

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062718\
 Data File : VU025006.D
 Acq On : 28 Jun 2018 07:48
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:06 PM

Quant Time: Jun 28 08:10:05 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	172406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269151	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161094	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	136999	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
35) Dibromofluoromethane	4.89	113	111188	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	7.57	98	375702	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
62) 4-Bromofluorobenzene	10.31	95	156940	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	90149	41.77	ug/l	98
3) Chloromethane	1.33	50	97499	44.22	ug/l	99
4) Vinyl Chloride	1.40	62	104423	45.93	ug/l	99
5) Bromomethane	1.61	94	54441	49.53	ug/l	99
6) Chloroethane	1.69	64	68568	54.05	ug/l	98
7) Trichlorofluoromethane	1.88	101	172178	49.62	ug/l	100
8) Diethyl Ether	2.10	74	65719	55.88	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	100280	46.58	ug/l	97
10) Methyl Iodide	2.41	142	118292	63.35	ug/l	98
11) Tert butyl alcohol	2.83	59	165992	242.49	ug/l	100
12) 1,1-Dichloroethene	2.28	96	96671	49.24	ug/l	95
13) Acrolein	2.19	56	35085	97.60	ug/l	95
14) Allyl chloride	2.59	41	162239	44.51	ug/l	99
15) Acrylonitrile	2.94	53	339852	255.18	ug/l	99
16) Acetone	2.32	43	315821	208.84	ug/l	99
17) Carbon Disulfide	2.48	76	267319	42.53	ug/l	99
18) Methyl Acetate	2.62	43	204921	63.21	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	385320	52.22	ug/l	95
20) Methylene Chloride	2.70	84	114733	48.35	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	106548	49.28	ug/l	93
22) Diisopropyl ether	3.57	45	367664	50.88	ug/l	95
23) Vinyl Acetate	3.53	43	1522846	235.28	ug/l	98
24) 1,1-Dichloroethane	3.45	63	210874	50.73	ug/l	99
25) 2-Butanone	4.26	43	493779	243.08	ug/l	97
26) 2,2-Dichloropropane	4.23	77	132099	33.47	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	127266	51.20	ug/l	95
28) Bromochloromethane	4.55	49	87230	47.64	ug/l	87
29) Tetrahydrofuran	4.64	42	316117	251.30	ug/l	97
30) Chloroform	4.68	83	220098	52.31	ug/l	100
31) Cyclohexane	5.00	56	186999	50.69	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	203267	52.25	ug/l	96
36) 1,1-Dichloropropene	5.14	75	156656	49.53	ug/l	96
37) Ethyl Acetate	4.38	43	181241	52.58	ug/l	97
38) Carbon Tetrachloride	5.14	117	179259	51.54	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	192858	48.86	ug/l	96
40) Benzene	5.39	78	464398	51.53	ug/l	99
41) Methacrylonitrile	4.54	41	101912	54.83	ug/l	98
42) 1,2-Dichloroethane	5.41	62	193295	56.32	ug/l	99
43) Isopropyl Acetate	5.55	43	289823	48.64	ug/l	99
44) Trichloroethene	6.19	130	126604	49.36	ug/l	96
45) 1,2-Dichloropropane	6.44	63	123948	51.55	ug/l	99
46) Dibromomethane	6.56	93	89416	52.94	ug/l	95
47) Bromodichloromethane	6.76	83	171033	50.85	ug/l	98
48) Methyl methacrylate	6.63	41	152617	52.60	ug/l	98
49) 1,4-Dioxane	6.62	88	71211	1255.00	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	954152	254.88	ug/l	98
52) Toluene	7.64	92	301263	51.96	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	175188	46.38	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	186060	46.23	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	124103	52.66	ug/l	97
56) Ethyl methacrylate	8.02	69	195463	49.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	211171	53.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	101901	67.43	ug/l	95
59) 2-Hexanone	8.36	43	774002	253.26	ug/l	98
60) Dibromochloromethane	8.48	129	141551	48.16	ug/l	100
61) 1,2-Dibromoethane	8.59	107	135857	51.79	ug/l	99
64) Tetrachloroethene	8.23	164	129278	53.05	ug/l	96
65) Chlorobenzene	9.12	112	339773	51.88	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	127997	51.44	ug/l	98
67) Ethyl Benzene	9.25	91	594256	51.76	ug/l	98
68) m/p-Xylenes	9.38	106	458668	104.04	ug/l	99
69) o-Xylene	9.78	106	227312	52.10	ug/l	98
70) Styrene	9.80	104	367368	51.24	ug/l	98
71) Bromoform	9.96	173	111676	47.22	ug/l #	98
73) Isopropylbenzene	10.17	105	620445	50.16	ug/l	99
74) N-amyl acetate	10.01	43	268841	45.70	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	211158	50.95	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	177959m	50.18	ug/l	
77) Bromobenzene	10.45	156	159873	51.06	ug/l	95
78) n-propylbenzene	10.59	91	700169	48.06	ug/l	97
79) 2-Chlorotoluene	10.66	91	424929	49.46	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	535675	49.97	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	62180m	40.58	ug/l	
82) 4-Chlorotoluene	10.78	91	491672	49.17	ug/l	100
83) tert-Butylbenzene	11.10	119	528820	51.28	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	550866	50.42	ug/l	99
85) sec-Butylbenzene	11.33	105	637846	49.42	ug/l	98
86) p-Isopropyltoluene	11.48	119	565457	48.91	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	293169	50.68	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	295762	50.80	ug/l	99
89) n-Butylbenzene	11.89	91	456931	44.52	ug/l	97
90) Hexachloroethane	12.15	117	98360	43.62	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	308476	53.24	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56040	49.00	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	195292	54.58	ug/l	100
94) Hexachlorobutadiene	13.70	225	99965	49.64	ug/l	98
95) Naphthalene	13.74	128	649304	54.75	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	208083	58.36	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 172406

