

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024979.D
 Acq On : 27 Jun 2018 20:31
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:04 PM

Quant Time: Jun 28 04:55:55 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	183145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284538	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	166494	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	145278	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	4.89	113	115527	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	7.57	98	394319	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
62) 4-Bromofluorobenzene	10.31	95	164075	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	99009	43.19	ug/l	99
3) Chloromethane	1.33	50	105157	44.90	ug/l	99
4) Vinyl Chloride	1.40	62	112578	46.61	ug/l	100
5) Bromomethane	1.61	94	61734	52.87	ug/l	98
6) Chloroethane	1.69	64	74503	55.31	ug/l	99
7) Trichlorofluoromethane	1.88	101	185512	50.33	ug/l	100
8) Diethyl Ether	2.10	74	70588	56.52	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	112229	49.08	ug/l	98
10) Methyl Iodide	2.41	142	128031	64.45	ug/l	99
11) Tert butyl alcohol	2.83	59	170169	234.02	ug/l	99
12) 1,1-Dichloroethene	2.28	96	102713	49.25	ug/l	97
13) Acrolein	2.19	56	37811	99.02	ug/l	98
14) Allyl chloride	2.59	41	183116	47.29	ug/l	98
15) Acrylonitrile	2.93	53	355967	251.60	ug/l	98
16) Acetone	2.32	43	332874	207.21	ug/l	98
17) Carbon Disulfide	2.48	76	291441	43.65	ug/l	98
18) Methyl Acetate	2.62	43	208820	60.63	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	415615	53.02	ug/l	95
20) Methylene Chloride	2.70	84	124029	49.21	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	114421	49.82	ug/l	99
22) Diisopropyl ether	3.57	45	395021	51.46	ug/l	97
23) Vinyl Acetate	3.53	43	1663029	241.87	ug/l	99
24) 1,1-Dichloroethane	3.45	63	225649	51.10	ug/l	99
25) 2-Butanone	4.26	43	518444	240.26	ug/l	97
26) 2,2-Dichloropropane	4.23	77	192734	45.97	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	136218	51.59	ug/l	99
28) Bromochloromethane	4.55	49	42274	21.74	ug/l	88
29) Tetrahydrofuran	4.63	42	330268	247.15	ug/l	96
30) Chloroform	4.68	83	238113	53.28	ug/l	98
31) Cyclohexane	5.00	56	207214	52.96	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	216890	52.48	ug/l	96
36) 1,1-Dichloropropene	5.14	75	169224	50.61	ug/l	98
37) Ethyl Acetate	4.38	43	193124	52.99	ug/l	98
38) Carbon Tetrachloride	5.14	117	193134	52.53	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	208047	49.86	ug/l	97
40) Benzene	5.39	78	498055	52.28	ug/l	98
41) Methacrylonitrile	4.54	41	107825	54.88	ug/l	98
42) 1,2-Dichloroethane	5.41	62	203742	56.15	ug/l	100
43) Isopropyl Acetate	5.55	43	309163	49.08	ug/l	98
44) Trichloroethene	6.19	130	139292	51.37	ug/l	94
45) 1,2-Dichloropropane	6.44	63	132552	52.14	ug/l	98
46) Dibromomethane	6.56	93	94719	53.05	ug/l	95
47) Bromodichloromethane	6.76	83	182175	51.24	ug/l	99
48) Methyl methacrylate	6.62	41	159816	52.10	ug/l	99
49) 1,4-Dioxane	6.62	88	72191	1203.47	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	994321	251.25	ug/l	98
52) Toluene	7.64	92	319637	52.15	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	199023	49.84	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	209018	49.13	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	131922	52.95	ug/l	97
56) Ethyl methacrylate	8.02	69	209244	50.18	ug/l	100
57) 1,3-Dichloropropane	8.25	76	224547	53.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	122184	76.48	ug/l	96
59) 2-Hexanone	8.36	43	804236	248.92	ug/l	100
60) Dibromochloromethane	8.48	129	151482	48.76	ug/l	99
61) 1,2-Dibromoethane	8.59	107	144253	52.02	ug/l	99
64) Tetrachloroethene	8.23	164	131738	51.37	ug/l	97
65) Chlorobenzene	9.12	112	364356	52.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	136625	52.18	ug/l	97
67) Ethyl Benzene	9.25	91	633243	52.41	ug/l	98
68) m/p-Xylenes	9.38	106	496136	106.93	ug/l	97
69) o-Xylene	9.78	106	247366	53.87	ug/l	96
70) Styrene	9.80	104	391500	51.88	ug/l	98
71) Bromoform	9.96	173	118553	47.63	ug/l #	98
73) Isopropylbenzene	10.17	105	663038	51.87	ug/l	100
74) N-amyl acetate	10.01	43	285177	46.90	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	220827	51.55	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	201791m	55.05	ug/l	
77) Bromobenzene	10.45	156	168653	52.12	ug/l	95
78) n-propylbenzene	10.59	91	755368	50.16	ug/l	97
79) 2-Chlorotoluene	10.66	91	457172	51.48	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	569818	51.43	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	70653m	44.61	ug/l	
82) 4-Chlorotoluene	10.78	91	528046	51.09	ug/l	99
83) tert-Butylbenzene	11.10	119	567842	53.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	586132	51.91	ug/l	100
85) sec-Butylbenzene	11.33	105	690874	51.79	ug/l	98
86) p-Isopropyltoluene	11.48	119	613206	51.32	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	310919	52.00	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	314690	52.29	ug/l	100
89) n-Butylbenzene	11.89	91	507867	47.88	ug/l	97
90) Hexachloroethane	12.15	117	104341	44.77	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	324476	54.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	60847	51.48	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	213282	57.67	ug/l	99
94) Hexachlorobutadiene	13.70	225	112154	53.88	ug/l	99
95) Naphthalene	13.74	128	702918	57.32	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	224140	60.83	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 183145

Ion Ratio Lower Upper

168 100

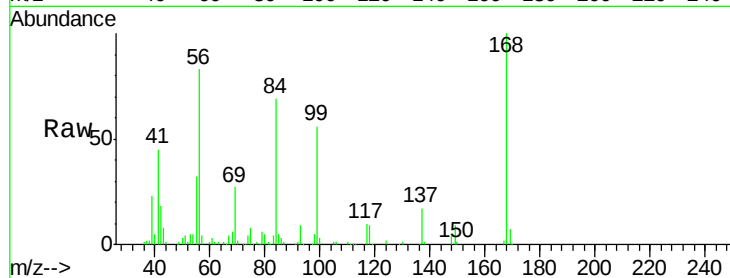
99 55.3 43.2 64.8

Manual Integrations

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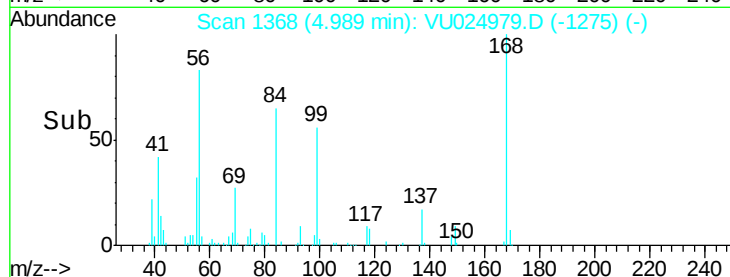
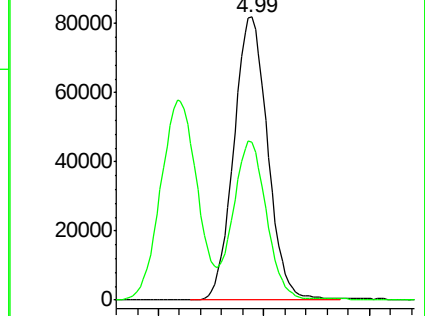
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 43.19 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024979.D

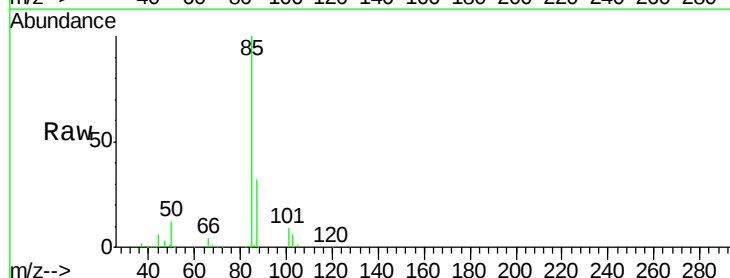
Acq: 27 Jun 2018 20:31

Tgt Ion: 85 Resp: 99009

Ion Ratio Lower Upper

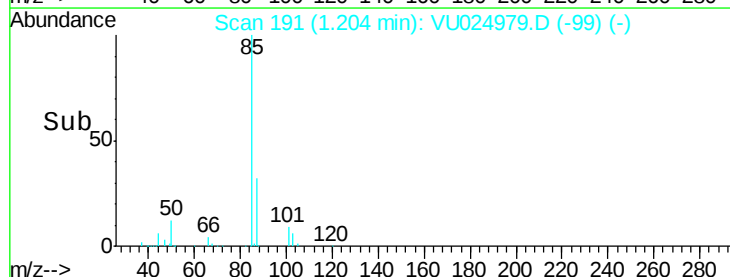
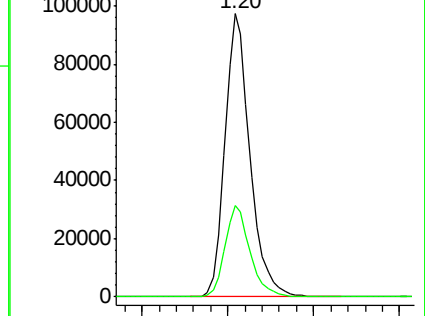
85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 44.90 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105157

Ion Ratio Lower Upper

50 100

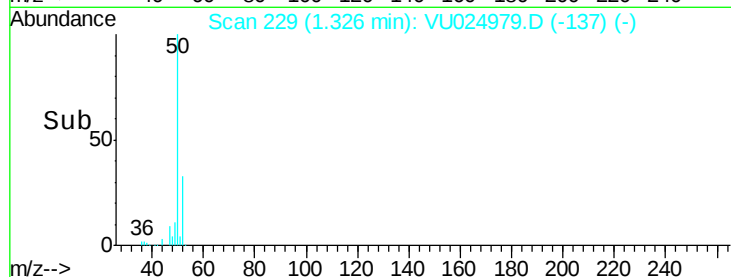
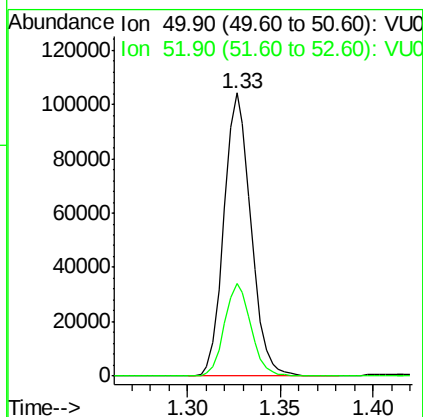
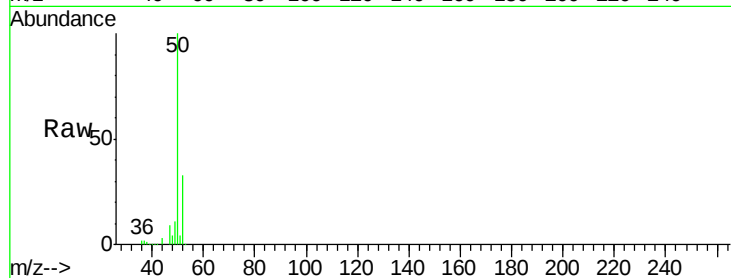
52 32.5 26.4 39.6

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#4

Vinyl Chloride

Concen: 46.61 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024979.D

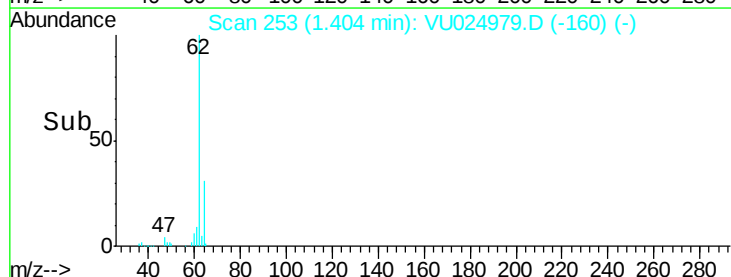
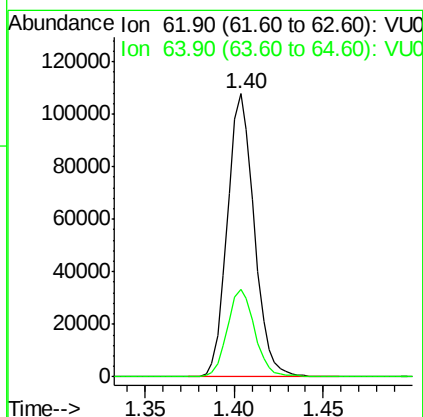
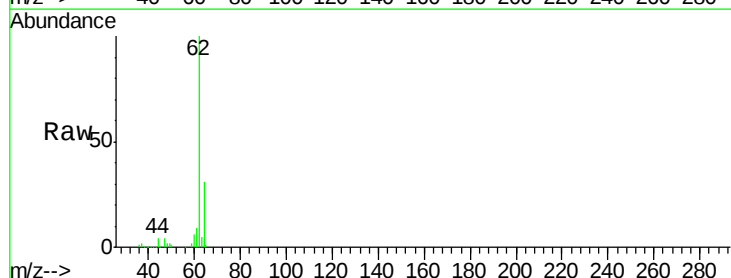
Acq: 27 Jun 2018 20:31

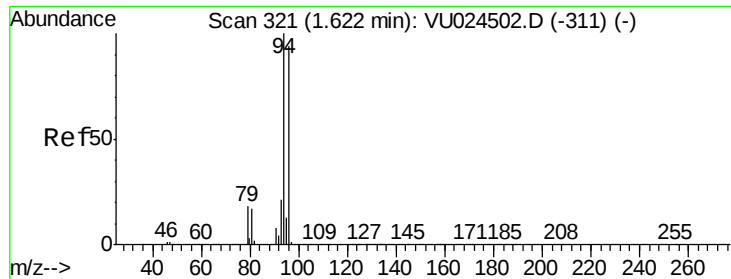
Tgt Ion: 62 Resp: 112578

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 52.87 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61734

Ion Ratio Lower Upper

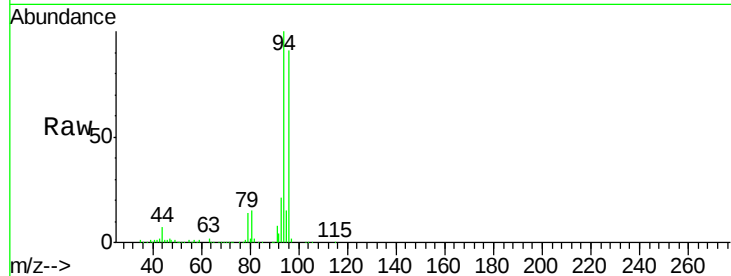
94 100

96 90.7 74.5 111.7

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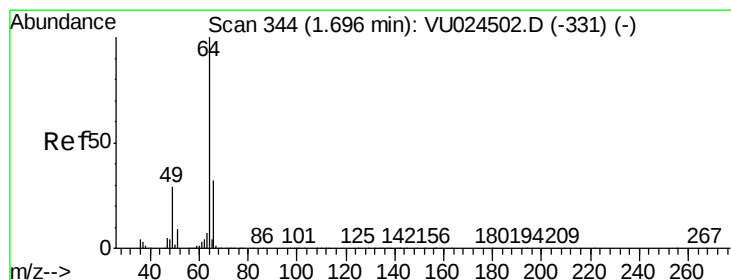
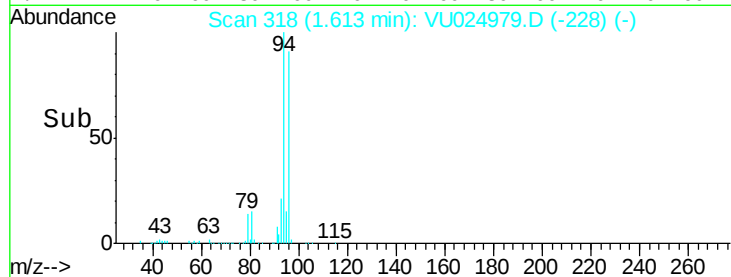
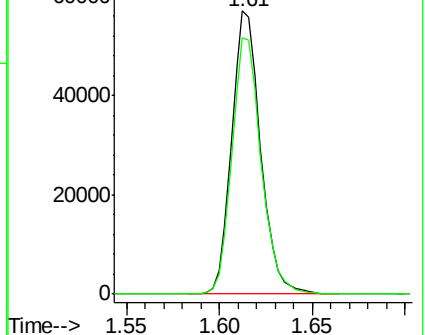
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Abundance Ion 93.90 (93.60 to 94.60): VU024979.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024979.D (-311) (-)



#6

Chloroethane

Concen: 55.31 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024979.D

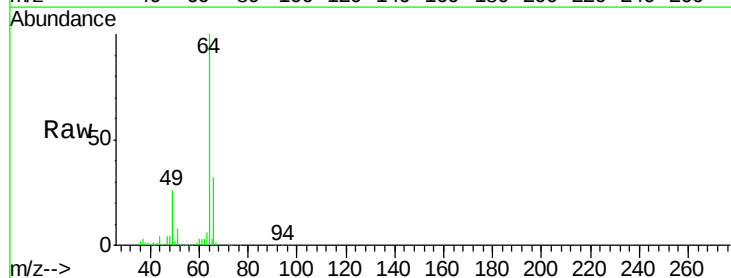
Acq: 27 Jun 2018 20:31

Tgt Ion: 64 Resp: 74503

Ion Ratio Lower Upper

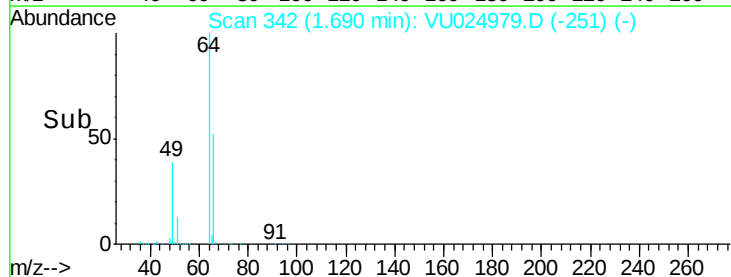
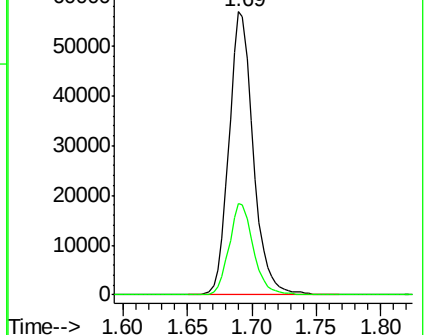
64 100

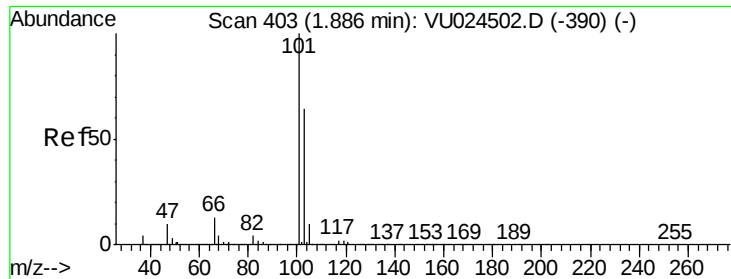
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024979.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024979.D (-331) (-)





#7

Trichlorofluoromethane

Concen: 50.33 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 185512

Ion Ratio Lower Upper

101 100

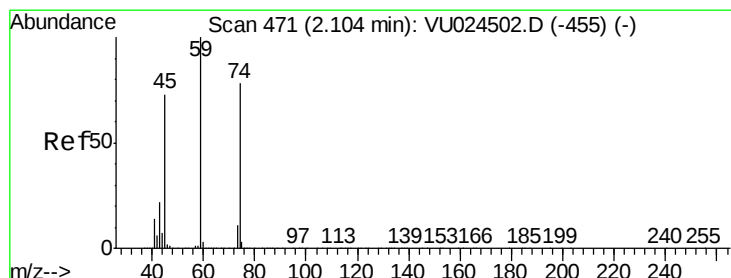
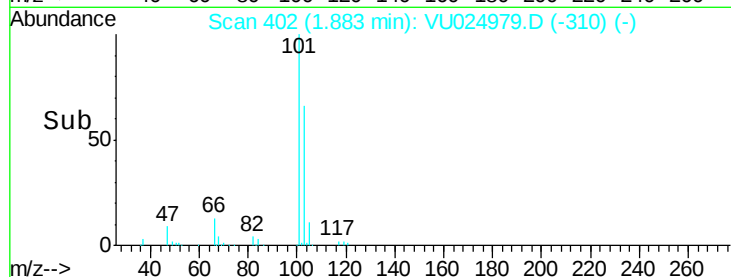
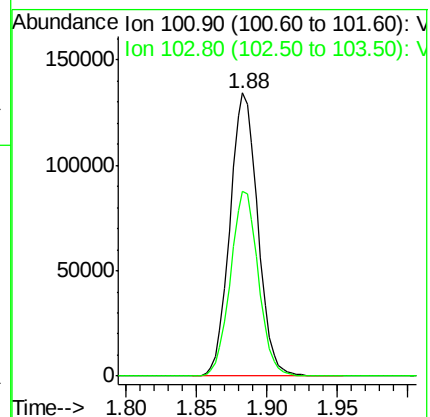
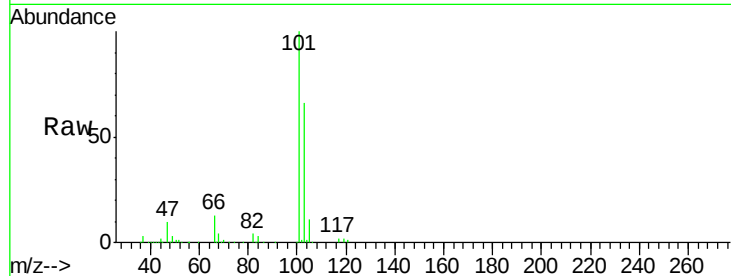
103 65.5 52.3 78.5

Manual Integrations

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#8

Diethyl Ether

Concen: 56.52 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024979.D

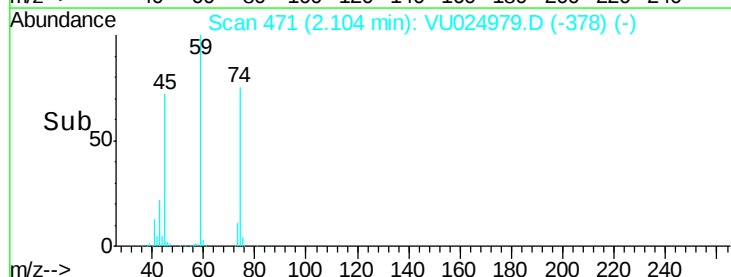
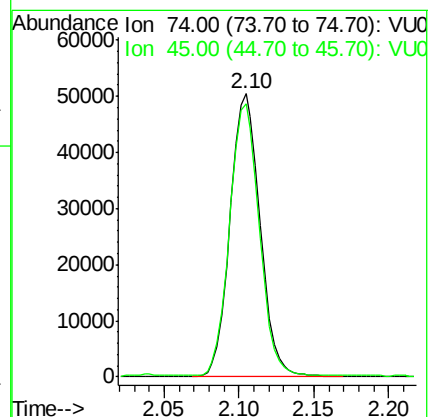
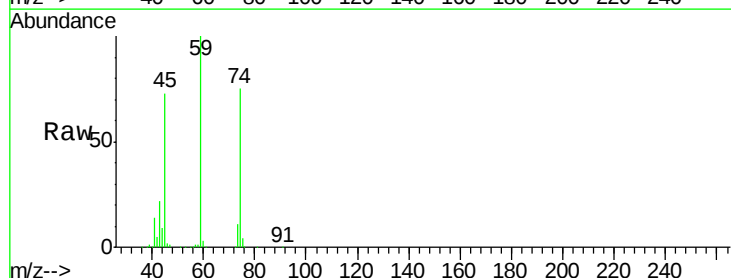
Acq: 27 Jun 2018 20:31

Tgt Ion: 74 Resp: 70588

Ion Ratio Lower Upper

74 100

45 95.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.08 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

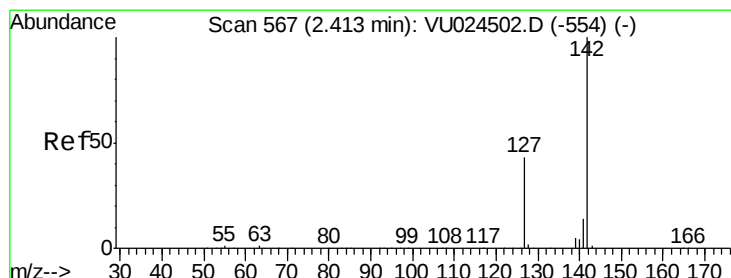
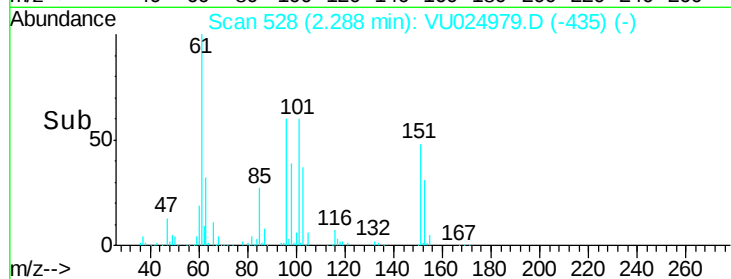
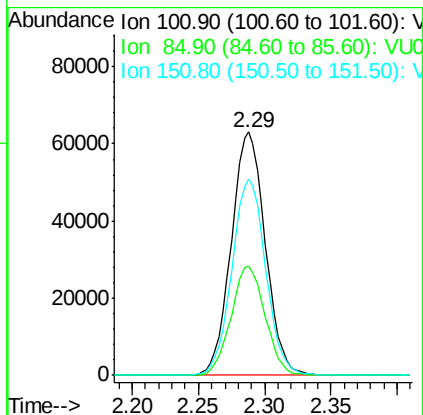
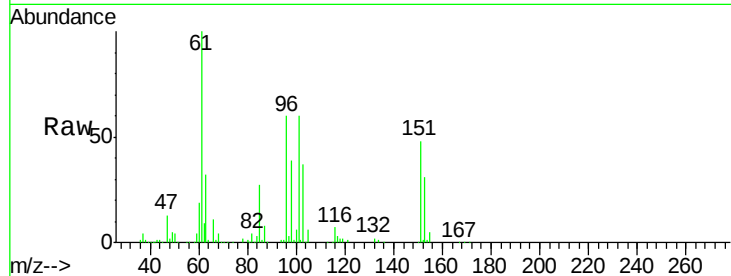
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	112229
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	80.4	62.3	93.5

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#10

Methyl Iodide

Concen: 64.45 ug/l

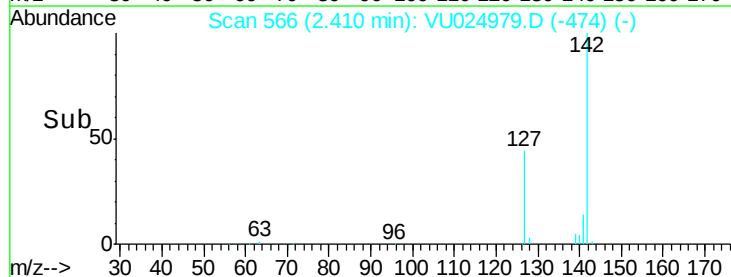
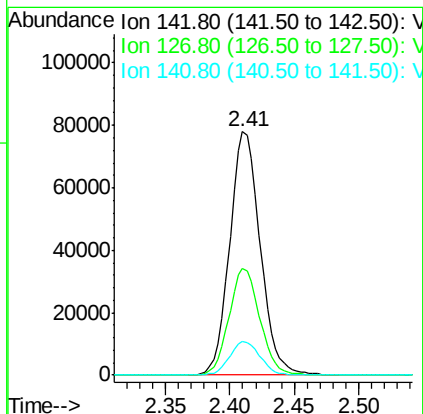
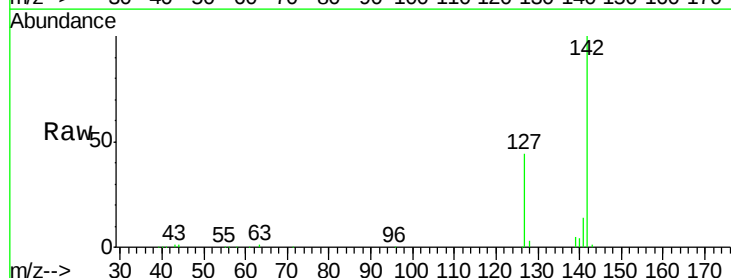
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	142	Resp:	128031
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.6	53.4
141	13.9	11.7	17.5





