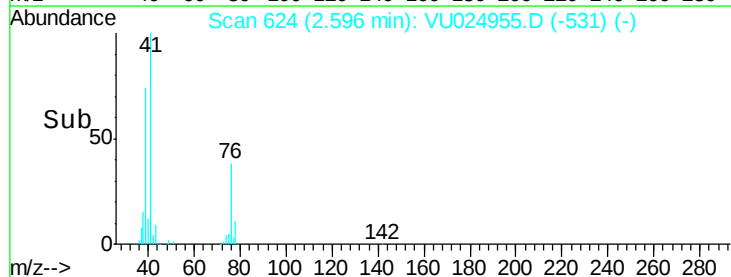
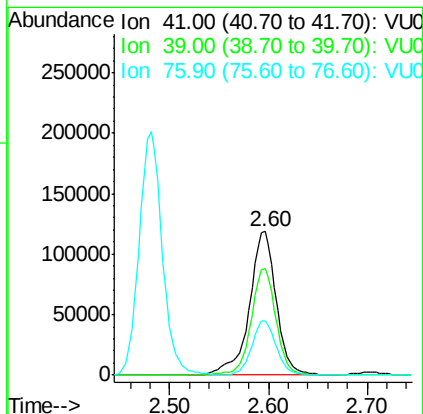
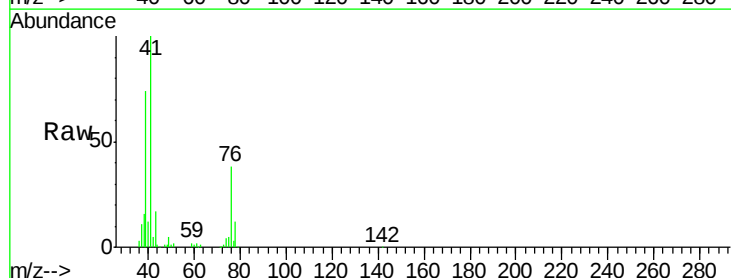
Tgt Ion: 41 Resp: 222092

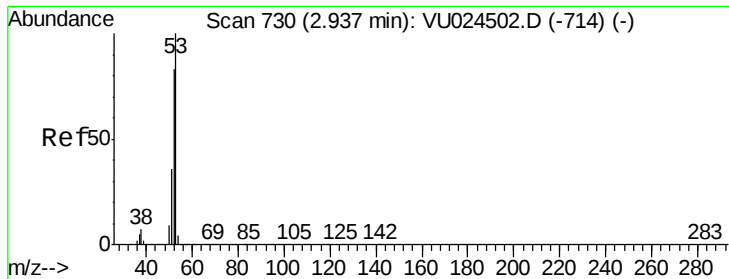
Ion Ratio Lower Upper

41 100

39 68.3 61.6 92.4

76 34.7 29.7 44.5





#15

Acrylonitrile

Concen: 218.65 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

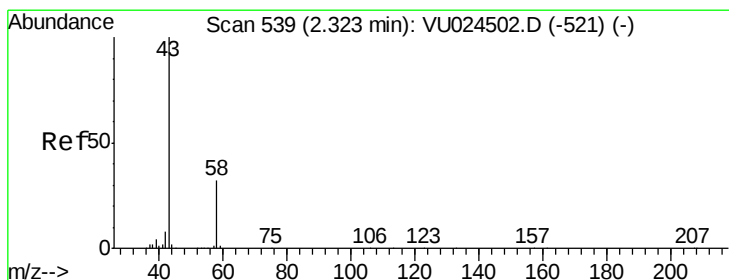
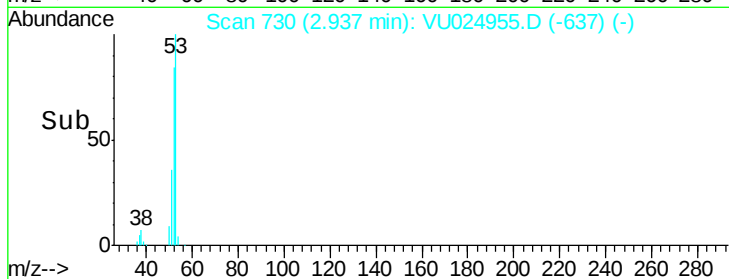
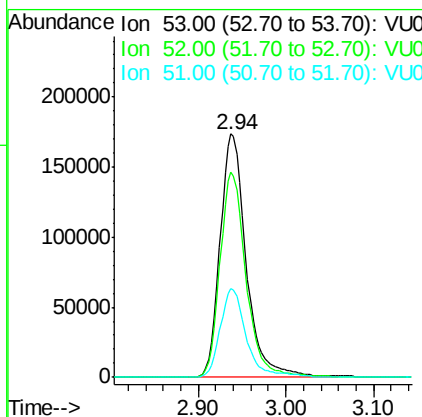
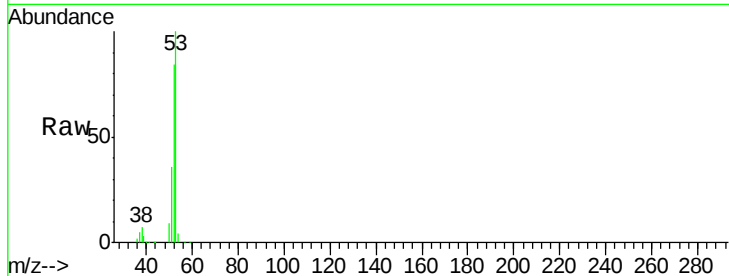
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	361119
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.1	100.7
51	36.3	28.4	42.6

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#16

Acetone

Concen: 300.48 ug/l

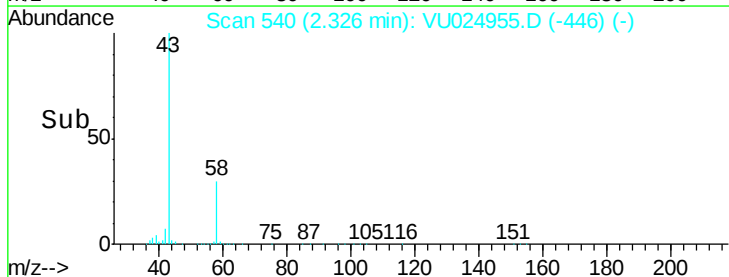
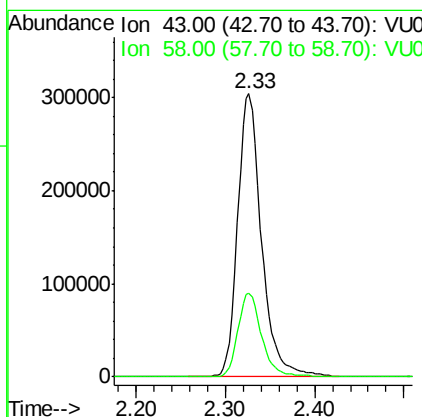
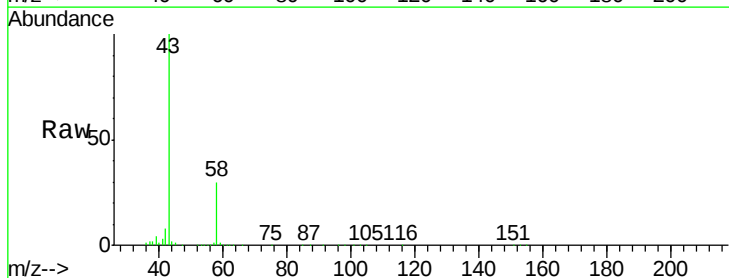
RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	43	Resp:	563511
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





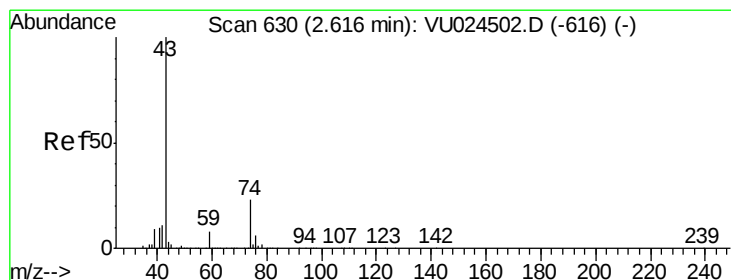
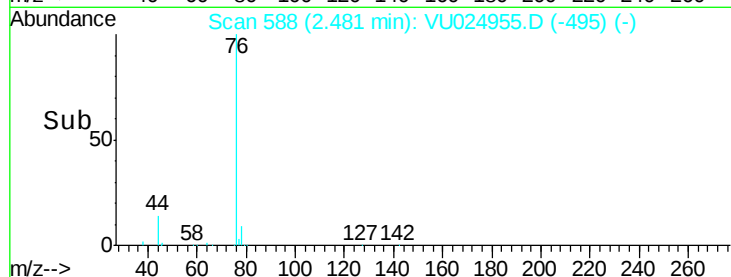
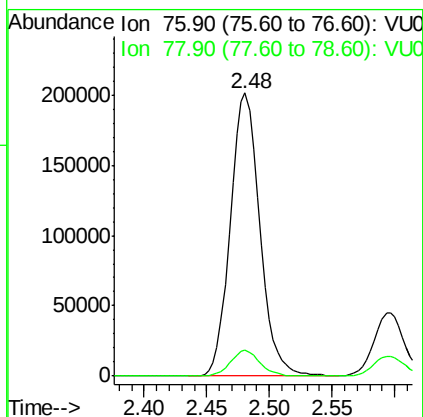
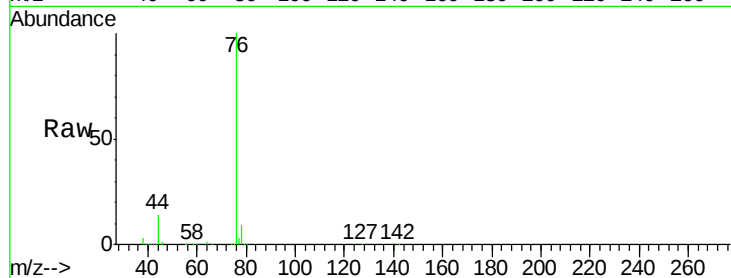
#17
Carbon Disulfide
Concen: 42.26 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

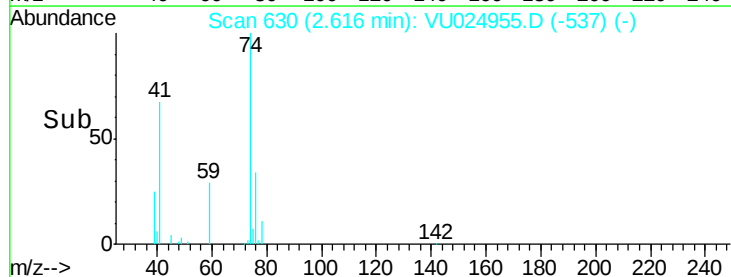
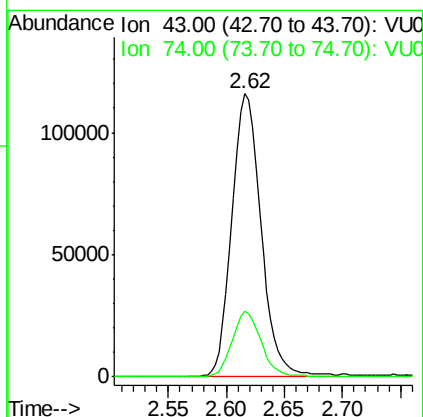
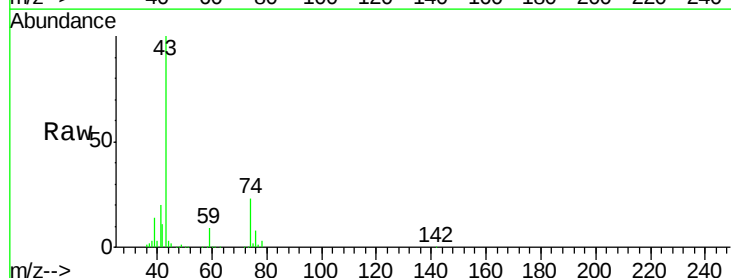
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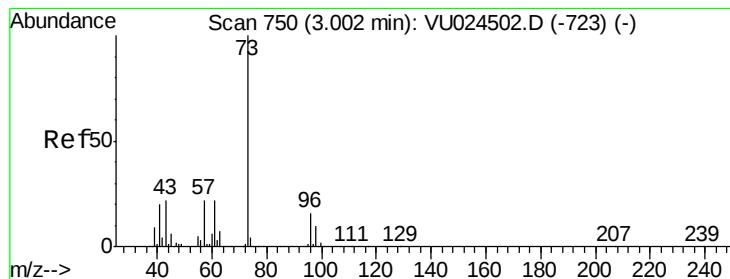
MMDadoda
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#18
Methyl Acetate
Concen: 50.03 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.0	27.0





#19

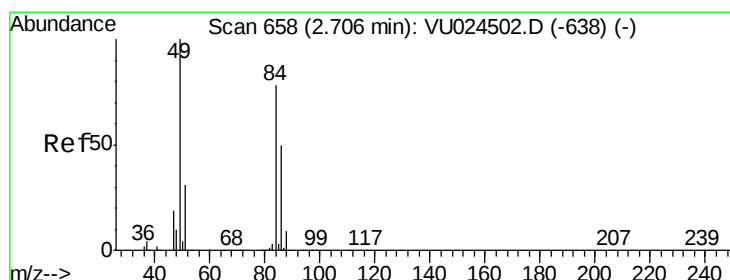
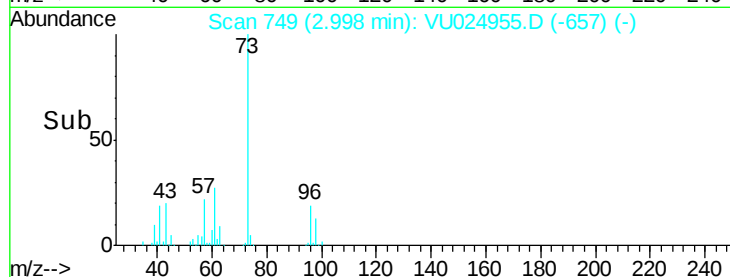
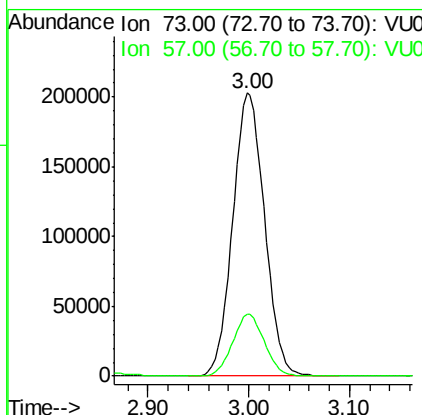
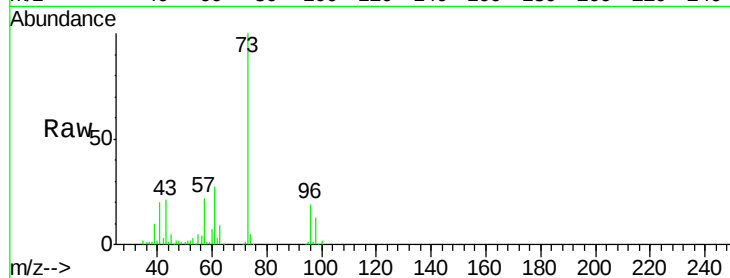
Methyl tert-butyl Ether
 Concen: 48.58 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.8	28.2

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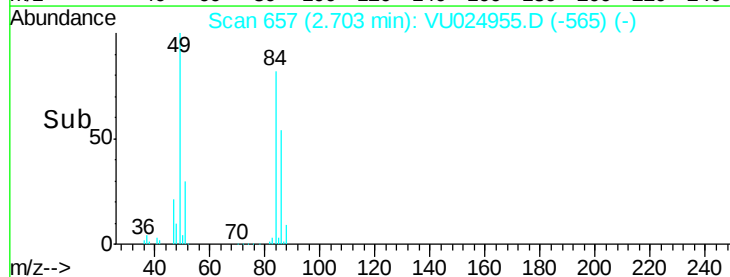
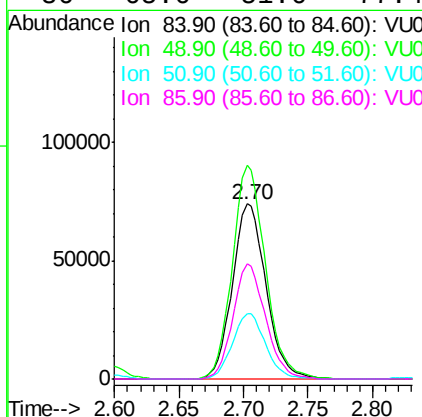
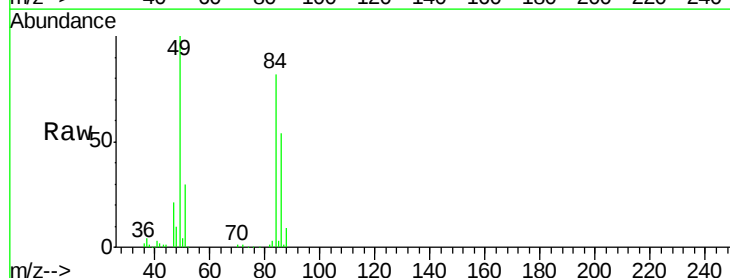
MMDadoda
 6/28/2018 4:37:00 PM



#20

Methylene Chloride
 Concen: 45.66 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	103.8	155.8
51	37.1	32.0	48.0
86	65.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 47.09 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

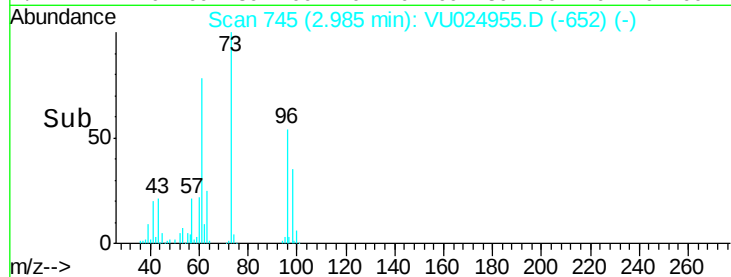
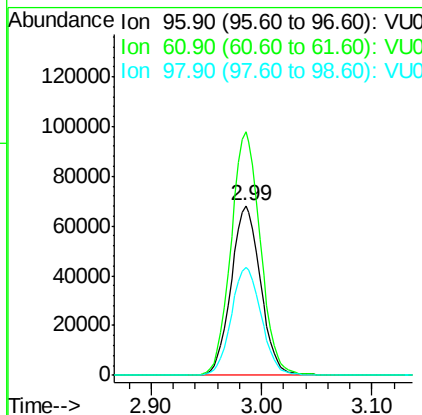
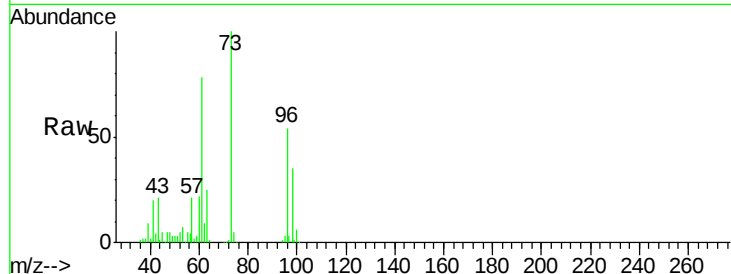
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	126261
Ion Ratio	Lower	Upper	
96	100		
61	143.7	119.4	179.0
98	63.8	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.03 ug/l

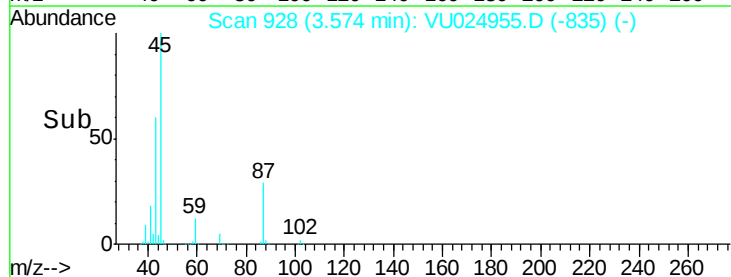
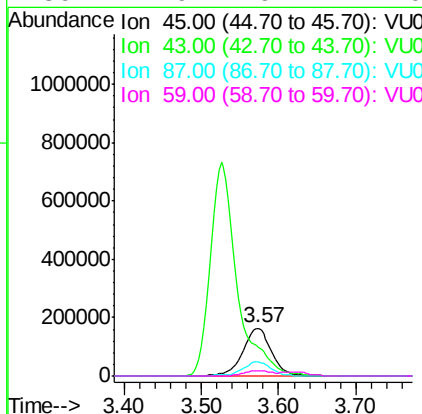
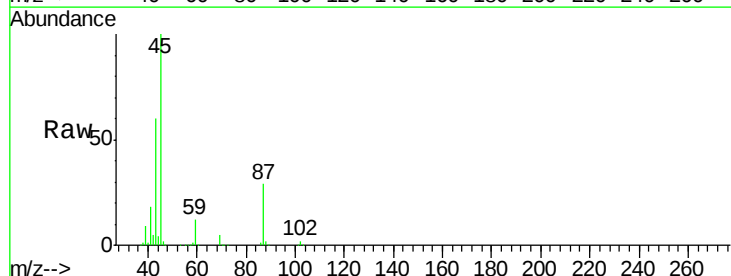
RT: 3.57 min Scan# 928

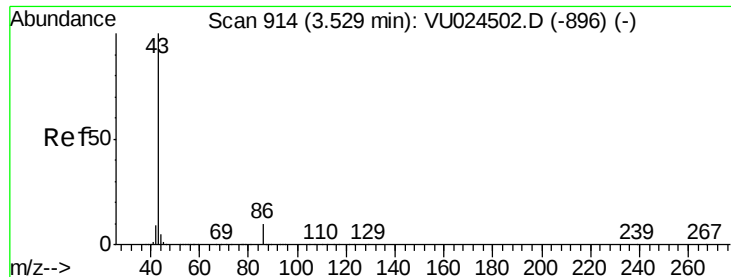
Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	45	Resp:	421394
Ion Ratio	Lower	Upper	
45	100		
43	59.3	45.8	68.6
87	29.2	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 224.28 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tot Ion: 43 Resp: 1800190

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

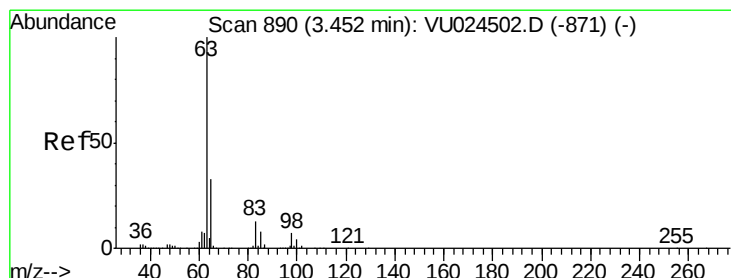
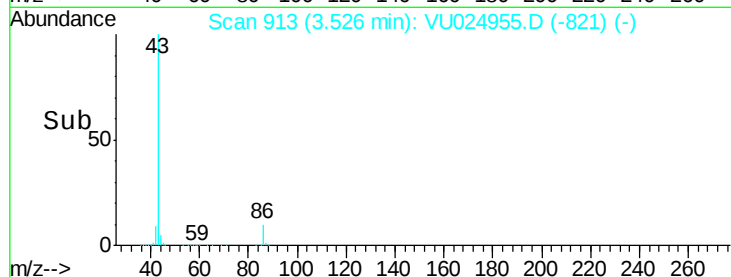
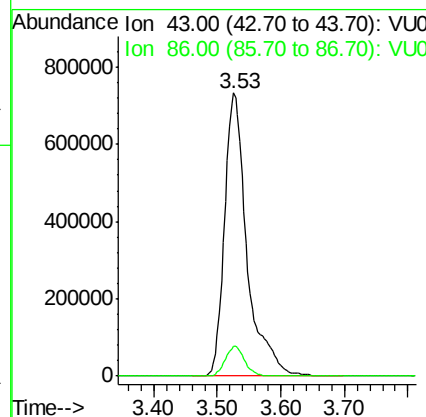
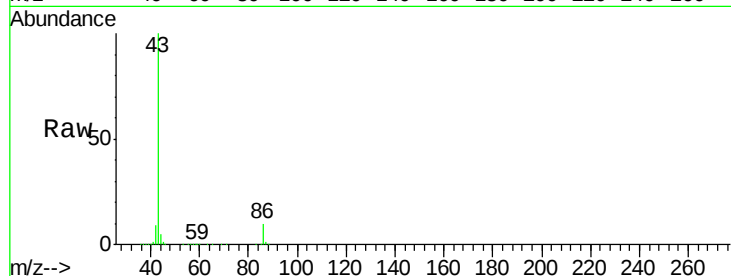
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 47.72 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