Ion Ratio Lower Upper

168 100

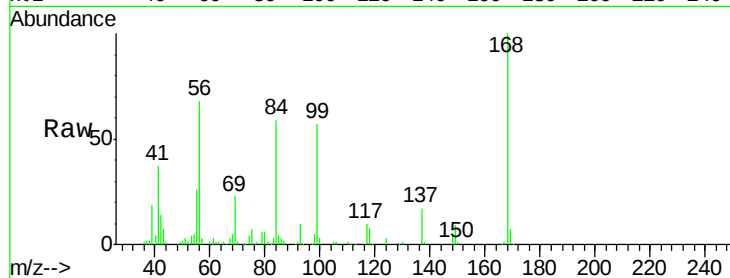
99 56.1 43.2 64.8

Manual Integrations

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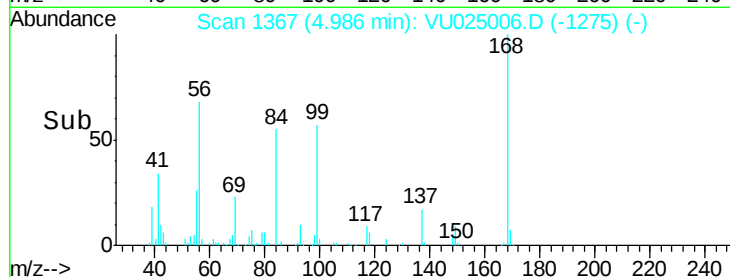
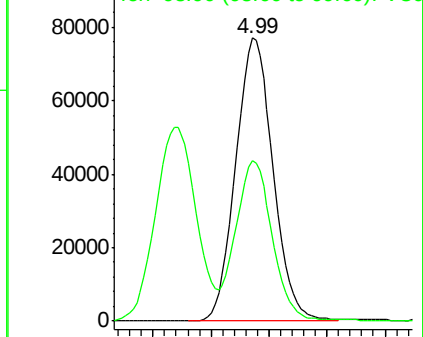
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 41.77 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025006.D