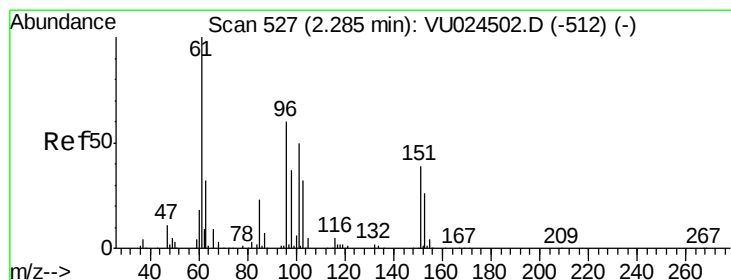
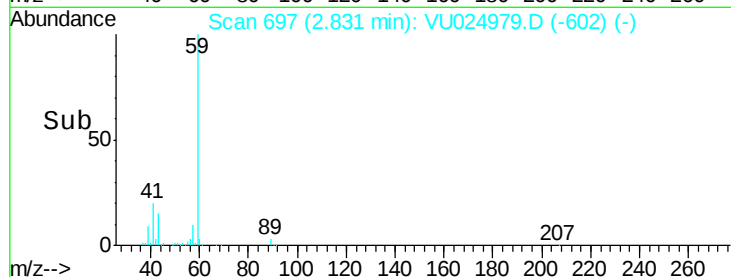
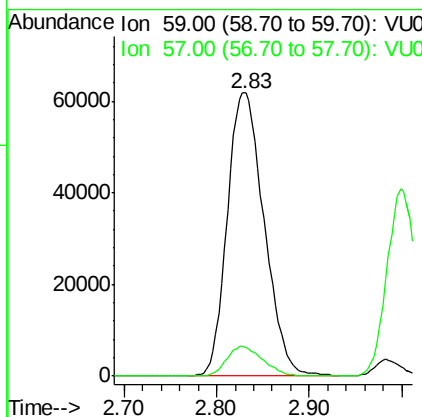
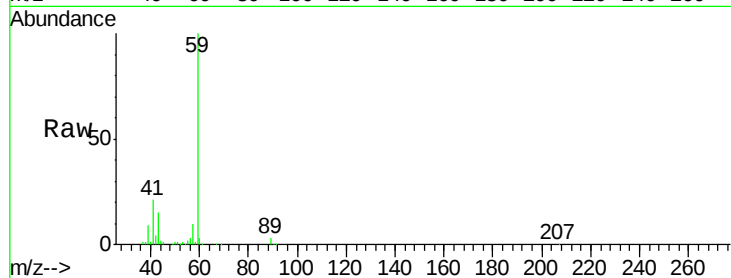
#11
Tert butyl alcohol
Concen: 234.02 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050EC

Tot Ion	59	Resp	170169
Ion Ratio	59	100	
Lower	57	10.3	8.5
Upper			12.7

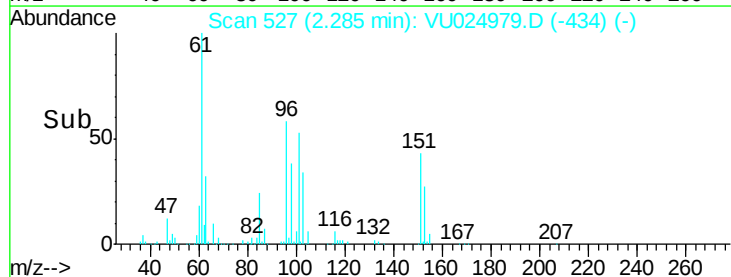
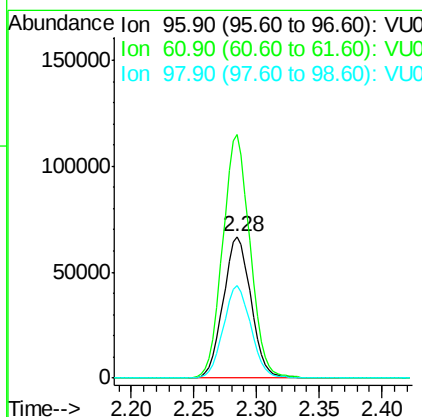
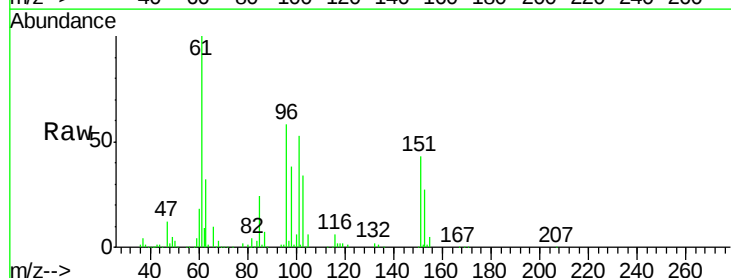
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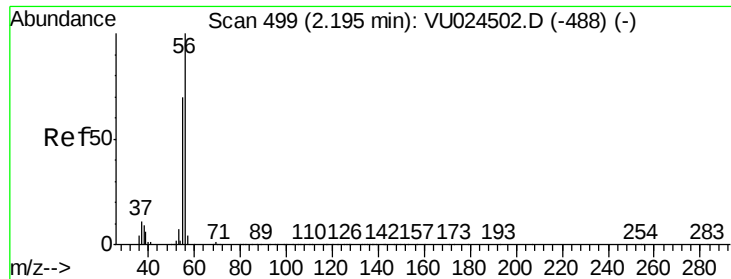
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.25 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	96	Resp	102713
Ion Ratio	96	100	
Lower	61	171.8	141.7
Upper	98	65.2	51.6
			77.4





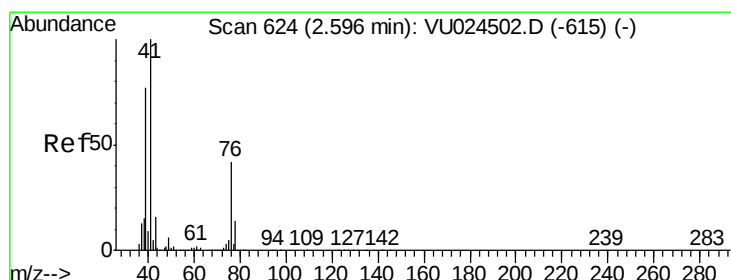
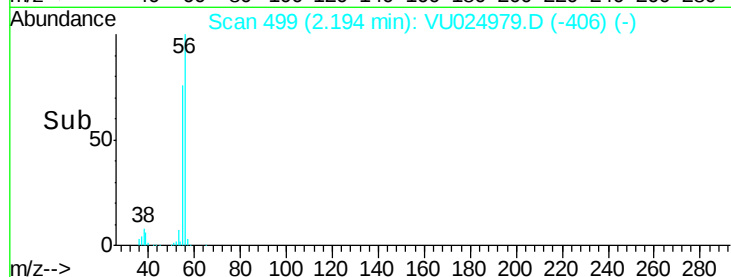
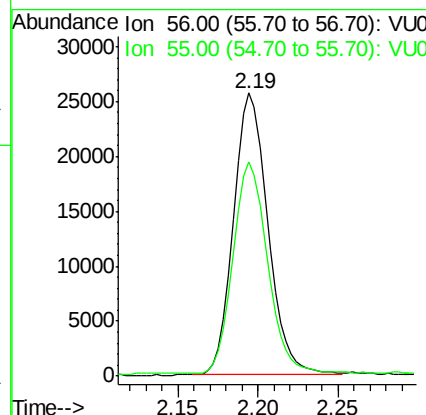
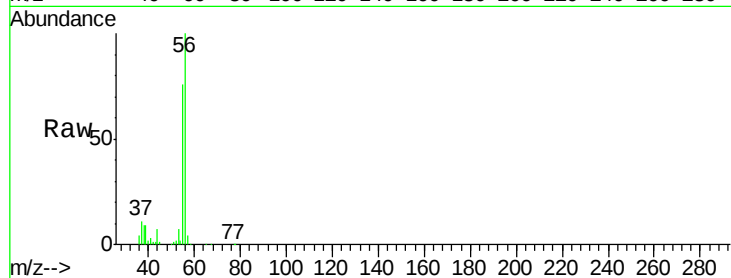
#13
Acrolein
Concen: 99.02 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	37811
Ion Ratio	100	Lower	Upper
55	74.8	58.4	87.6

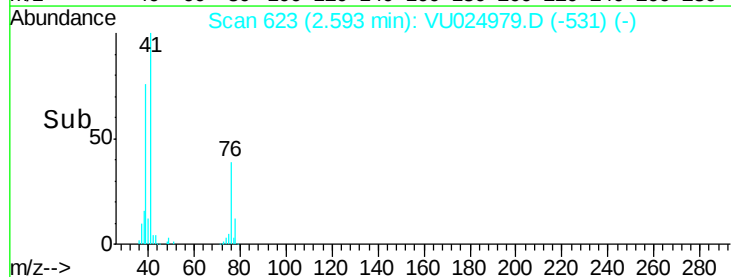
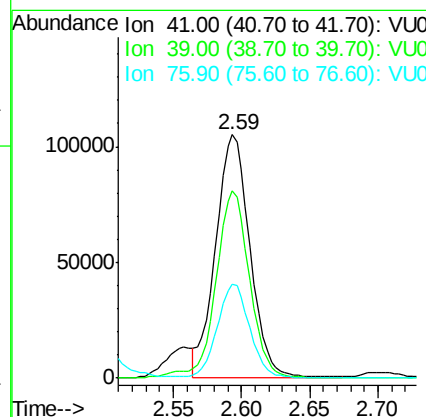
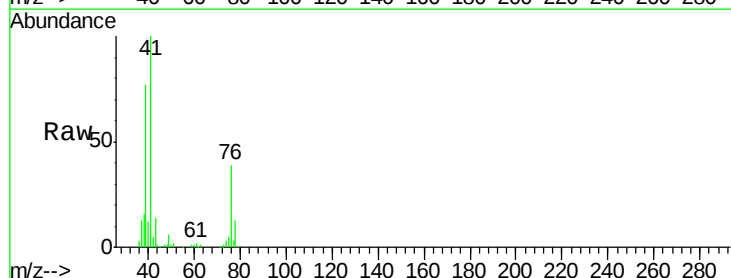
Manual Integrations
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#14
Allyl chloride
Concen: 47.29 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	41	Resp	183116
Ion Ratio	100	Lower	Upper
39	75.3	61.6	92.4
76	36.4	29.7	44.5





#15

Acrylonitrile

Concen: 251.60 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

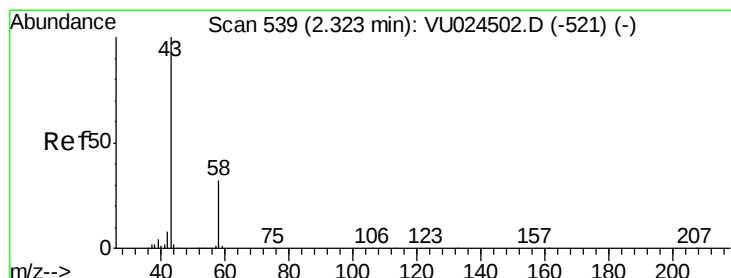
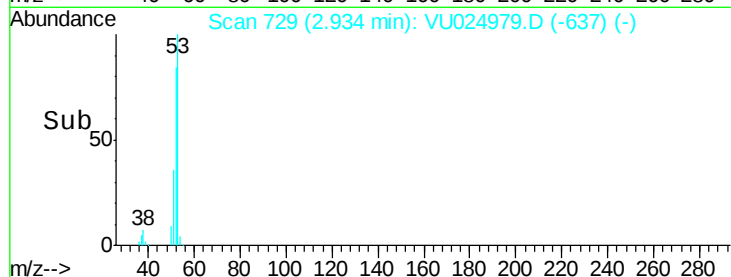
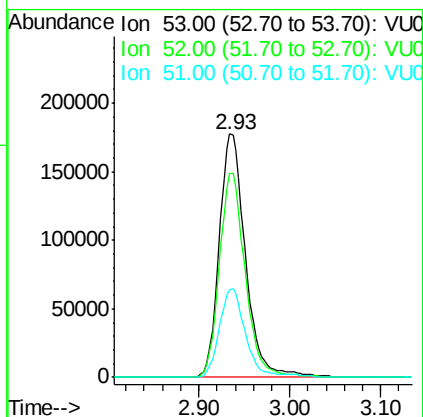
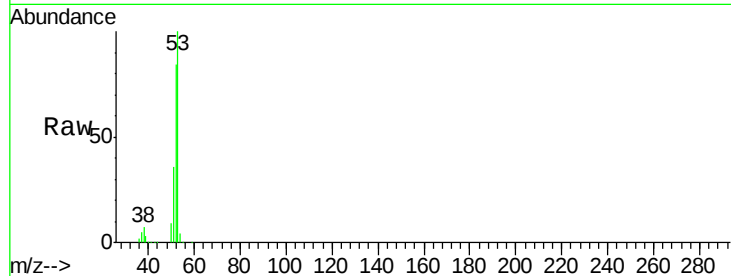
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	355967
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.1	100.7
51	36.8	28.4	42.6

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#16

Acetone

Concen: 207.21 ug/l

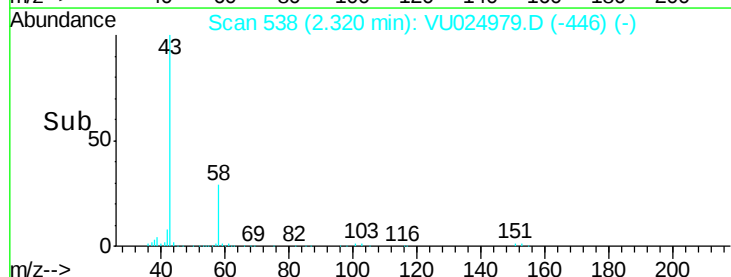
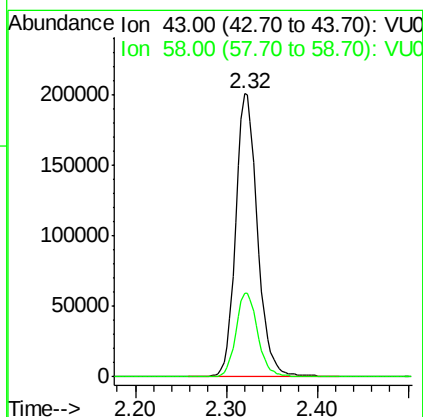
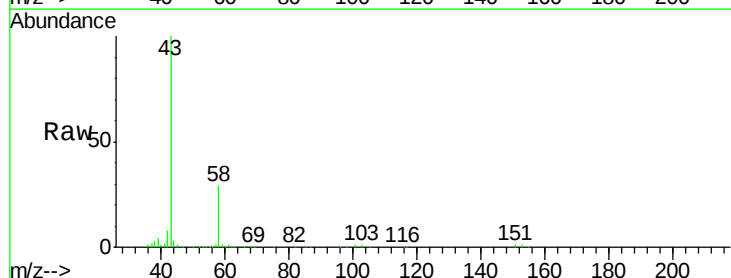
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	43	Resp:	332874
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.4	36.6





#17

Carbon Disulfide

Concen: 43.65 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 291441

Ion Ratio Lower Upper

76 100

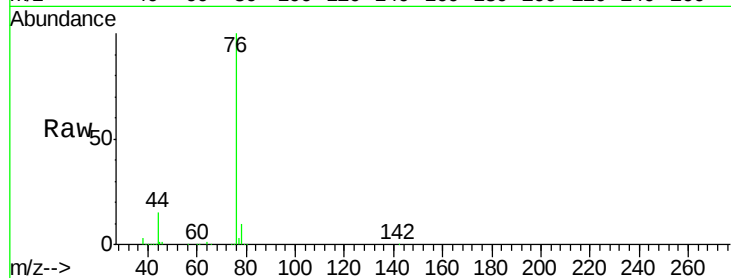
78 9.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

2.48

200000

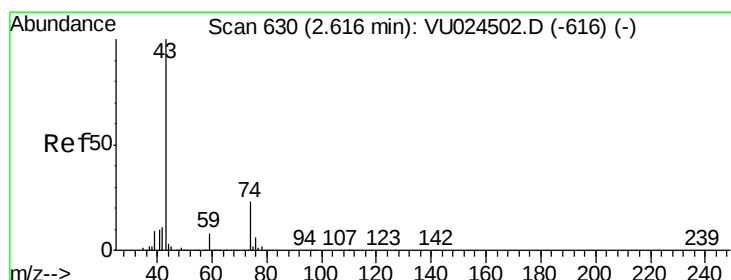
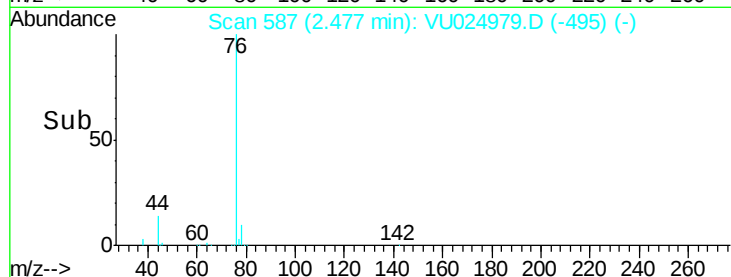
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.63 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024979.D

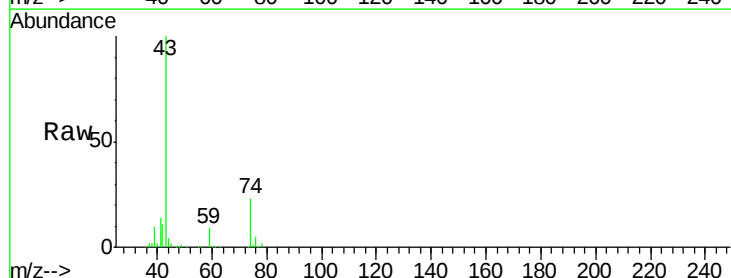
Acq: 27 Jun 2018 20:31

Tgt Ion: 43 Resp: 208820

Ion Ratio Lower Upper

43 100

74 23.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024979.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU024979.D (-537) (-)

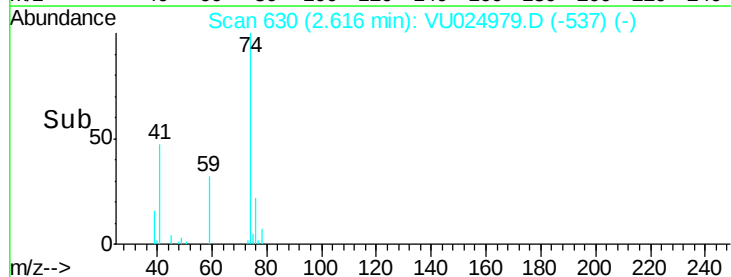
2.62

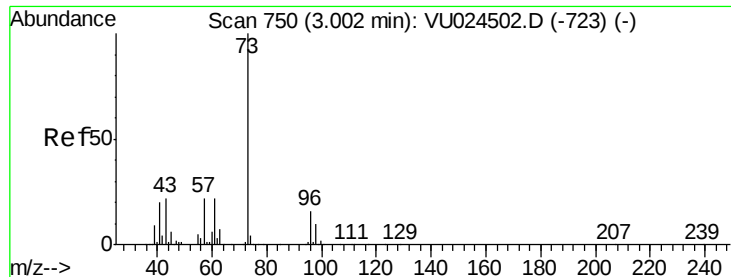
100000

50000

0

Time-->





#19

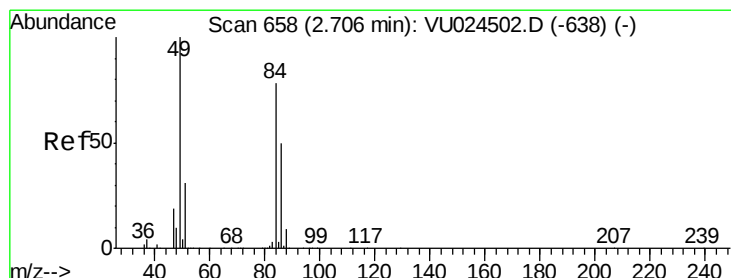
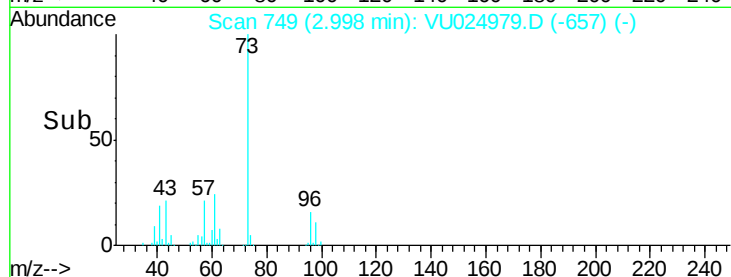
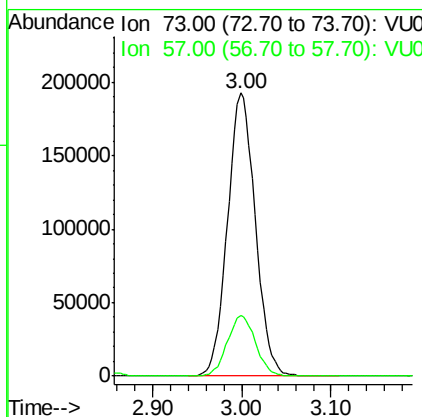
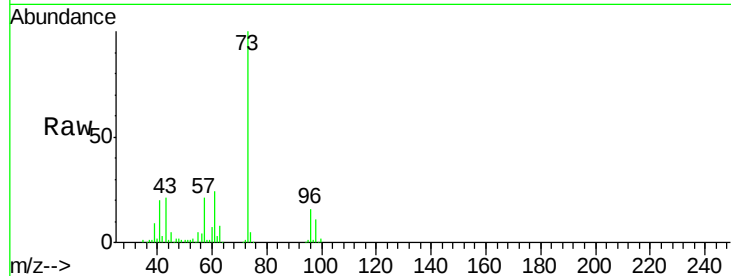
Methyl tert-butyl Ether
 Concen: 53.02 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

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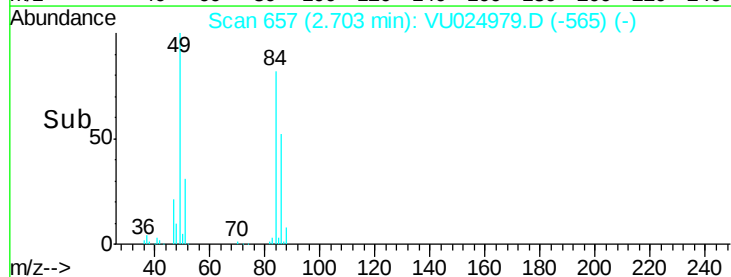
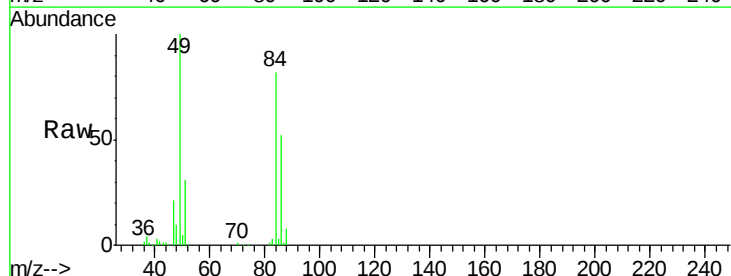
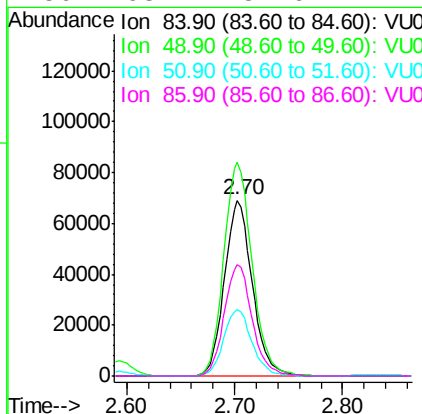
MMDadoda
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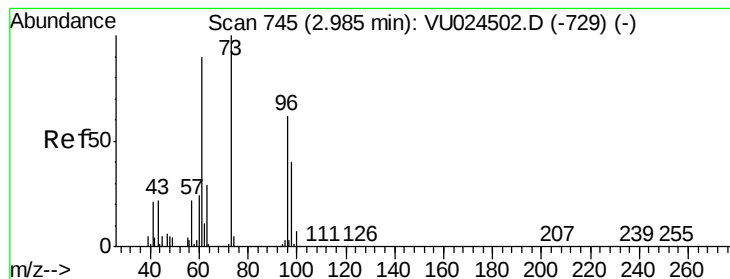


#20

Methylene Chloride
 Concen: 49.21 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.8	103.8	155.8
51	37.8	32.0	48.0
86	63.7	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.82 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

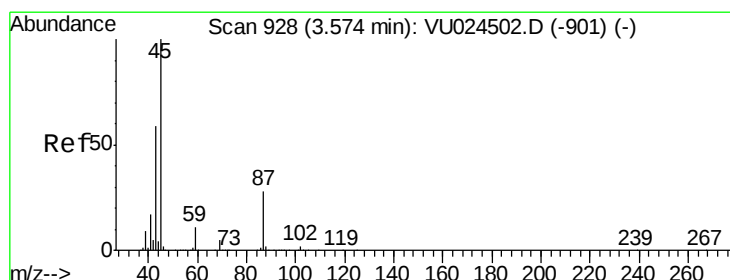
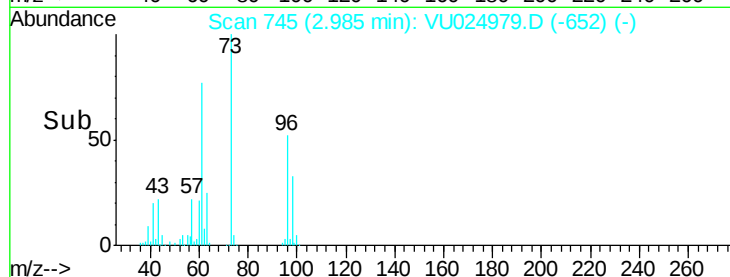
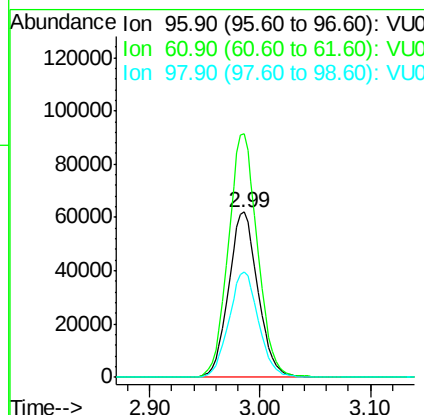
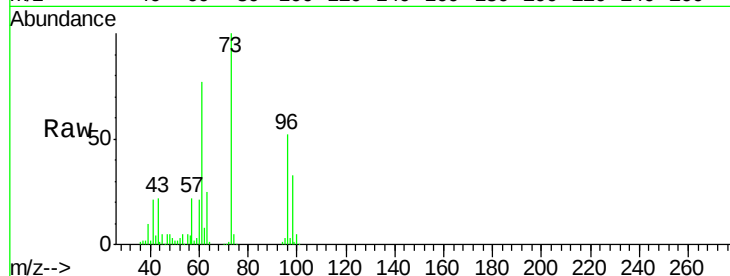
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	114421
Ion Ratio	Lower	Upper	
96	100		
61	147.4	119.4	179.0
98	63.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.46 ug/l

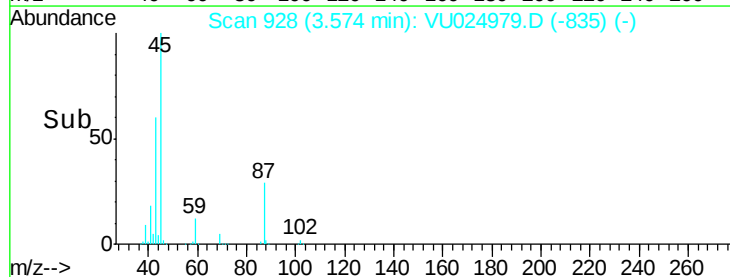
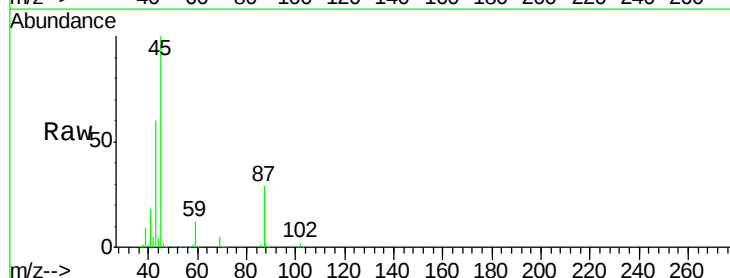
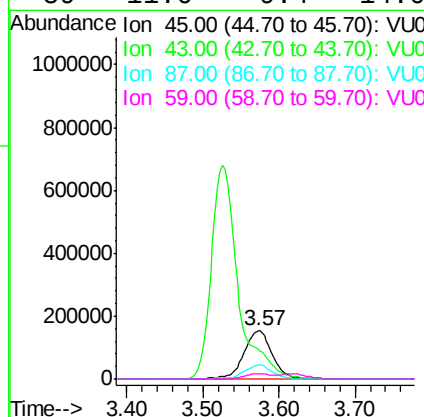
RT: 3.57 min Scan# 928