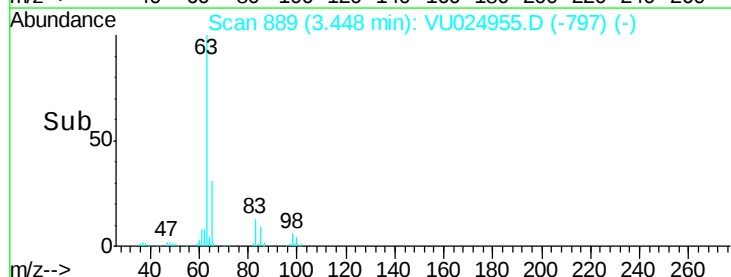
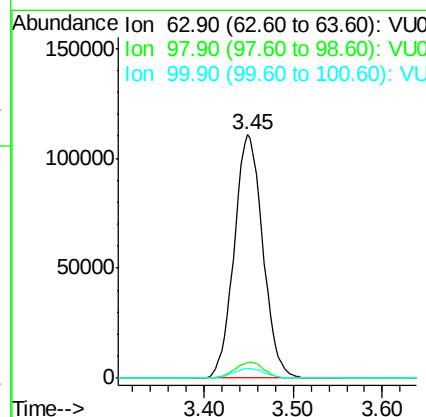
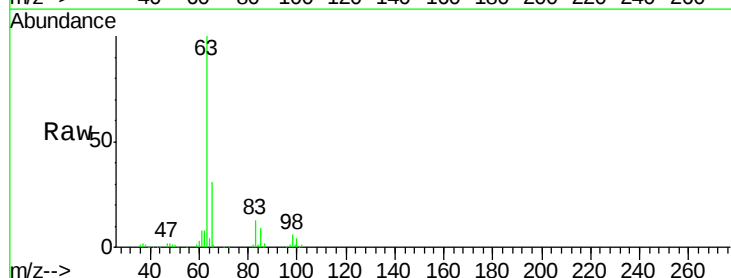
Tgt Ion: 63 Resp: 246006

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 251.46 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 633424

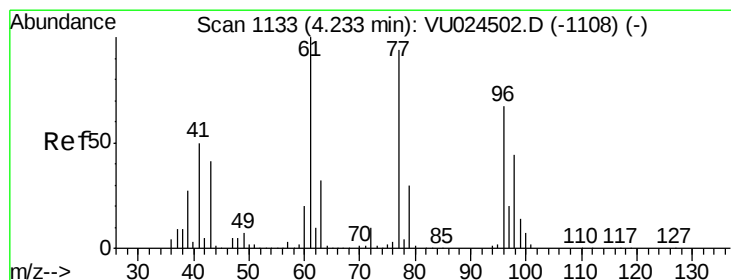
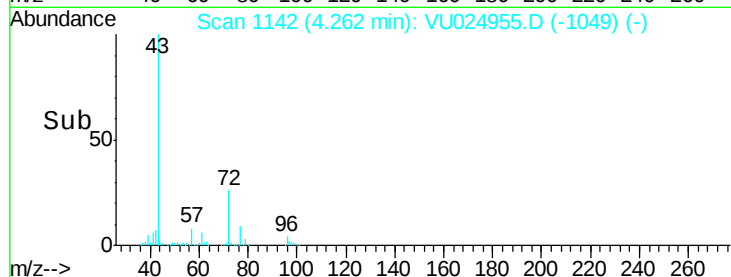
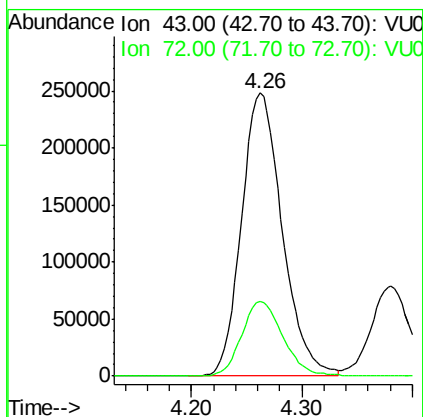
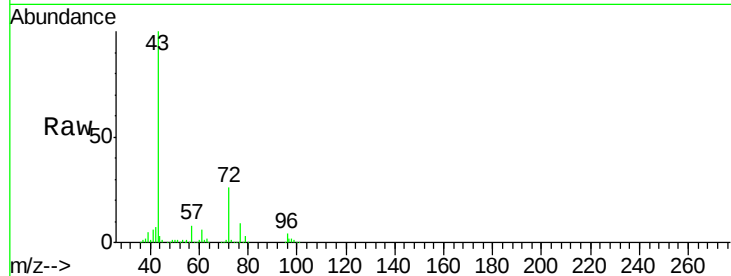
Ion Ratio Lower Upper

43 100

72 26.3 19.6 29.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 48.62 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024955.D

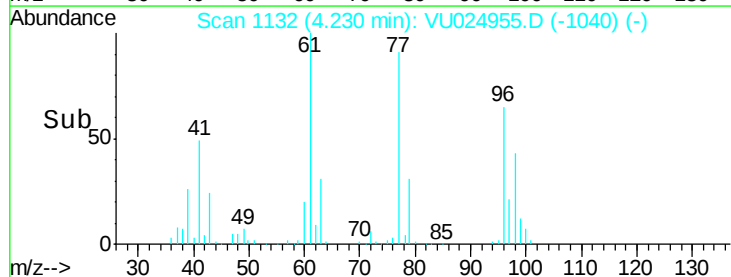
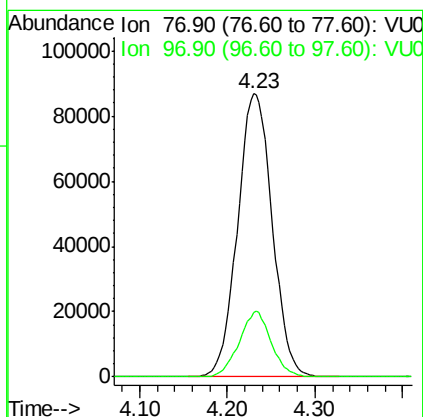
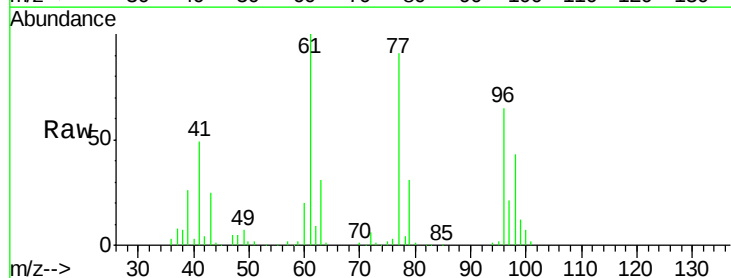
Acq: 27 Jun 2018 10:11

Tgt Ion: 77 Resp: 237961

Ion Ratio Lower Upper

77 100

97 21.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.04 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

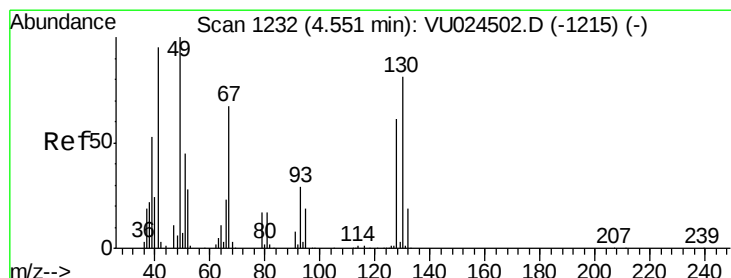
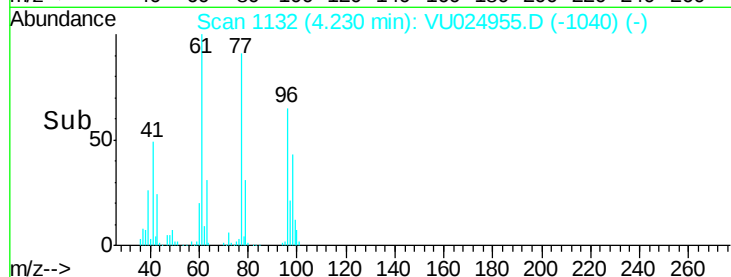
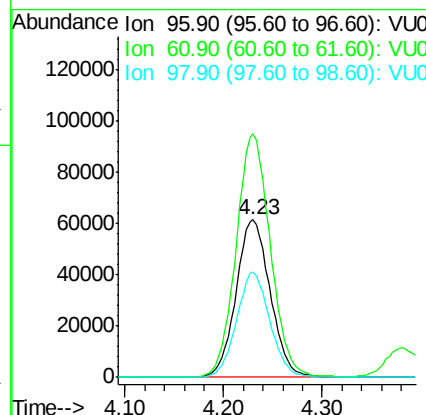
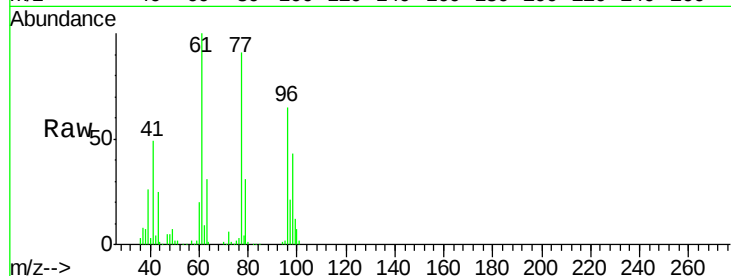
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	148080
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	306.6
98	65.3	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 43.20 ug/l

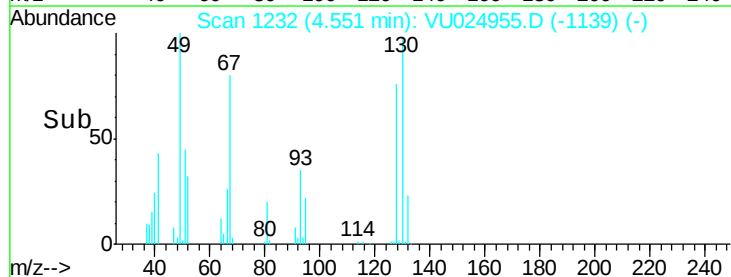
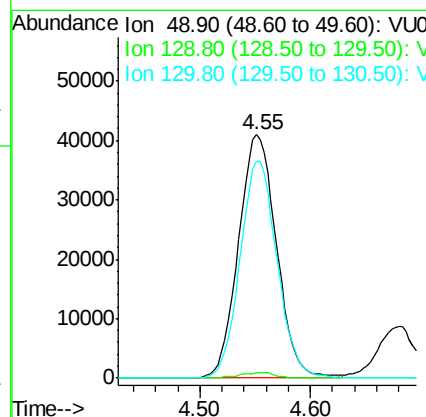
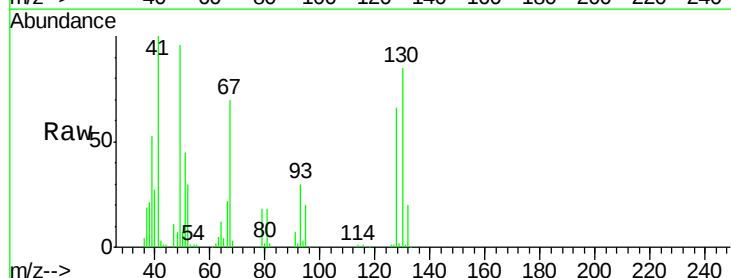
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	49	Resp:	98073
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	86.6	57.8	86.6





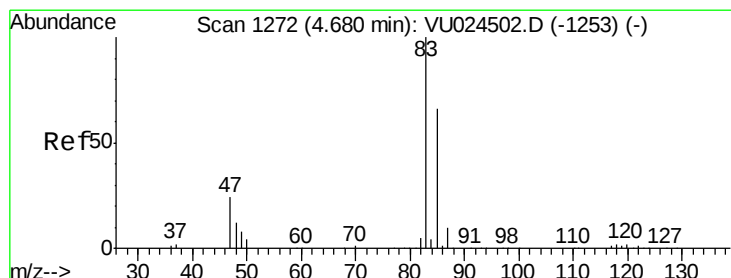
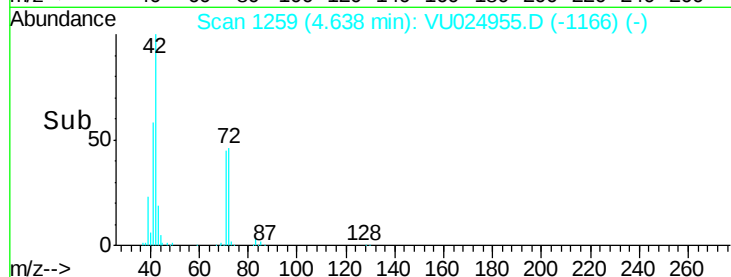
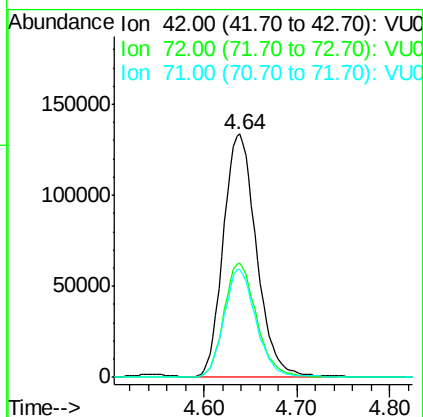
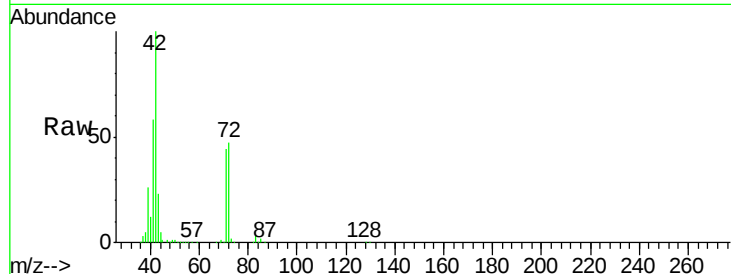
#29
Tetrahydrofuran
Concen: 211.74 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	34.5	51.7
71	43.1	32.2	48.4

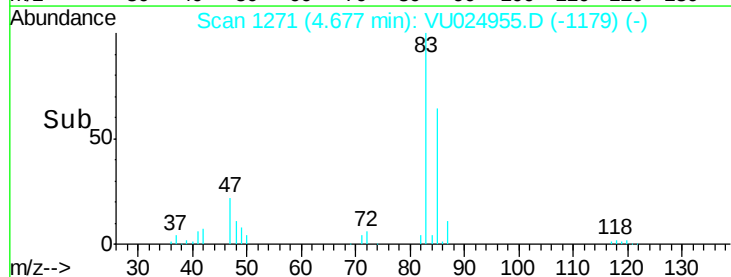
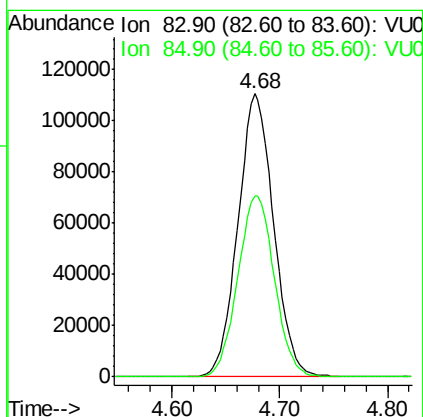
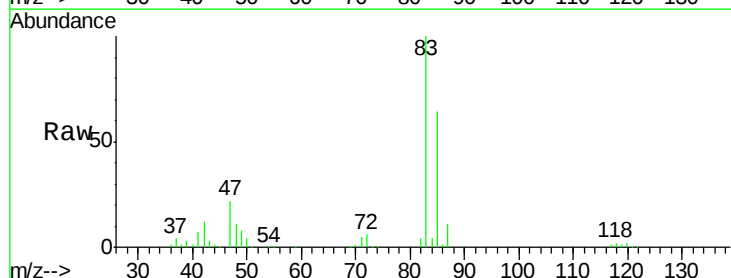
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#30
Chloroform
Concen: 48.61 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6





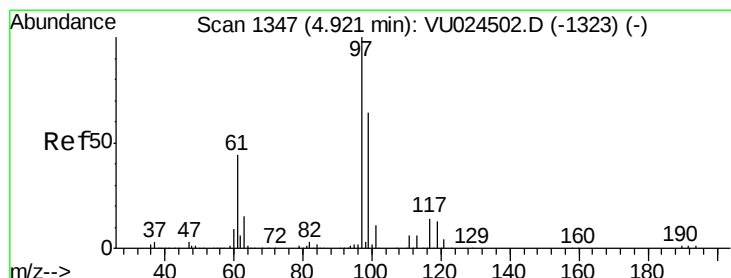
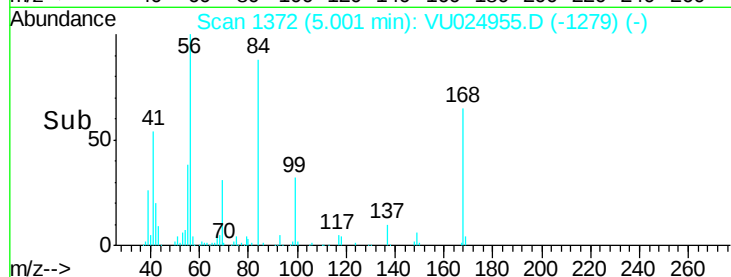
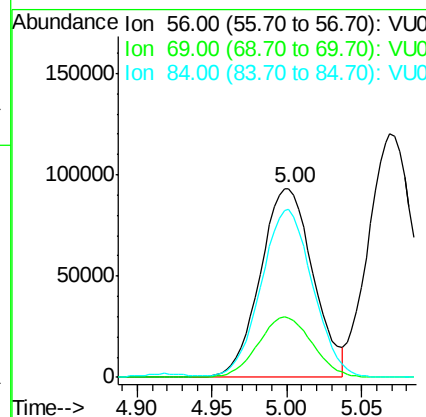
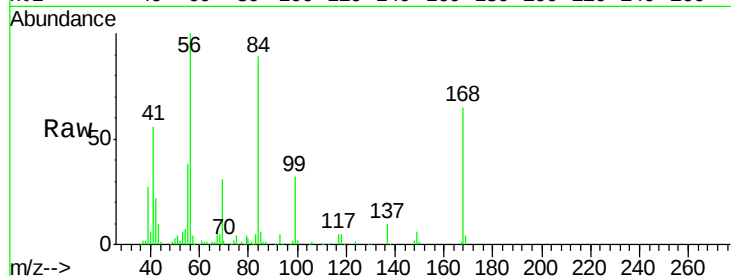
#31
Cyclohexane
Concen: 49.98 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.8	37.2
84	87.6	65.2	97.8

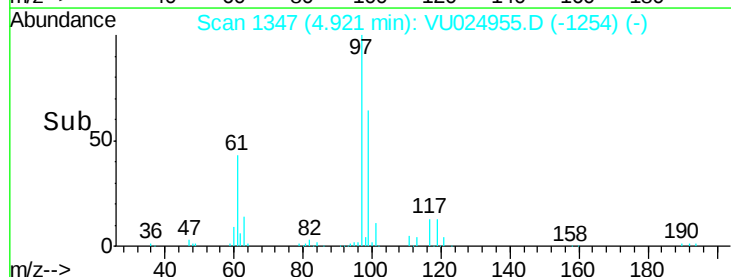
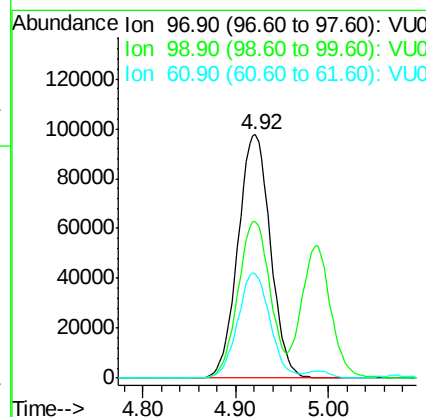
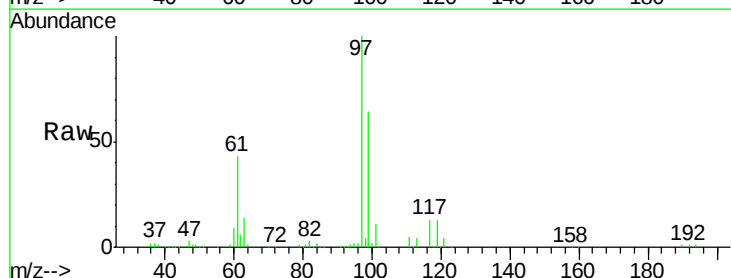
Manual Integrations
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6/28/2018 4:37:00 PM



#32
1,1,1-Trichloroethane
Concen: 49.10 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	43.0	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 42.28 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 147573

Ion Ratio Lower Upper

65 100

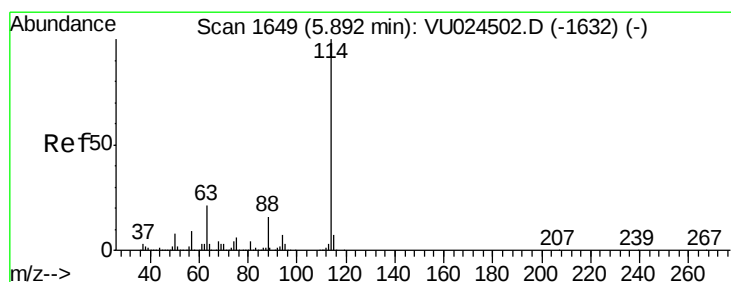
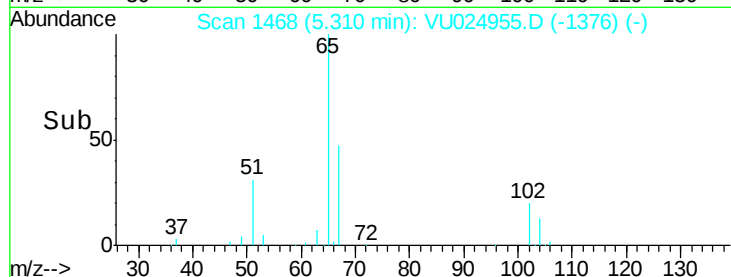
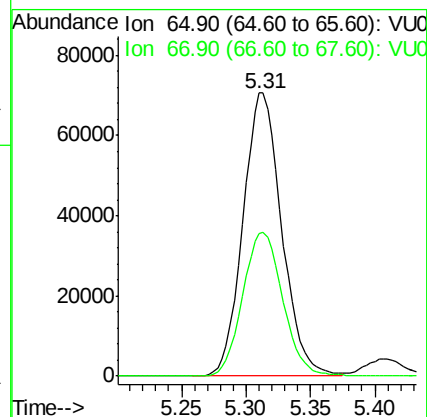
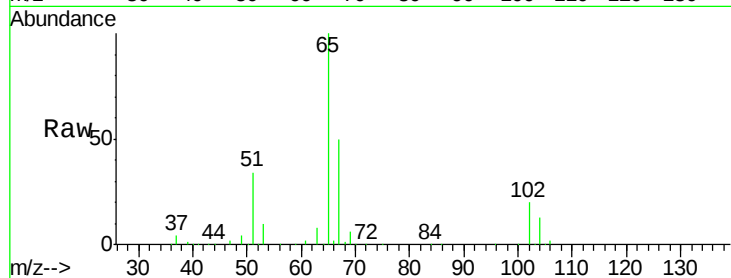
67 52.7 0.0 107.0

Manual Integrations

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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: VU024955.D