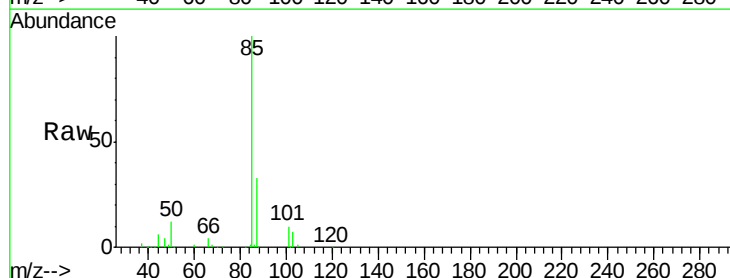
Acq: 28 Jun 2018 07:48

Tgt Ion: 85 Resp: 90149

Ion Ratio Lower Upper

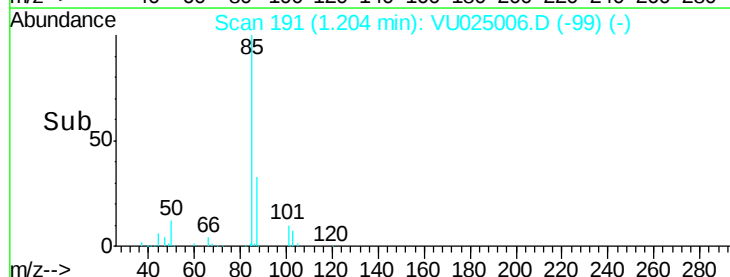
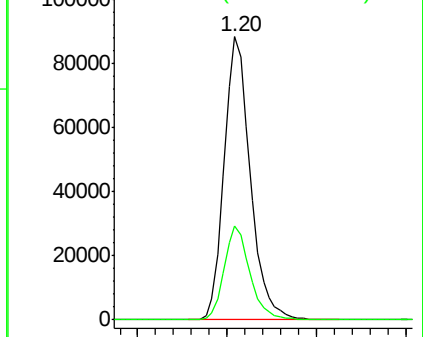
85 100

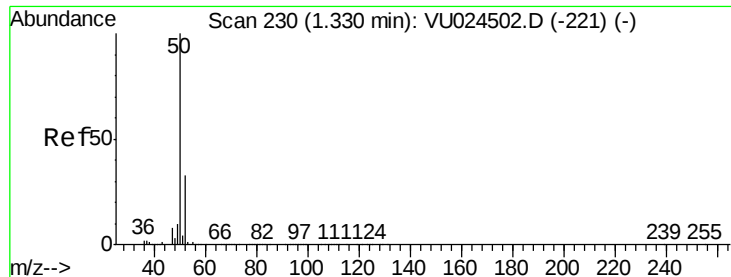
87 33.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 44.22 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 97499

Ion Ratio Lower Upper

50 100

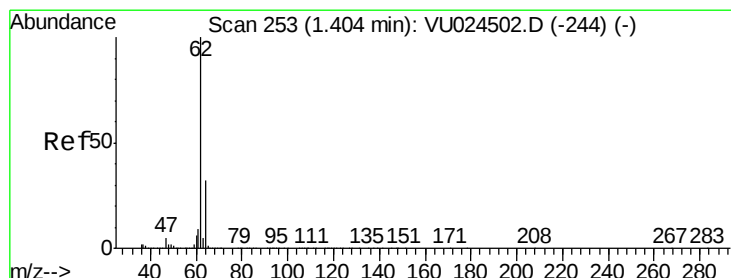
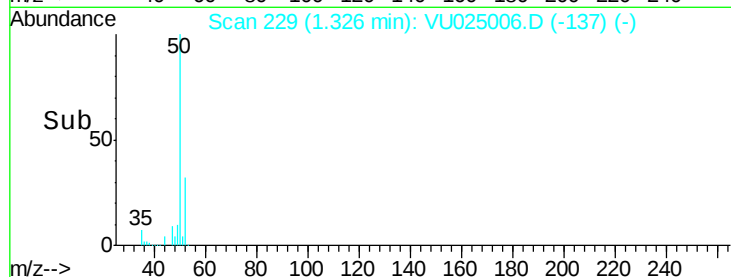
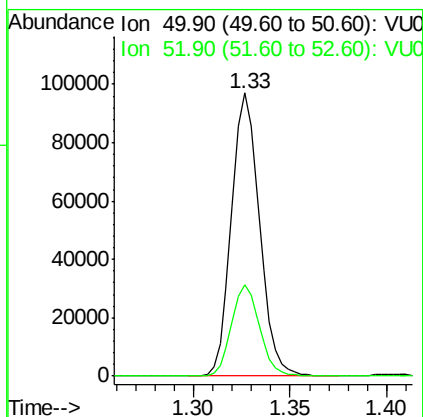
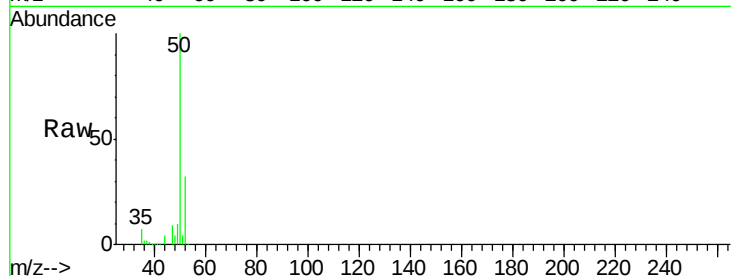
52 32.4 26.4 39.6