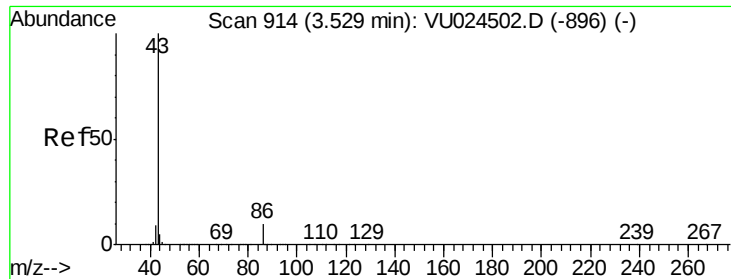
Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	45	Resp:	395021
Ion Ratio	Lower	Upper	
45	100		
43	59.0	45.8	68.6
87	28.7	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 241.87 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1663029

Ion Ratio Lower Upper

43 100

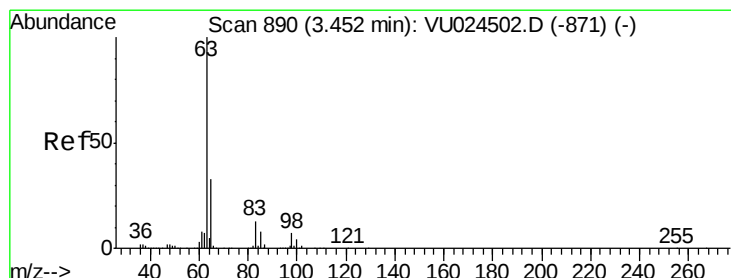
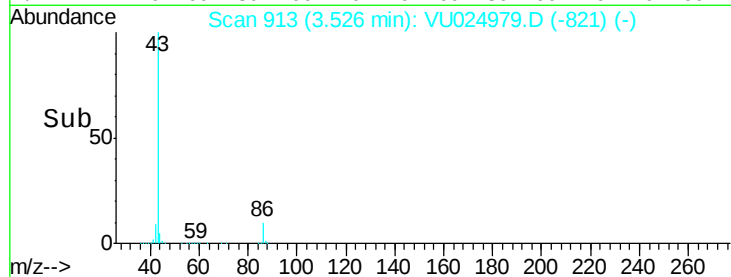
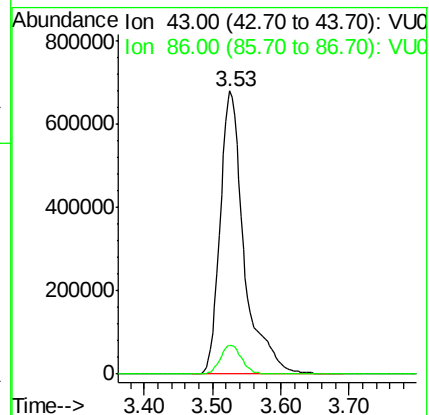
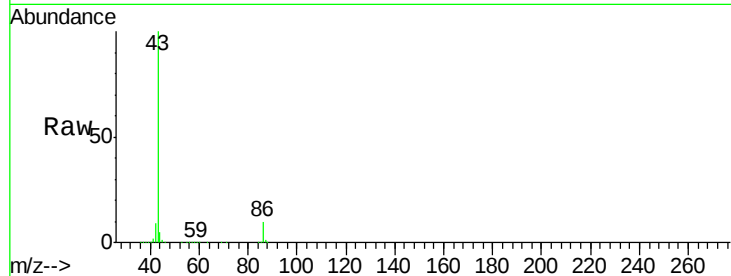
86 10.3 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 51.10 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

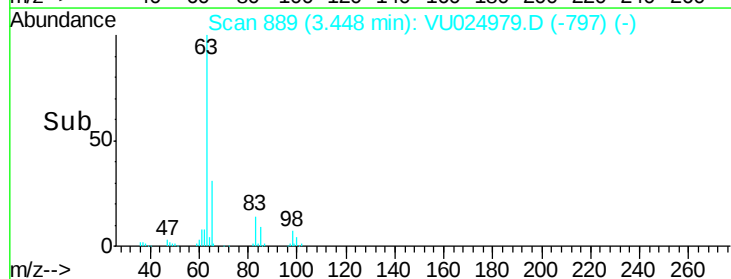
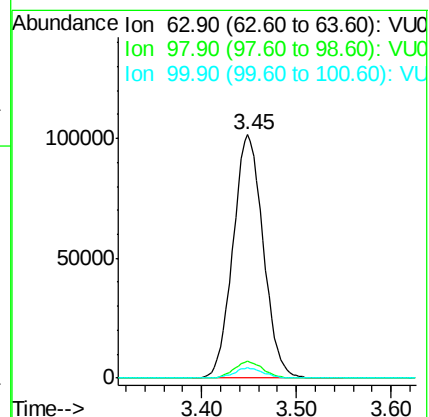
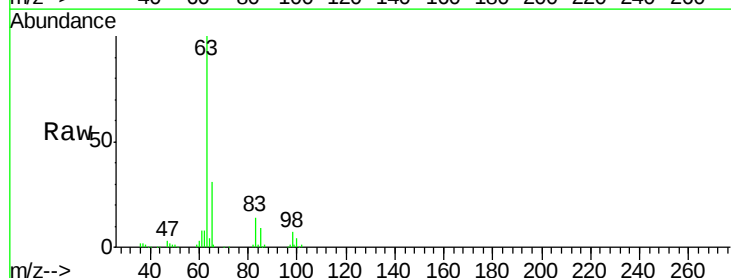
Tgt Ion: 63 Resp: 225649

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.2 1.8 5.5





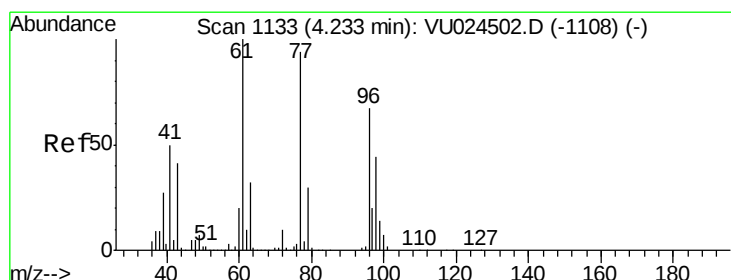
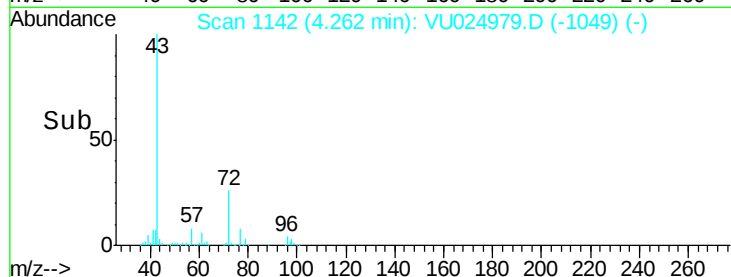
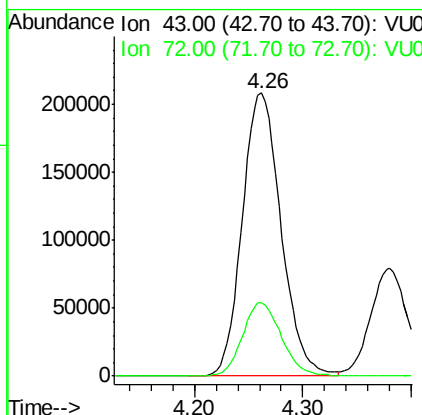
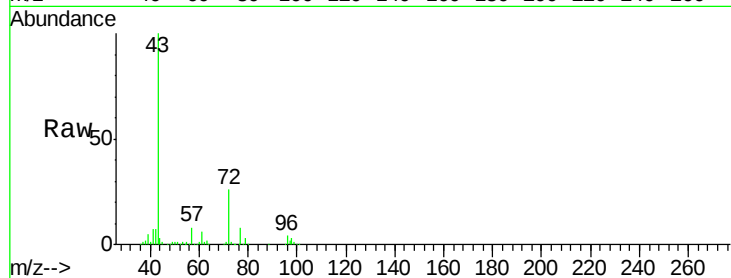
#25
2-Butanone
Concen: 240.26 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 518444
Ion Ratio Lower Upper
43 100
72 26.1 19.6 29.4

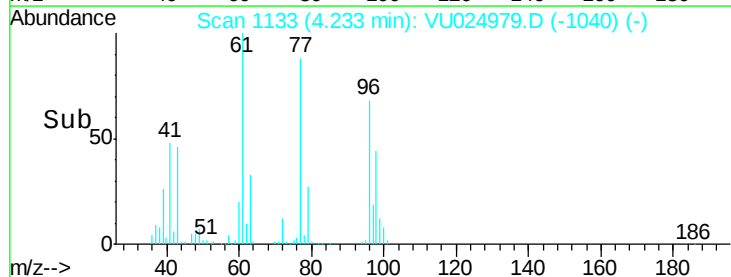
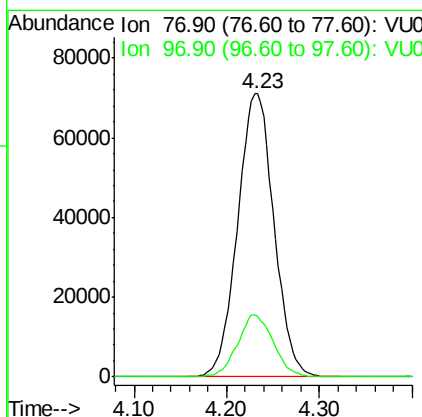
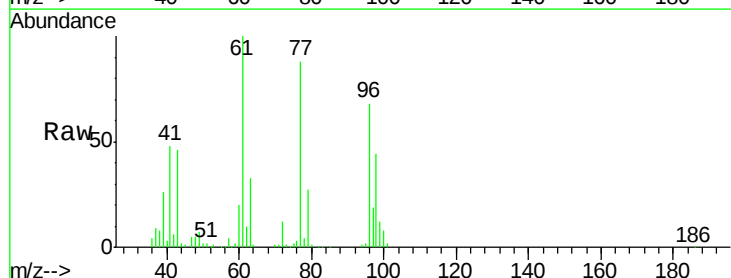
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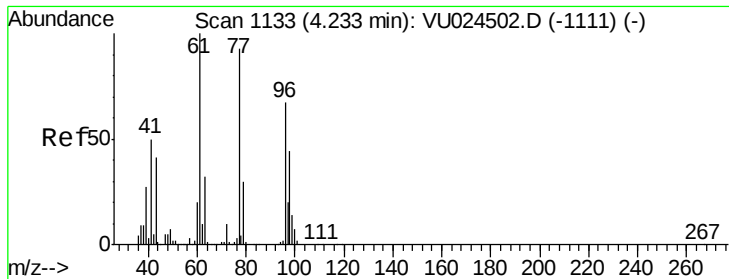
MMDadoda
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#26
2,2-Dichloropropane
Concen: 45.97 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion: 77 Resp: 192734
Ion Ratio Lower Upper
77 100
97 21.5 11.3 33.8





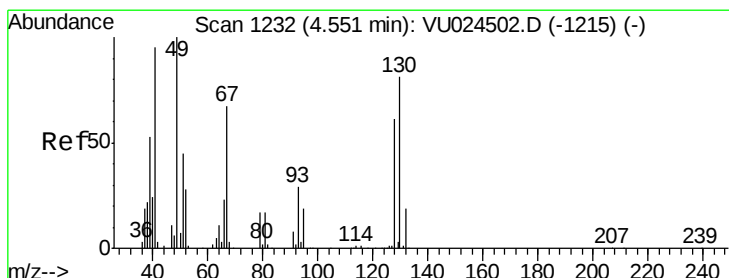
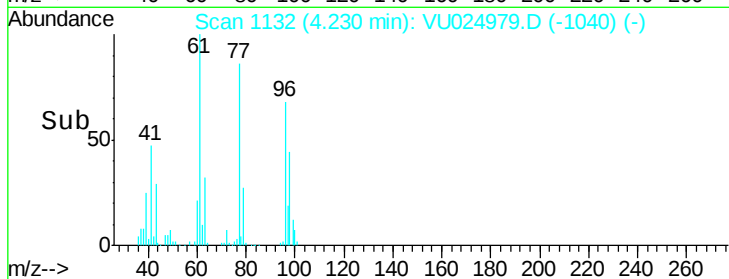
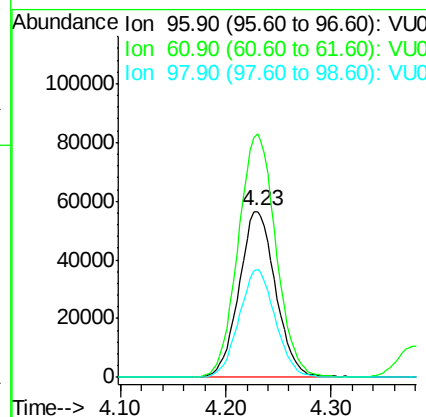
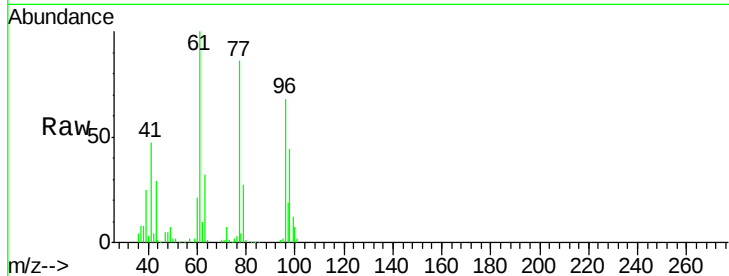
#27
 cis-1,2-Dichloroethene
 Concen: 51.59 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	306.6
98	64.3	0.0	128.8

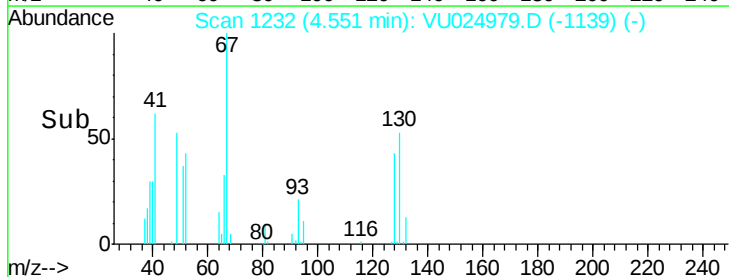
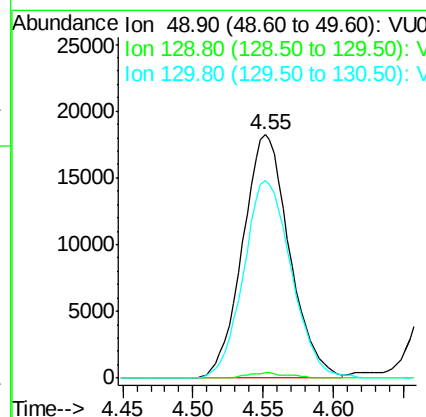
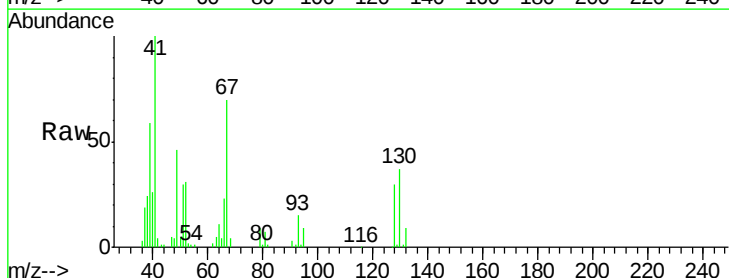
Manual Integrations
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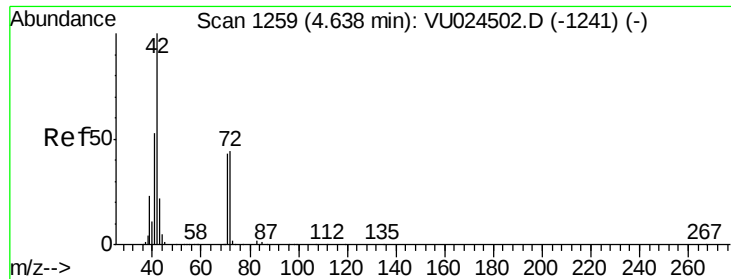
MMDadoda
 6/28/2018 4:37:04 PM



#28
 Bromochloromethane
 Concen: 21.74 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.8	57.8	86.6





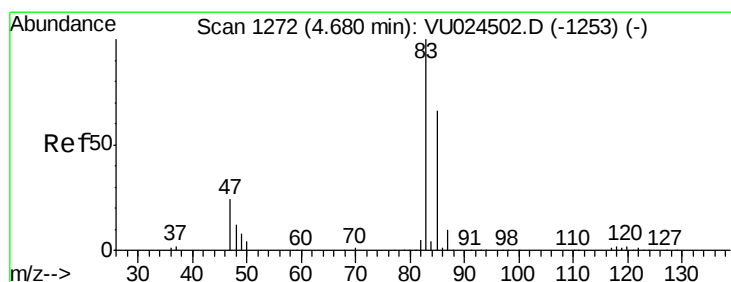
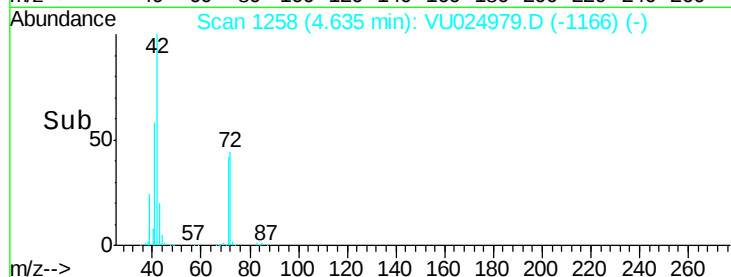
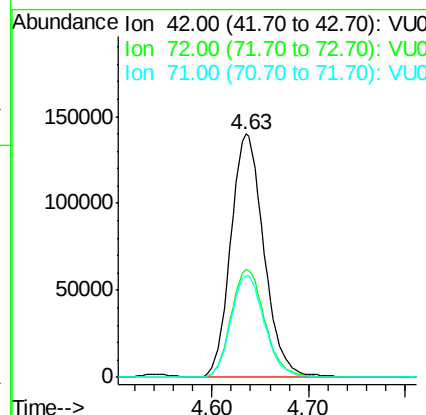
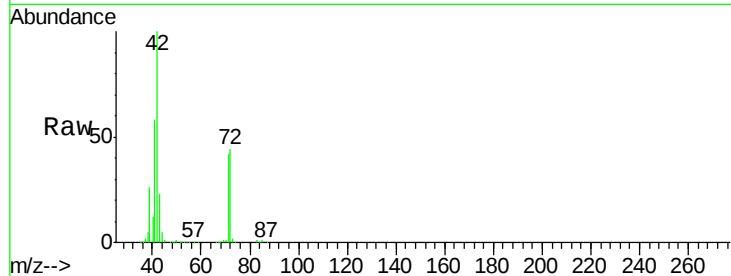
#29
Tetrahydrofuran
Concen: 247.15 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

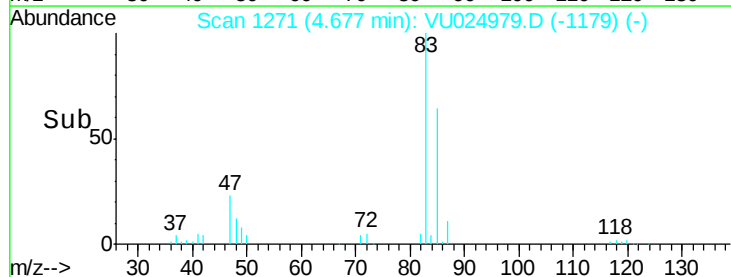
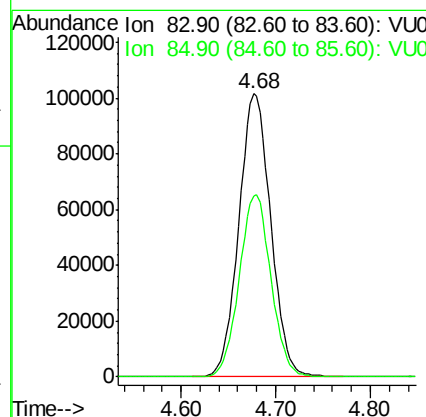
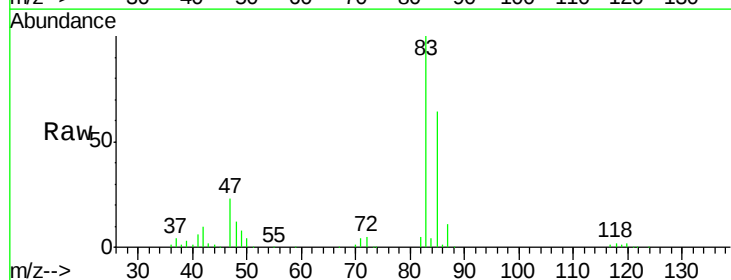
Manual Integrations
APPROVED

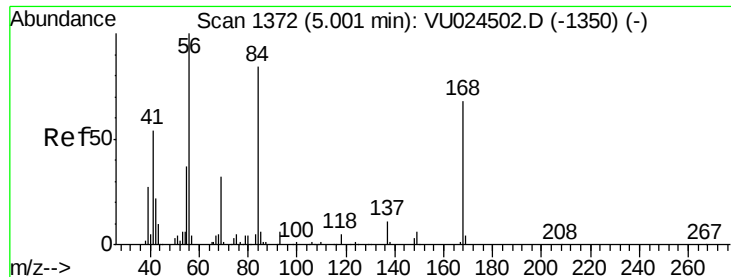
MMDadoda
6/28/2018 4:37:04 PM



#30
Chloroform
Concen: 53.28 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





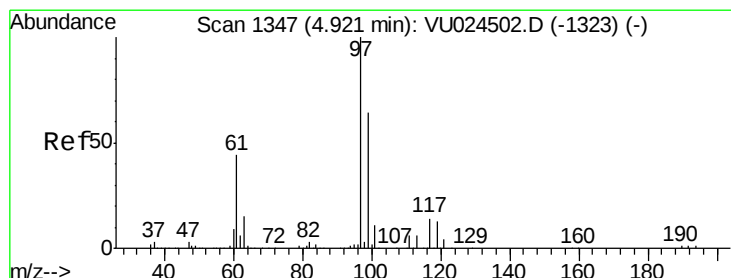
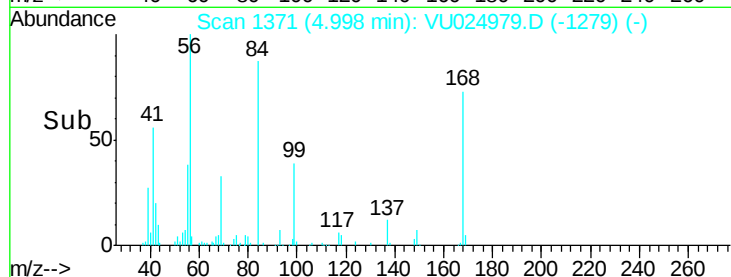
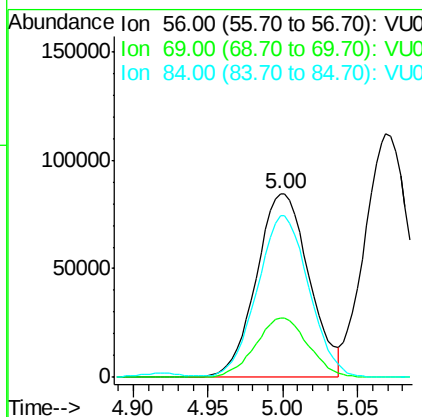
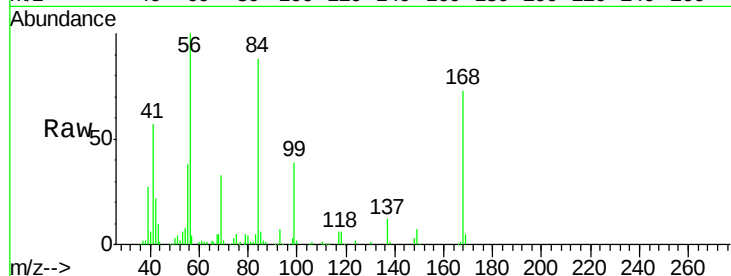
#31
Cyclohexane
Concen: 52.96 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.8	37.2
84	87.0	65.2	97.8

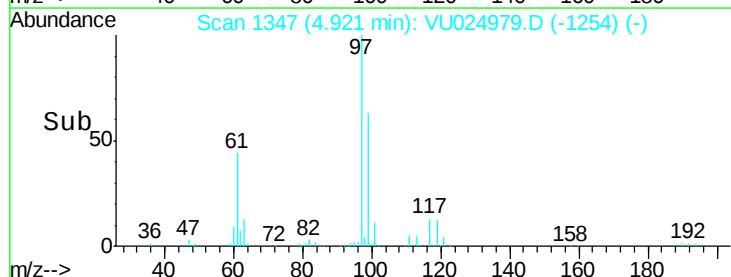
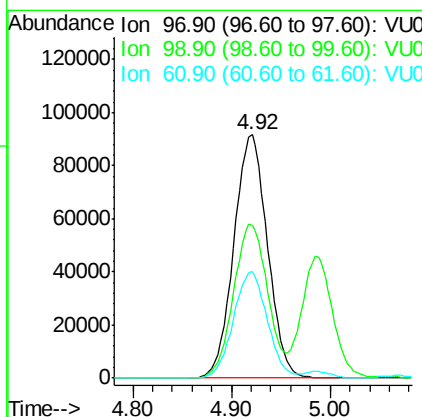
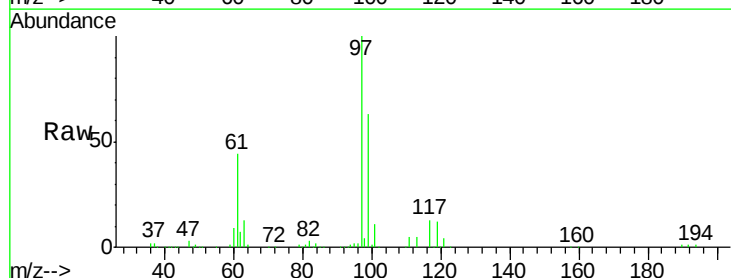
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 52.48 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	44.3	39.4	59.0





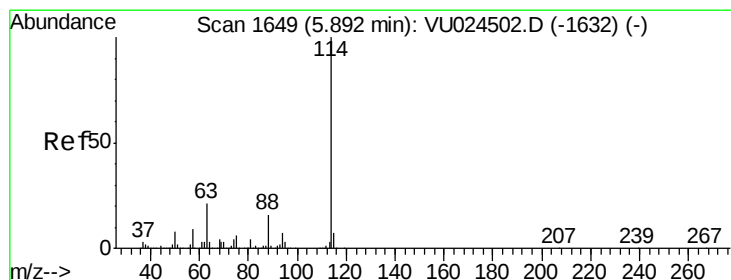
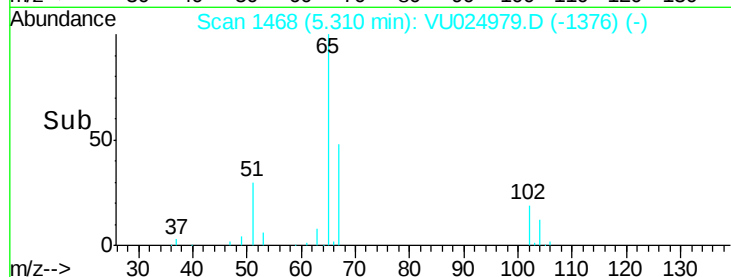
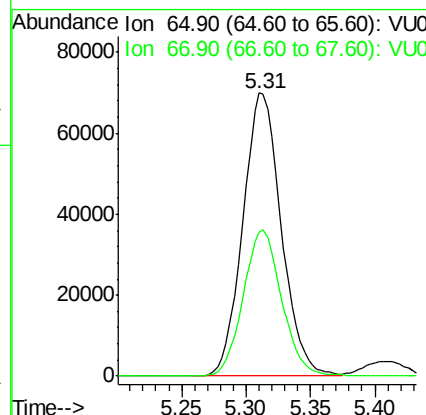
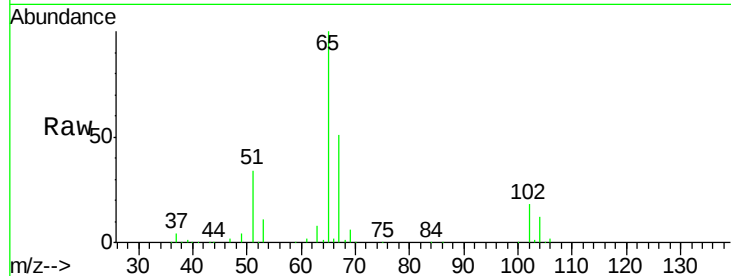
#33
 1,2-Dichloroethane-d4
 Concen: 48.59 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	107.0