Acq: 27 Jun 2018 10:11

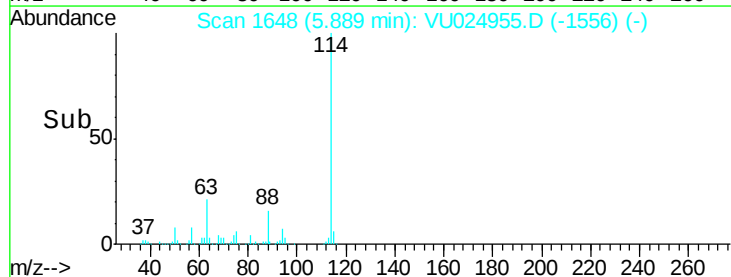
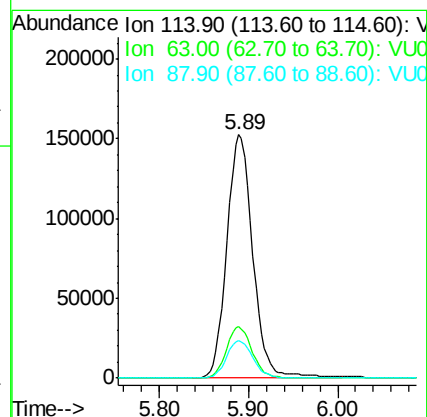
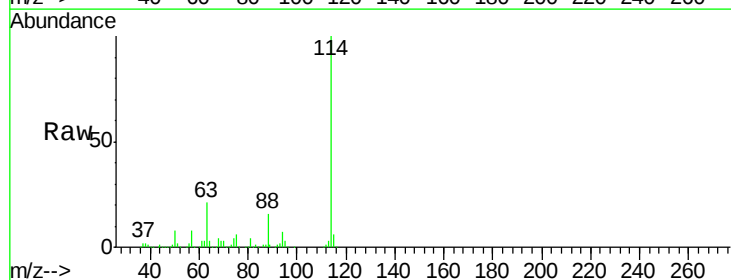
Tgt Ion: 114 Resp: 308050

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

88 15.6 0.0 31.0





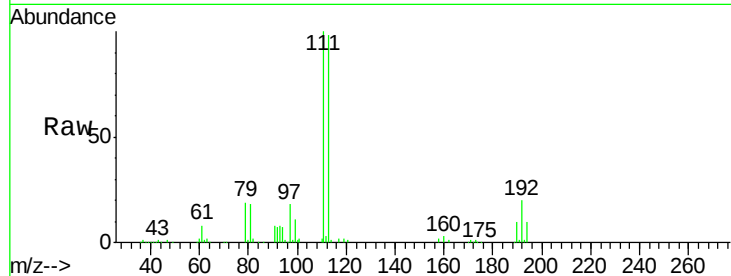
#35
 Dibromofluoromethane
 Concen: 47.98 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

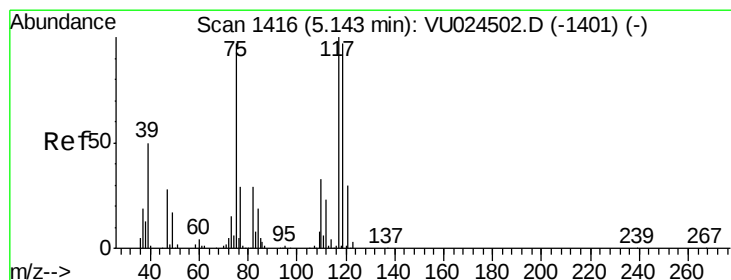
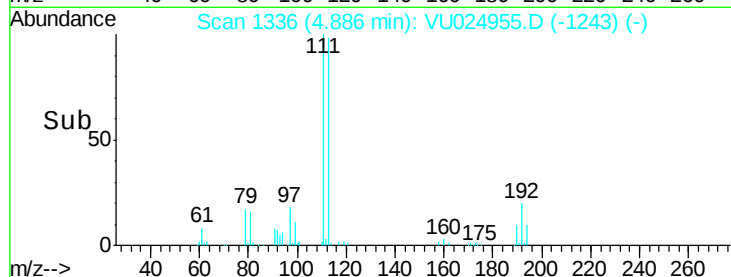
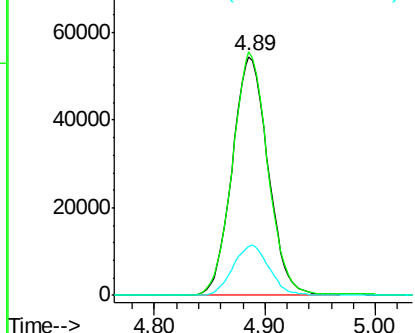
Tot Ion	Ratio	Resp	Lower	Upper
113	100	122669		
111	100.3	82.2	123.4	
192	21.2	16.2	24.4	

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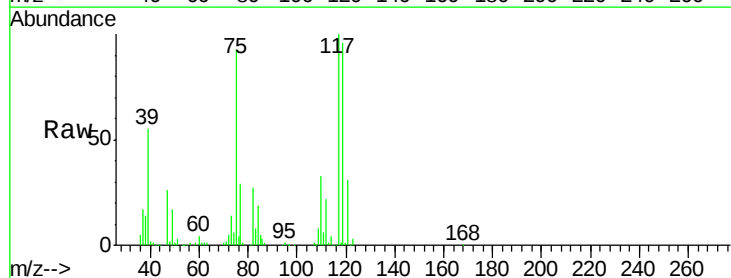


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

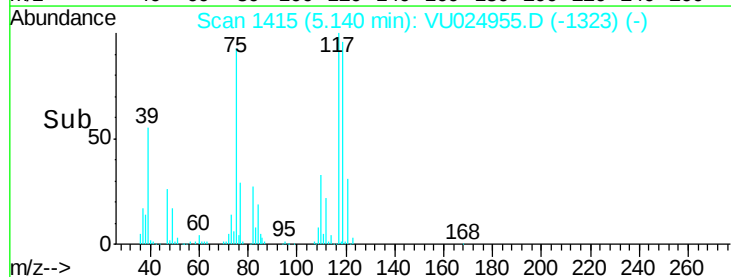
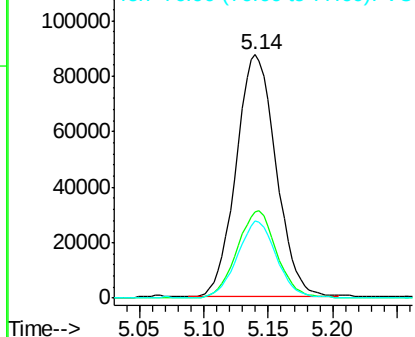


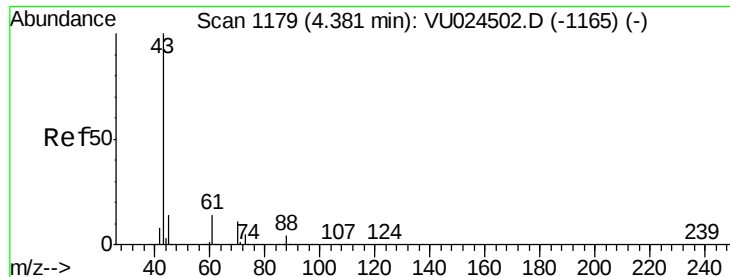
#36
 1,1-Dichloropropene
 Concen: 52.06 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188460		
110	36.0	17.0	50.9	
77	31.0	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





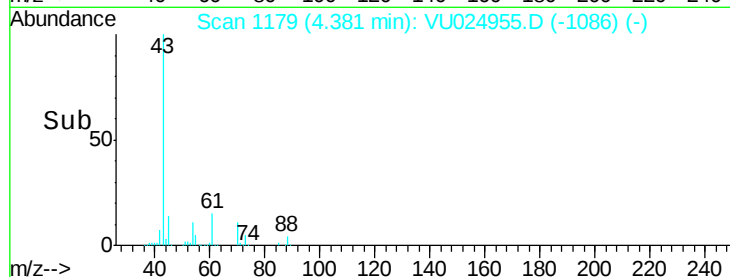
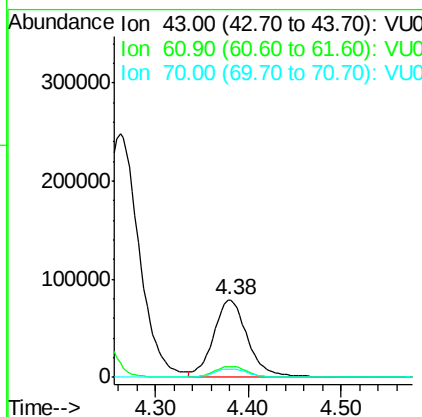
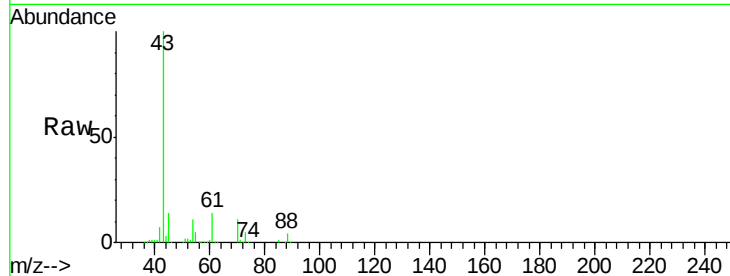
#37
Ethyl Acetate
Concen: 50.10 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	11.0	7.4	11.2

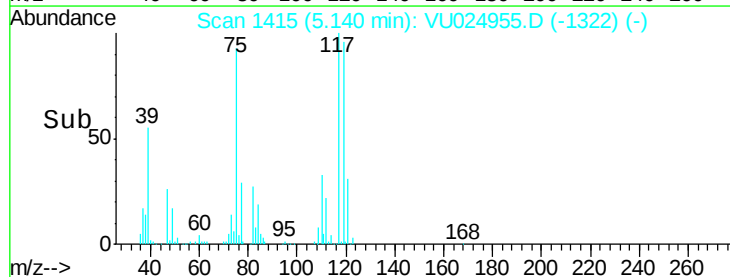
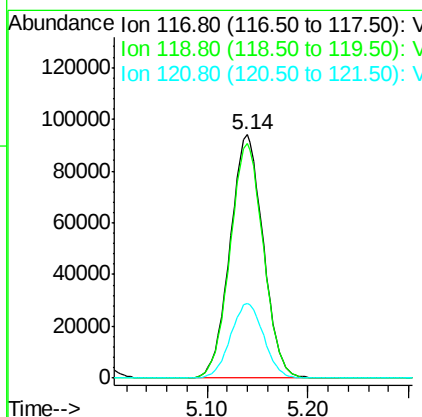
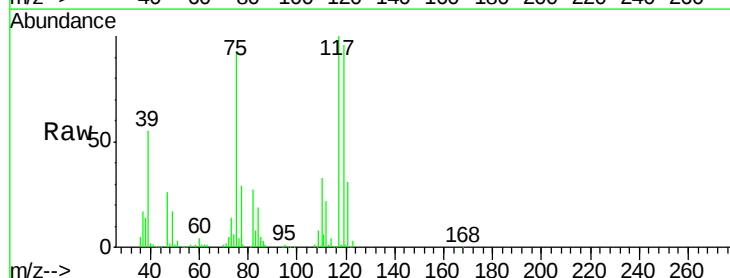
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 53.82 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.1	114.1
121	30.9	23.7	35.5





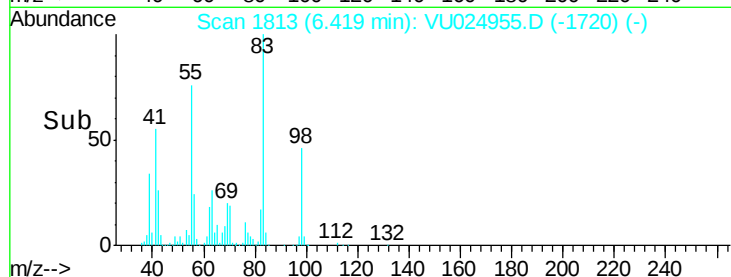
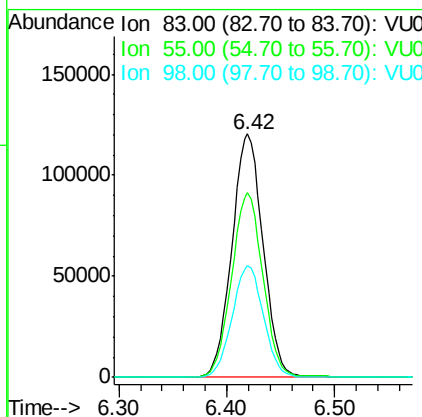
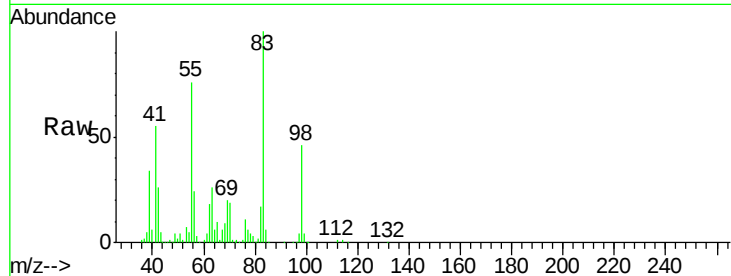
#39
Methvlcvclohexane
Concen: 53.78 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	65.8	98.6
98	45.8	36.7	55.1

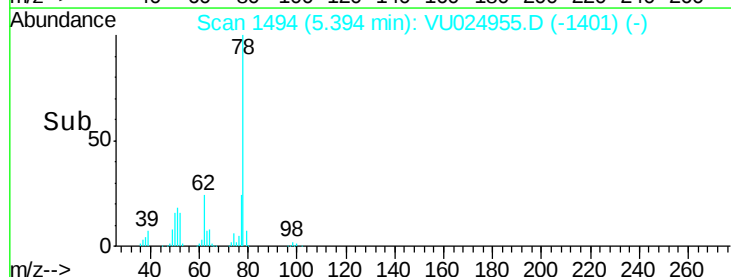
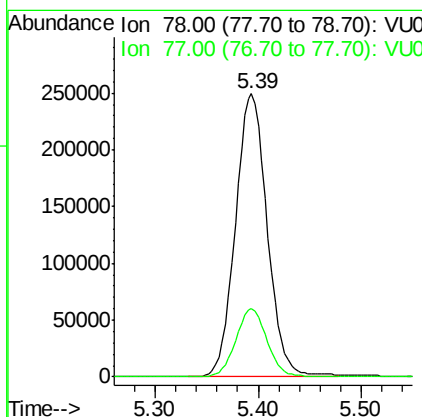
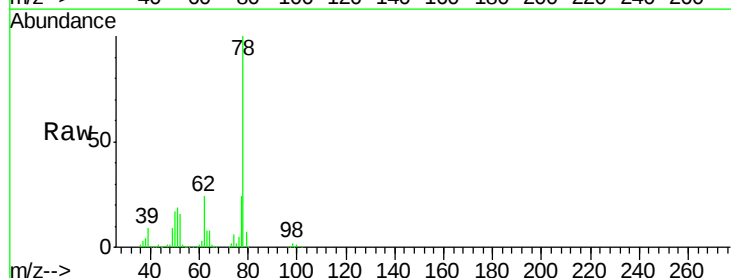
Manual Integrations
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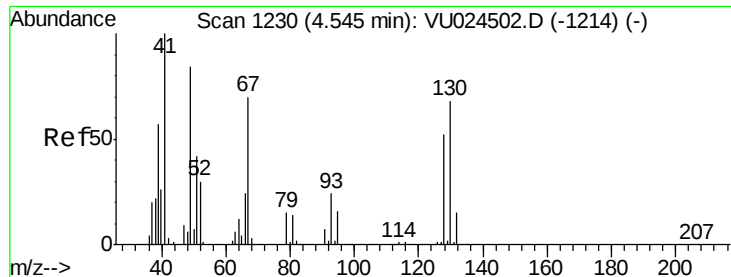
MMDadoda
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#40
Benzene
Concen: 51.94 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 51.64 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 109845

Ion Ratio Lower Upper

41 100

39 55.6 43.8 65.6

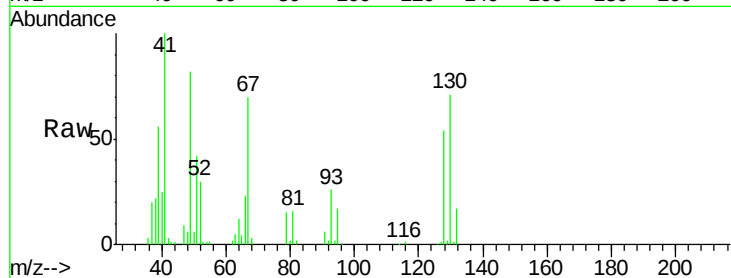
67 72.4 56.3 84.5

52 29.7 23.2 34.8

Manual Integrations
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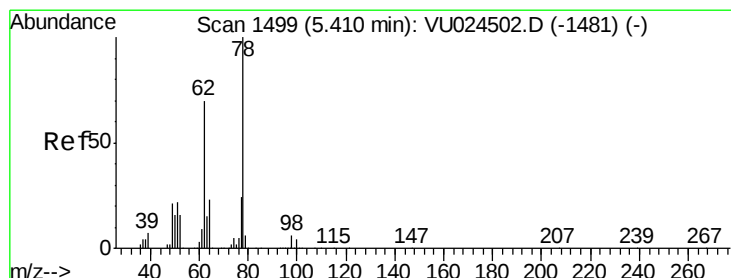
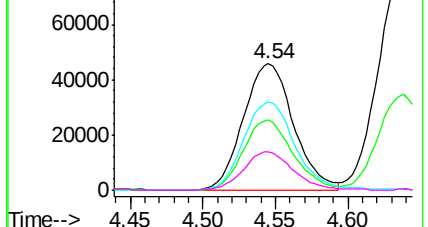
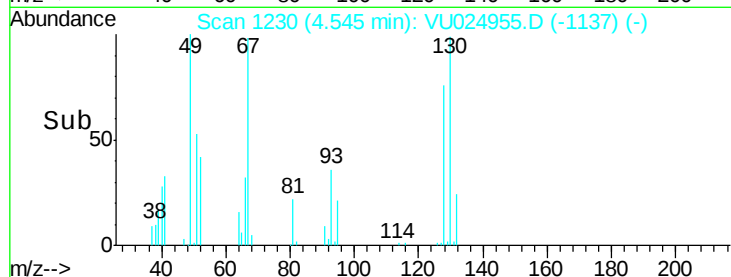


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 54.83 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU024955.D

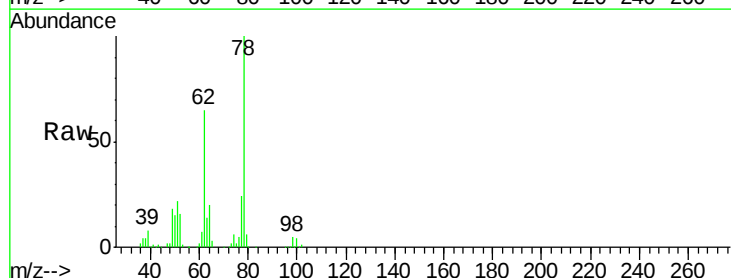
Acq: 27 Jun 2018 10:11

Tgt Ion: 62 Resp: 215414

Ion Ratio Lower Upper

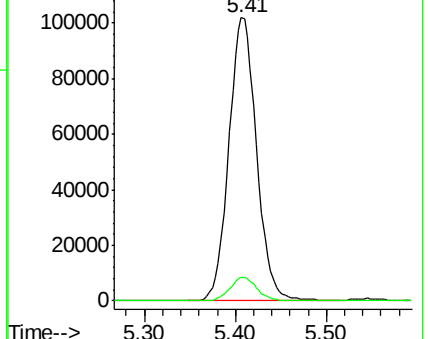
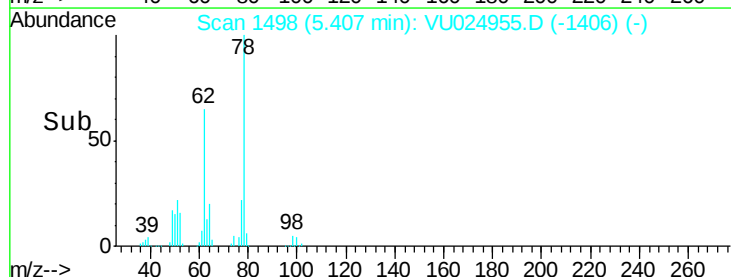
62 100

98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

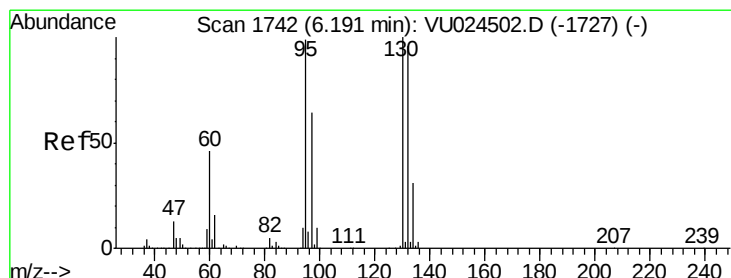
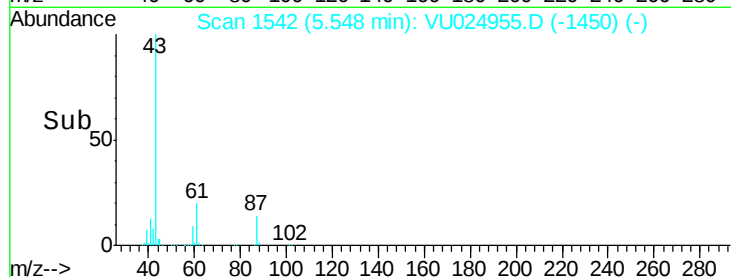
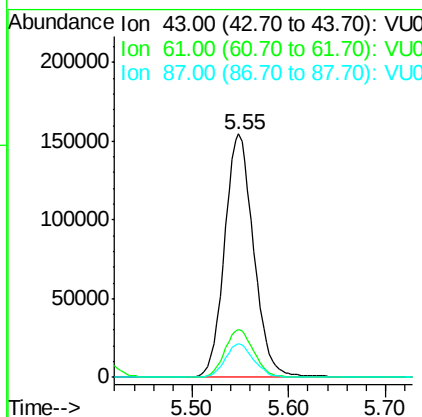
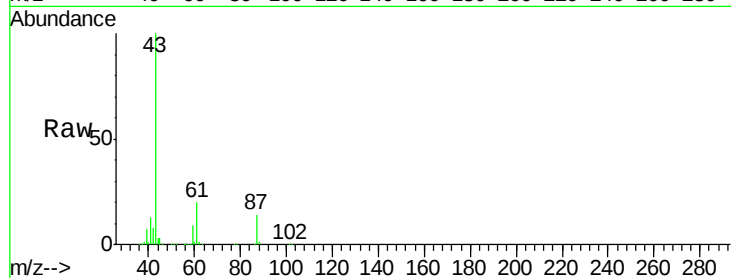
Isopropyl Acetate
 Concen: 46.85 ug/l
 RT: 5.55 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	13.7	10.0	15.0

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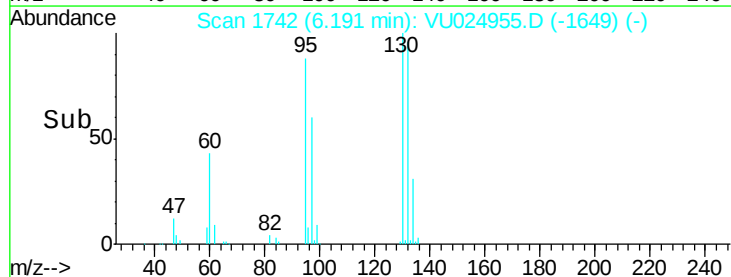
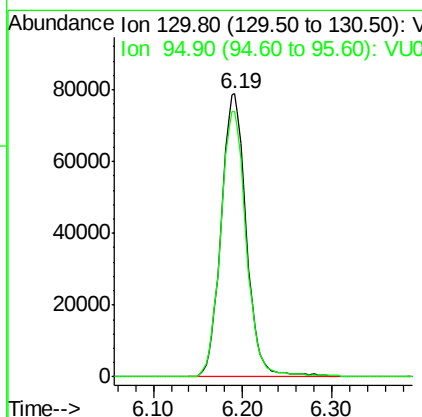
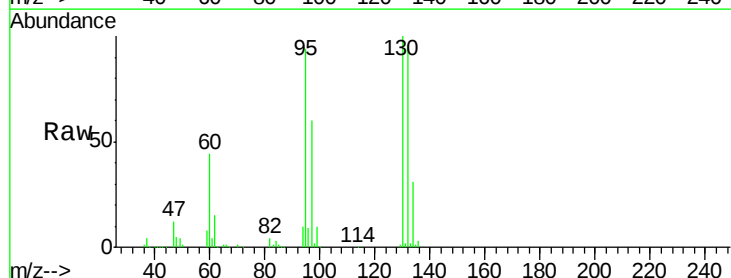
MMDadoda
 6/28/2018 4:37:00 PM