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#4

Vinyl Chloride

Concen: 45.93 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025006.D

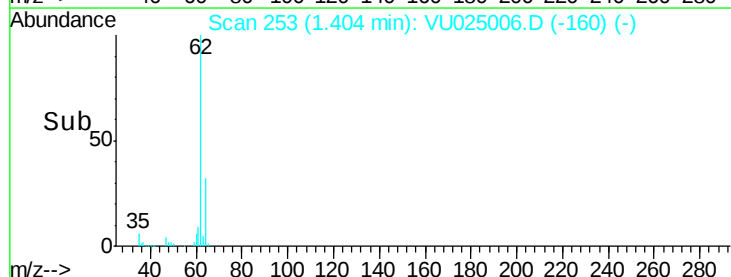
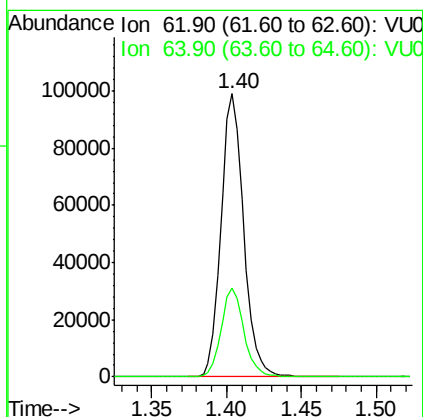
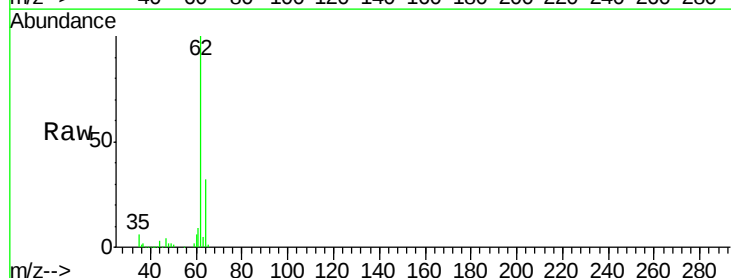
Acq: 28 Jun 2018 07:48