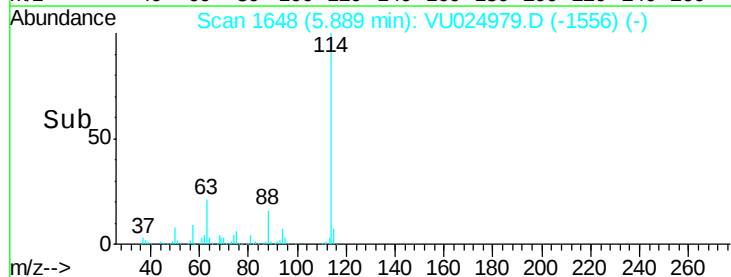
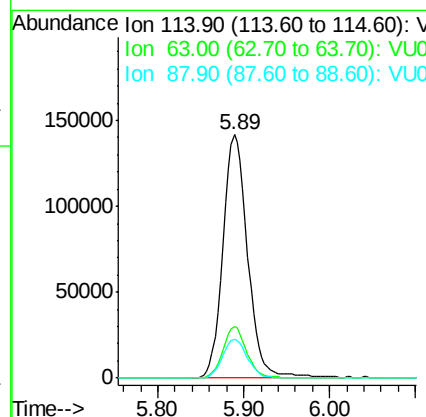
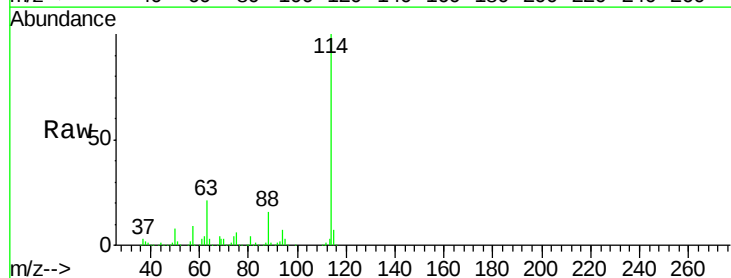
Manual Integrations
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 6/28/2018 4:37:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	45.4
88	15.8	0.0	31.0





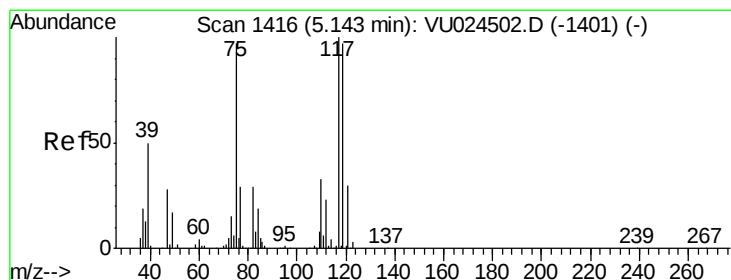
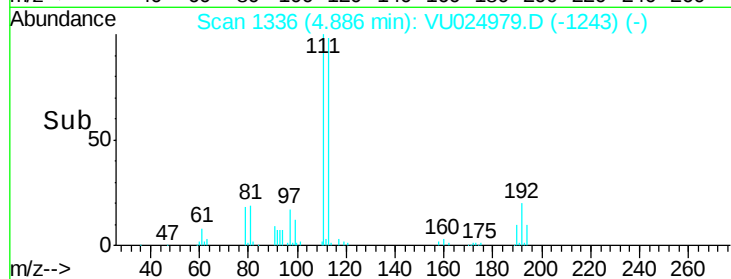
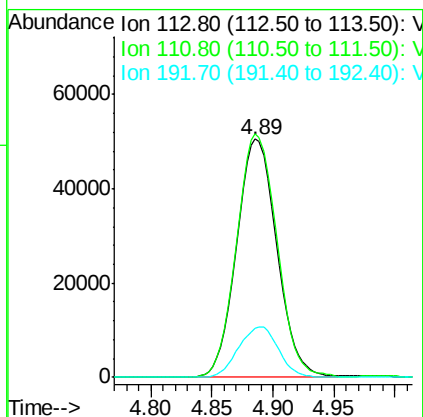
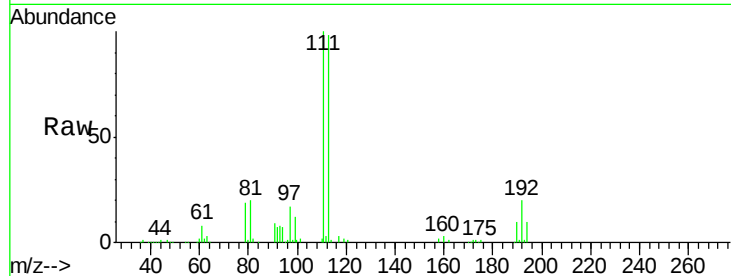
#35
 Dibromofluoromethane
 Concen: 48.92 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.0	16.2	24.4

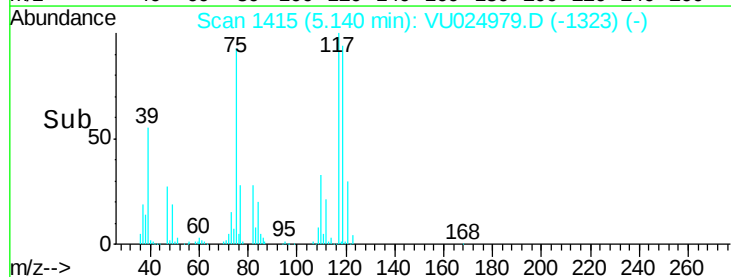
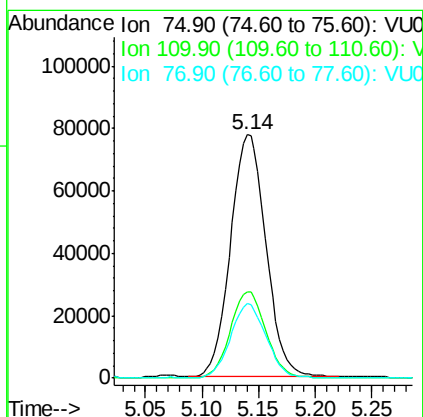
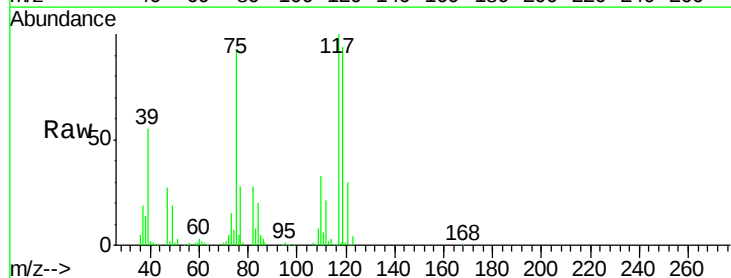
Manual Integrations
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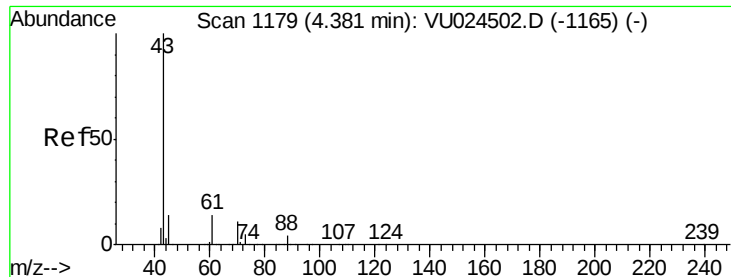
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#36
 1,1-Dichloropropene
 Concen: 50.61 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.0	50.9
77	30.4	24.2	36.4





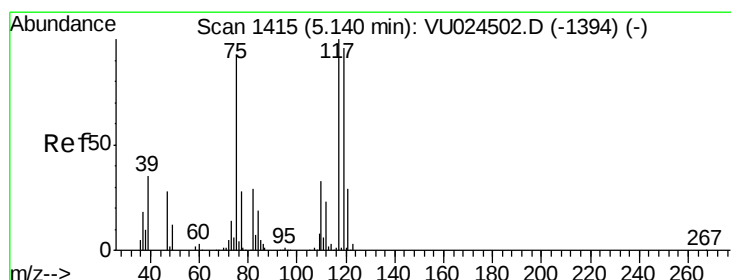
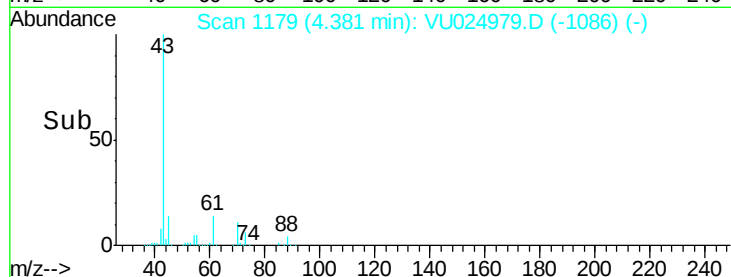
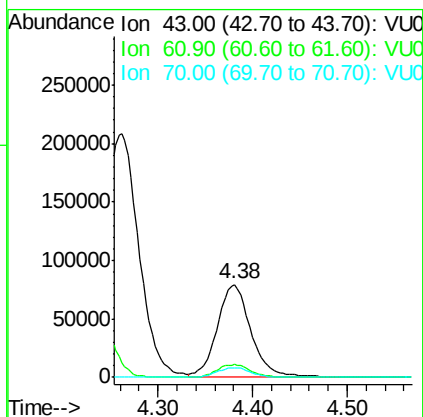
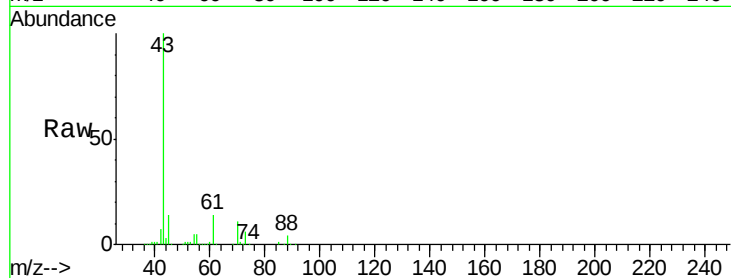
#37
Ethyl Acetate
Concen: 52.99 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.6	7.4	11.2

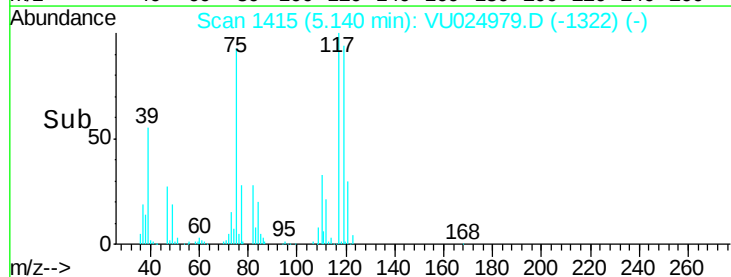
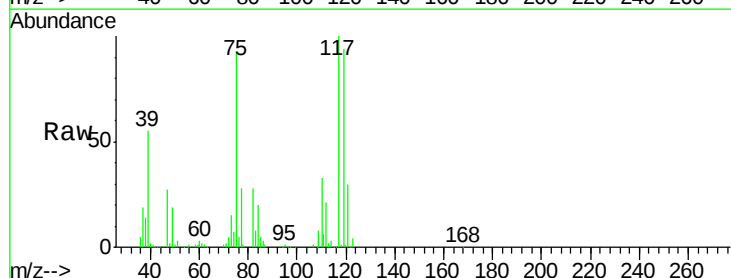
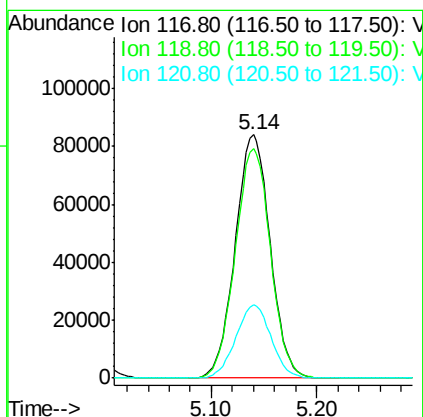
Manual Integrations
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6/28/2018 4:37:04 PM



#38
Carbon Tetrachloride
Concen: 52.53 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.1	114.1
121	30.1	23.7	35.5





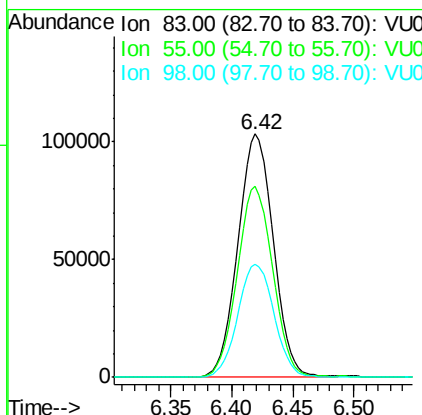
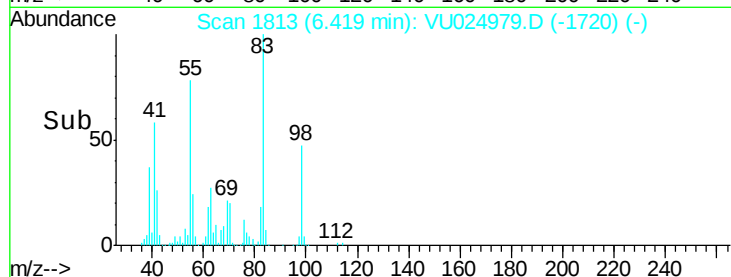
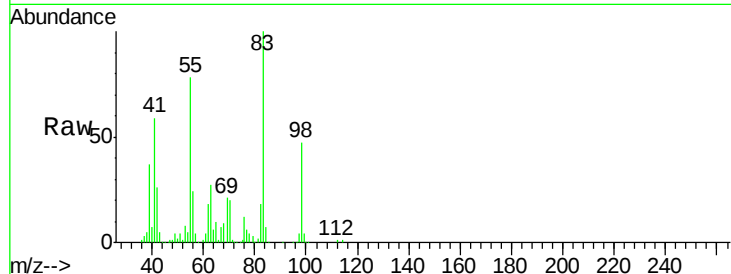
#39
Methvlcvclohexane
Concen: 49.86 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	65.8	98.6
98	46.6	36.7	55.1

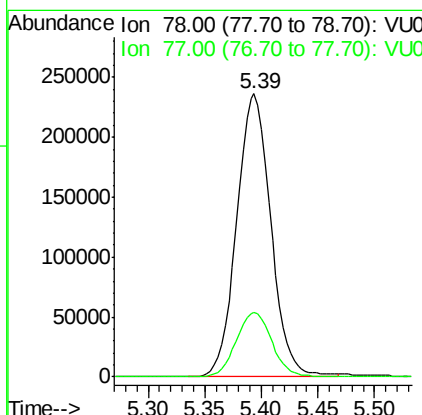
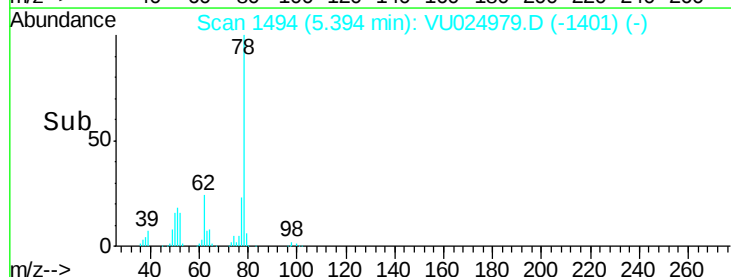
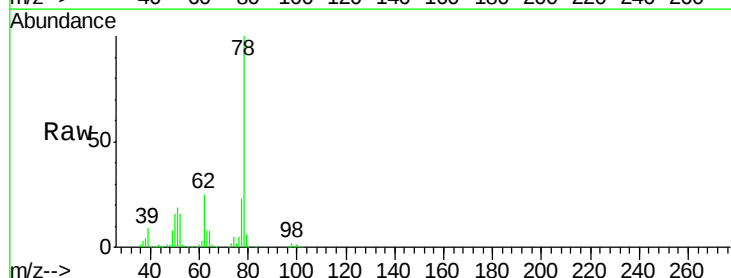
Manual Integrations
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6/28/2018 4:37:04 PM



#40
Benzene
Concen: 52.28 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





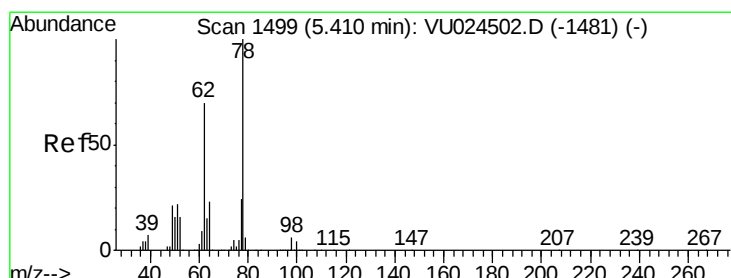
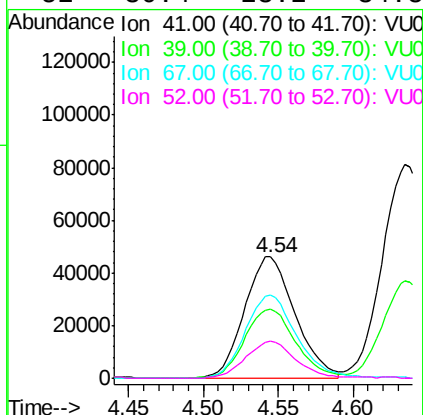
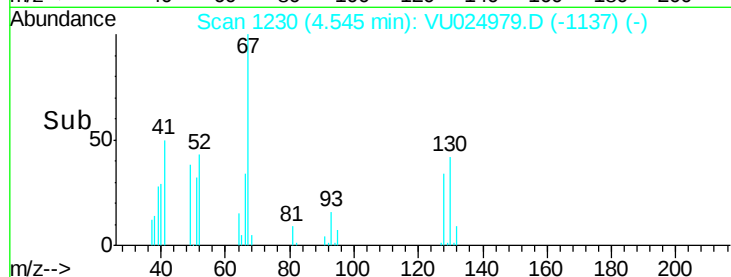
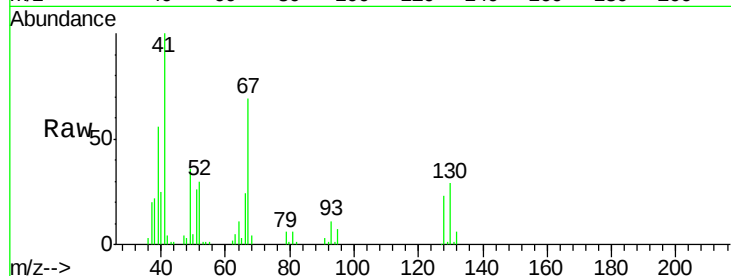
#41
Methacrylonitrile
Concen: 54.88 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	43.8	65.6	
67	70.1	56.3	84.5	
52	30.4	23.2	34.8	

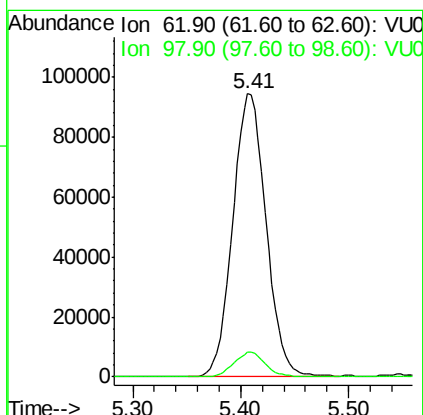
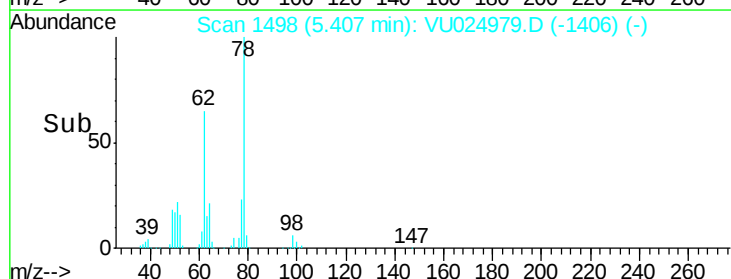
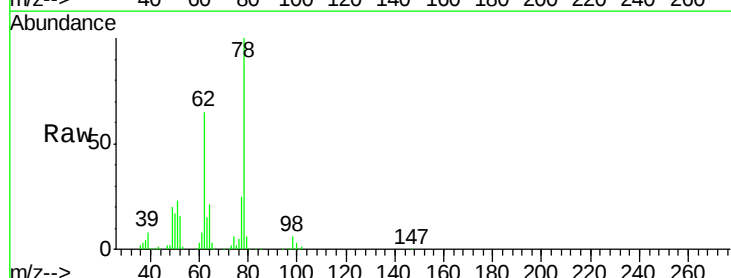
Manual Integrations
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6/28/2018 4:37:04 PM



#42
1,2-Dichloroethane
Concen: 56.15 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 49.08 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

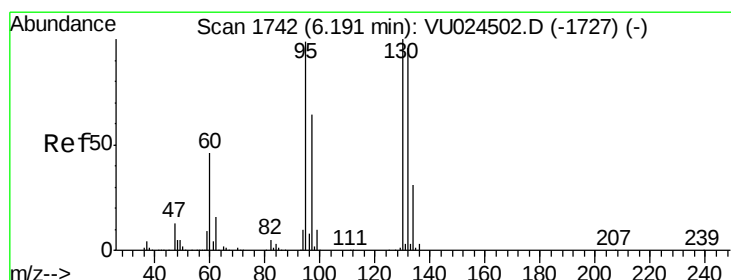
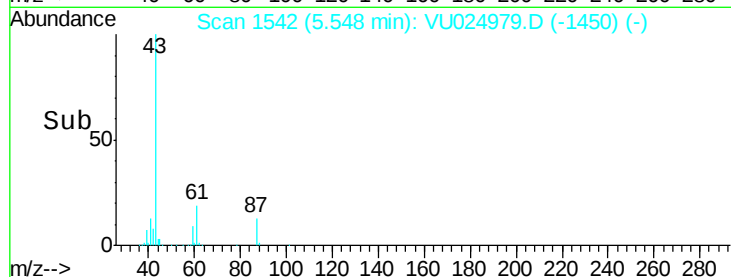
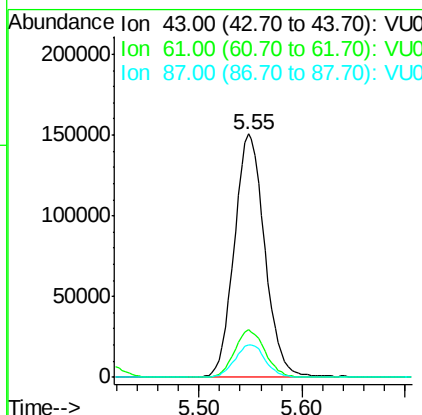
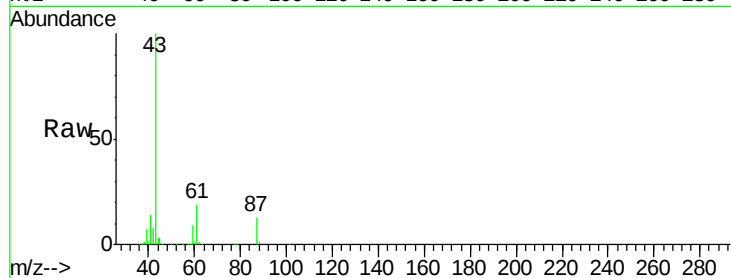
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	309163
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 51.37 ug/l

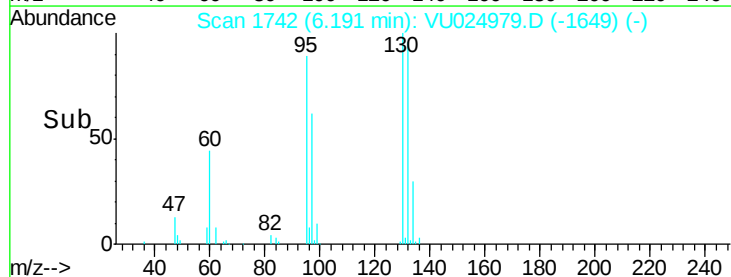
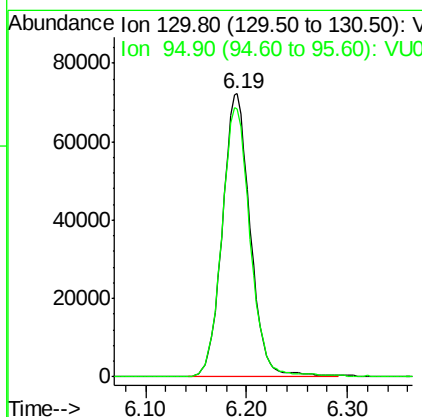
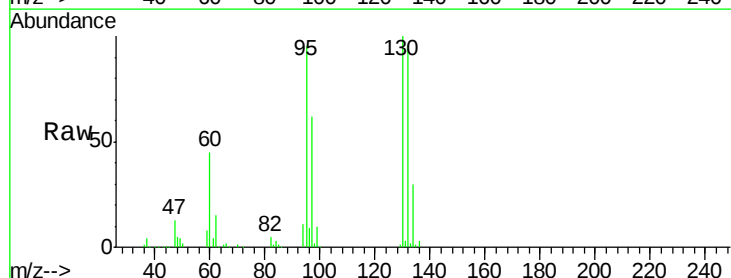
RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	130	Resp:	139292
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	202.4





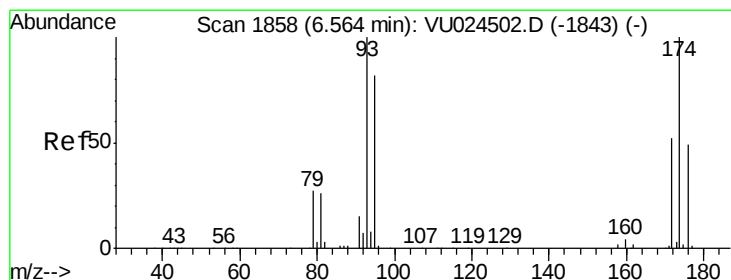
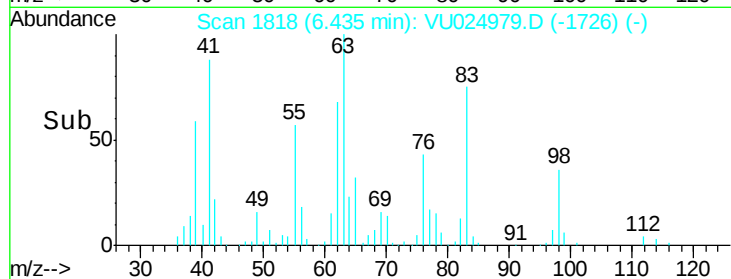
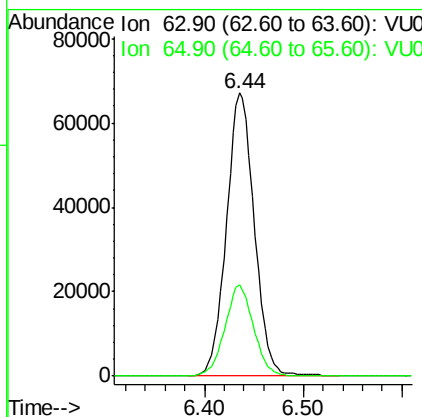
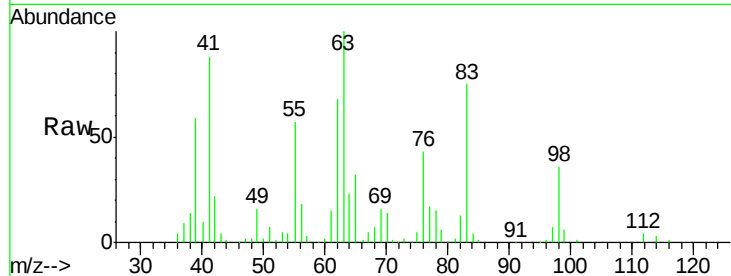
#45
 1,2-Dichloropropane
 Concen: 52.14 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 132552
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2

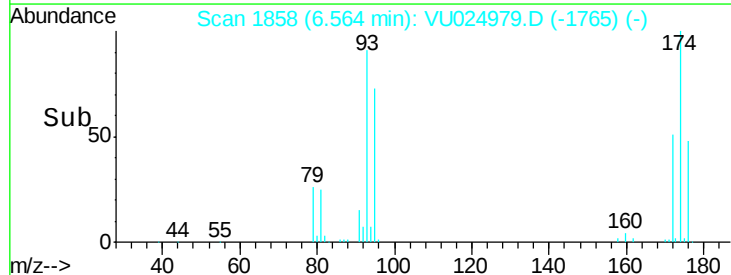
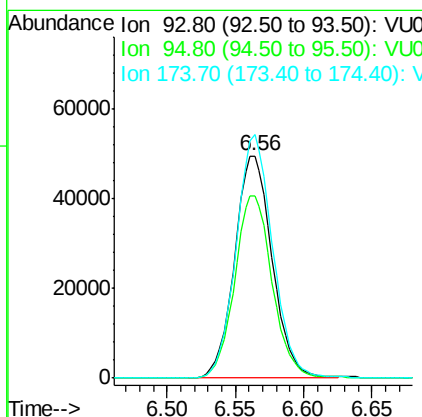
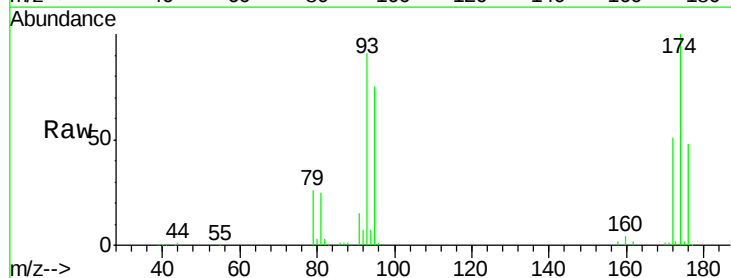
Manual Integrations
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#46
 Dibromomethane
 Concen: 53.05 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion: 93 Resp: 94719
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.5 98.3
 174 107.0 78.7 118.1