#44

Trichloroethene
 Concen: 52.38 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	202.4





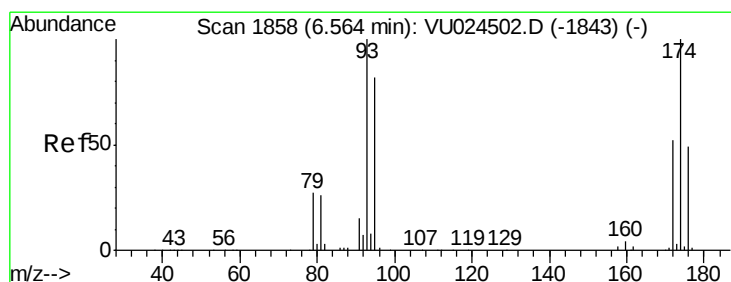
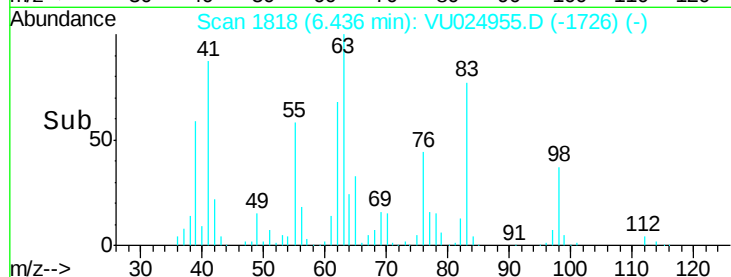
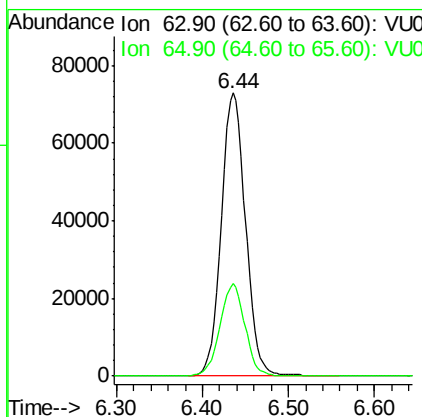
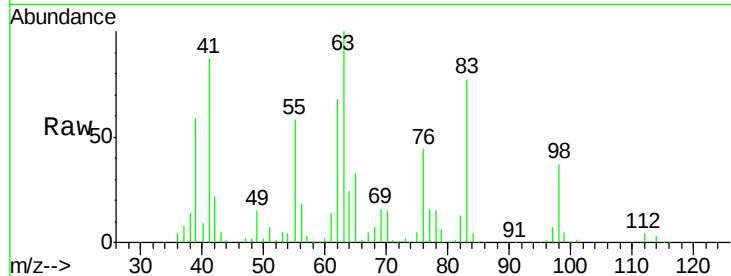
#45
1,2-Dichloropropane
Concen: 52.09 ug/l
RT: 6.44 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 143364
Ion Ratio Lower Upper
63 100
65 32.8 24.8 37.2

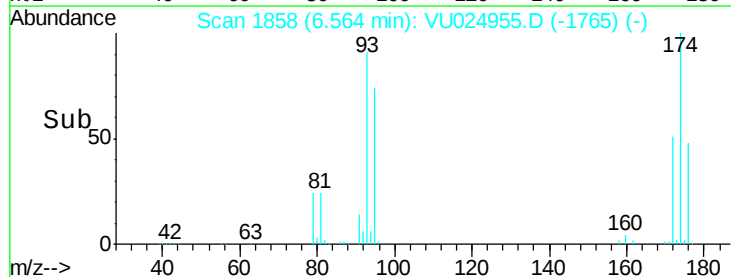
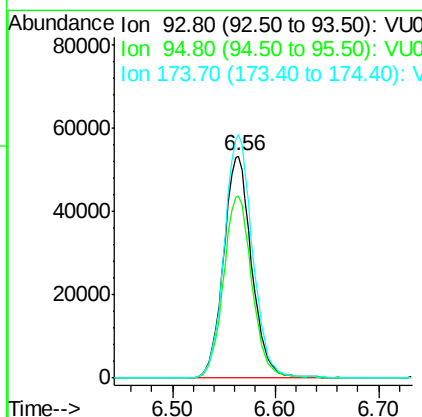
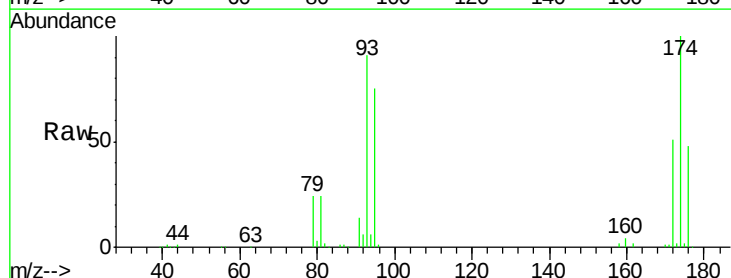
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#46
Dibromomethane
Concen: 52.28 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 93 Resp: 101074
Ion Ratio Lower Upper
93 100
95 82.7 65.5 98.3
174 110.2 78.7 118.1





#47

Bromodichloromethane

Concen: 51.53 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

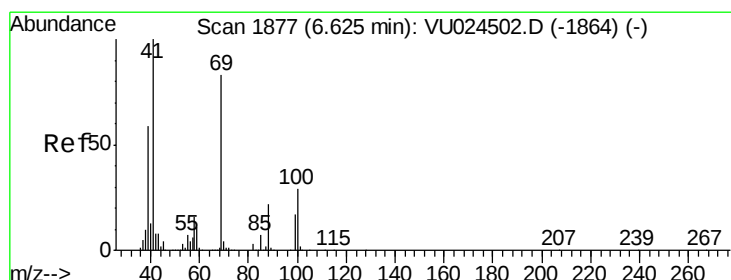
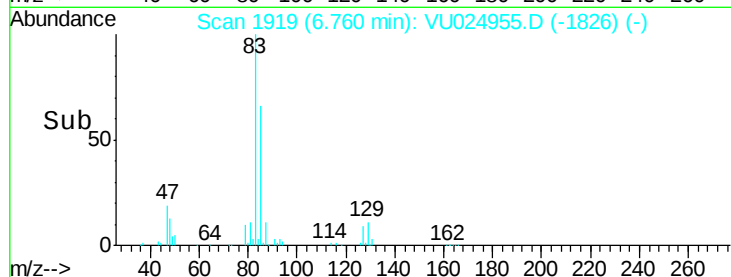
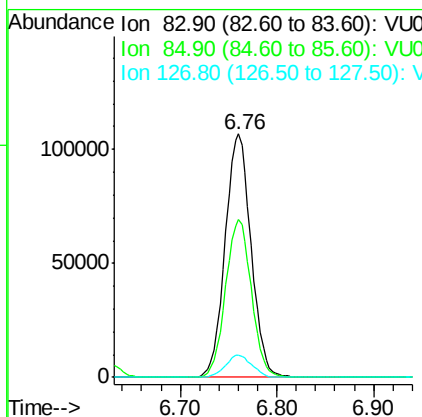
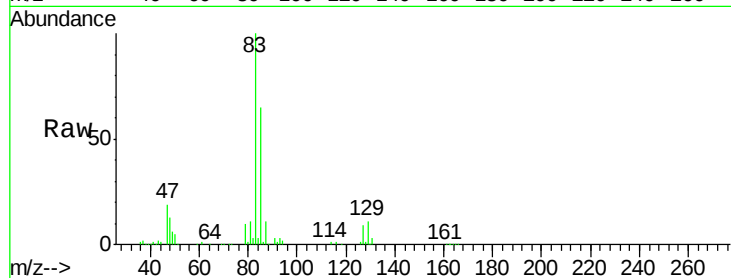
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198353
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.9	77.9
127	9.2	6.6	9.8

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#48

Methyl methacrylate

Concen: 50.05 ug/l

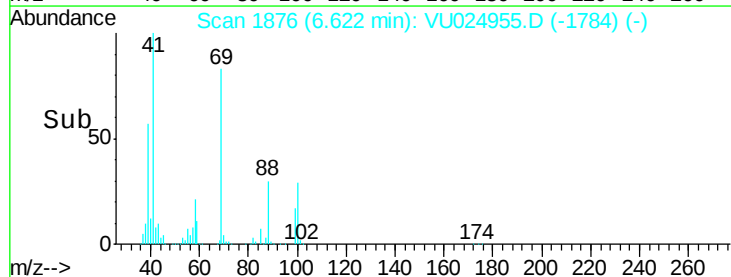
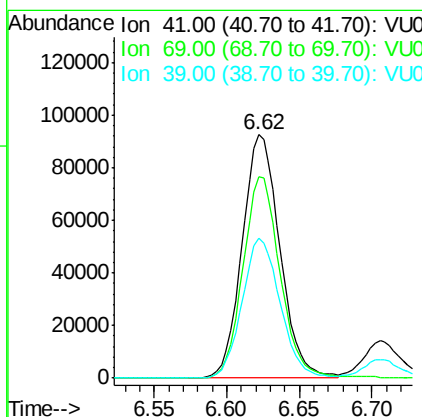
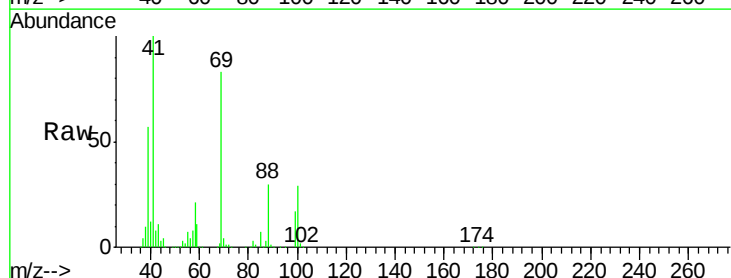
RT: 6.62 min Scan# 1876

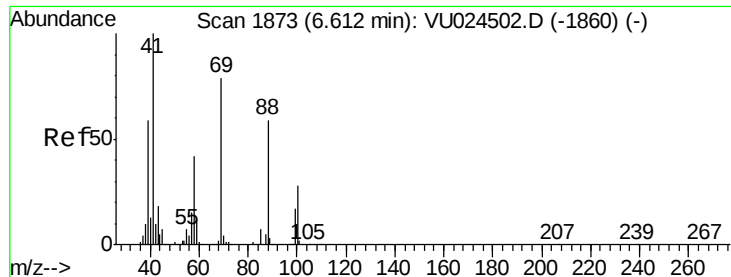
Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	41	Resp:	166220
Ion Ratio	Lower	Upper	
41	100		
69	82.5	67.3	100.9
39	58.0	46.5	69.7





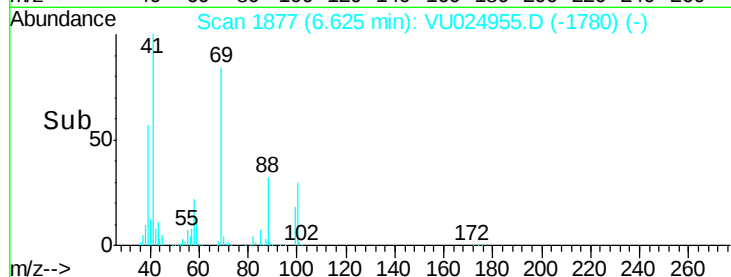
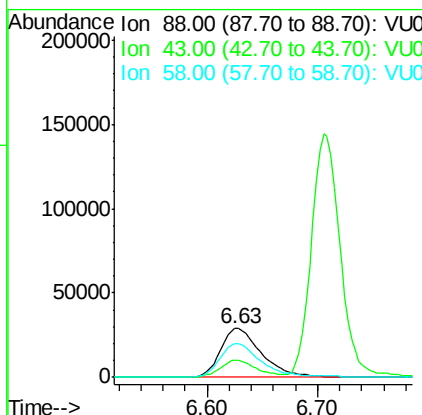
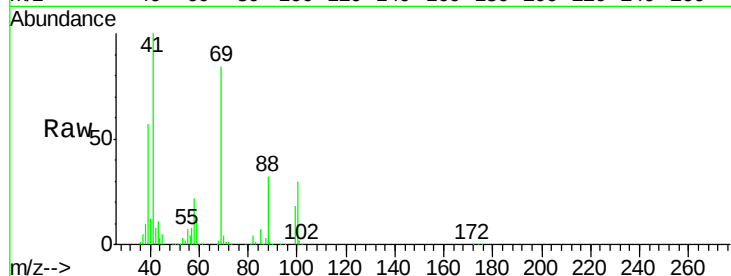
#49
1,4-Dioxane
Concen: 1147.73 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	28.6	42.8
58	69.3	58.2	87.4

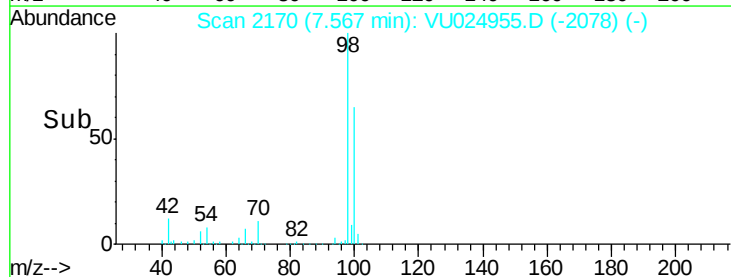
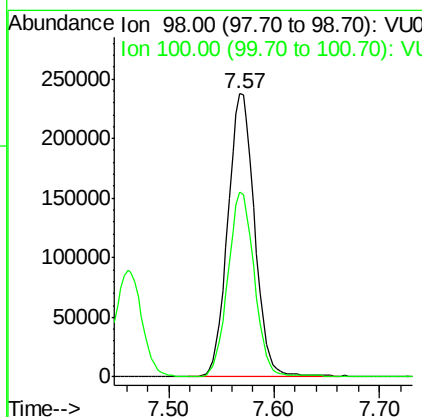
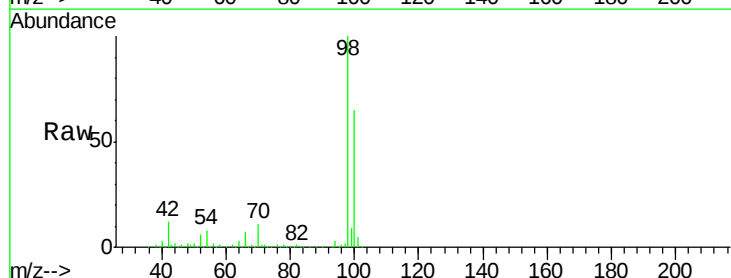
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#50
Toluene-d8
Concen: 44.80 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 232.83 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 997547

Ion Ratio Lower Upper

43 100

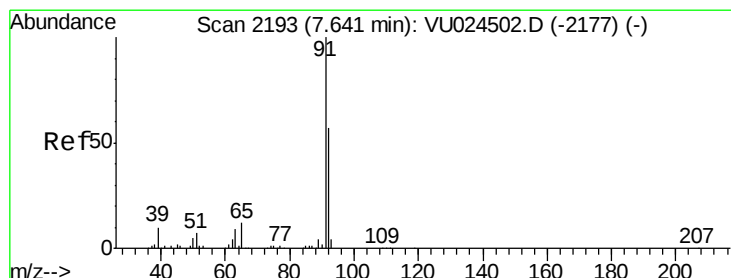
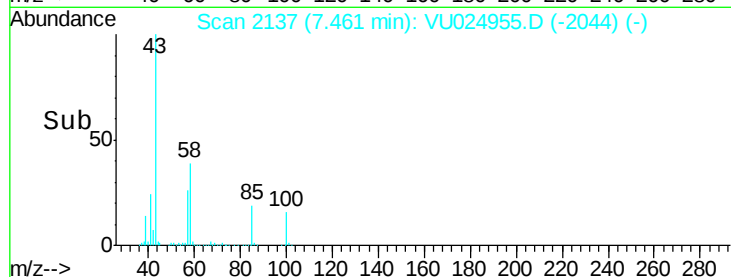
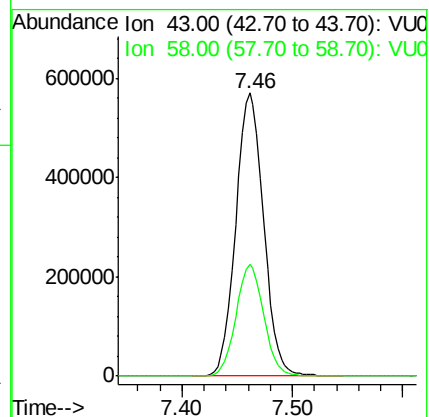
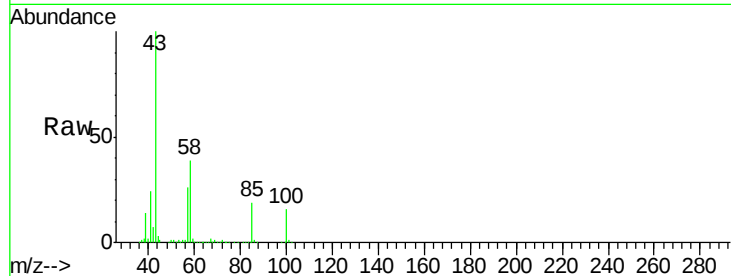
58 39.2 30.0 45.0

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#52

Toluene

Concen: 52.60 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024955.D

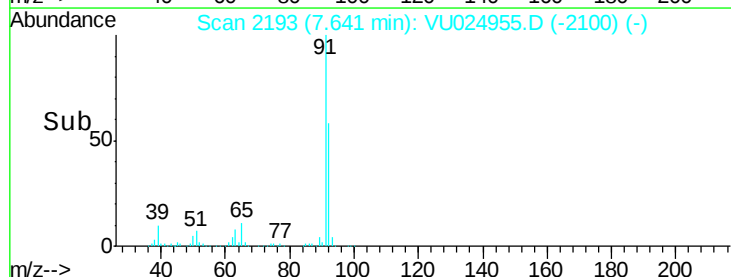
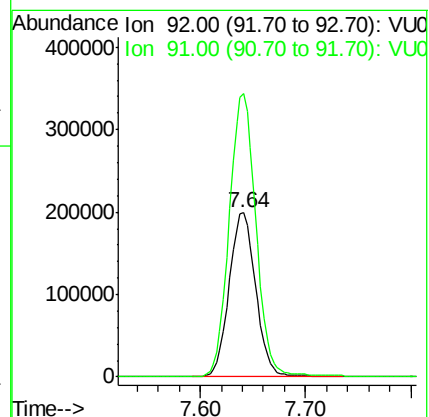
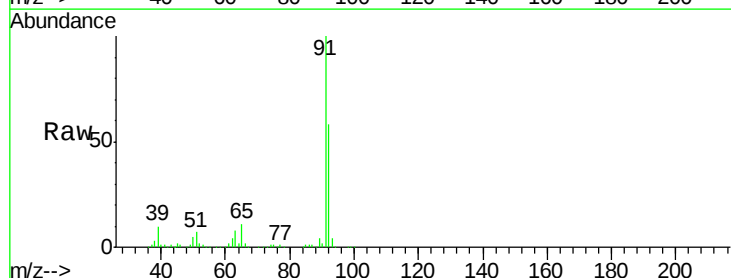
Acq: 27 Jun 2018 10:11

Tgt Ion: 92 Resp: 349051

Ion Ratio Lower Upper

92 100

91 173.6 140.5 210.7





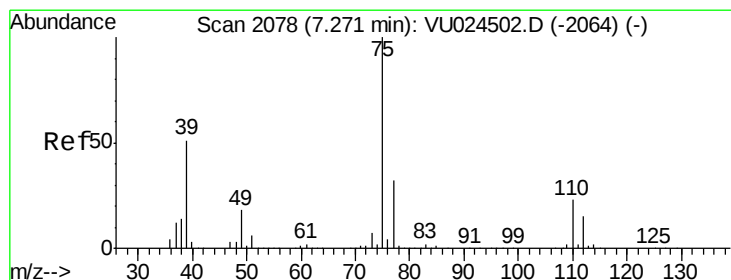
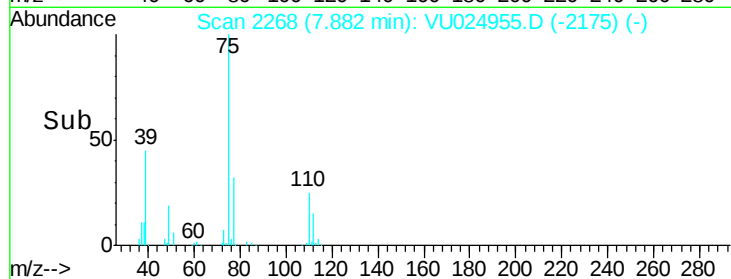
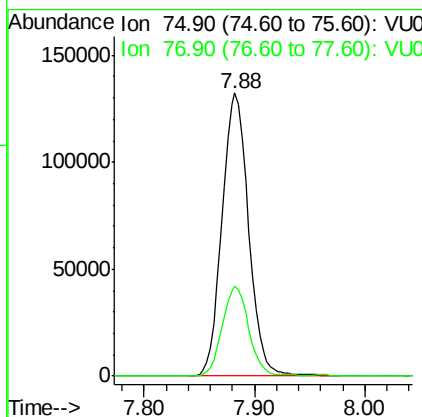
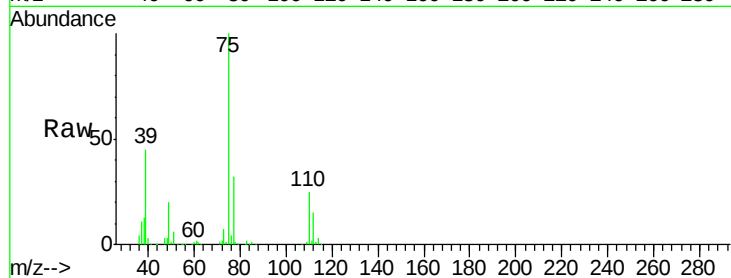
#53
t-1,3-Dichloropropene
Concen: 51.27 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

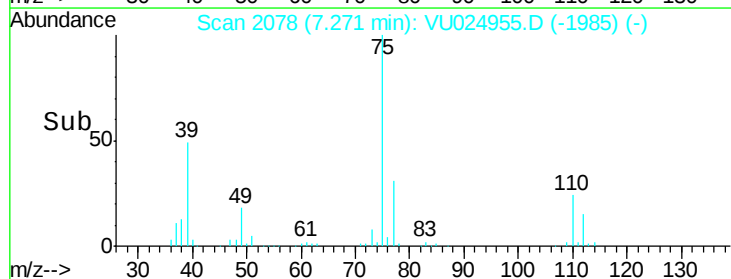
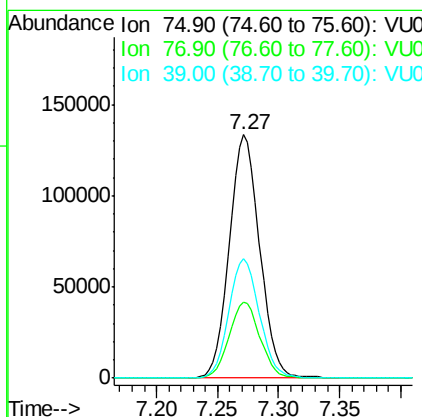
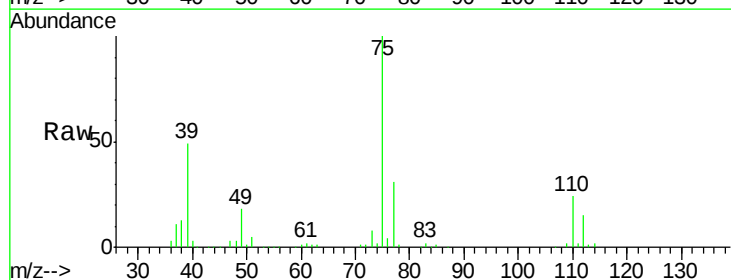
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#54
cis-1,3-Dichloropropene
Concen: 50.24 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	48.9	39.8	59.6