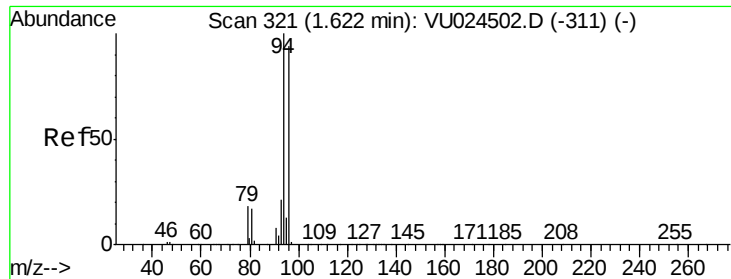
Tgt Ion: 62 Resp: 104423

Ion Ratio Lower Upper

62 100

64 31.5 24.8 37.2





#5

Bromomethane

Concen: 49.53 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 54441

Ion Ratio Lower Upper

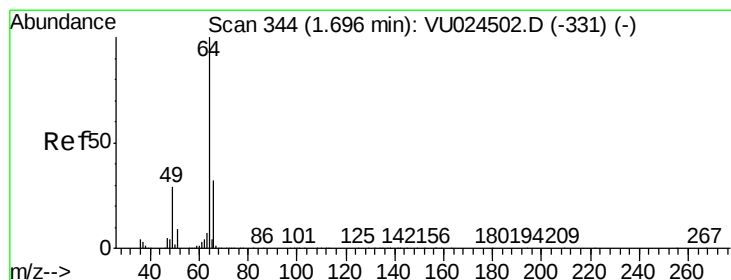
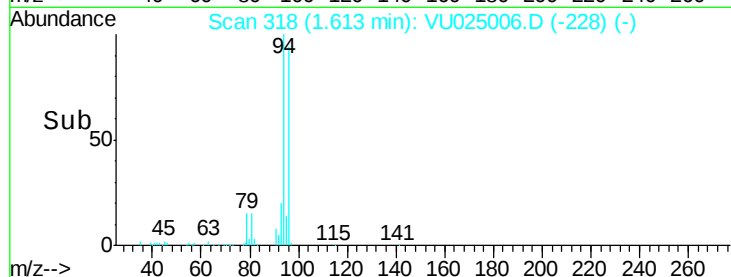
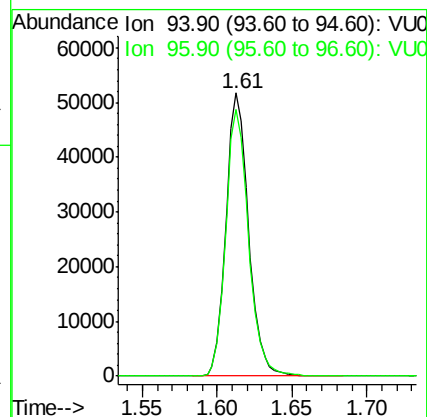
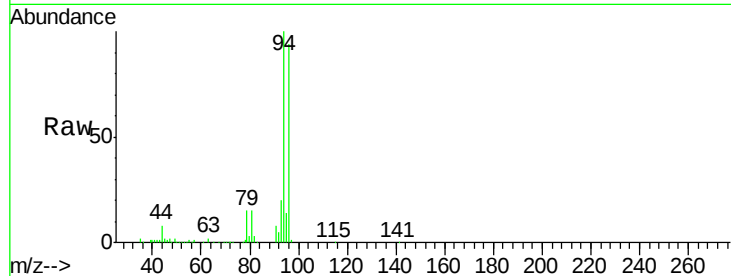
94 100

96 94.1 74.5 111.7

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#6

Chloroethane

Concen: 54.05 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025006.D

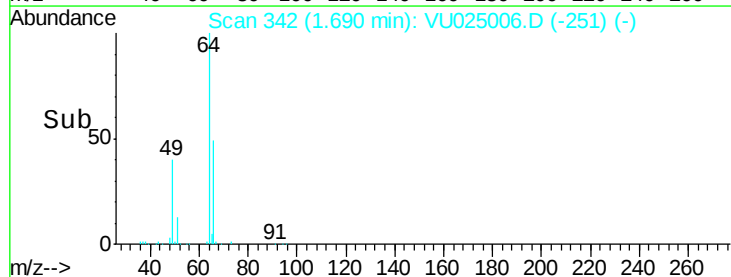
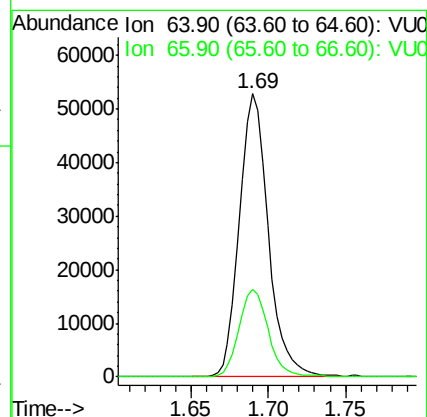
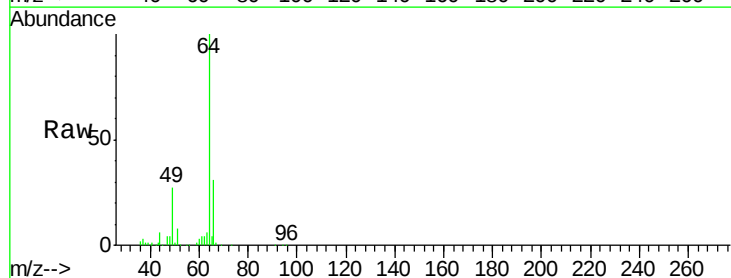
Acq: 28 Jun 2018 07:48