#47

Bromodichloromethane

Concen: 51.24 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

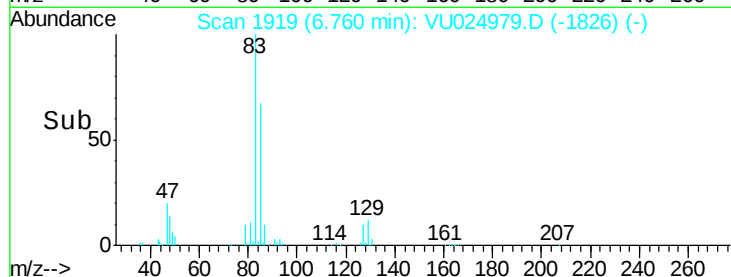
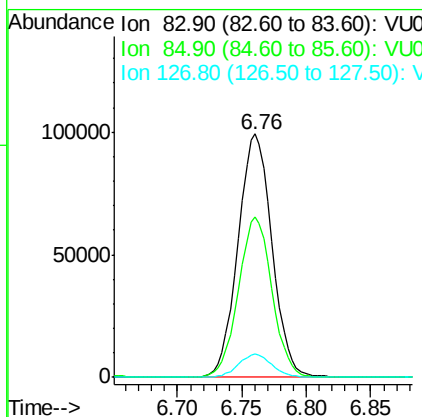
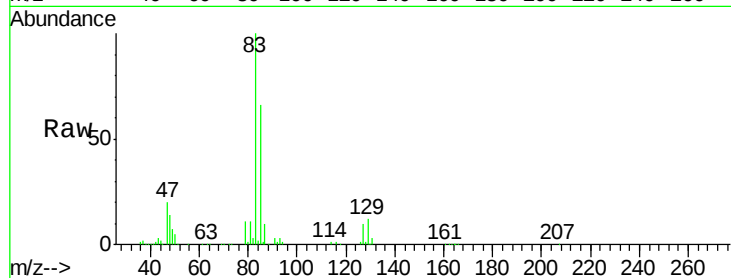
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182175
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.9	77.9
127	9.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 52.10 ug/l

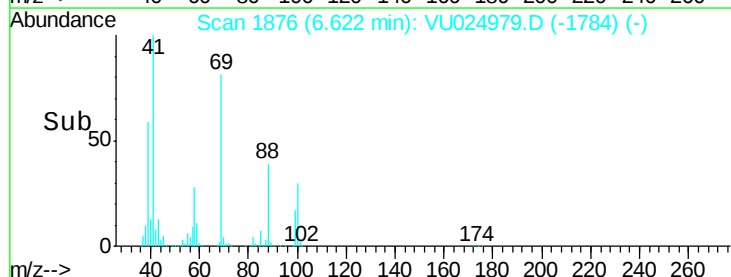
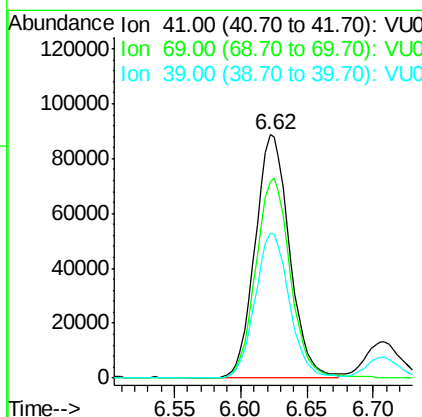
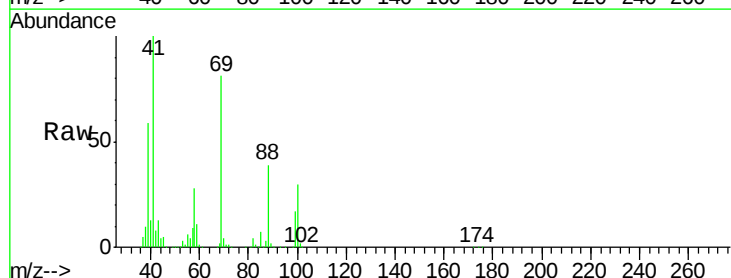
RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	41	Resp:	159816
Ion Ratio	Lower	Upper	
41	100		
69	83.1	67.3	100.9
39	58.9	46.5	69.7





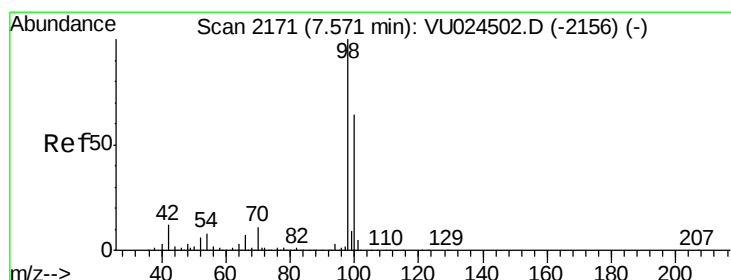
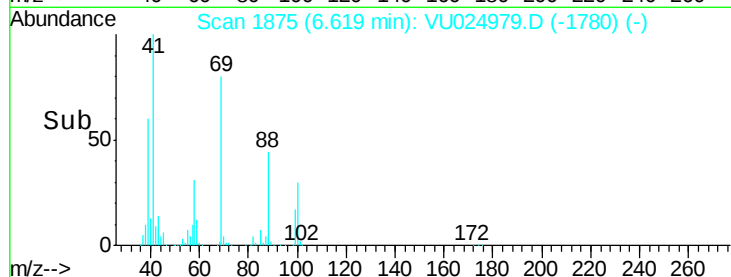
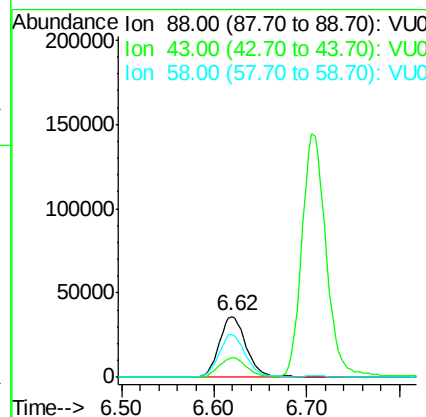
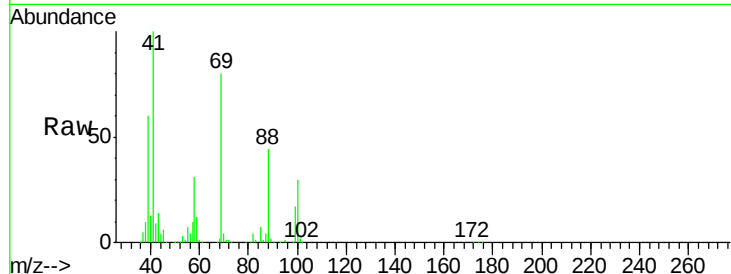
#49
1,4-Dioxane
Concen: 1203.47 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	28.6	42.8
58	70.3	58.2	87.4

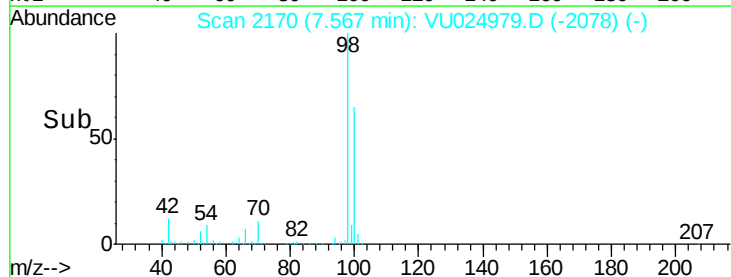
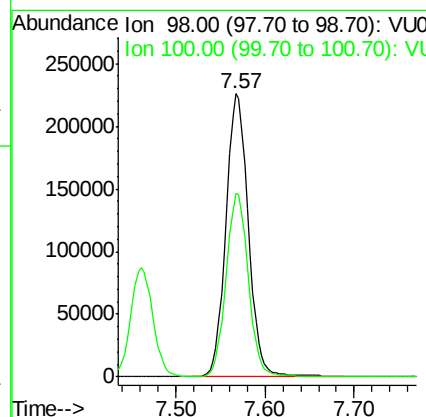
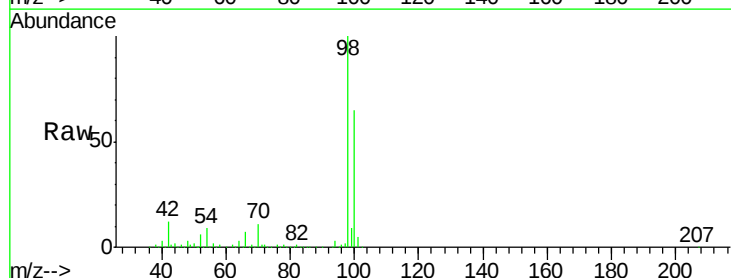
Manual Integrations
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#50
Toluene-d8
Concen: 45.78 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





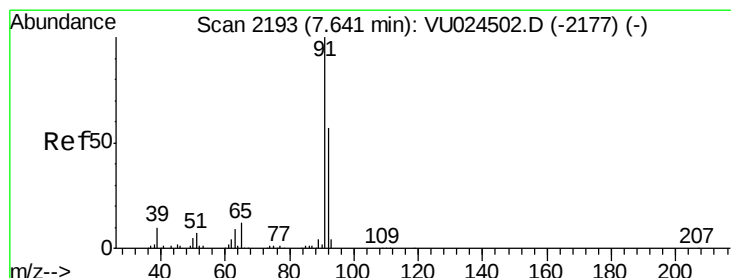
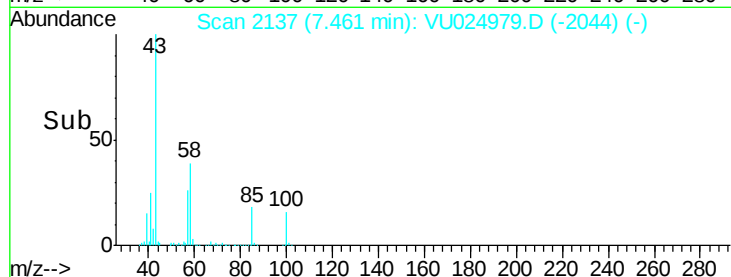
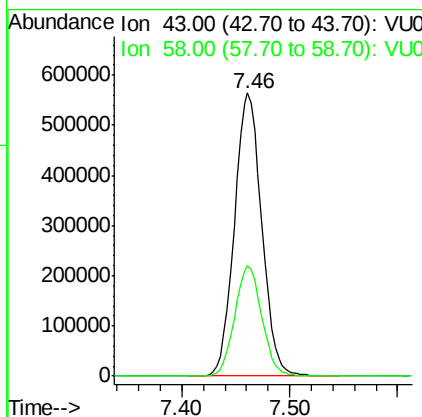
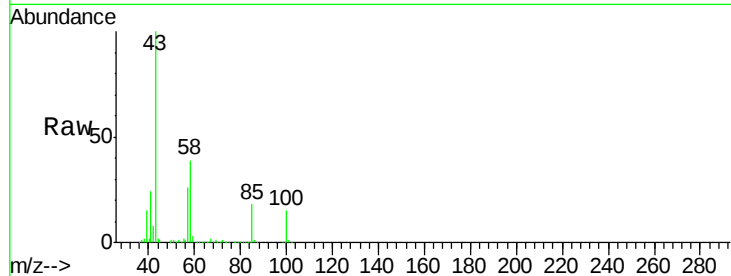
#51
 4-Methyl-2-Pentanone
 Concen: 251.25 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.0	45.0

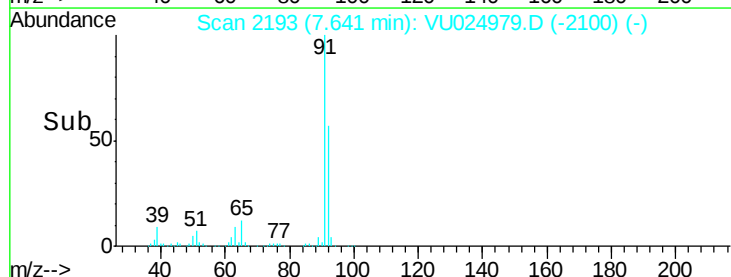
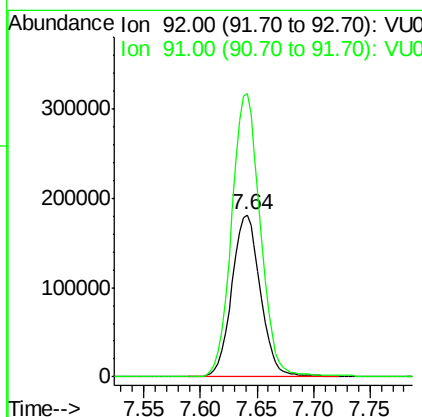
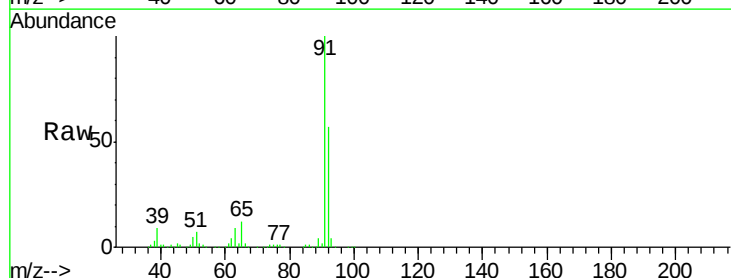
Manual Integrations
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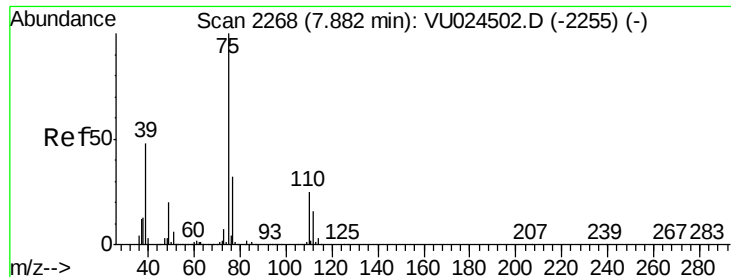
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#52
 Toluene
 Concen: 52.15 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 49.84 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 199023

Ion Ratio Lower Upper

75 100

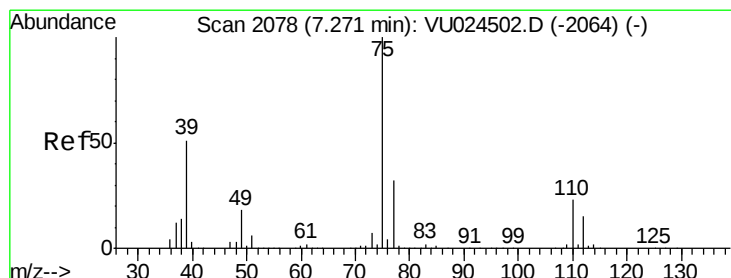
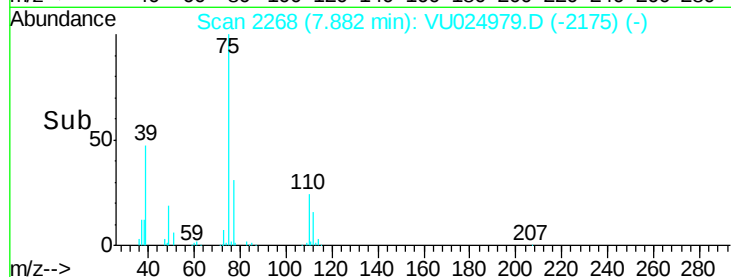
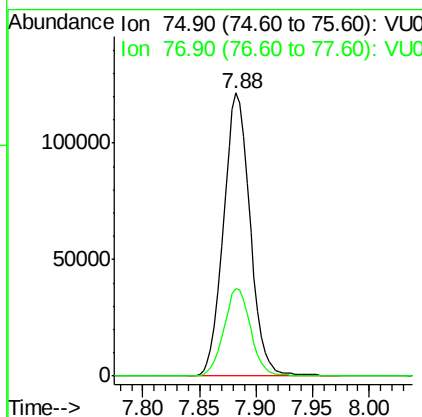
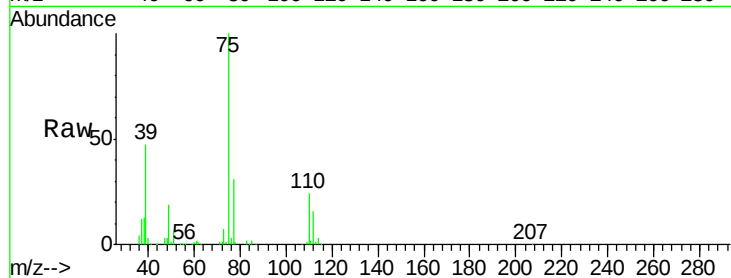
77 31.1 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.13 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

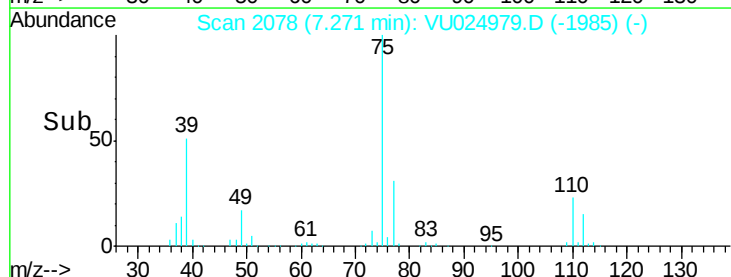
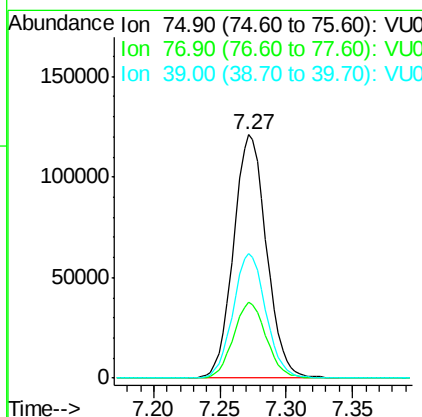
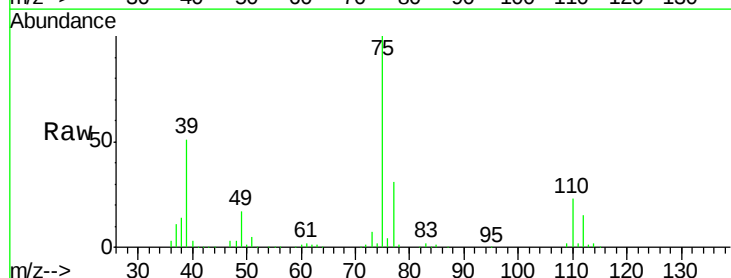
Tgt Ion: 75 Resp: 209018

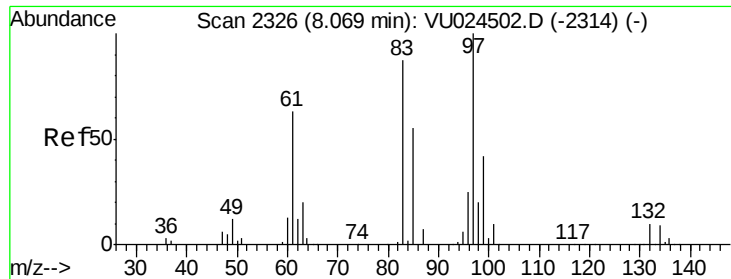
Ion Ratio Lower Upper

75 100

77 30.9 24.6 36.8

39 51.1 39.8 59.6





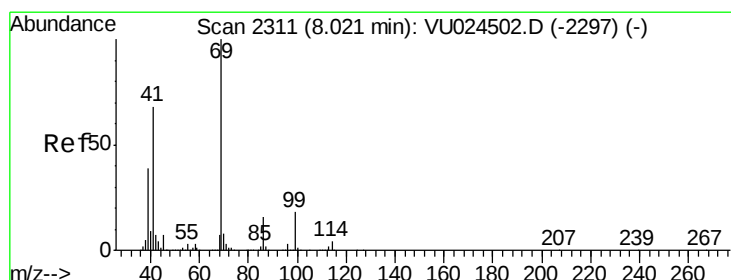
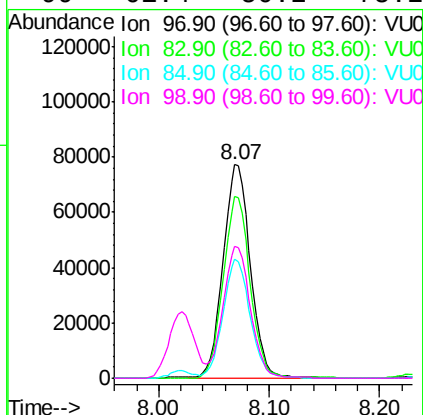
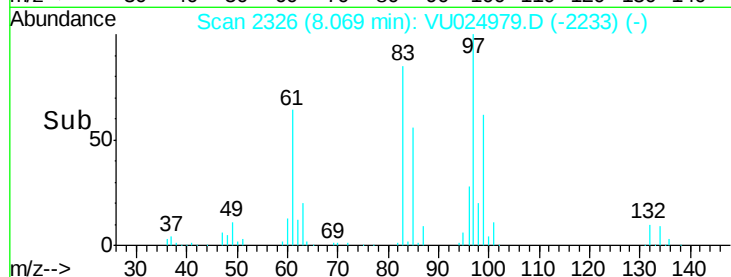
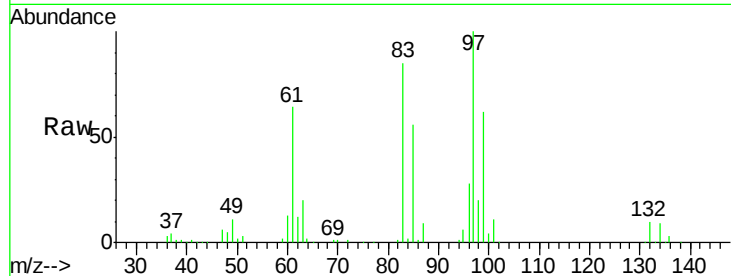
#55
 1,1,2-Trichloroethane
 Concen: 52.95 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	131922
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.5	105.7
85	55.9	46.4	69.6
99	61.4	50.2	75.2

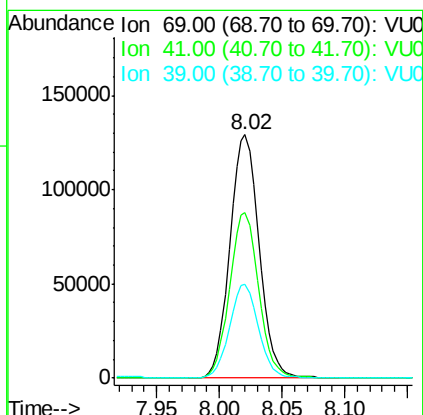
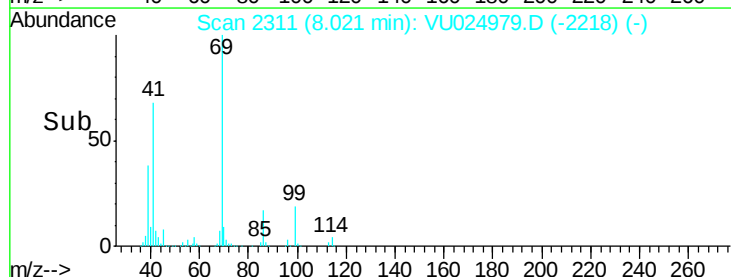
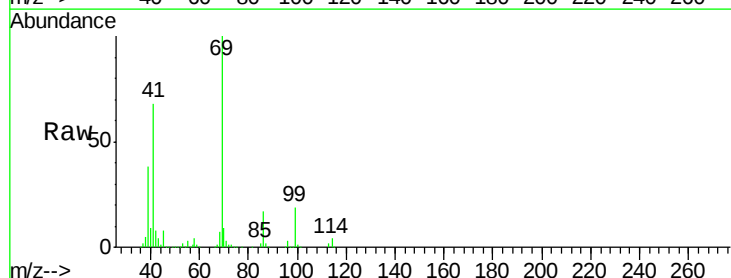
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.18 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion:	69	Resp:	209244
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.1	81.1
39	37.7	30.3	45.5





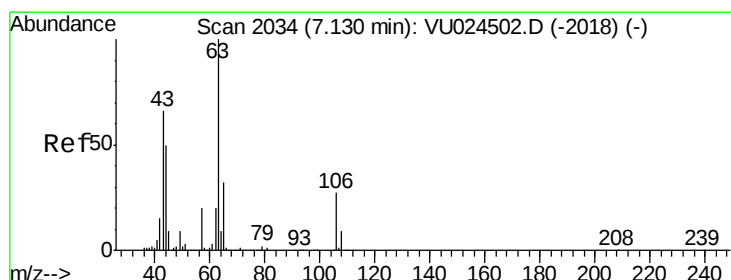
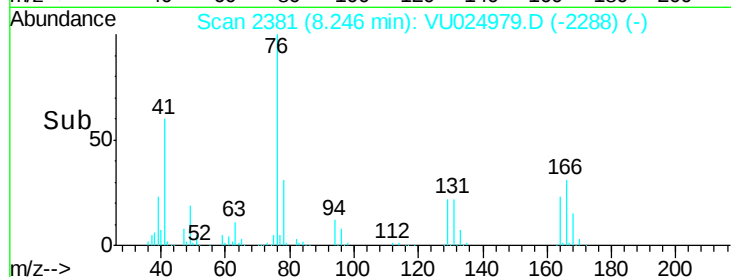
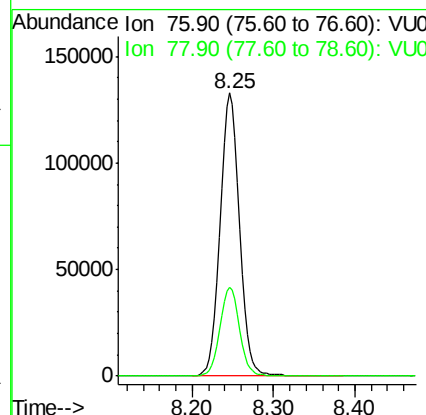
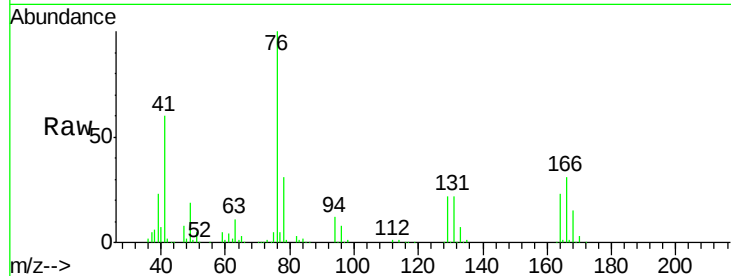
#57
 1,3-Dichloropropane
 Concen: 53.42 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 224547
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

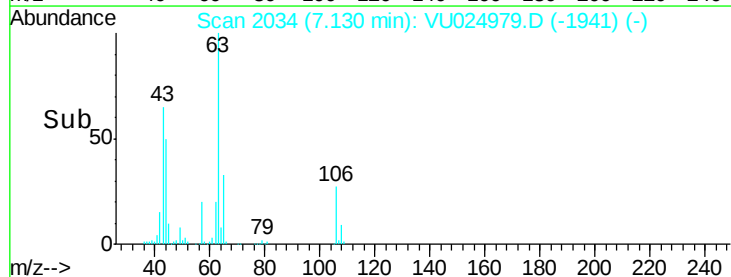
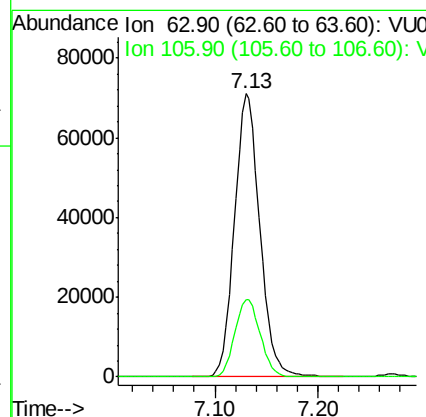
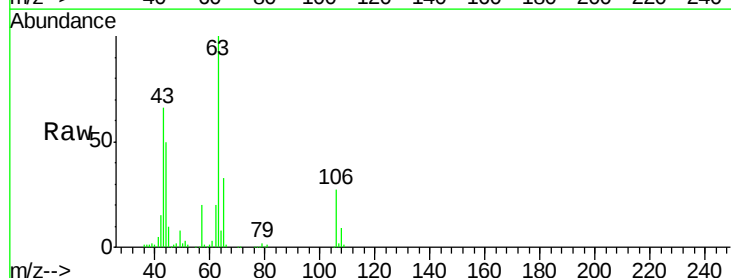
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 76.48 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion: 63 Resp: 122184
 Ion Ratio Lower Upper
 63 100
 106 27.3 20.2 30.2