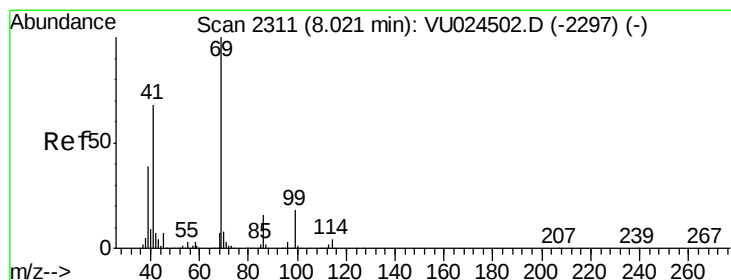
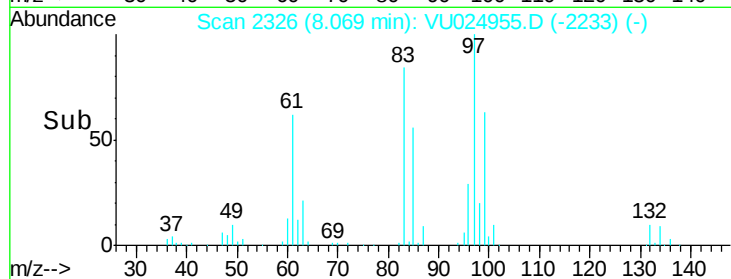
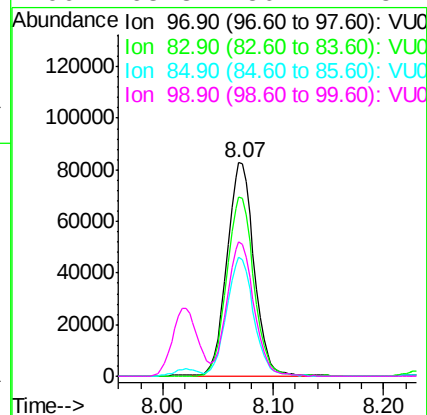
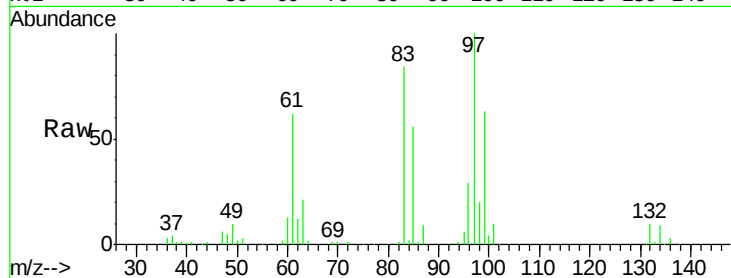
#55
 1,1,2-Trichloroethane
 Concen: 52.04 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140385		
83	84.1	70.5	105.7		
85	55.5	46.4	69.6		
99	63.3	50.2	75.2		

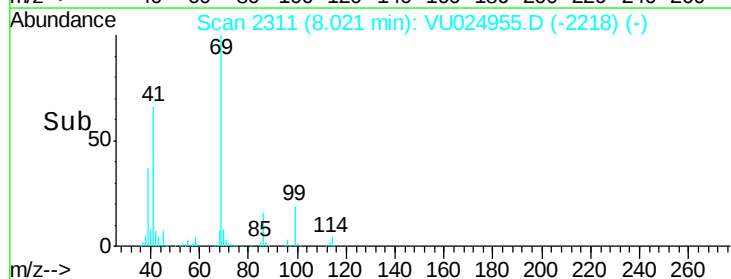
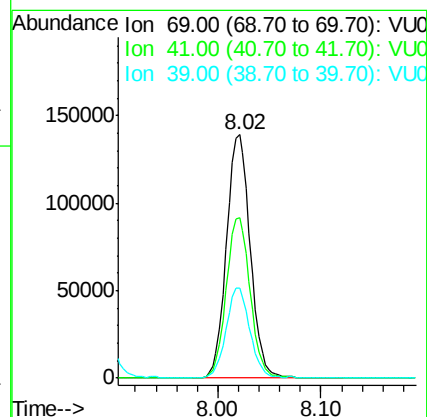
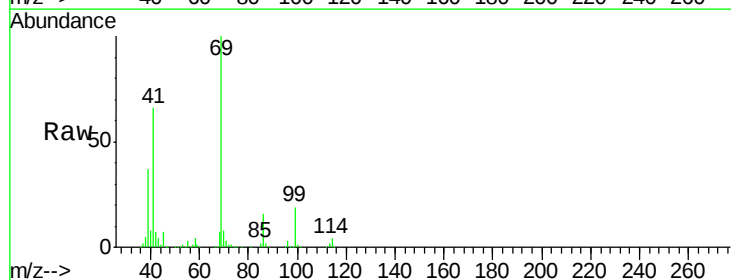
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#56
 Ethyl methacrylate
 Concen: 49.51 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223515		
41	66.3	54.1	81.1		
39	36.5	30.3	45.5		





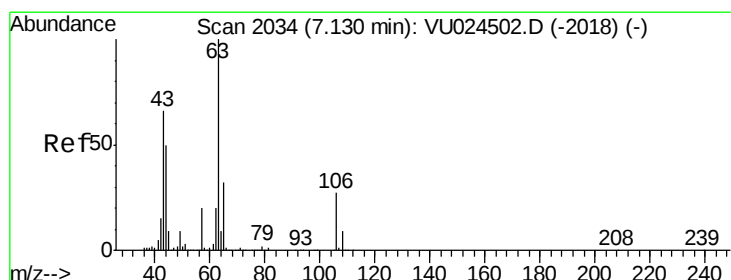
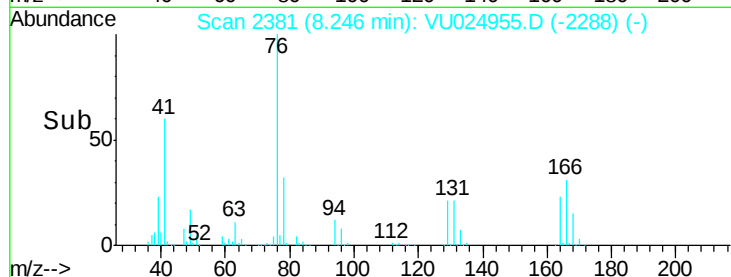
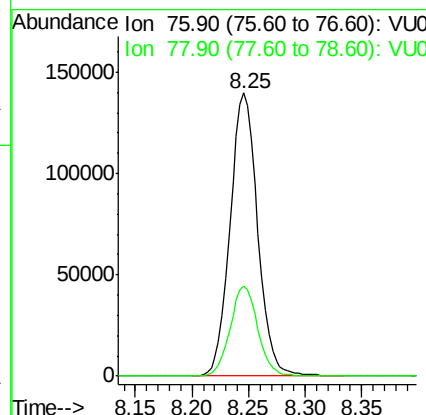
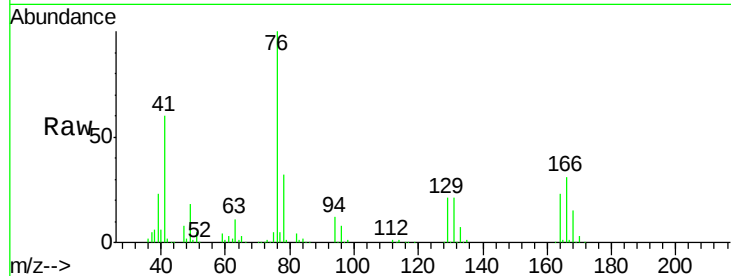
#57
 1,3-Dichloropropane
 Concen: 52.08 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 236984
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

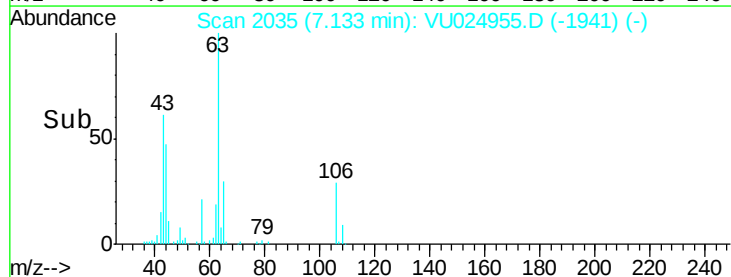
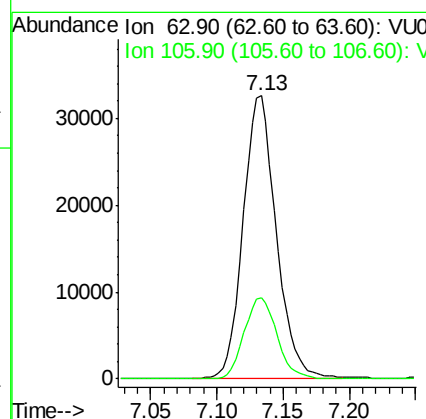
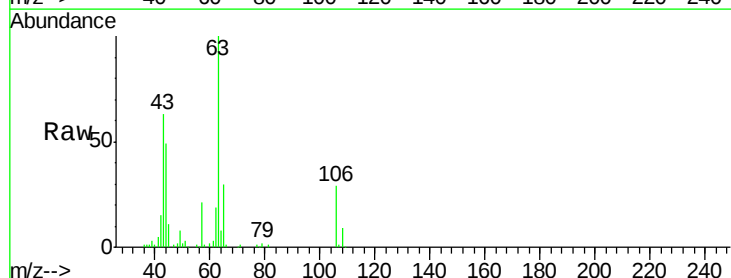
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#58
 2-Chloroethyl Vinyl ether
 Concen: 32.81 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion: 63 Resp: 56745
 Ion Ratio Lower Upper
 63 100
 106 28.2 20.2 30.2





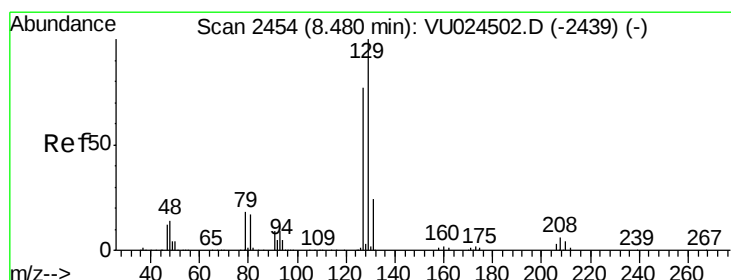
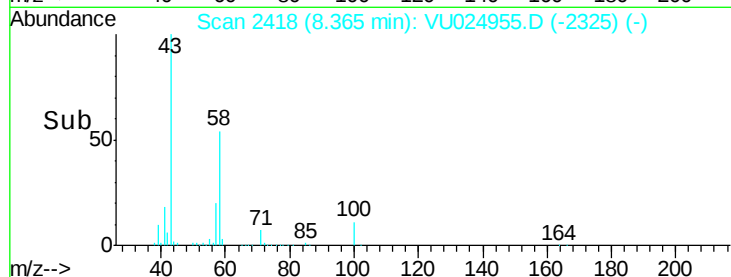
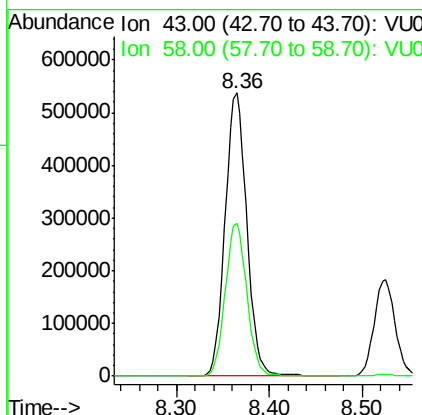
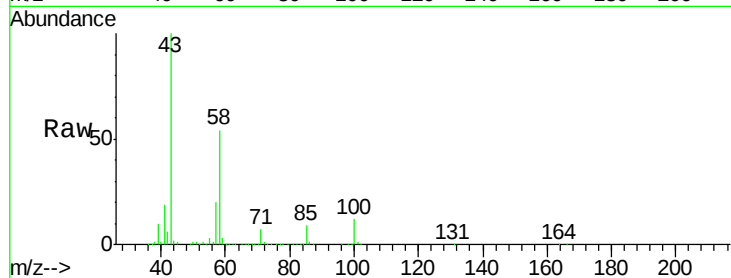
#59
2-Hexanone
Concen: 249.30 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 872009
Ion Ratio Lower Upper
43 100
58 53.9 26.4 79.0

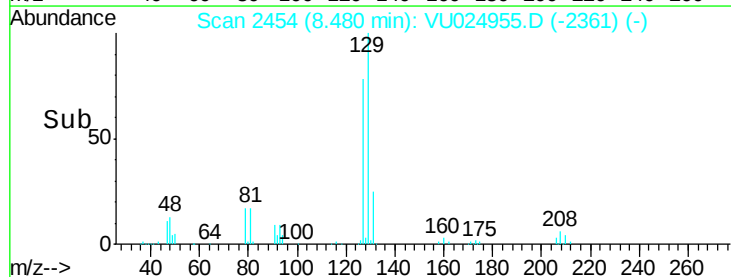
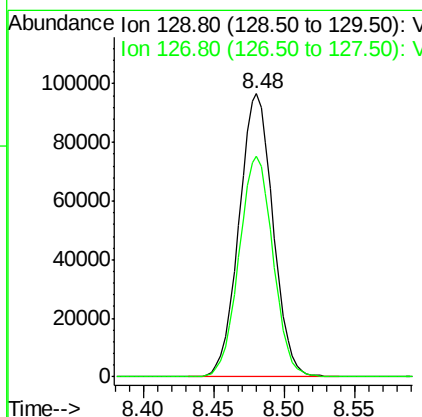
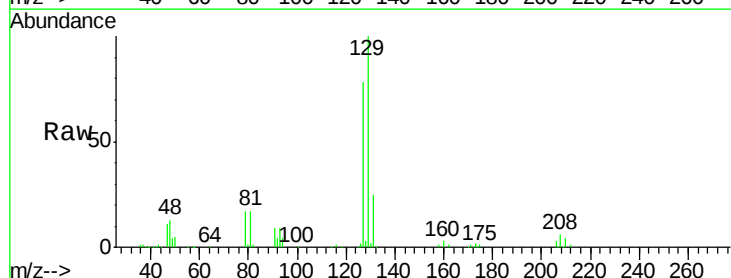
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.54 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 129 Resp: 163272
Ion Ratio Lower Upper
129 100
127 78.0 38.6 116.0





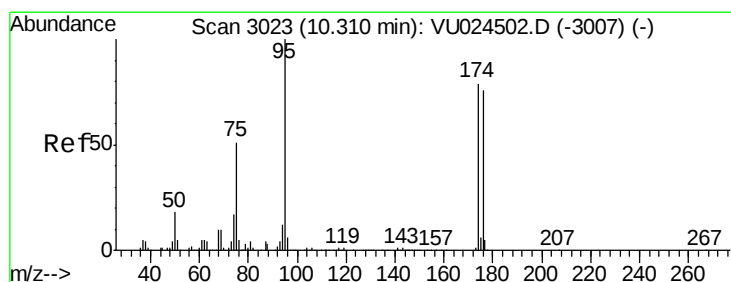
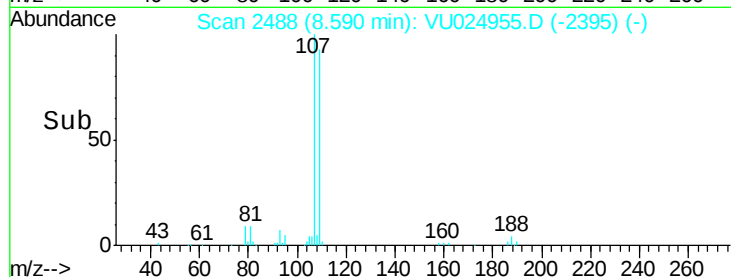
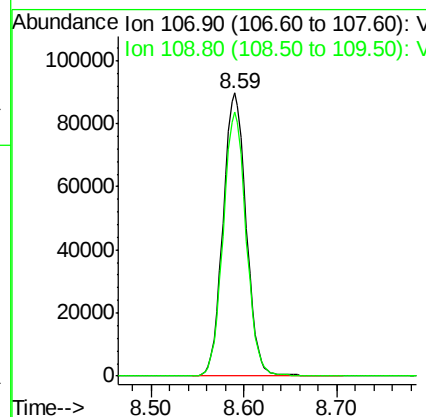
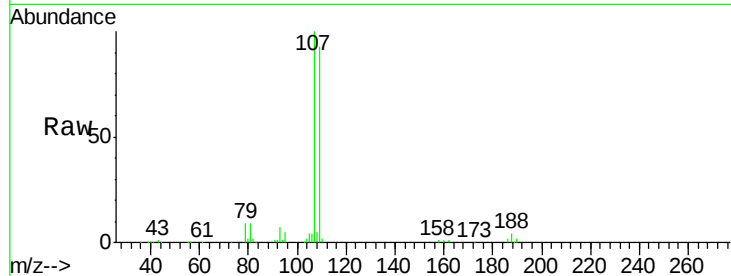
#61
 1,2-Dibromoethane
 Concen: 51.77 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.5	111.7

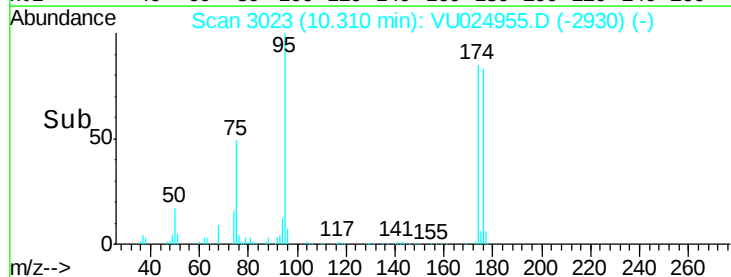
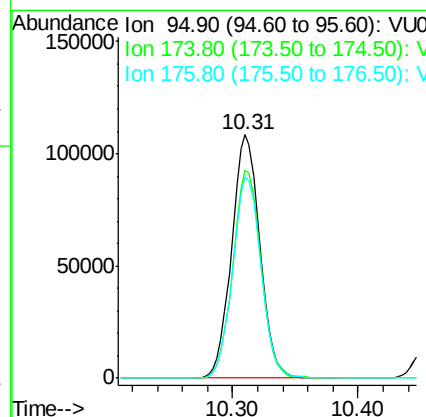
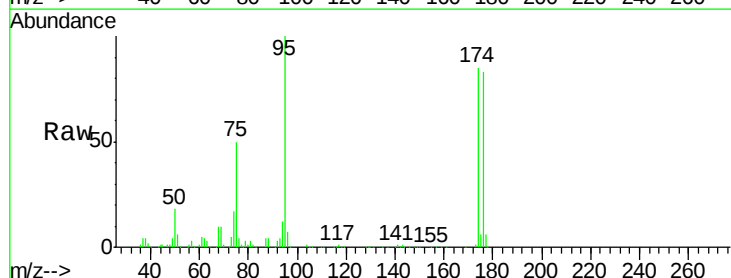
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 45.62 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	165.8
176	83.6	0.0	159.4





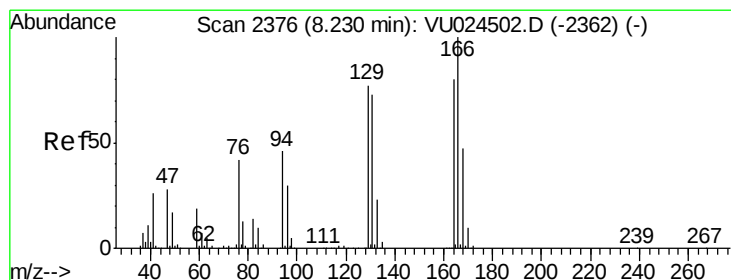
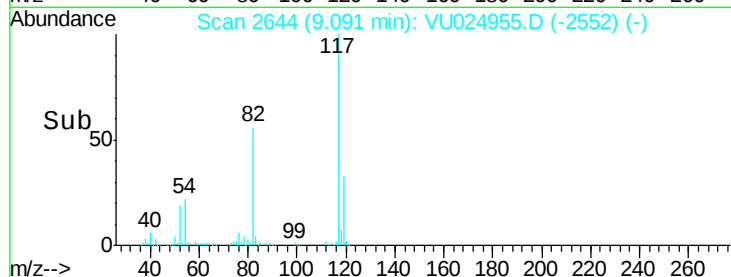
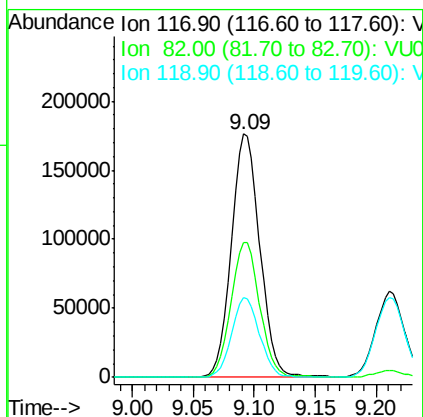
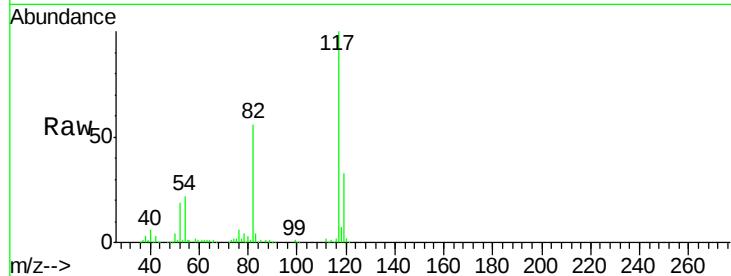
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286902		
82	55.6		44.3	66.5
119	33.0		25.4	38.2

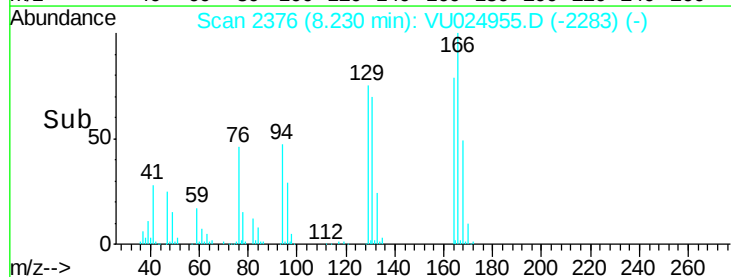
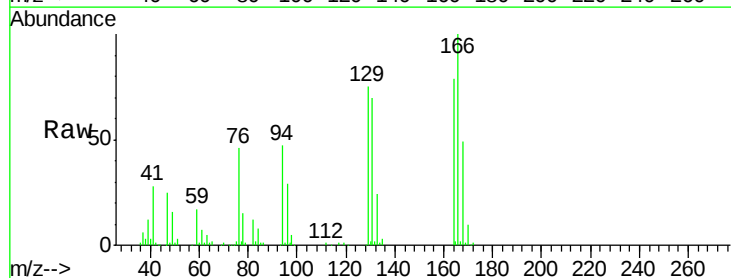
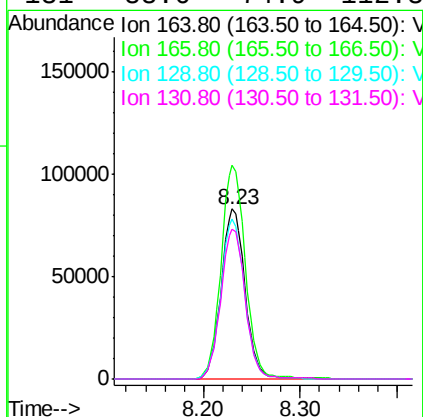
Manual Integrations
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#64
Tetrachloroethene
Concen: 52.39 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142876		
166	125.9		101.7	152.5
129	94.4		76.9	115.3
131	88.6		74.9	112.3





#65

Chlorobenzene

Concen: 54.03 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 395976

Ion Ratio Lower Upper

112 100

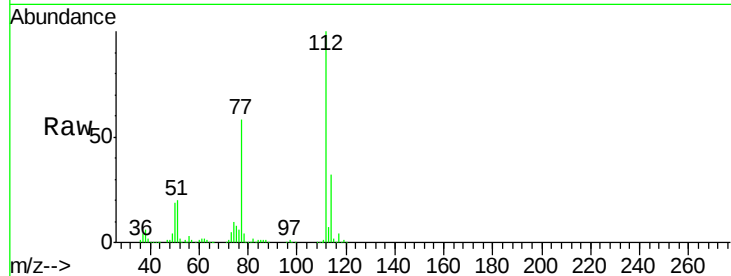
114 32.1 25.6 38.4

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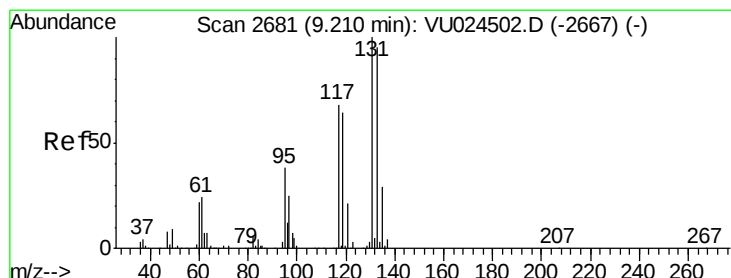
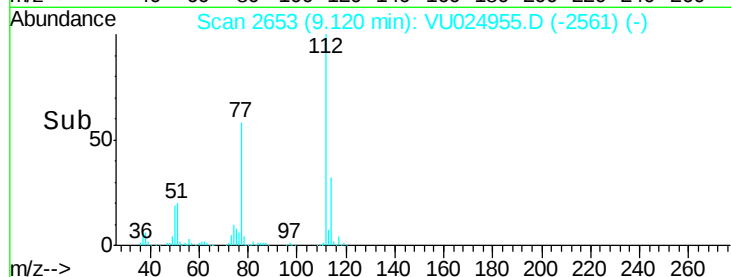
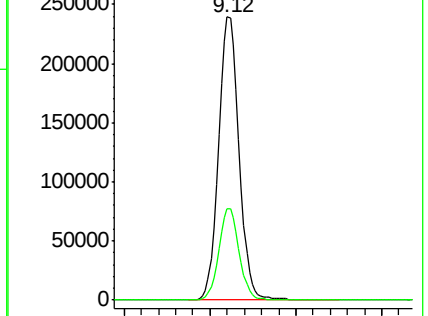
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.56 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

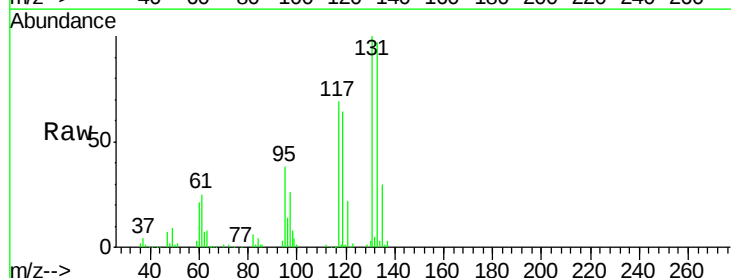
Tgt Ion:131 Resp: 149136

Ion Ratio Lower Upper

131 100

133 96.5 46.9 140.8

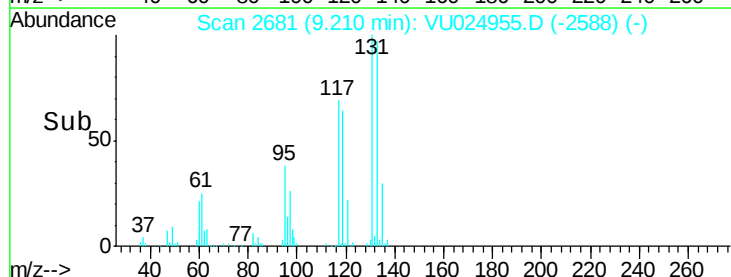
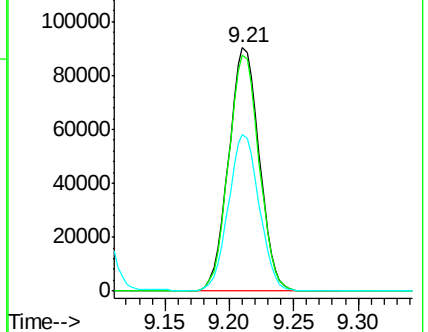
119 64.6 33.5 100.4

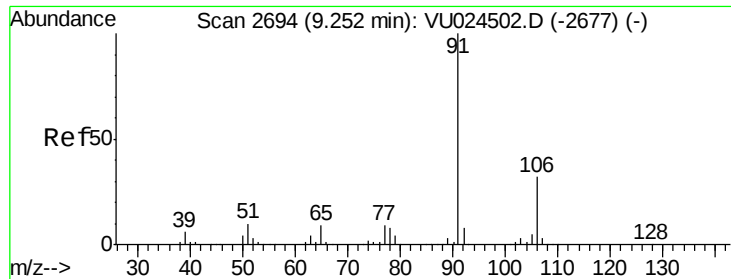


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





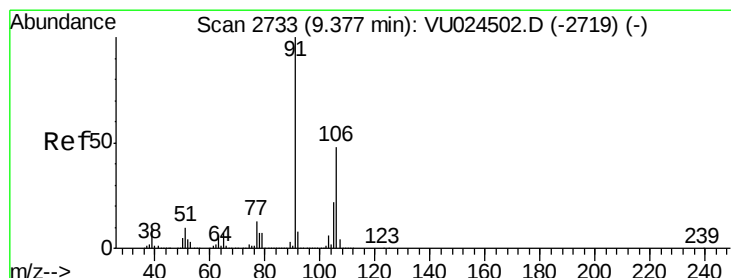
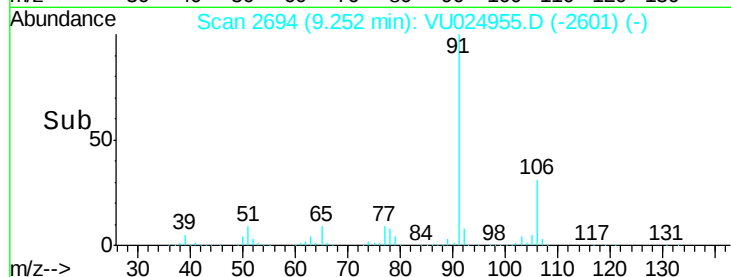
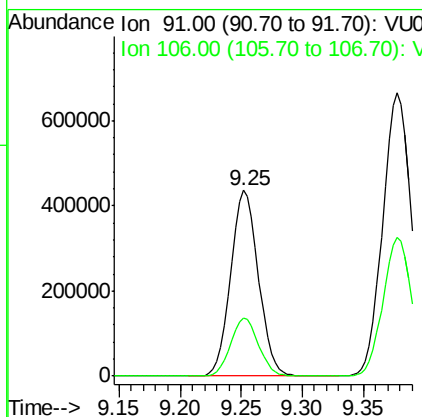
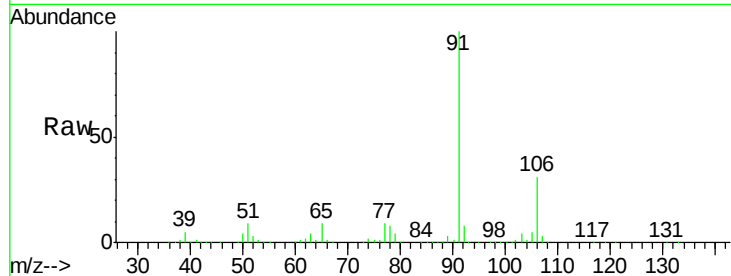
#67
Ethyl Benzene
Concen: 53.93 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 692993
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4

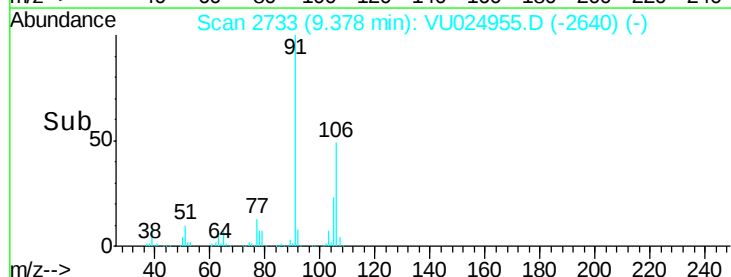
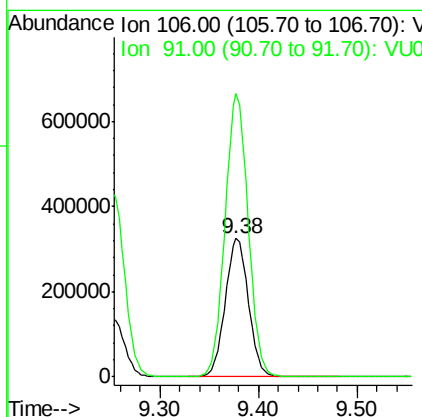
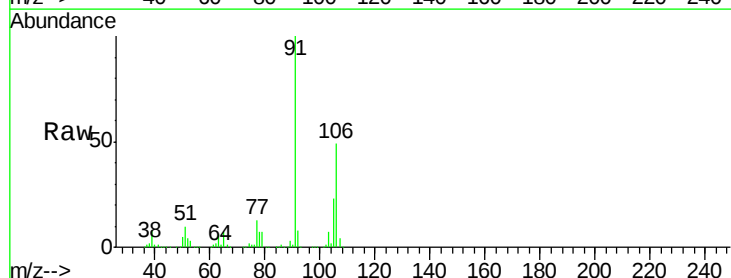
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#68
m/p-Xylenes
Concen: 108.76 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion: 106 Resp: 536596
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7





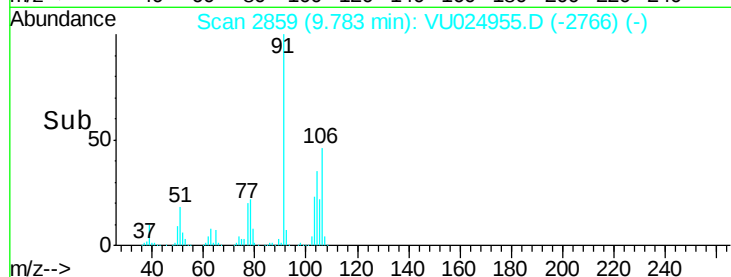
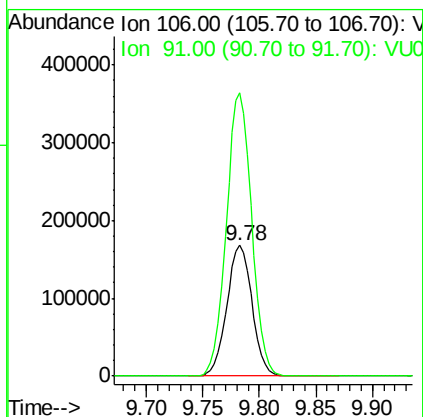
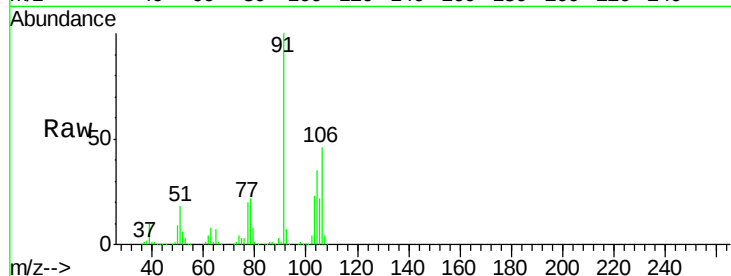
#69
o-Xylene
Concen: 53.50 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
261254	106	100		
	91	216.7	110.7	331.9

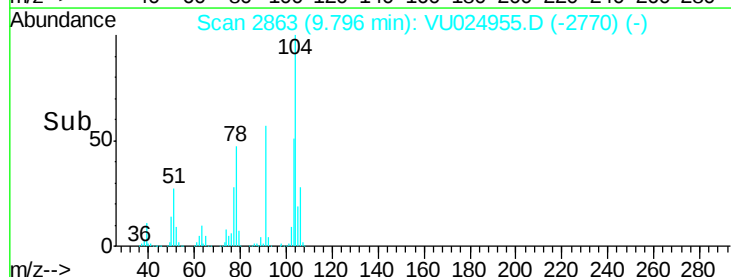
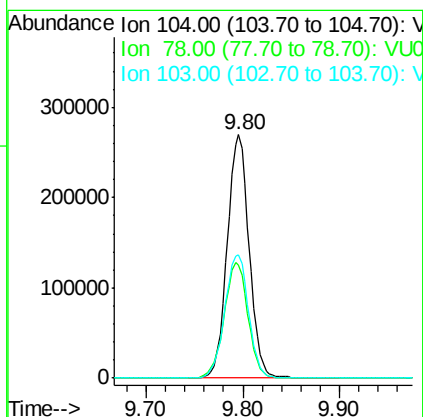
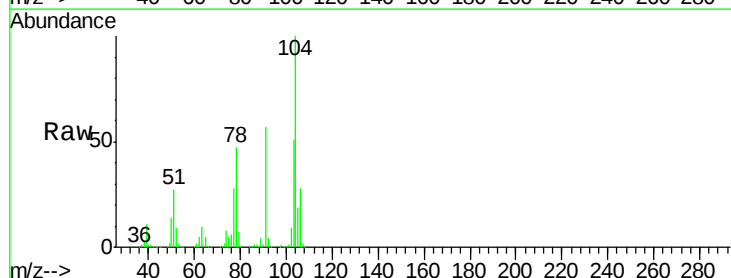
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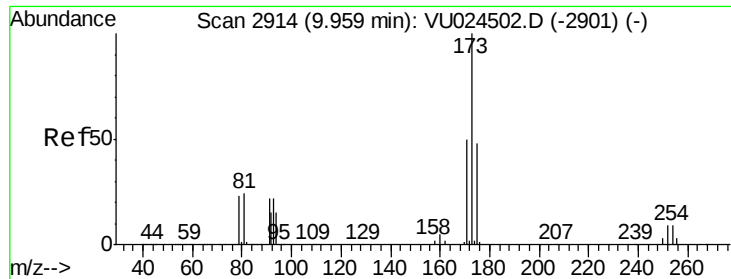
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#70
Styrene
Concen: 52.79 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ion	Ratio	Lower	Upper
423592	104	100		
	78	51.5	40.6	60.8
	103	55.2	44.7	67.1





#71

Bromoform

Concen: 49.27 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024955.D

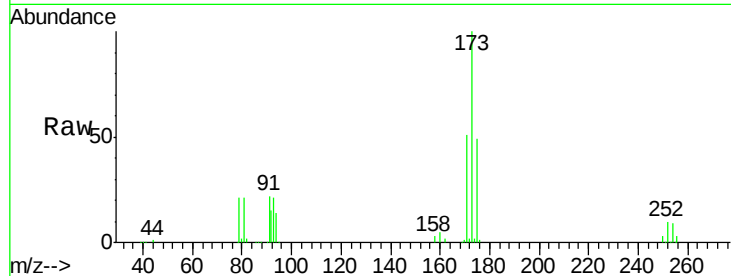
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

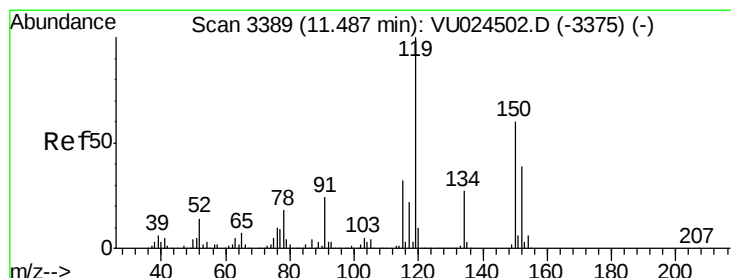
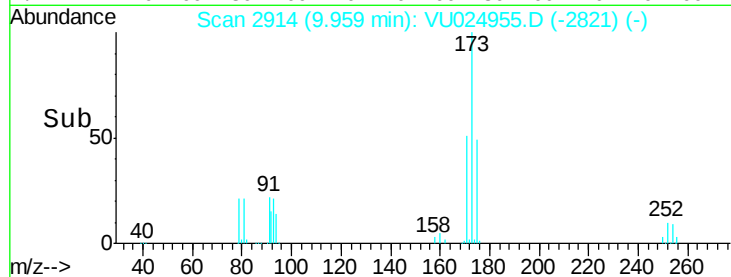
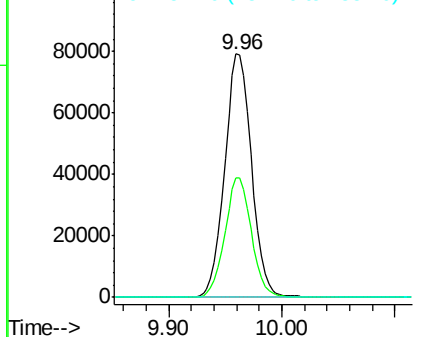
Tot Ion:	173	Resp:	130398
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.6	74.0
254	0.1	0.0	0.0#

Manual Integrations
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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

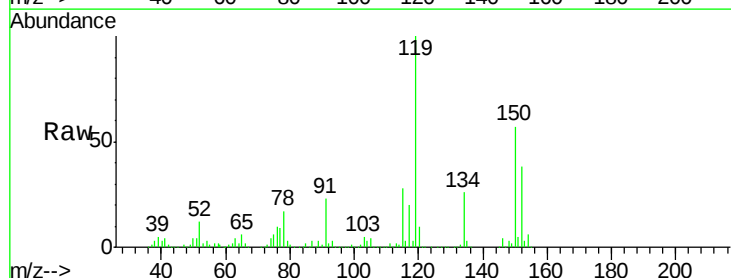
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

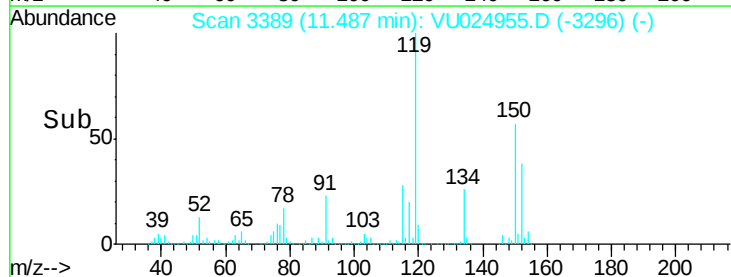
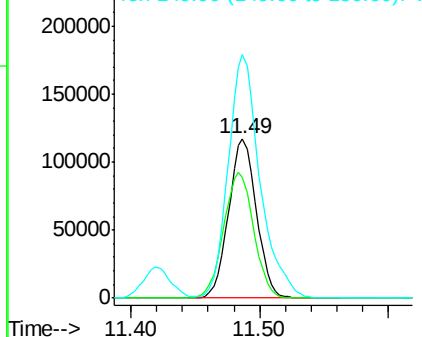
Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	152	Resp:	175300
Ion Ratio	Lower	Upper	
152	100		
115	85.0	43.0	129.0
150	174.4	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: 53.05 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 714000

Ion Ratio Lower Upper

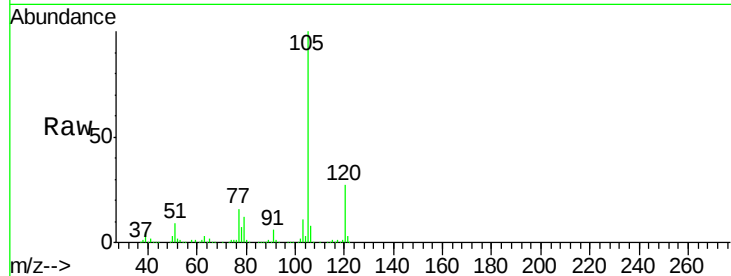
105 100

120 26.9 13.2 39.6

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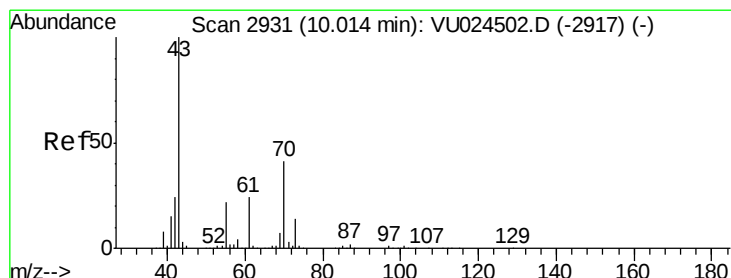
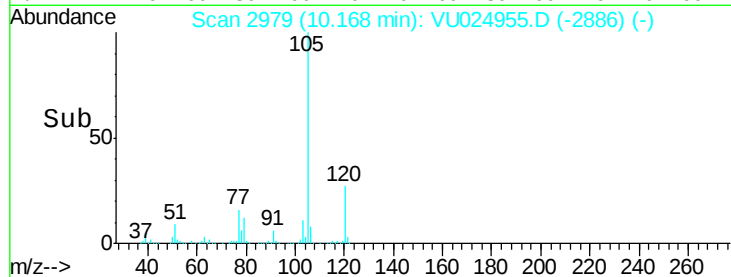
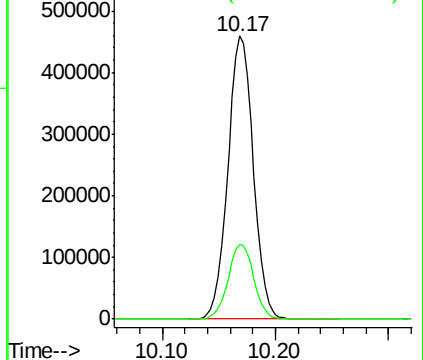
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.72 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion: 43 Resp: 292708

Ion Ratio Lower Upper

43 100

70 42.0 32.2 48.4

55 23.3 20.5 30.7

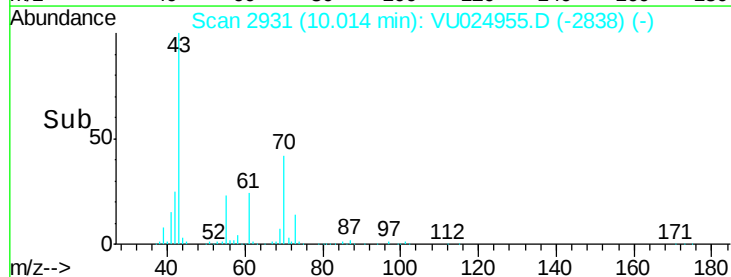
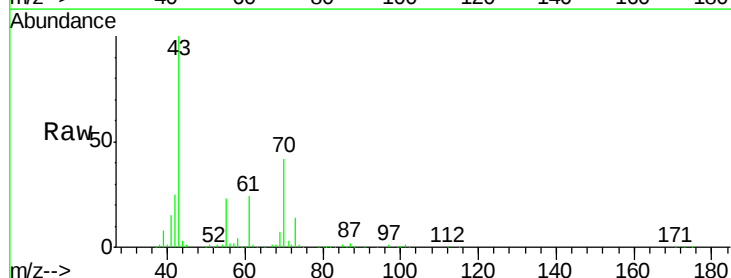
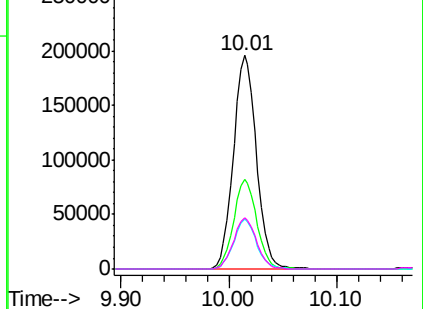
61 24.0 18.7 28.1