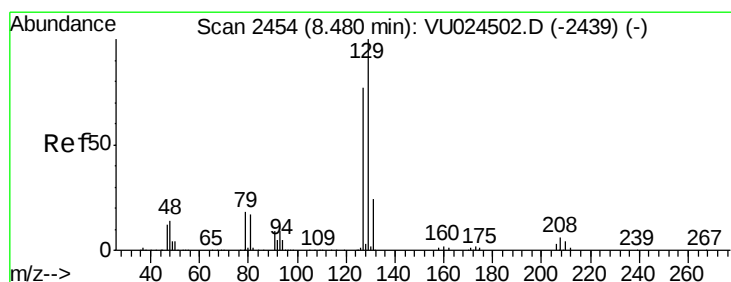
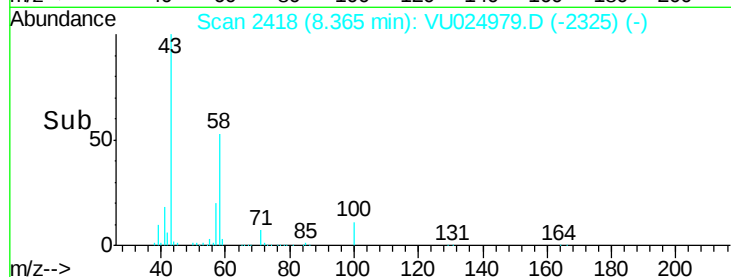
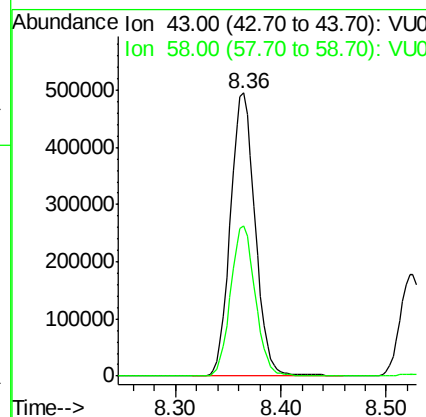
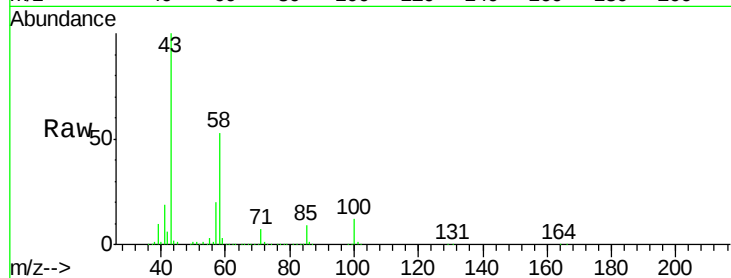
#59
2-Hexanone
Concen: 248.92 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 804236
Ion Ratio Lower Upper
43 100
58 53.0 26.4 79.0

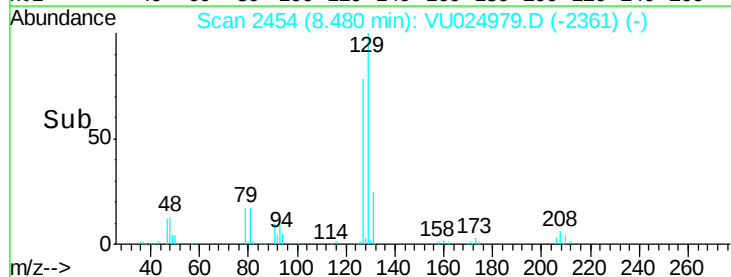
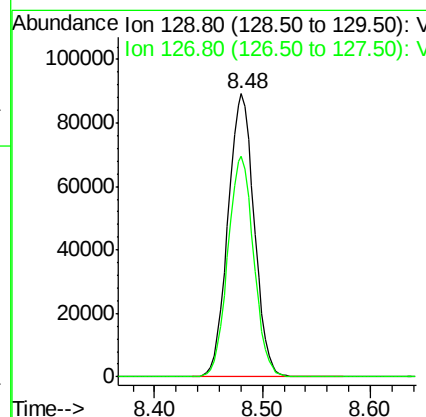
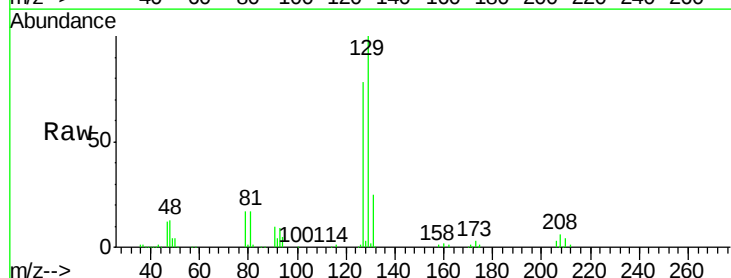
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.76 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion: 129 Resp: 151482
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 52.02 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 144253

Ion Ratio Lower Upper

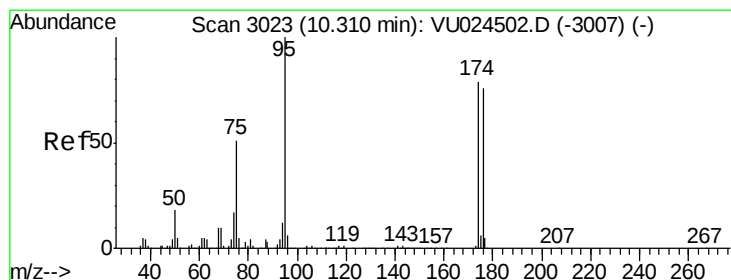
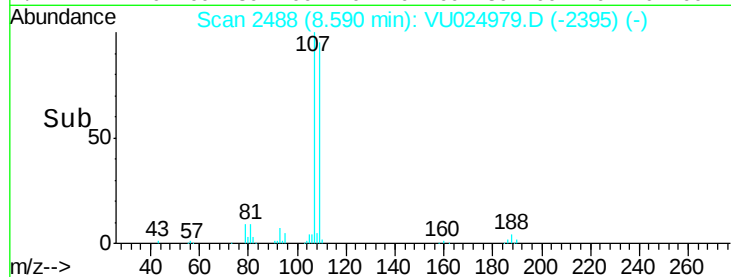
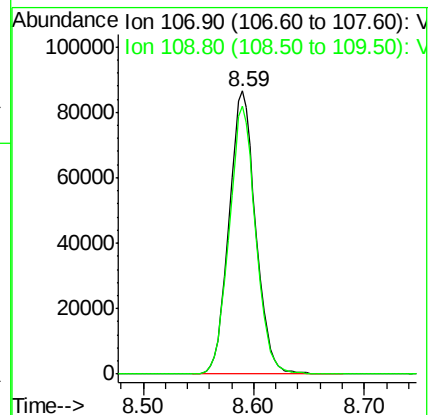
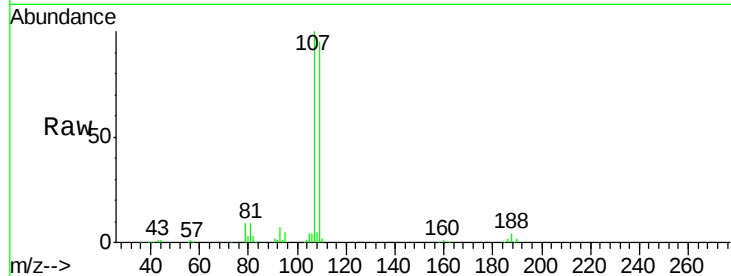
107 100

109 94.3 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 47.98 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

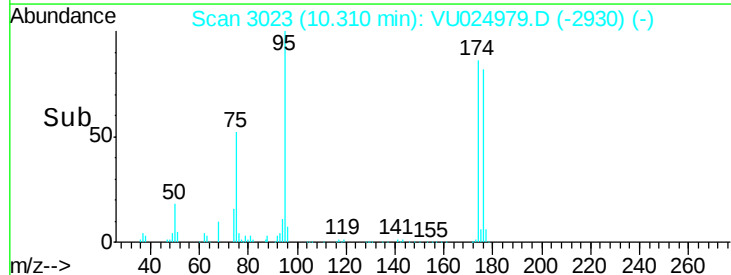
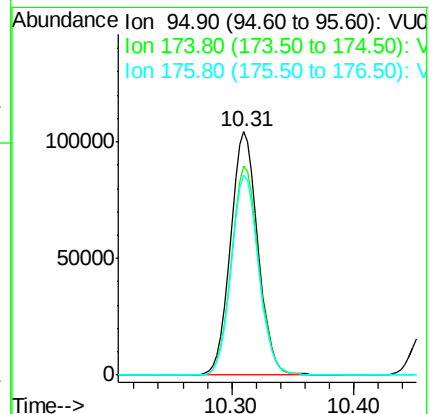
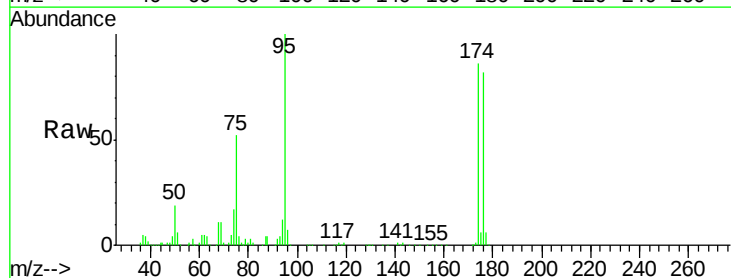
Tgt Ion: 95 Resp: 164075

Ion Ratio Lower Upper

95 100

174 85.8 0.0 165.8

176 81.8 0.0 159.4





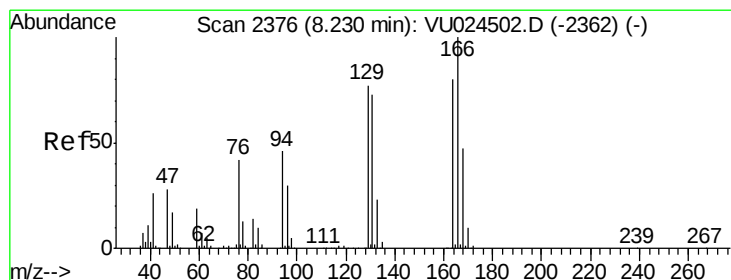
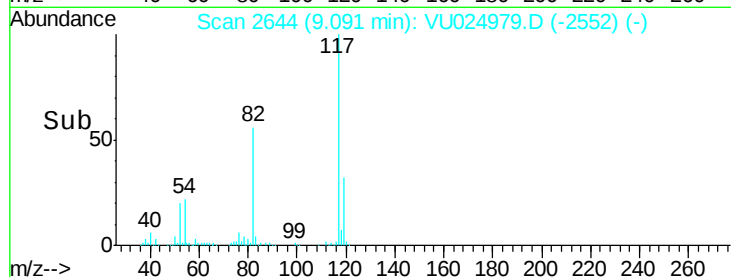
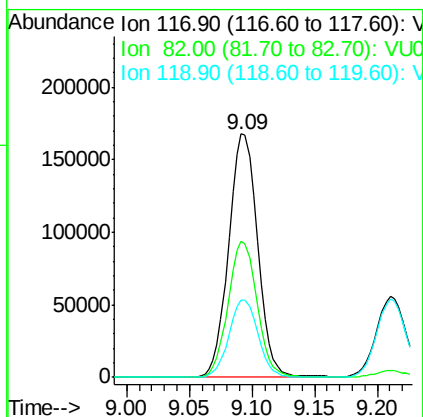
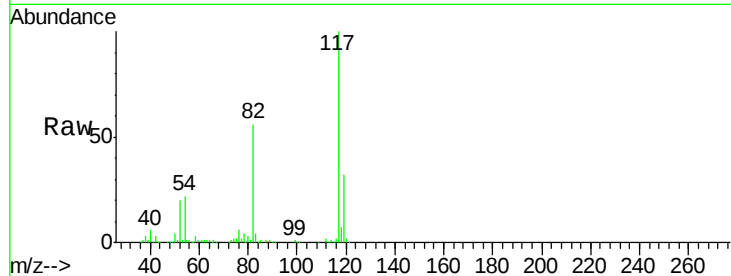
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	269794		
82	56.1	44.3	66.5	
119	31.6	25.4	38.2	

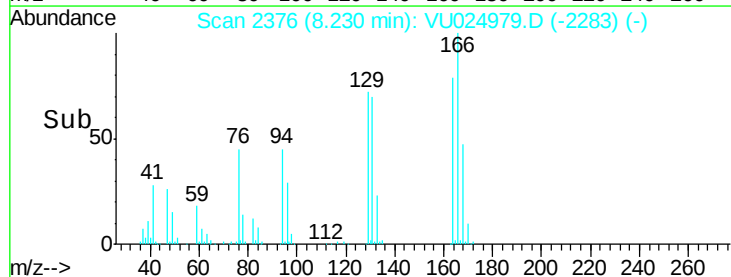
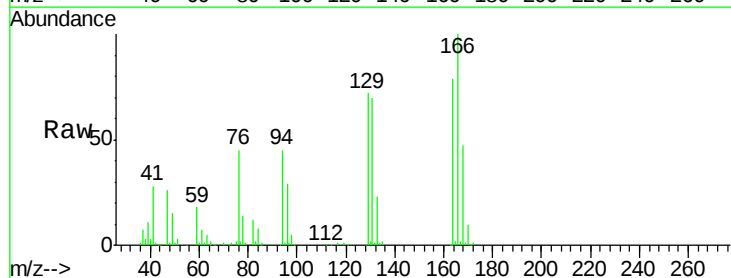
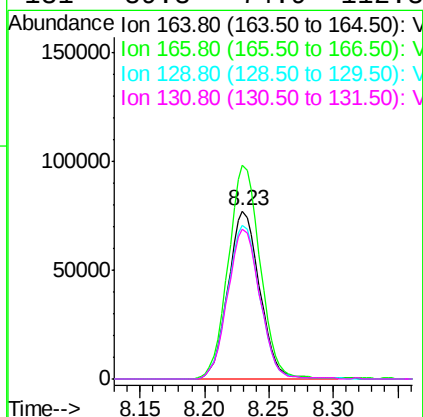
Manual Integrations
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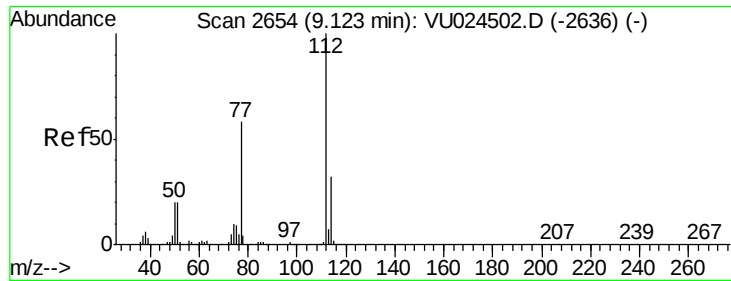
MMDadoda
6/28/2018 4:37:04 PM



#64
Tetrachloroethene
Concen: 51.37 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131738		
166	127.4	101.7	152.5	
129	91.9	76.9	115.3	
131	89.3	74.9	112.3	





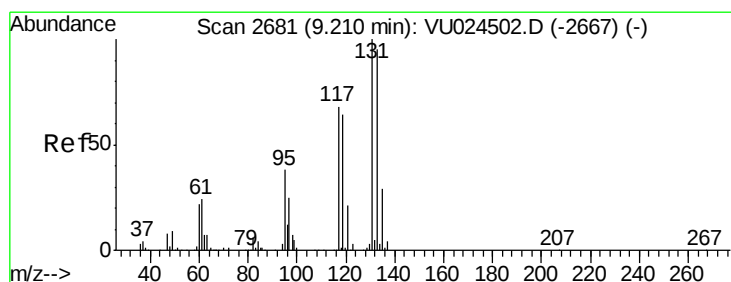
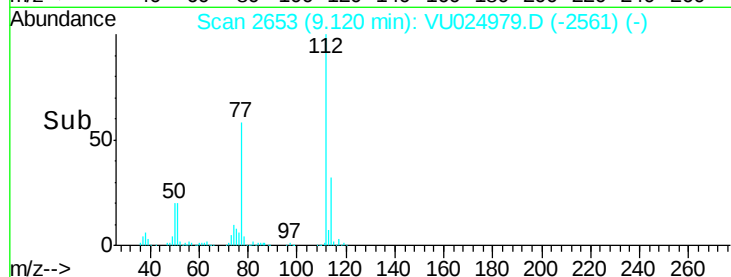
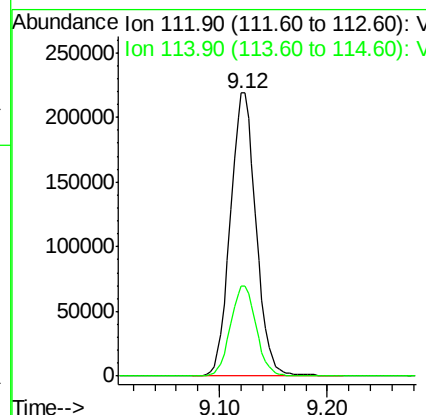
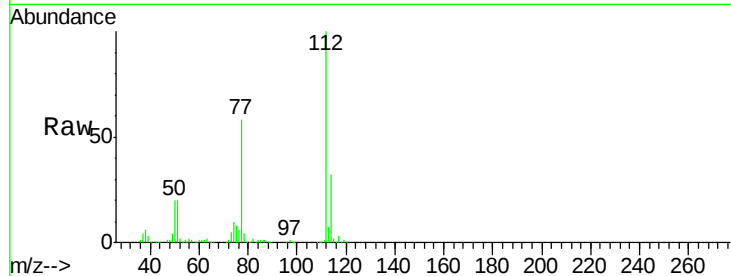
#65
Chlorobenzene
Concen: 52.86 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4

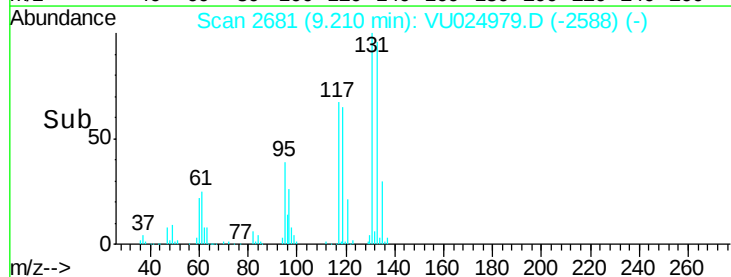
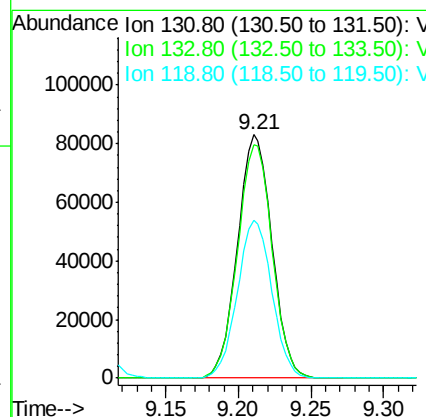
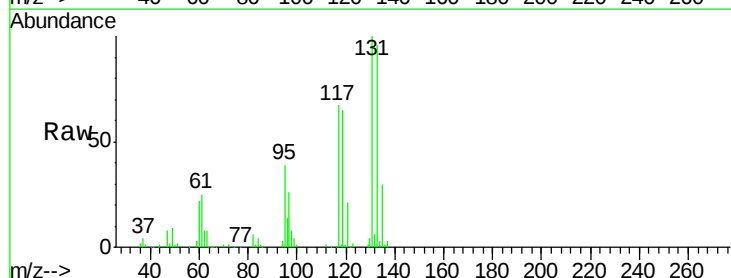
Manual Integrations
APPROVED

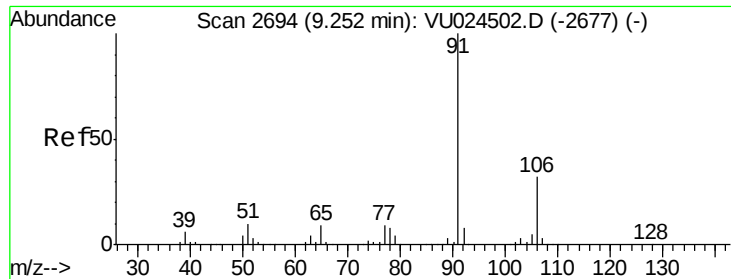
MMDadoda
6/28/2018 4:37:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.18 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	46.9	140.8
119	65.2	33.5	100.4





#67

Ethyl Benzene

Concen: 52.41 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 633243

Ion Ratio Lower Upper

91 100

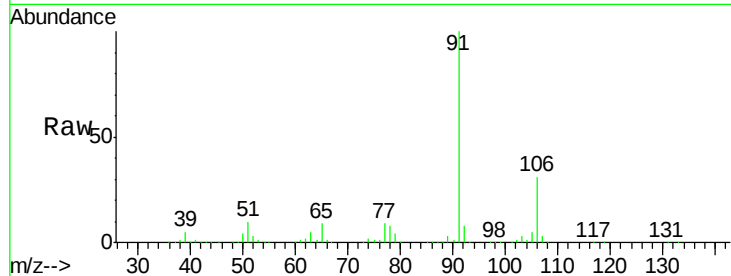
106 31.4 24.2 36.4

Manual Integrations

APPROVED

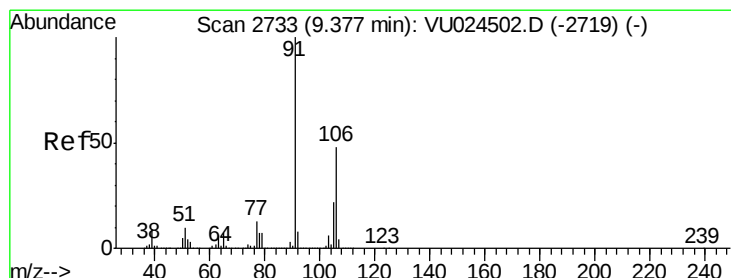
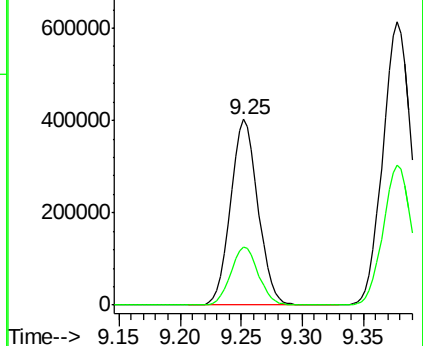
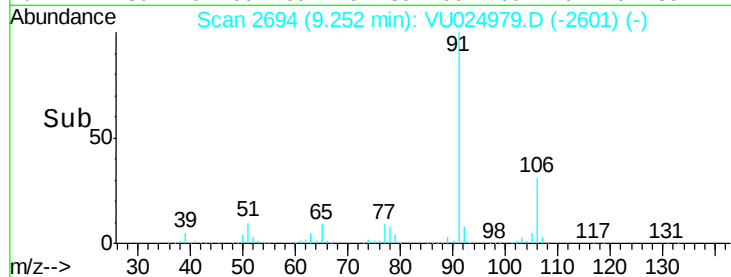
MMDadoda

6/28/2018 4:37:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VU024979.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU024979.D (-2601) (-)



#68

m/p-Xylenes

Concen: 106.93 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024979.D

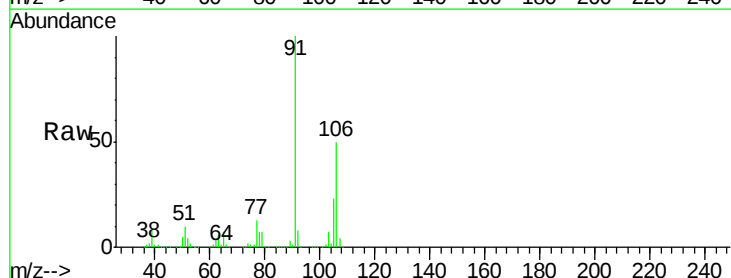
Acq: 27 Jun 2018 20:31

Tgt Ion: 106 Resp: 496136

Ion Ratio Lower Upper

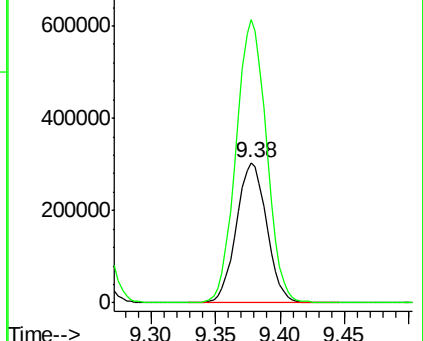
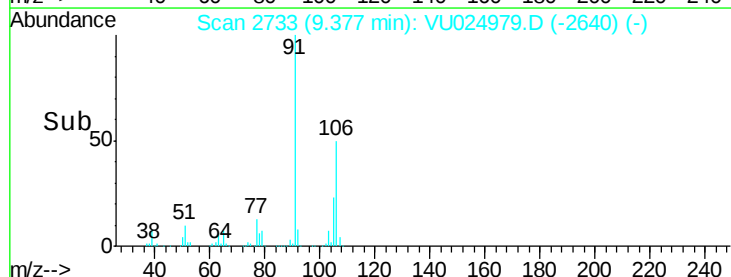
106 100

91 203.7 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024979.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU024979.D (-2640) (-)





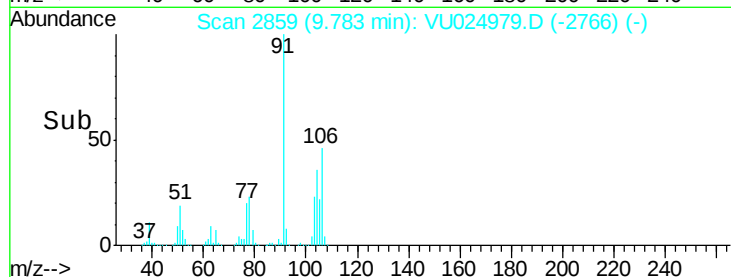
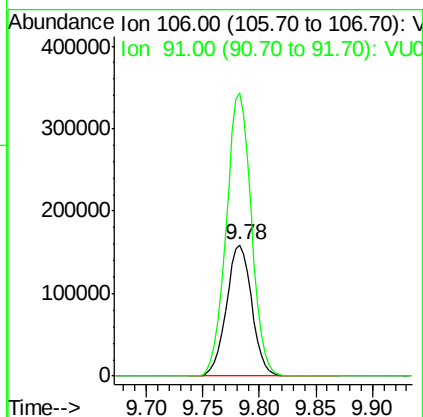
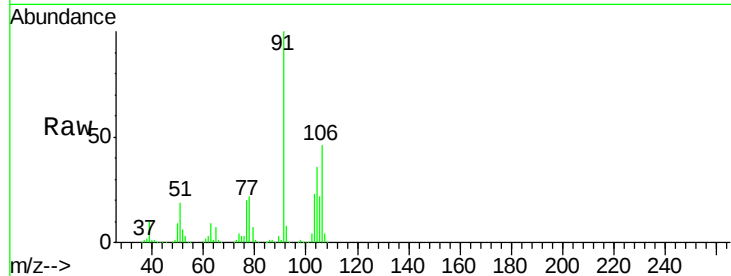
#69
o-Xylene
Concen: 53.87 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
247366	106	100		
	91	214.4	110.7	331.9

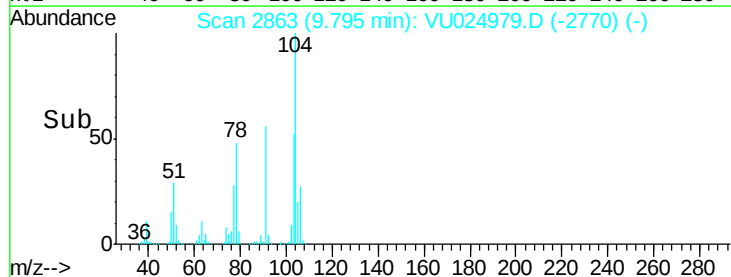
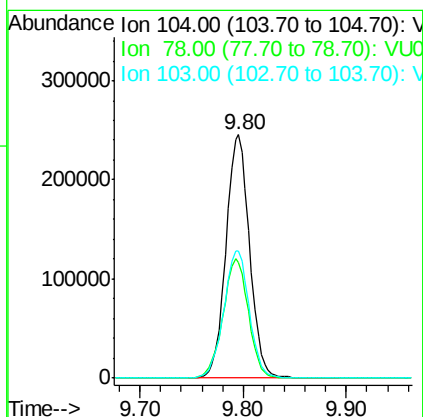
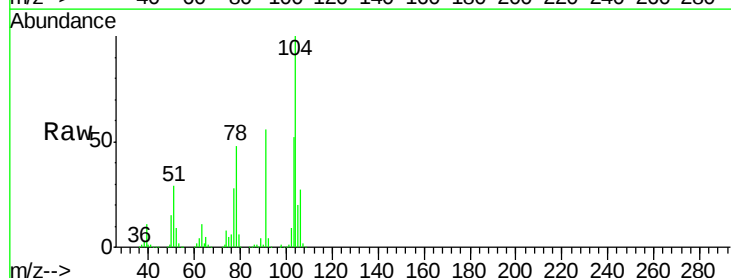
Manual Integrations
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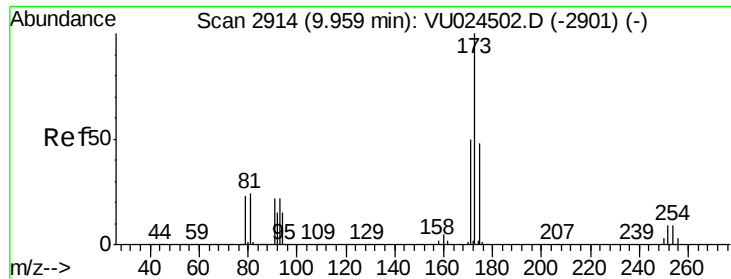
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#70
Styrene
Concen: 51.88 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
391500	104	100		
	78	52.7	40.6	60.8
	103	56.3	44.7	67.1