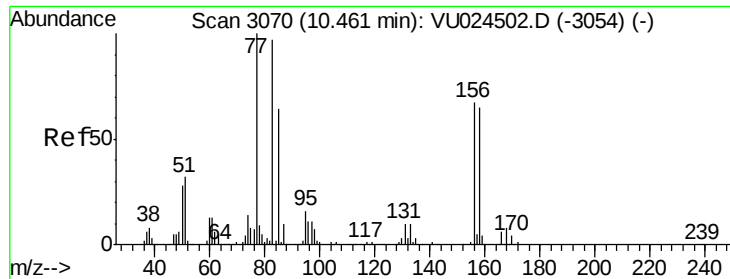
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.99 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 220970

Ion Ratio Lower Upper

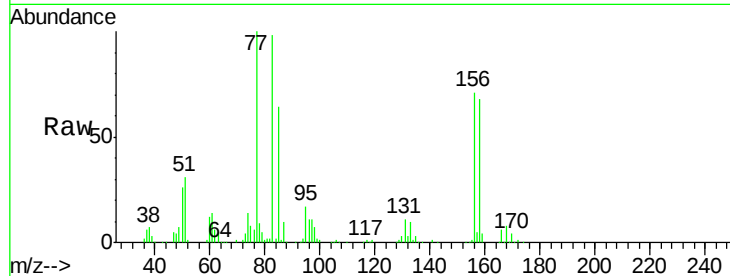
83 100

131 10.8 4.7 14.1

85 64.6 32.5 97.5

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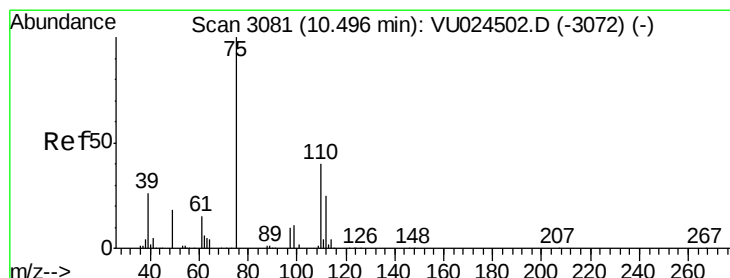
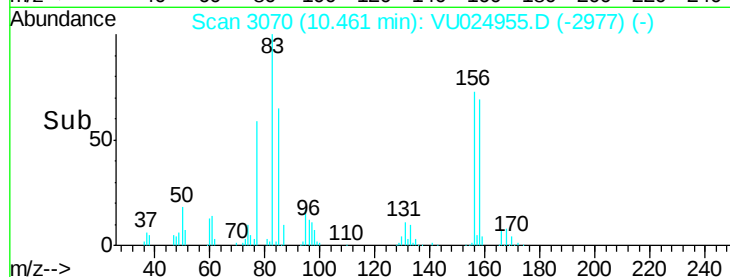
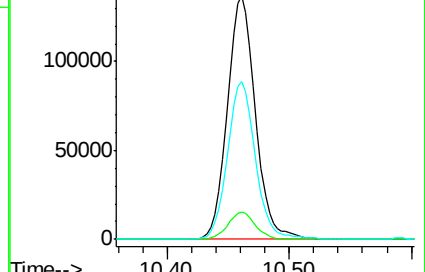
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Abundance Ion 82.90 (82.60 to 83.60): VU024955.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024955.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024955.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 49.40 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024955.D

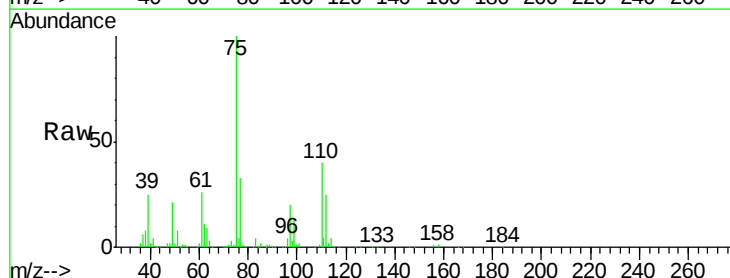
Acq: 27 Jun 2018 10:11

Tgt Ion: 75 Resp: 190639

Ion Ratio Lower Upper

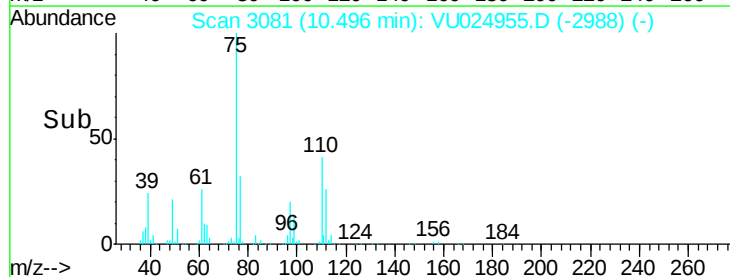
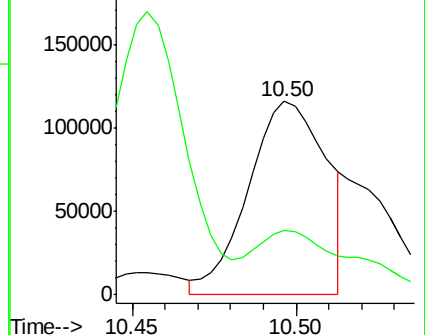
75 100

77 42.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024955.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024955.D (-2988) (-)





#77

Bromobenzene

Concen: 53.60 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

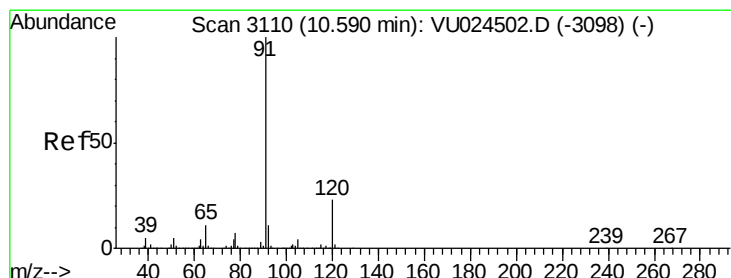
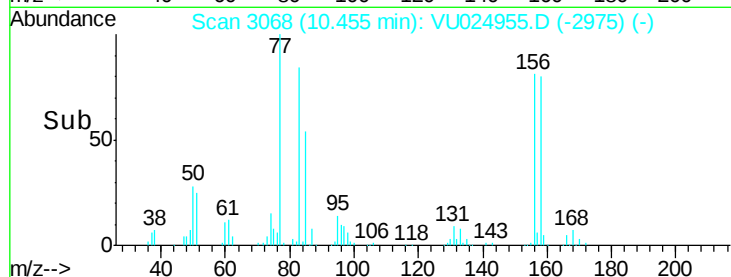
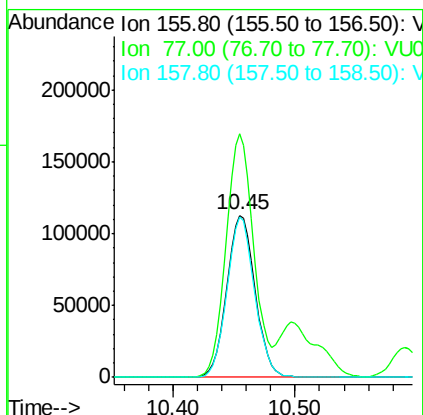
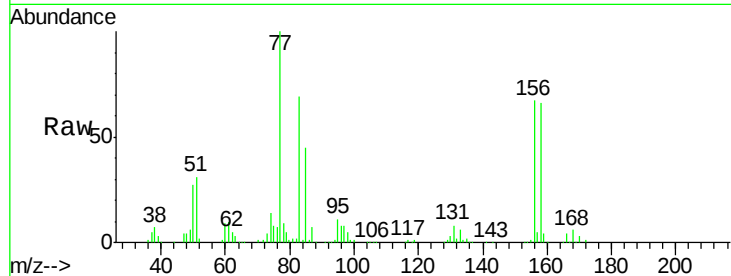
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	182636
Ion Ratio	Lower	Upper	
156	100		
77	147.6	80.5	241.3
158	96.9	48.2	144.6

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#78

n-propylbenzene

Concen: 51.72 ug/l

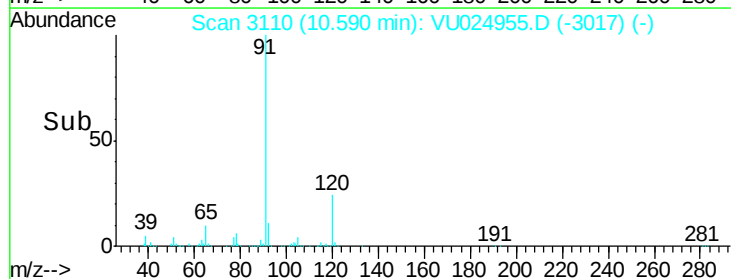
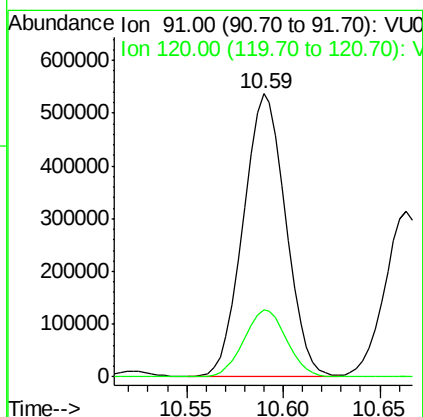
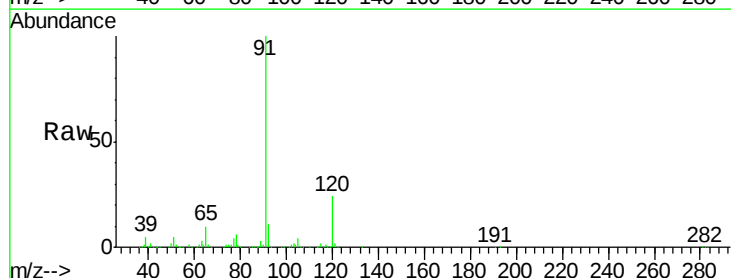
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	91	Resp:	819972
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 51.51 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 481597

Ion Ratio Lower Upper

91 100

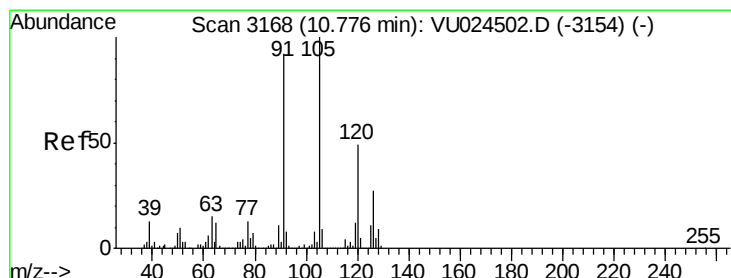
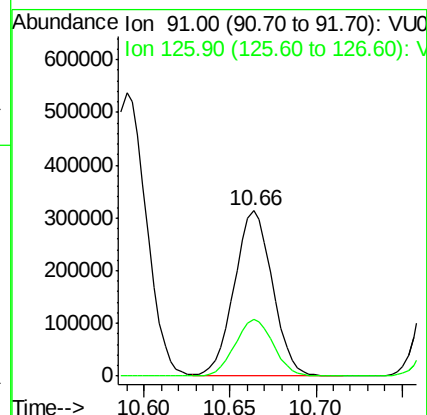
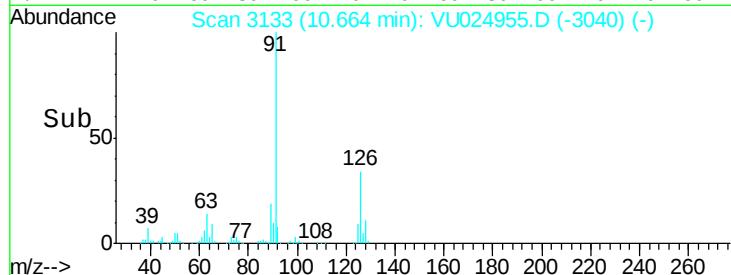
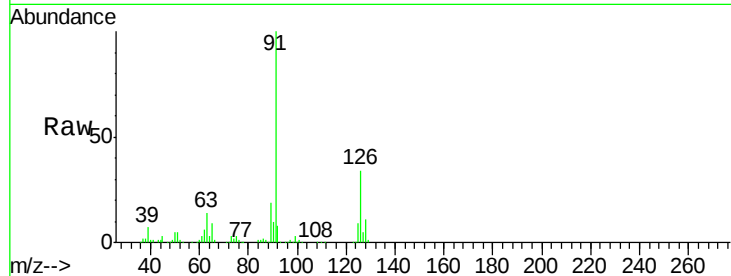
126 34.7 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.10 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024955.D

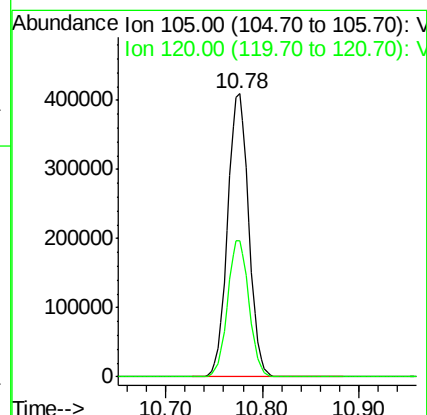
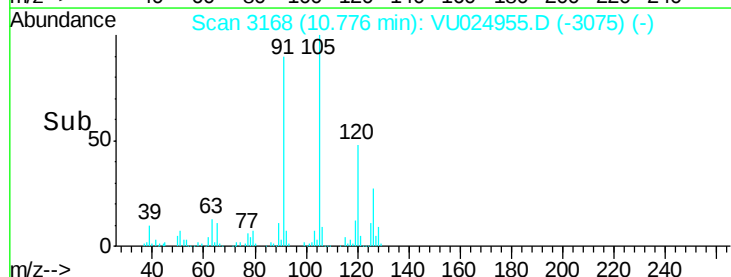
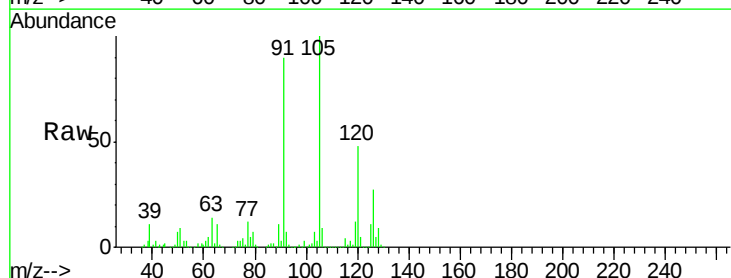
Acq: 27 Jun 2018 10:11

Tgt Ion: 105 Resp: 619388

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





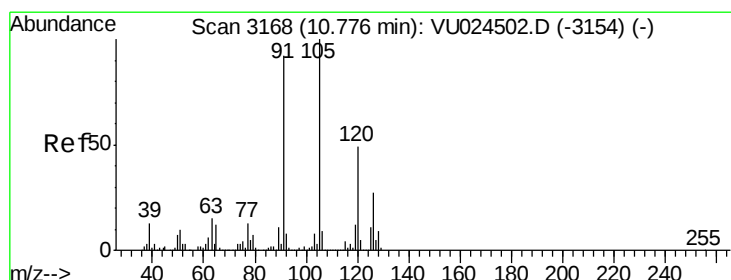
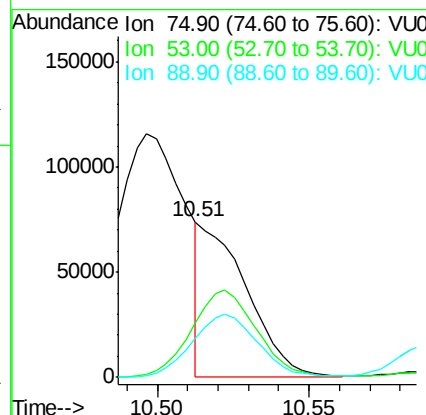
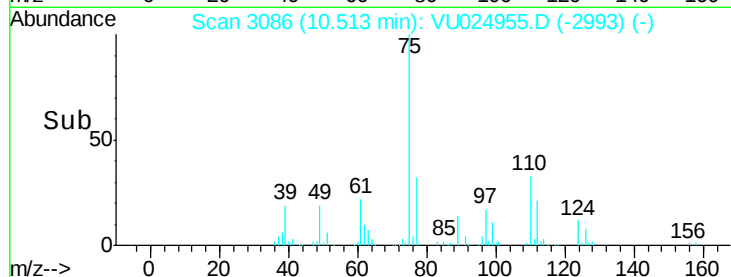
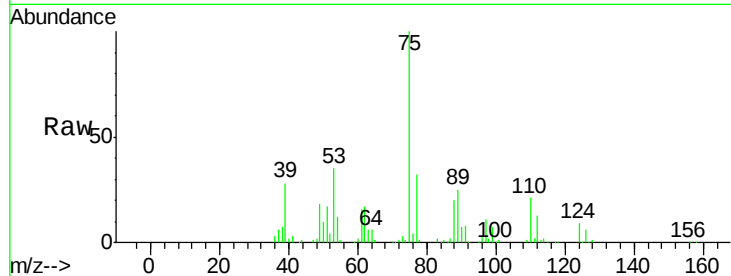
#81
trans-1,4-Dichloro-2-butene
Concen: 46.21 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

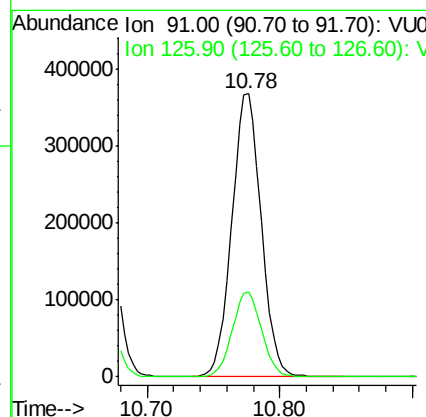
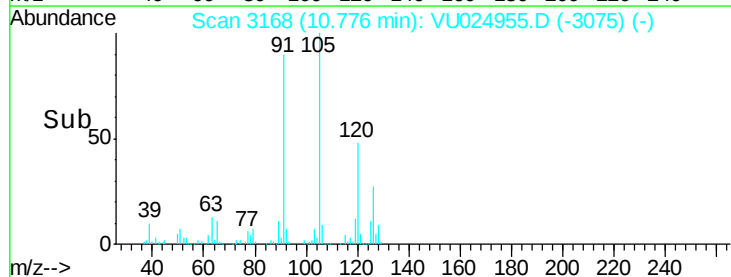
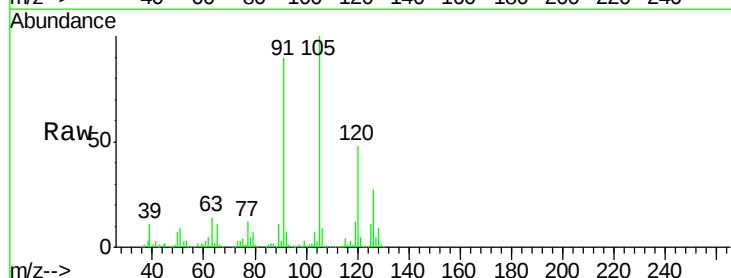
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#82
4-Chlorotoluene
Concen: 51.79 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9





#83

tert-Butylbenzene

Concen: 54.17 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

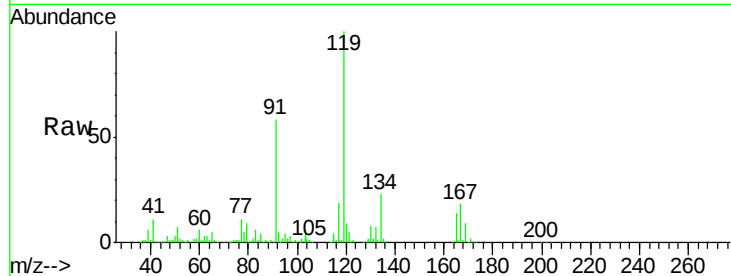
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	607887
Ion Ratio	Lower	Upper	
119	100		
91	59.1	29.7	89.1
134	23.1	11.6	34.7

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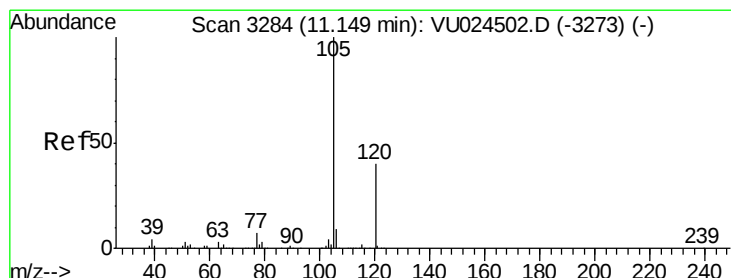
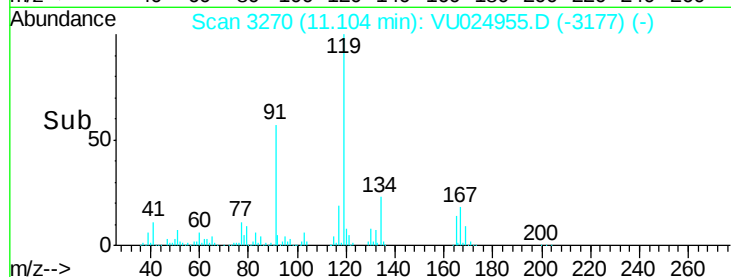
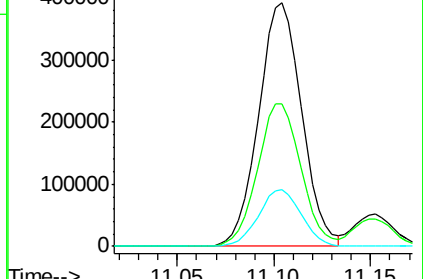
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.77 ug/l

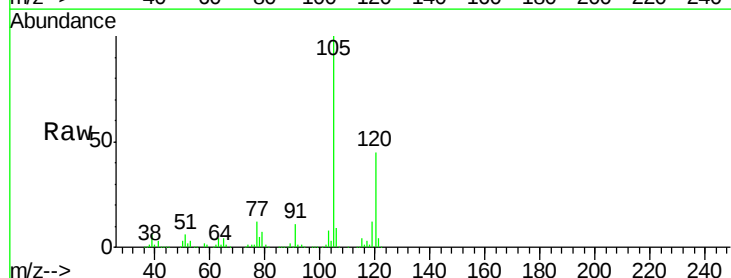
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024955.D

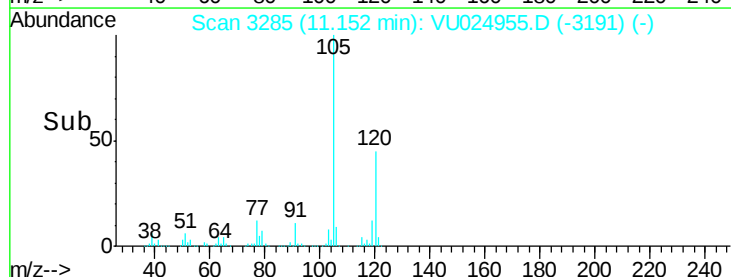
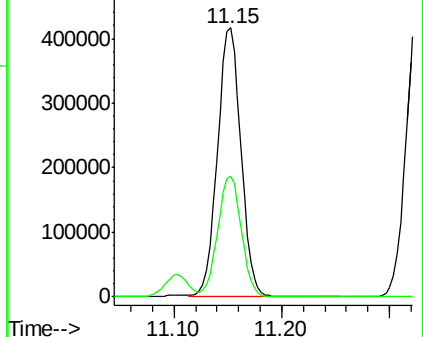
Acq: 27 Jun 2018 10:11

Tgt Ion:	105	Resp:	627344
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.77 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 741230

Ion Ratio Lower Upper

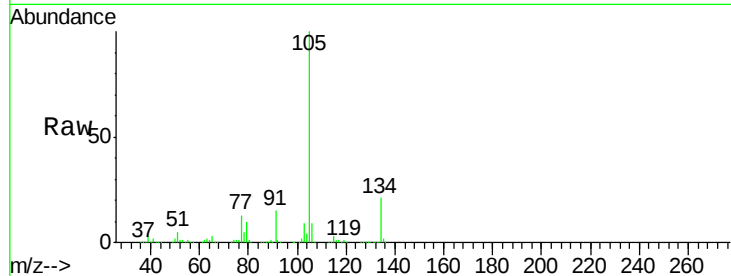
105 100

134 20.5 9.7 29.1

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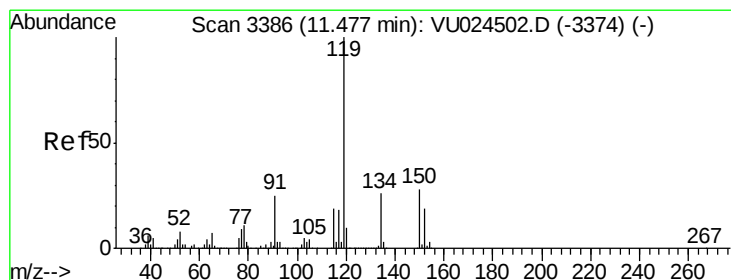
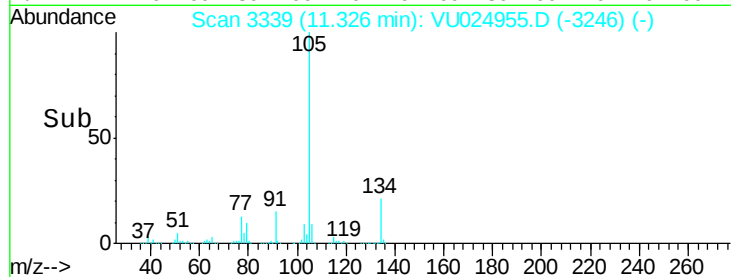
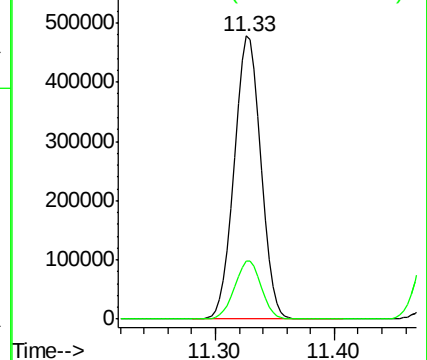
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.33 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

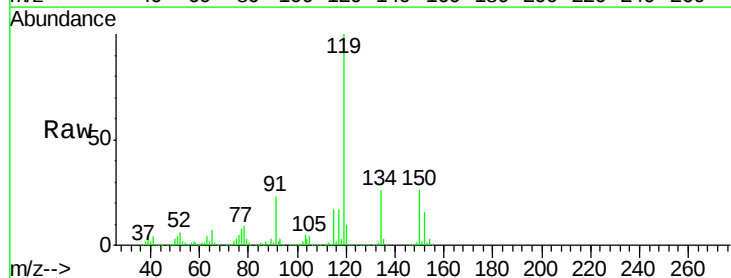
Tgt Ion:119 Resp: 670930

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

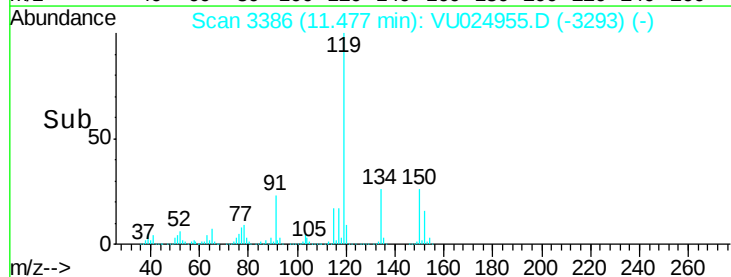
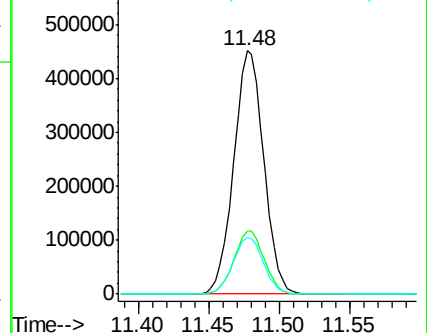
91 23.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





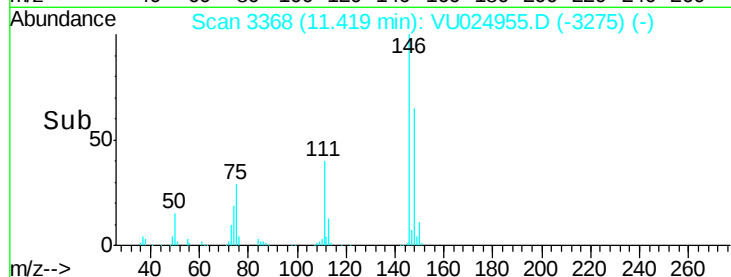
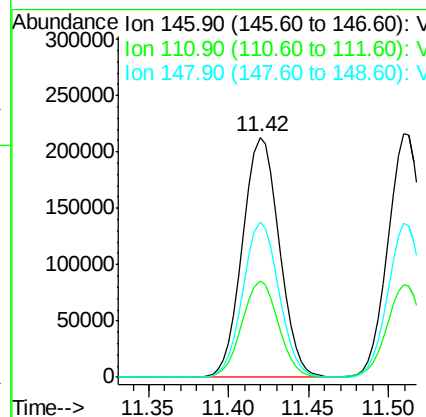
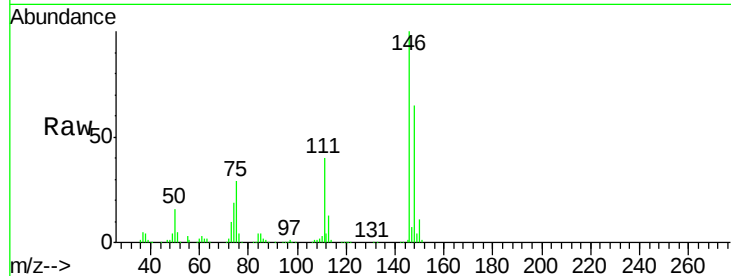
#87
 1,3-Dichlorobenzene
 Concen: 53.06 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	63.5	32.1	96.5

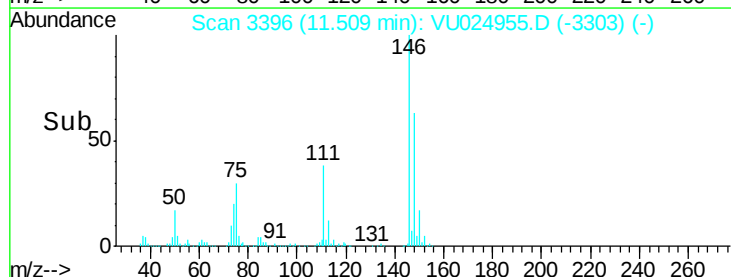
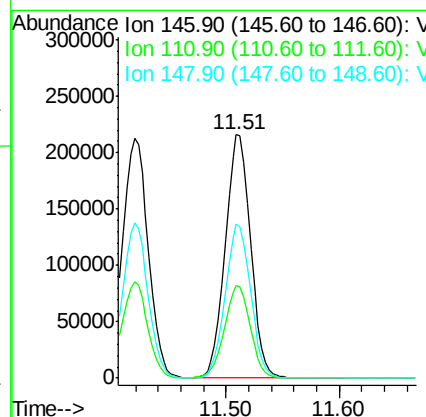
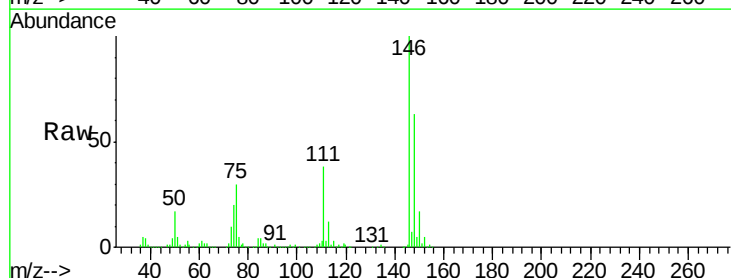
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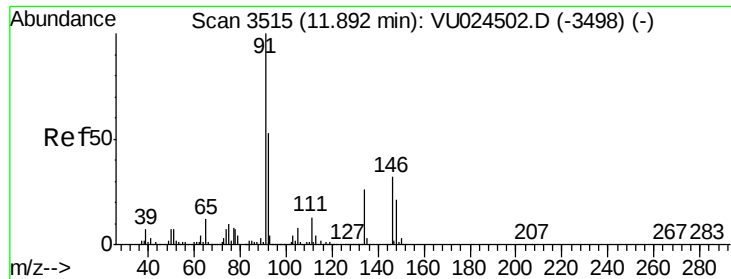
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#88
 1,4-Dichlorobenzene
 Concen: 53.09 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.2	32.4	97.0





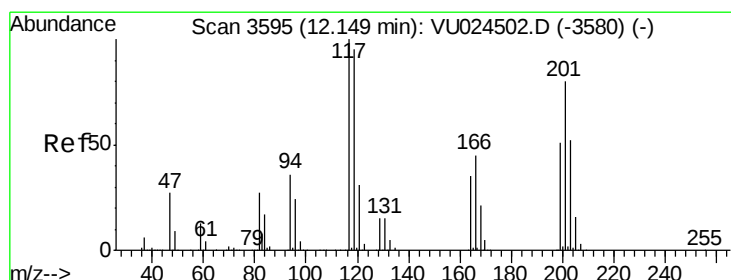
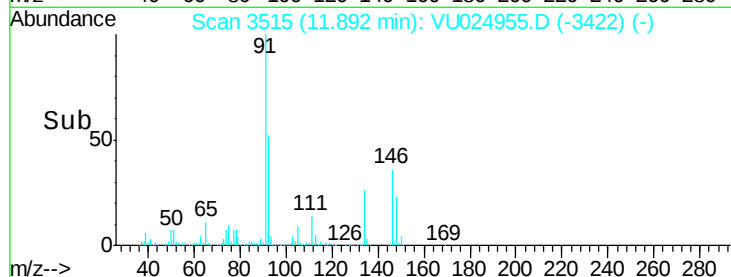
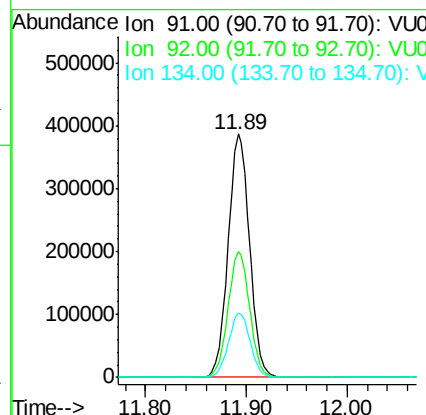
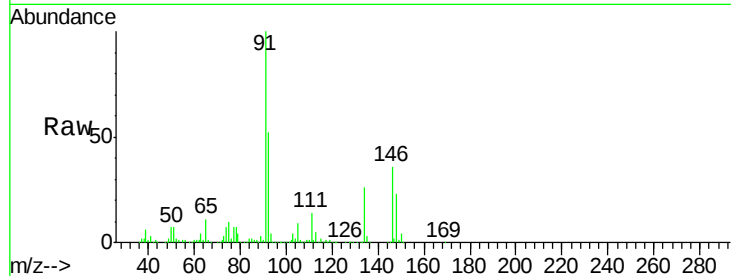
#89
n-Butylbenzene
Concen: 51.32 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.6	76.8
134	26.8	12.3	36.8

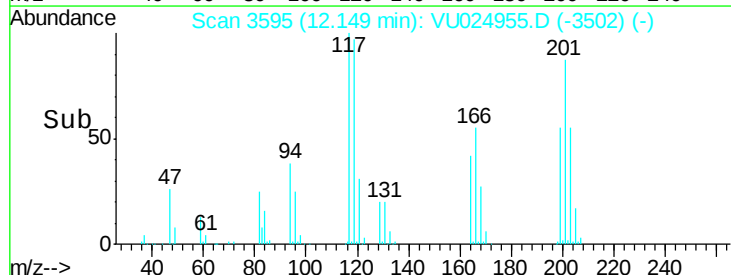
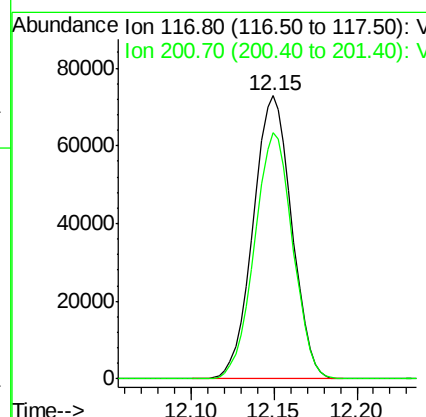
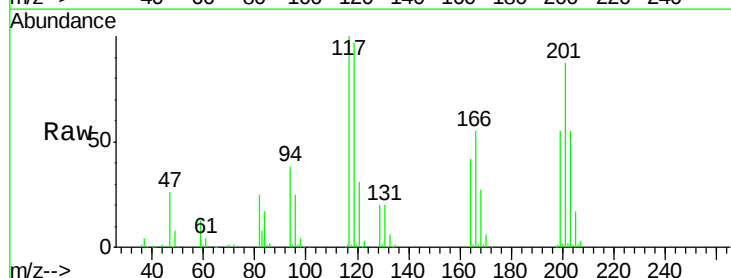
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#90
Hexachloroethane
Concen: 47.89 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024955.D
Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	41.1	123.3





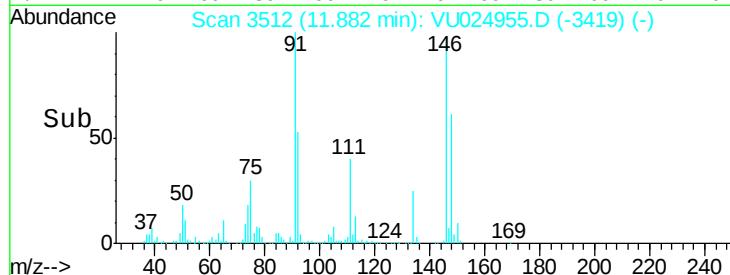
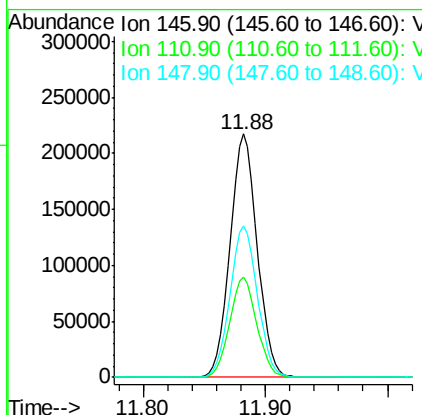
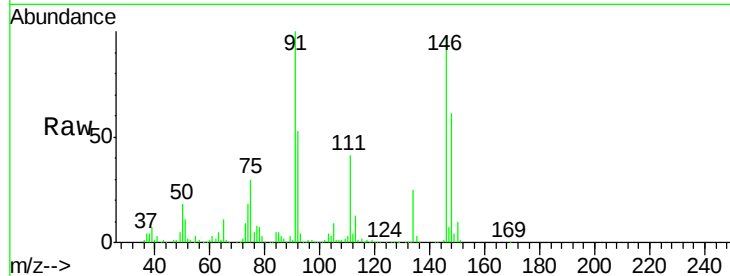
#91
 1,2-Dichlorobenzene
 Concen: 53.47 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	337118		
111	40.9	20.5	61.6	
148	62.9	31.9	95.7	

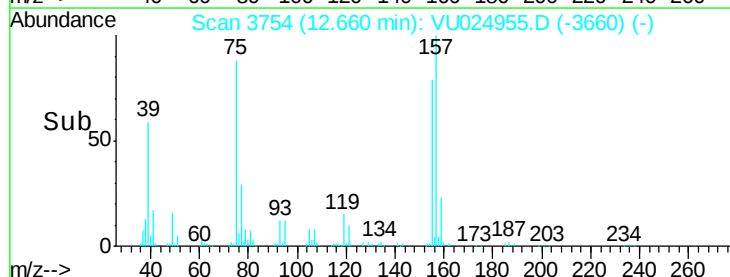
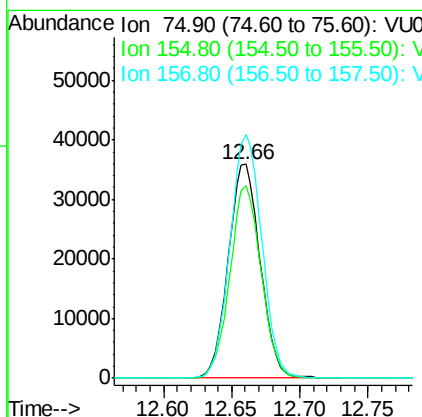
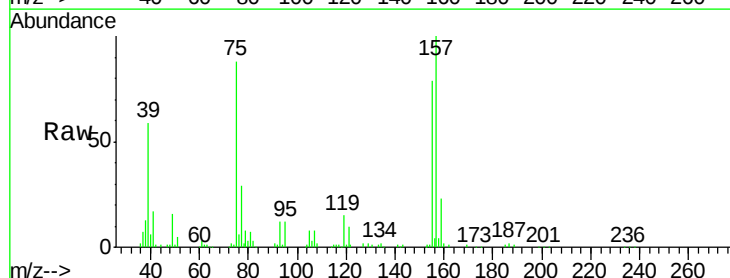
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.96 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58445		
155	88.1	40.4	121.2	
157	113.3	52.3	156.8	





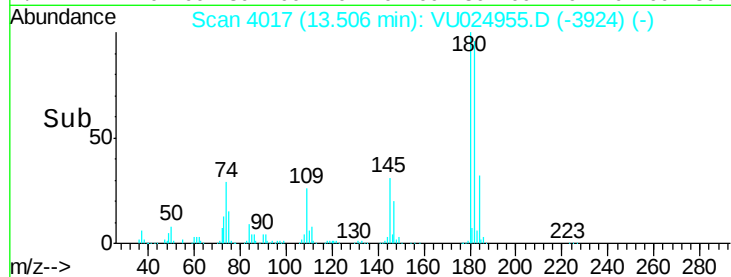
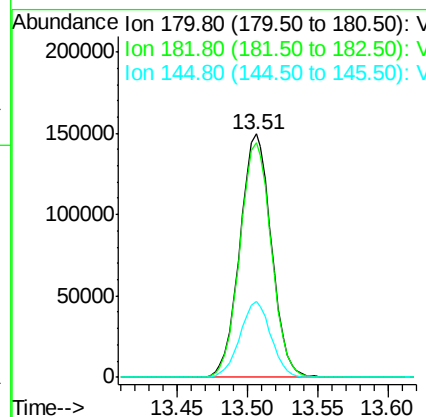
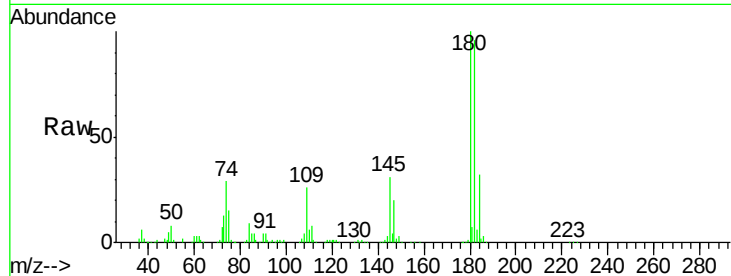
#93
 1,2,4-Trichlorobenzene
 Concen: 60.22 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234483		
182	96.6	48.0	144.2	
145	30.7	14.7	44.1	

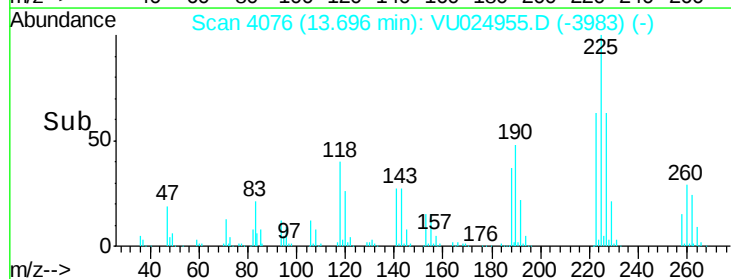
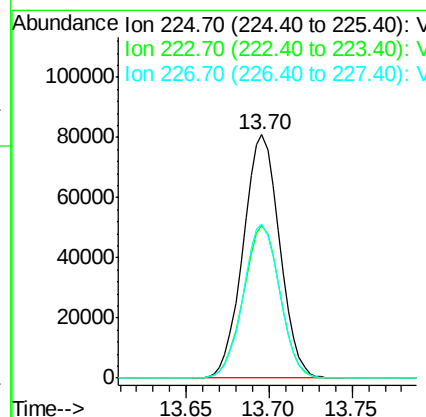
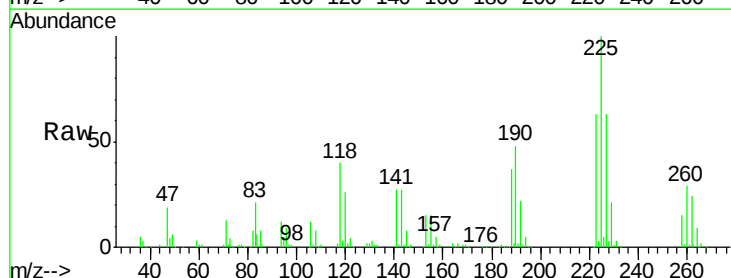
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 56.65 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024955.D
 Acq: 27 Jun 2018 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124150		
223	62.7	31.3	93.8	
227	63.0	31.8	95.4	





#95

Naphthalene

Concen: 56.68 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Instrument :

MSVOA_U

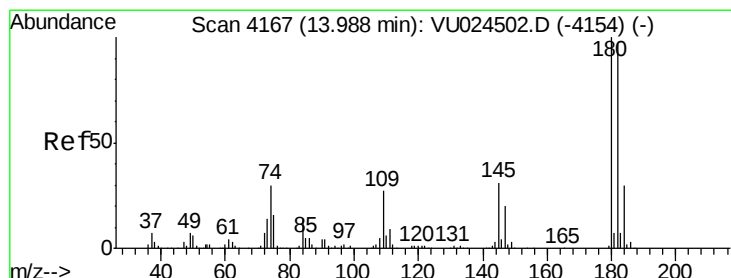
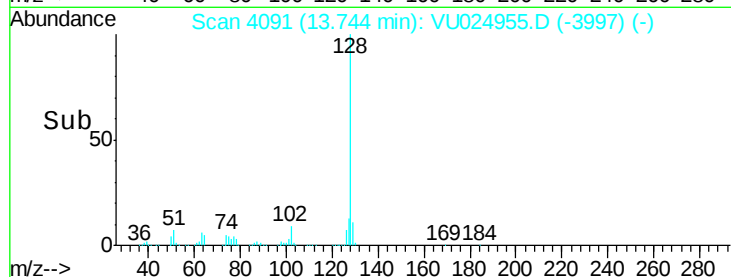
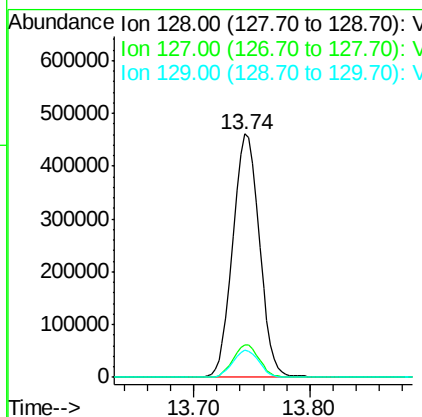
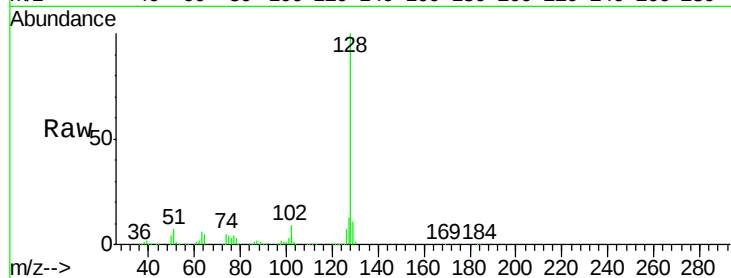
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	731776
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 62.25 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024955.D

Acq: 27 Jun 2018 10:11

Tgt Ion:	180	Resp:	241498
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.9	143.7
145	32.3	15.4	46.1