#71

Bromoform

Concen: 47.63 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

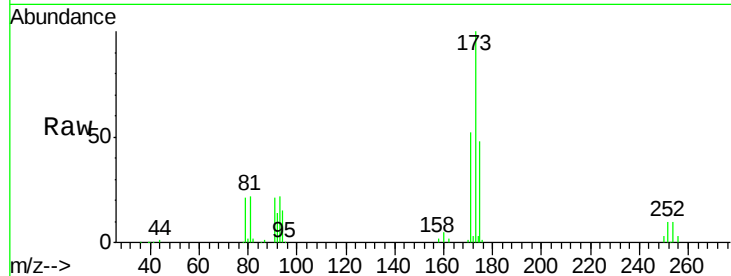
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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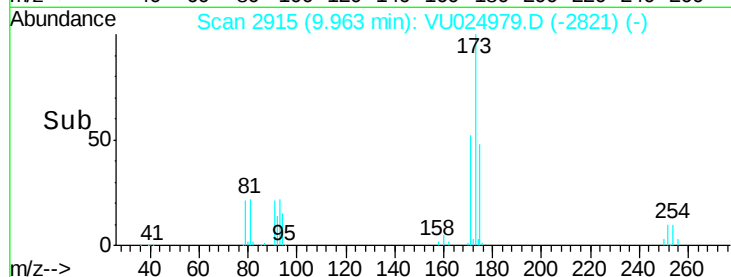
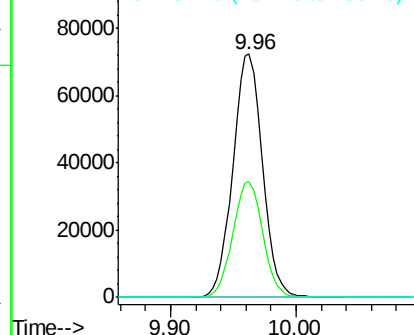


Abundance

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: VU024979.D

Acq: 27 Jun 2018 20:31

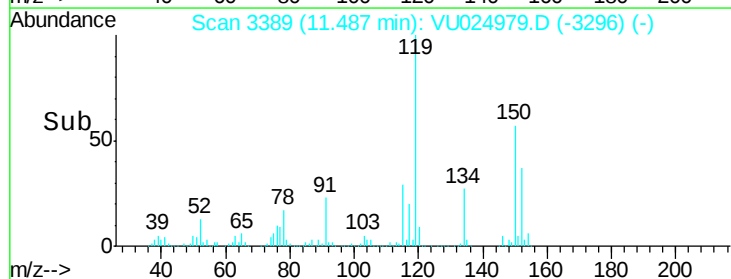
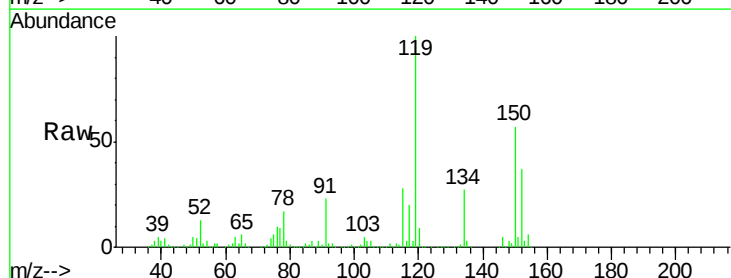
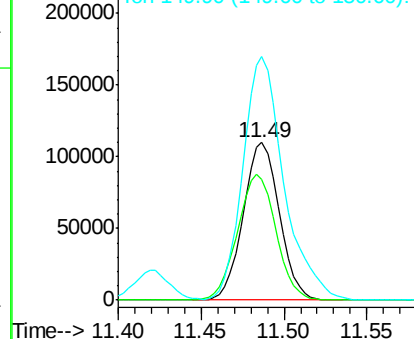
Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.8	43.0	129.0
150	175.8	0.0	354.0

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: 51.87 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 663038

Ion Ratio Lower Upper

105 100

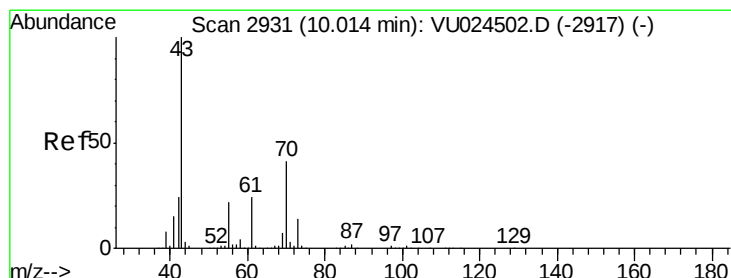
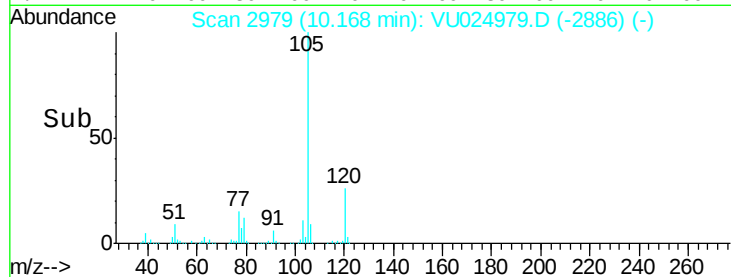
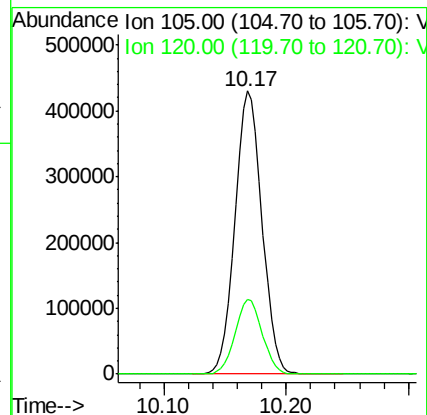
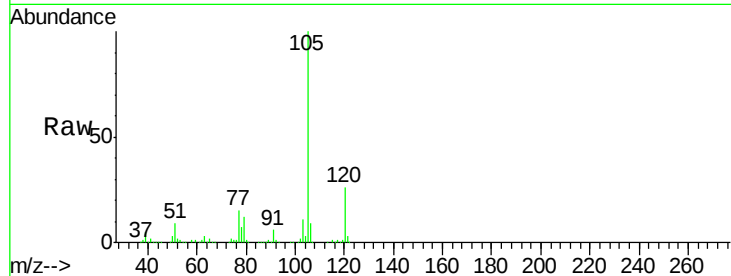
120 26.6 13.2 39.6

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#74

N-ethyl acetate

Concen: 46.90 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion: 43 Resp: 285177

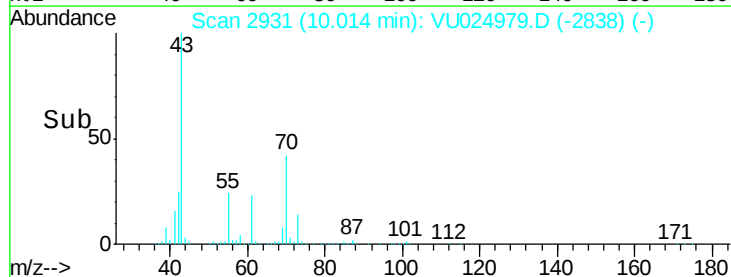
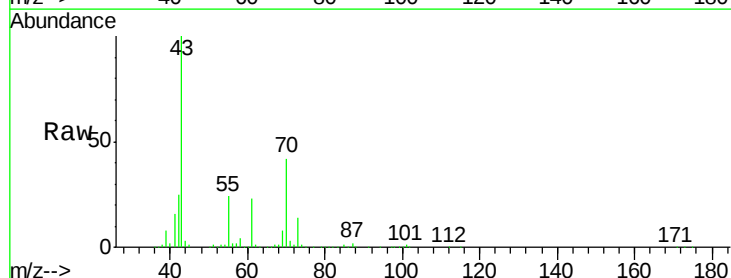
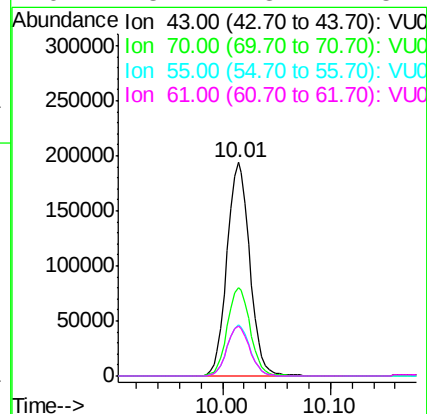
Ion Ratio Lower Upper

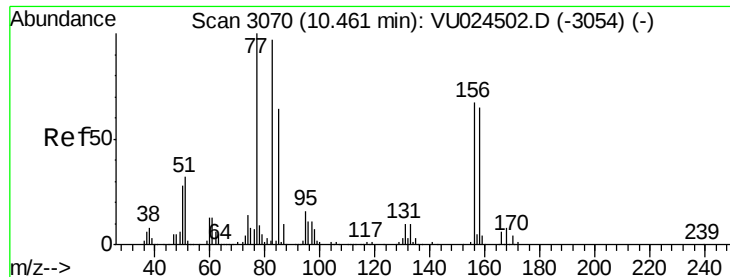
43 100

70 41.8 32.2 48.4

55 24.0 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.55 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 220827
Ion Ratio Lower Upper

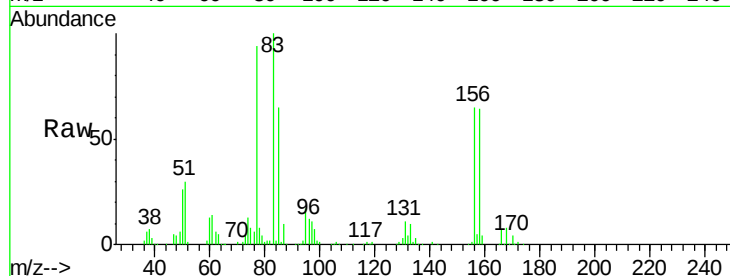
83 100

131 11.0 4.7 14.1

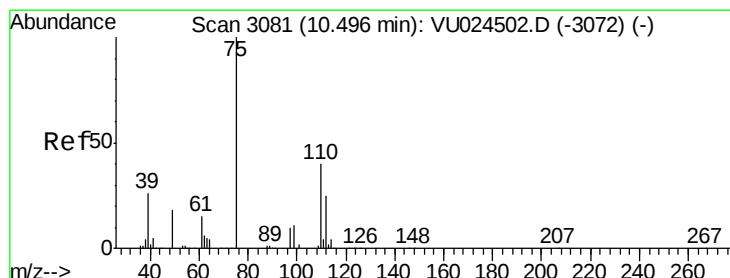
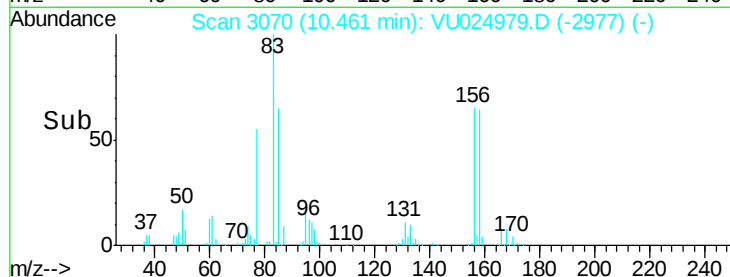
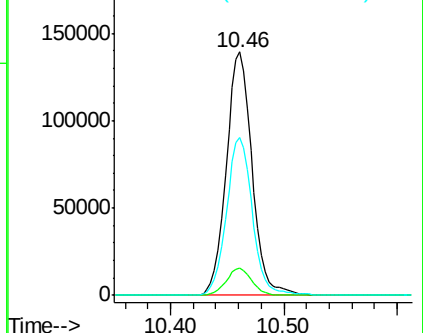
85 65.1 32.5 97.5

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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 55.05 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

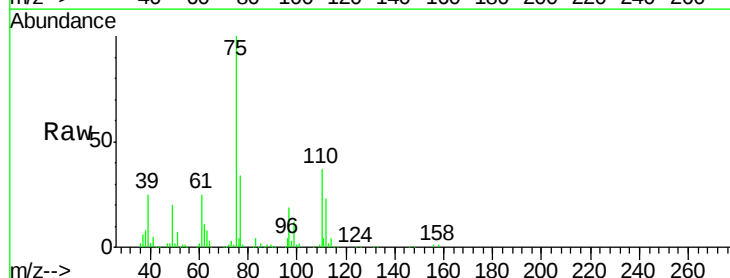
Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

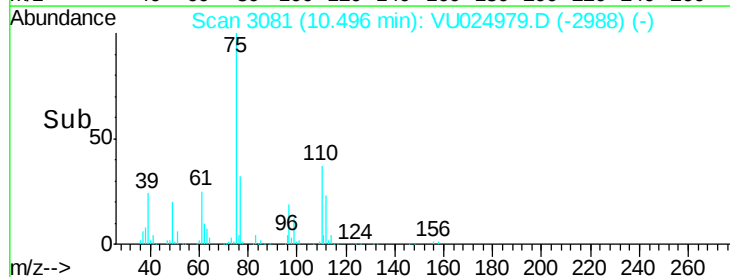
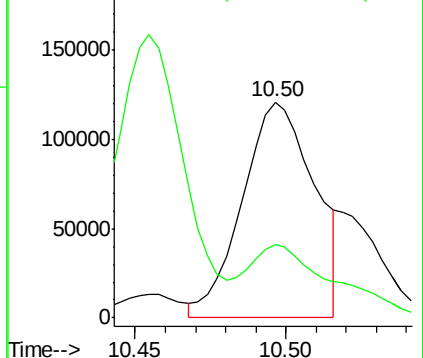
Tgt Ion: 75 Resp: 201791
Ion Ratio Lower Upper

75 100

77 39.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





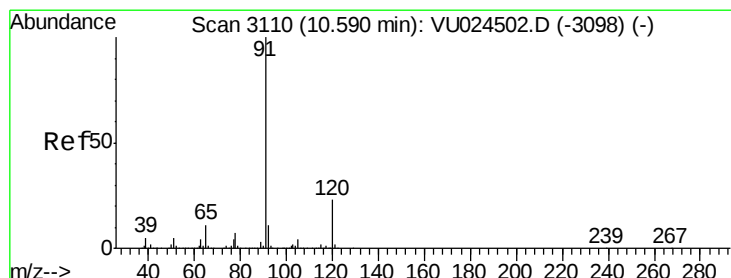
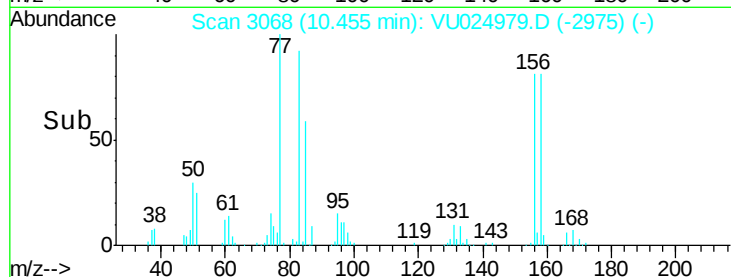
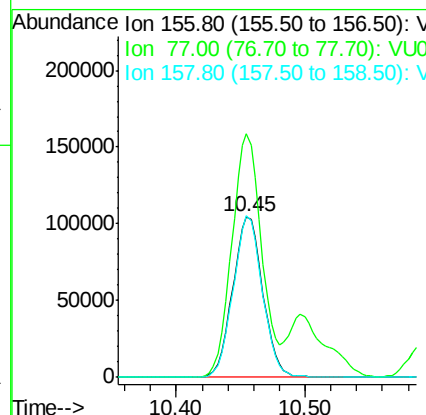
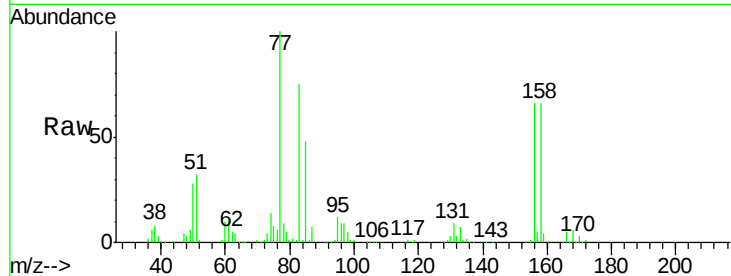
#77
Bromobenzene
Concen: 52.12 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	150.6	80.5	241.3		
158	98.0	48.2	144.6		

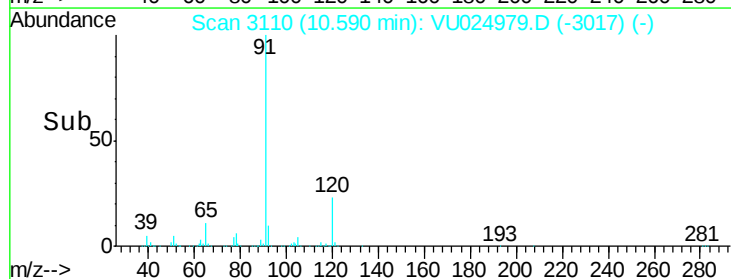
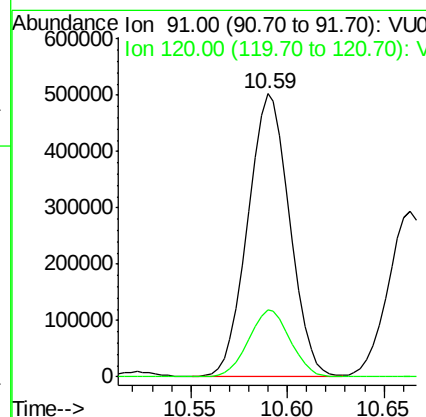
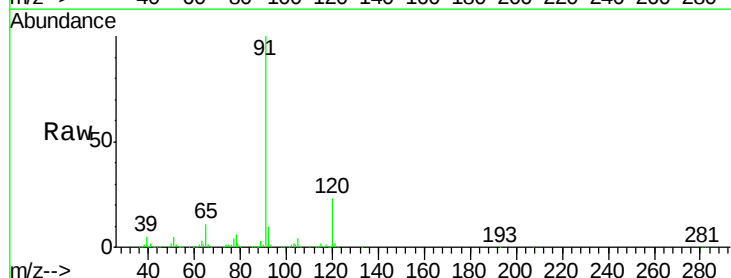
Manual Integrations
APPROVED

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6/28/2018 4:37:04 PM



#78
n-propylbenzene
Concen: 50.16 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.7	11.2	33.5		





#79

2-Chlorotoluene

Concen: 51.48 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 457172

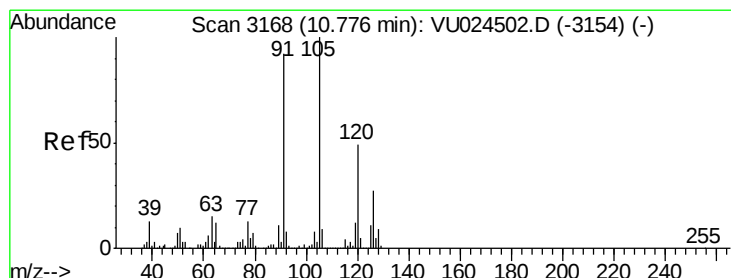
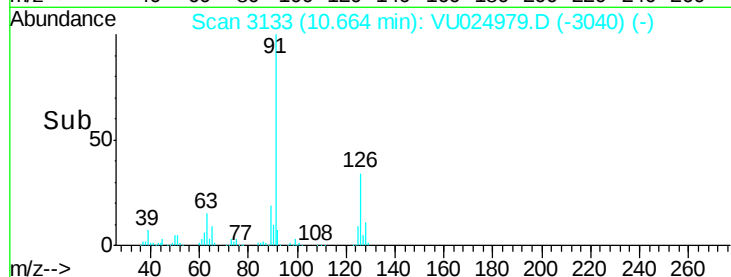
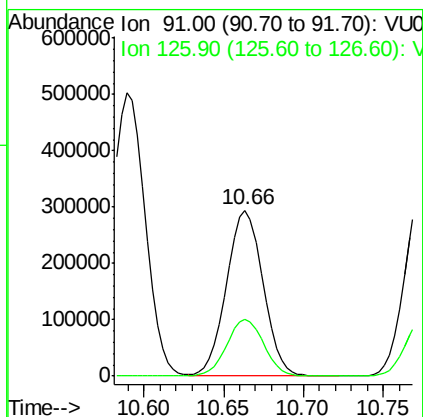
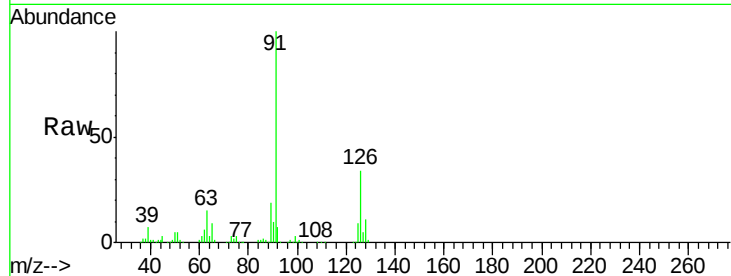
Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7

Manual Integrations
APPROVED

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#80

1,3,5-Trimethylbenzene

Concen: 51.43 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024979.D

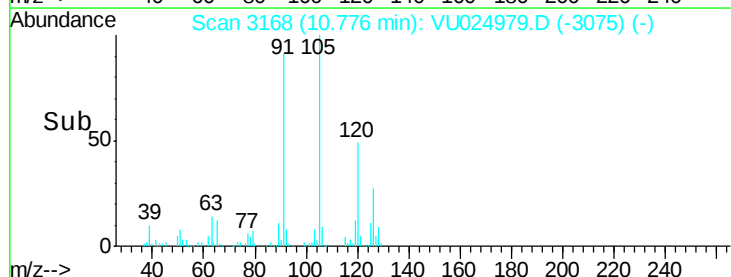
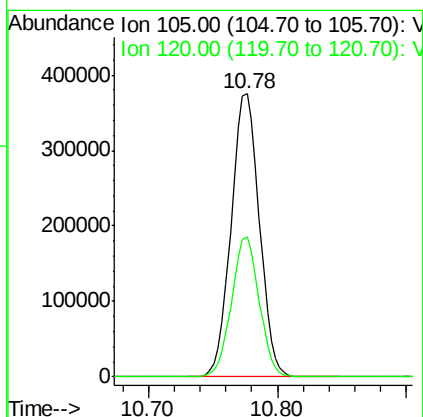
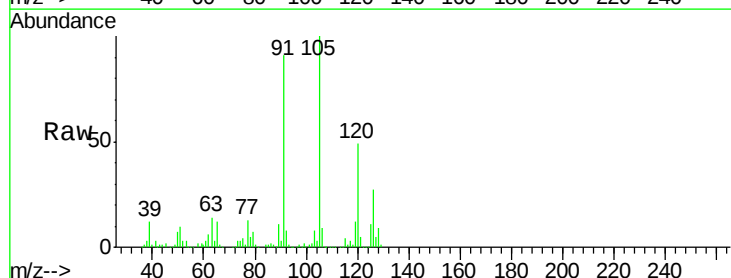
Acq: 27 Jun 2018 20:31

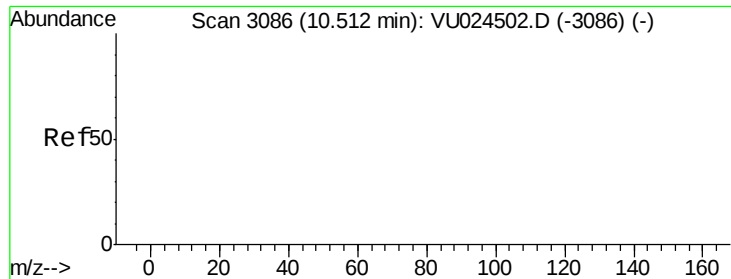
Tgt Ion: 105 Resp: 569818

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.2





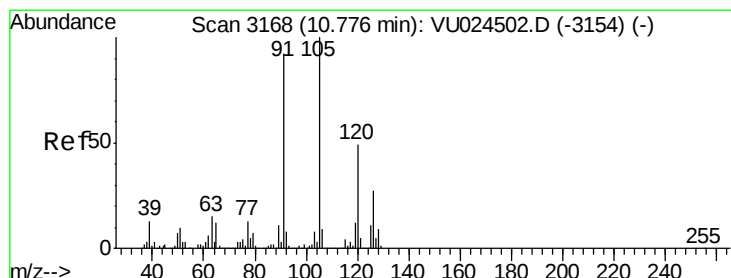
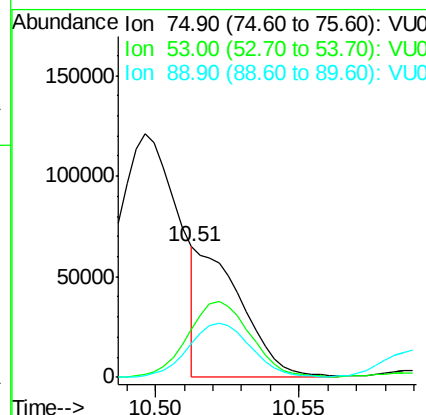
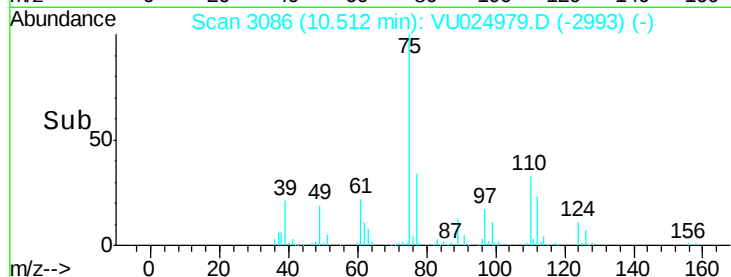
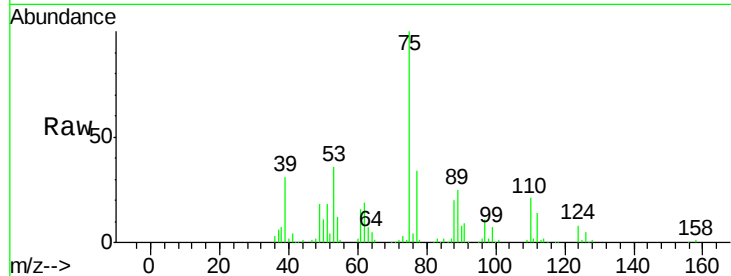
#81
trans-1,4-Dichloro-2-butene
Concen: 44.61 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

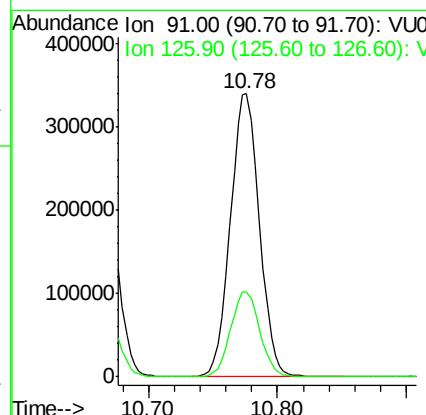
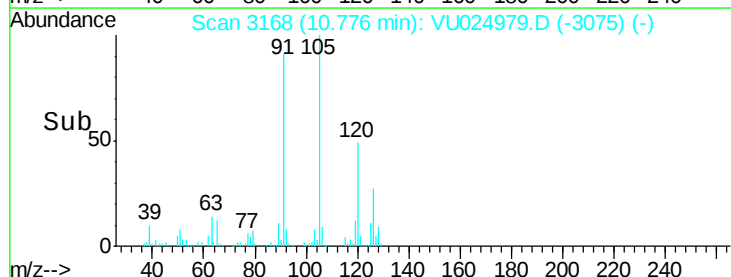
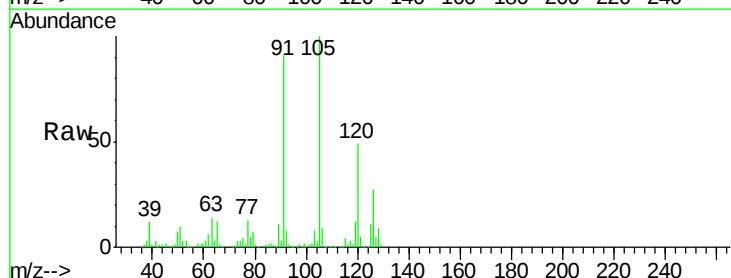
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#82
4-Chlorotoluene
Concen: 51.09 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





#83

tert-Butylbenzene

Concen: 53.28 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

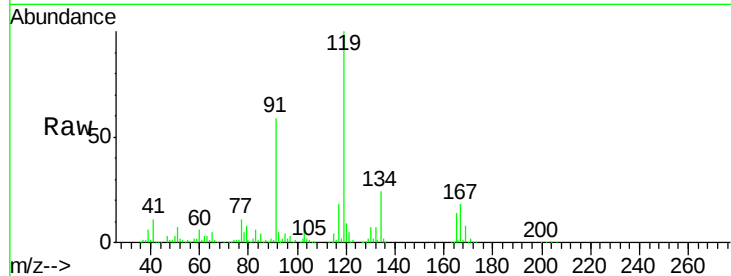
ClientSampleId :

VSTDCCC050EC

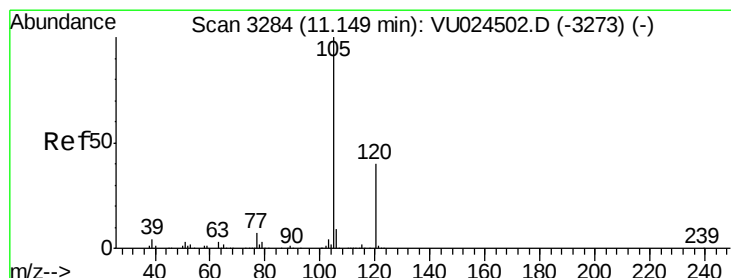
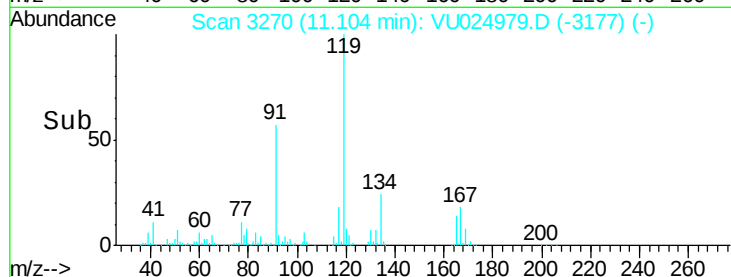
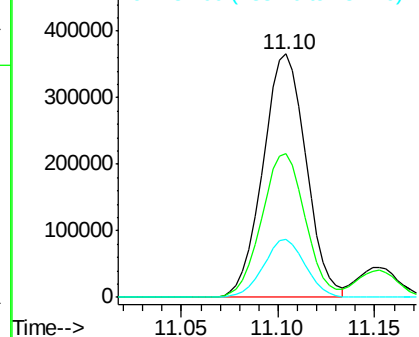
Tot Ion:	119	Resp:	567842
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.7	89.1
134	23.2	11.6	34.7

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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: 51.91 ug/l

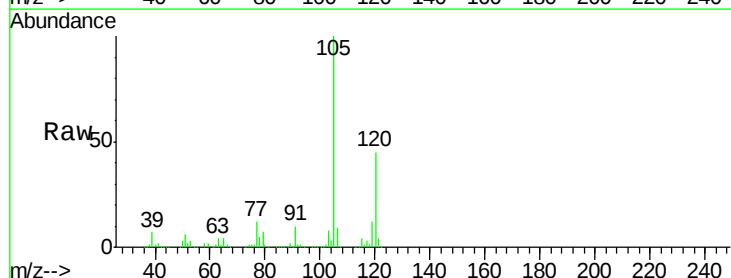
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

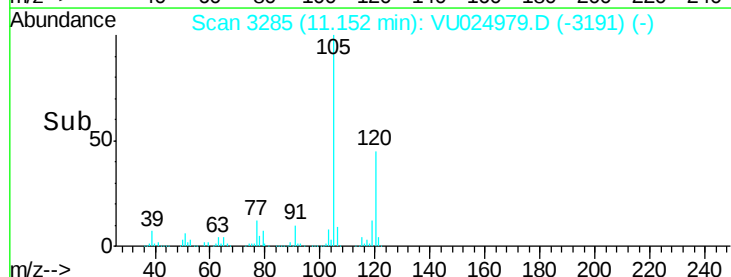
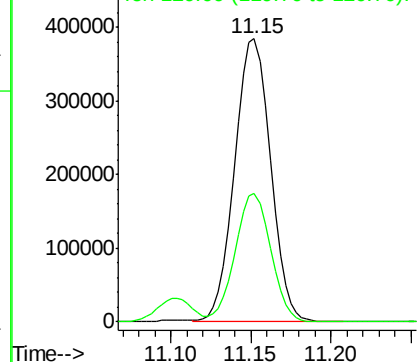
Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	105	Resp:	586132
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





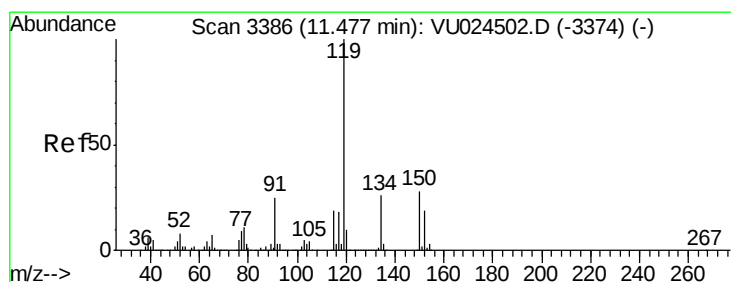
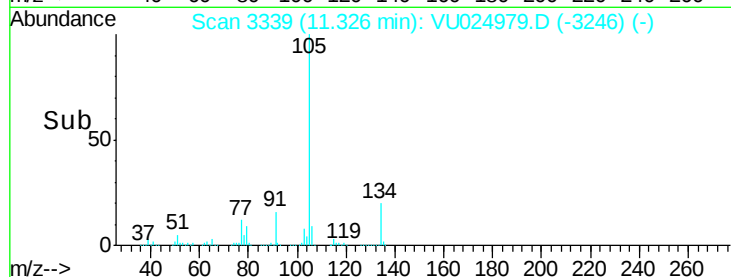
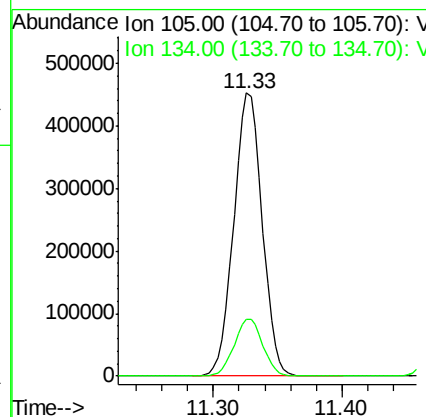
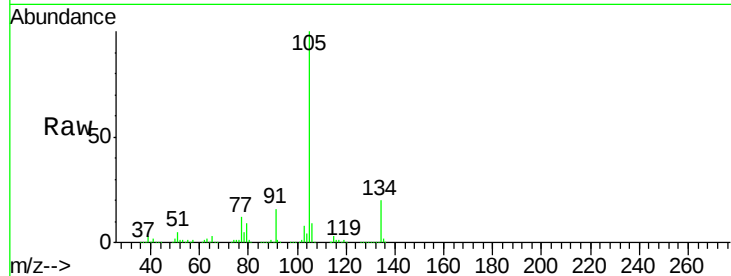
#85
 sec-Butylbenzene
 Concen: 51.79 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	29.1

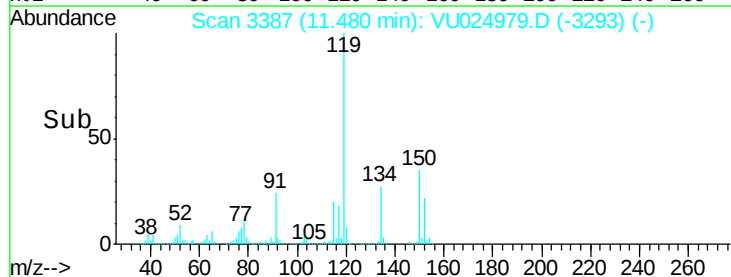
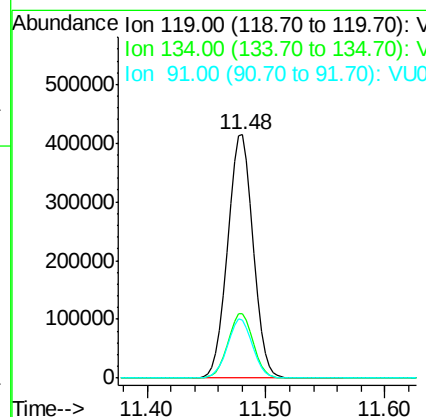
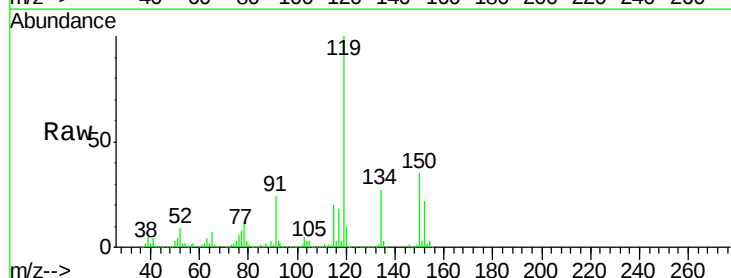
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#86
 p-Isopropyltoluene
 Concen: 51.32 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	24.0	12.0	36.1





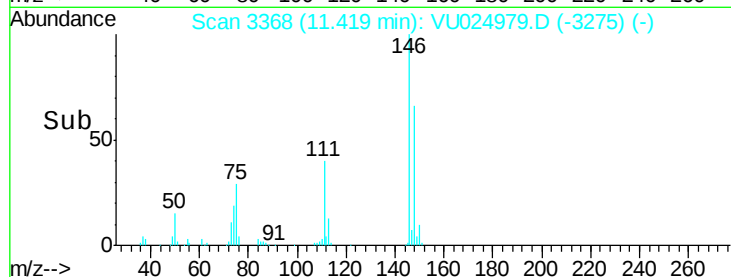
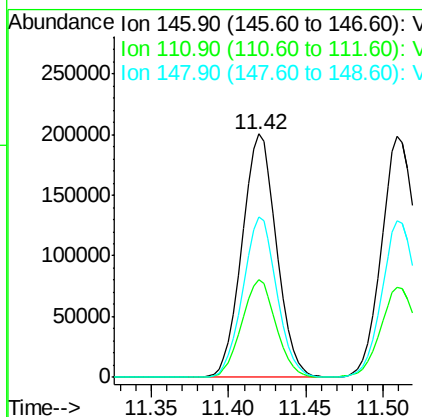
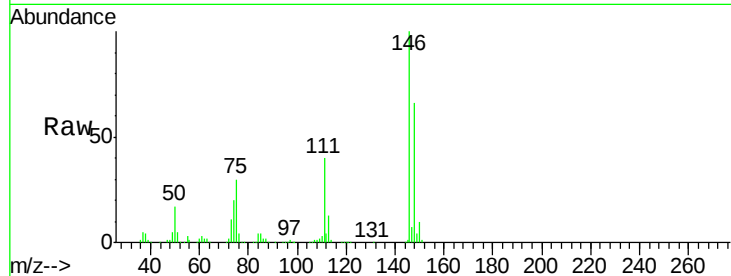
#87
 1,3-Dichlorobenzene
 Concen: 52.00 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.8	32.1	96.5

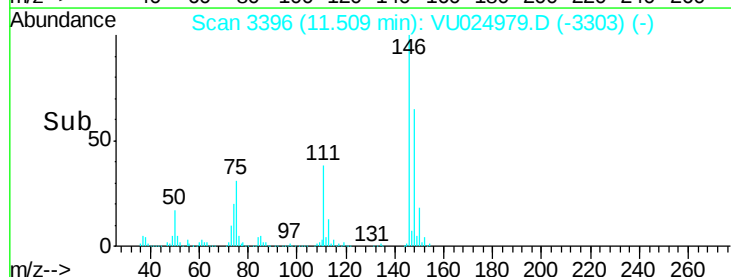
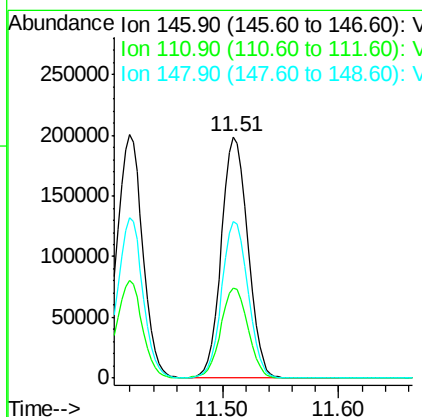
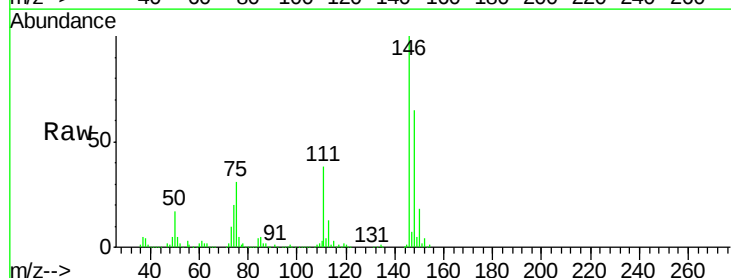
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 52.29 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.6	32.4	97.0





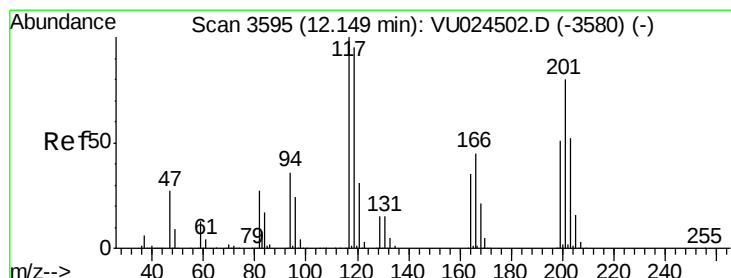
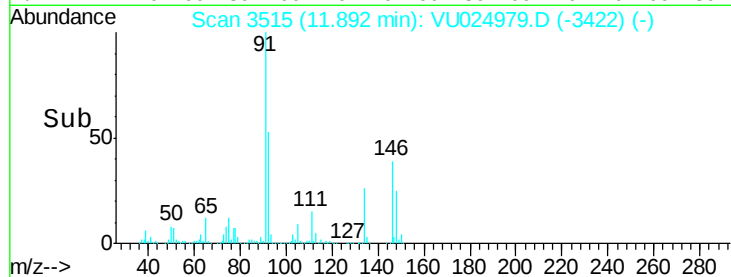
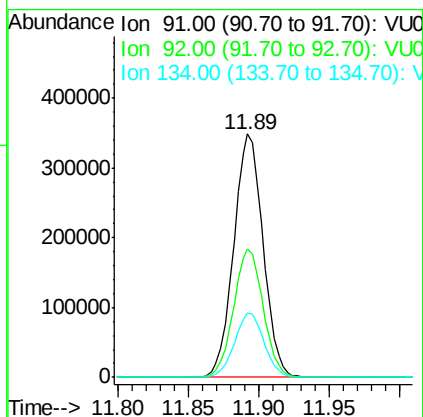
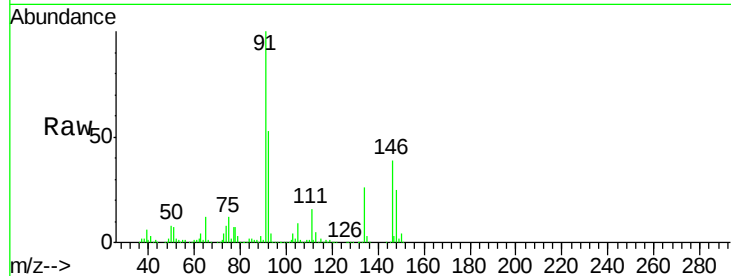
#89
n-Butylbenzene
Concen: 47.88 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	26.6	12.3	36.8

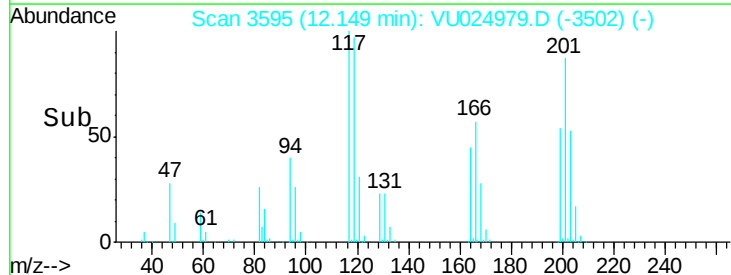
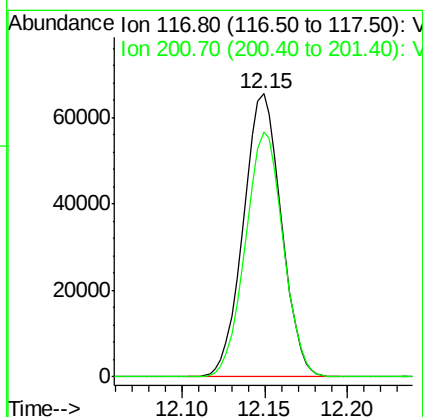
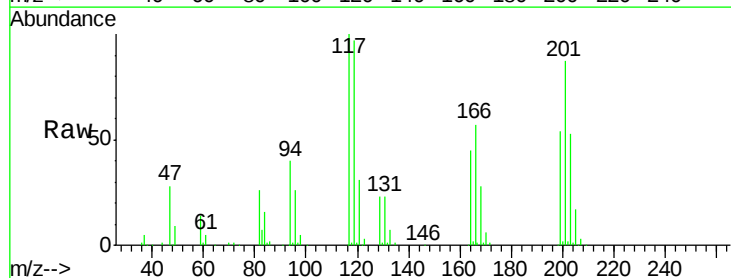
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#90
Hexachloroethane
Concen: 44.77 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024979.D
Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	41.1	123.3





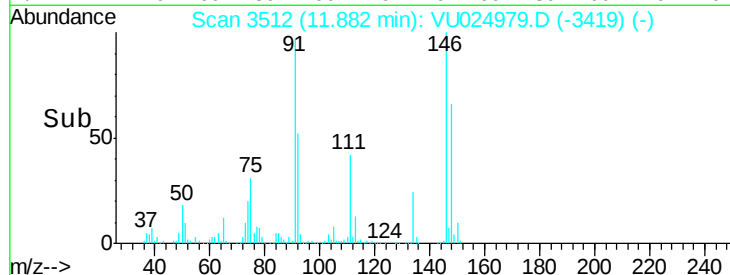
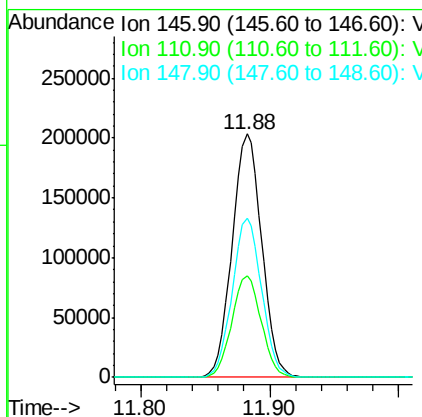
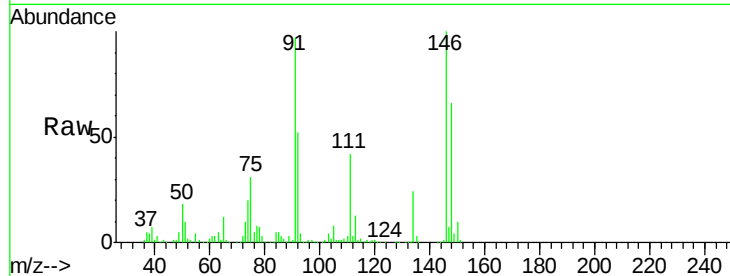
#91
 1,2-Dichlorobenzene
 Concen: 54.18 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.9	31.9	95.7

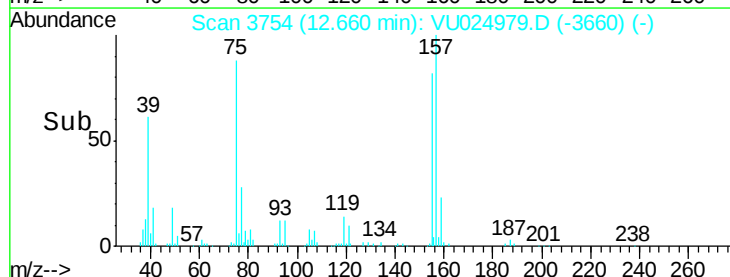
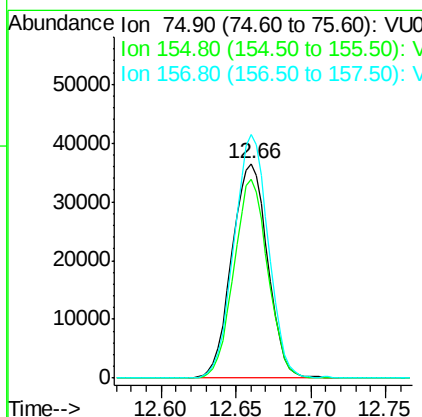
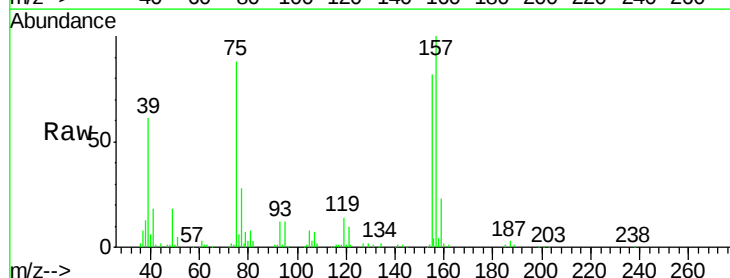
Manual Integrations
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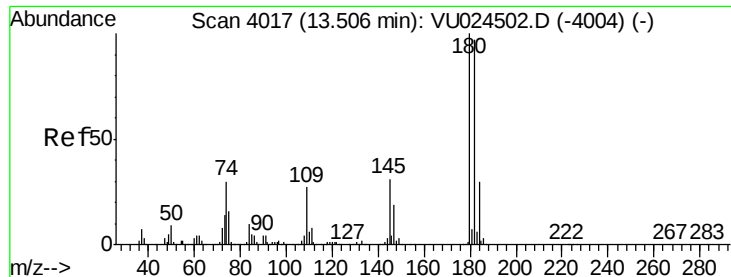
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.48 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024979.D
 Acq: 27 Jun 2018 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	40.4	121.2
157	108.6	52.3	156.8





#93

1,2,4-Trichlorobenzene

Concen: 57.67 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

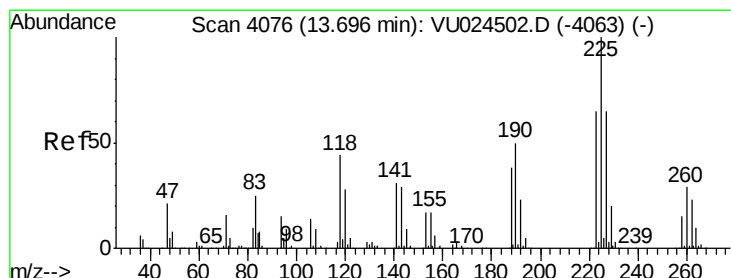
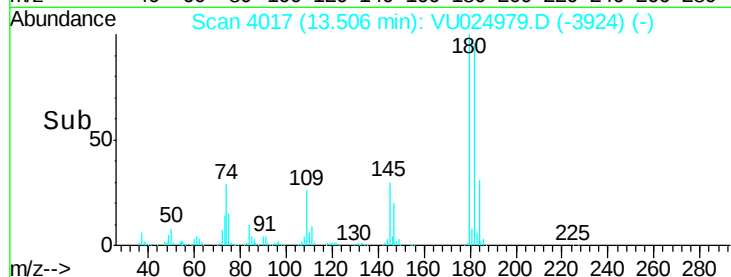
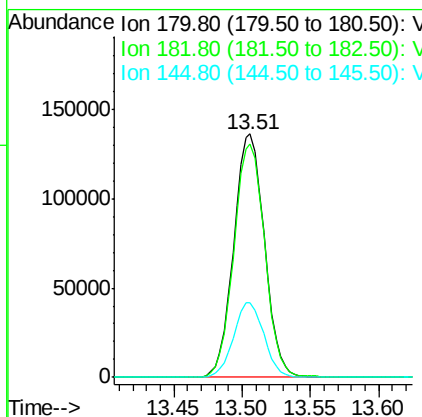
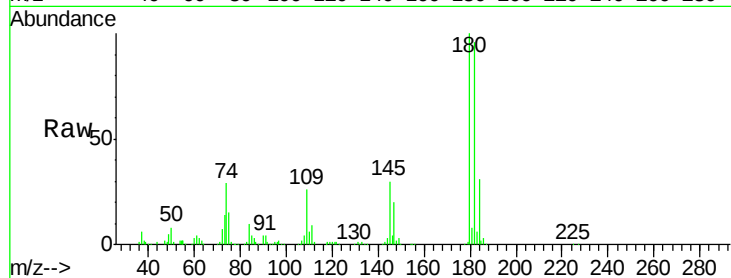
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	213282
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.0	144.2
145	30.5	14.7	44.1

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#94

Hexachlorobutadiene

Concen: 53.88 ug/l

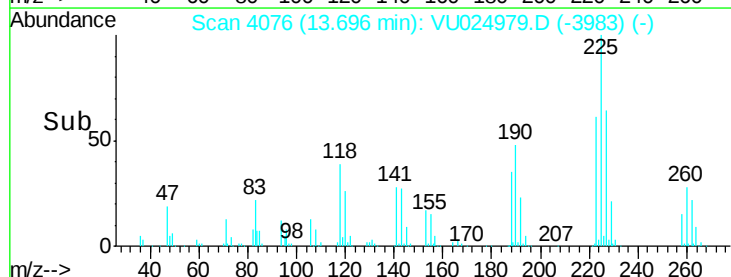
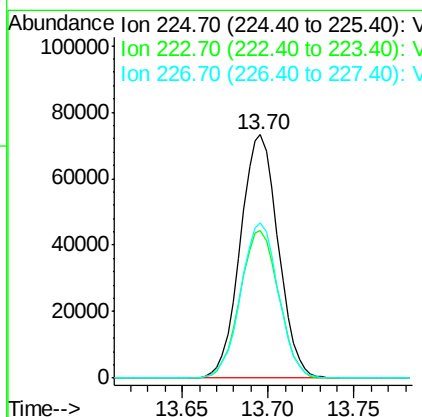
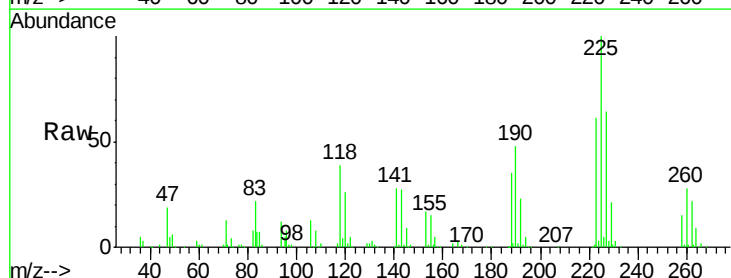
RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	225	Resp:	112154
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.3	93.8
227	63.4	31.8	95.4





#95

Naphthalene

Concen: 57.32 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Instrument :

MSVOA_U

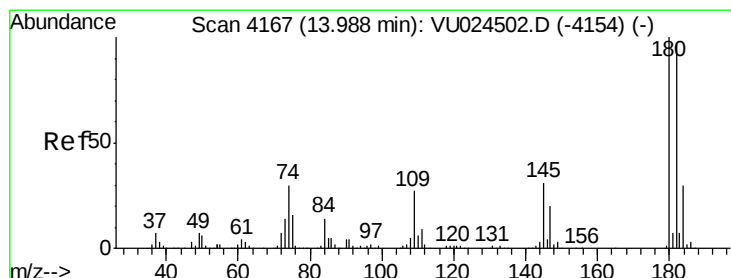
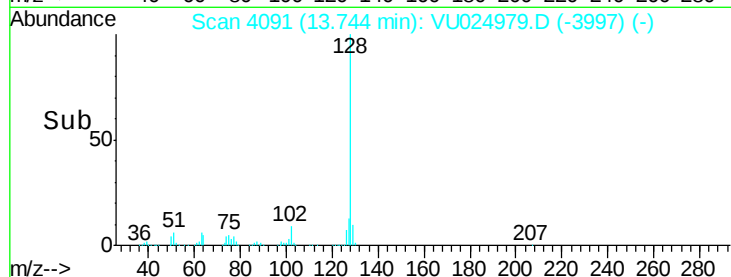
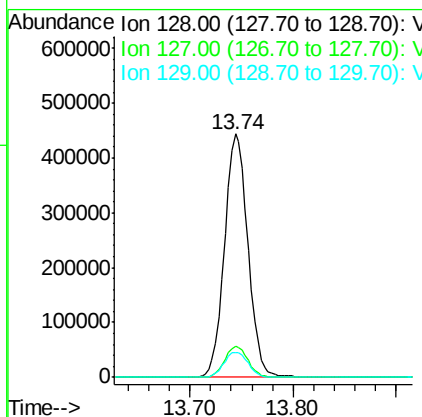
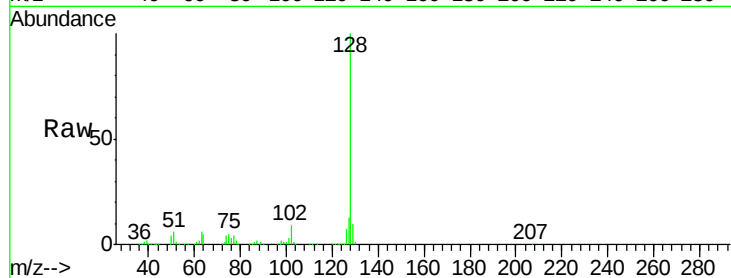
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	702918
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 60.83 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024979.D

Acq: 27 Jun 2018 20:31

Tgt Ion:	180	Resp:	224140
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.9	143.7
145	31.0	15.4	46.1