Tgt Ion: 64 Resp: 68568

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

Trichlorofluoromethane

Concen: 49.62 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 172178

Ion Ratio Lower Upper

101 100

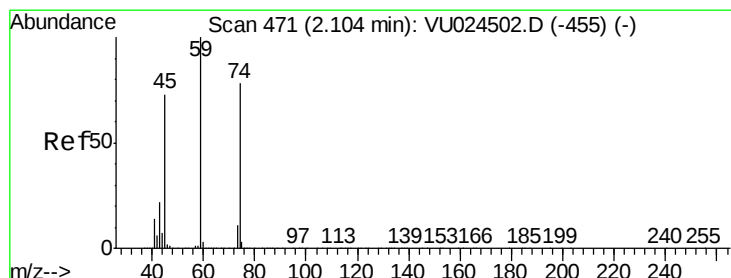
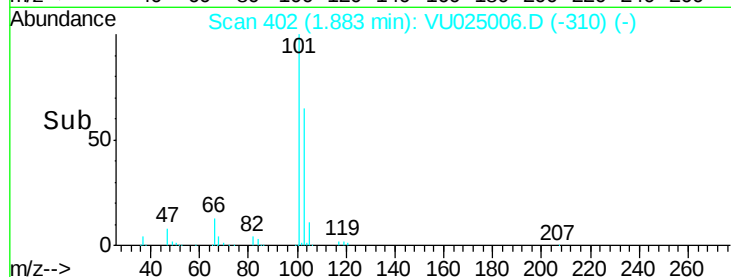
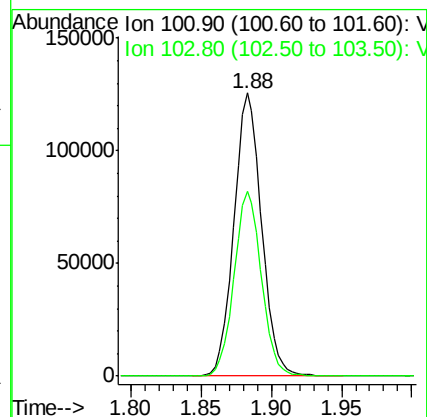
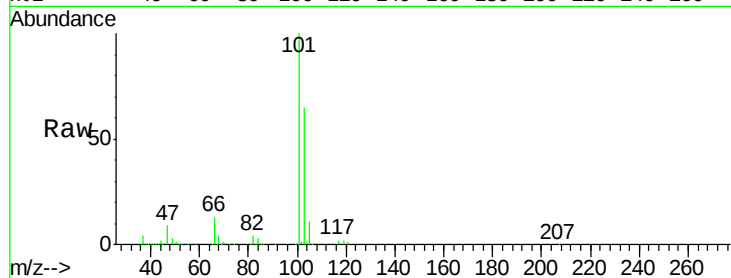
103 65.1 52.3 78.5

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#8

Diethyl Ether

Concen: 55.88 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025006.D

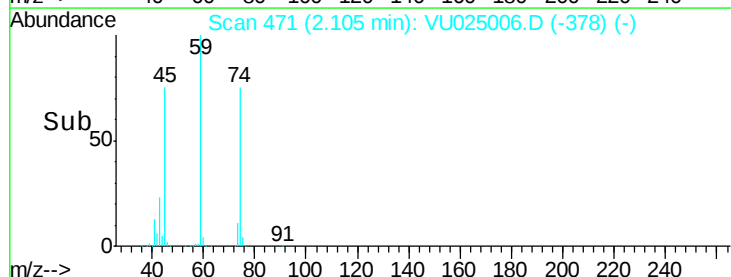
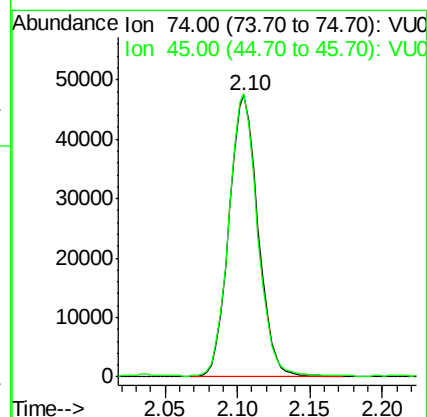
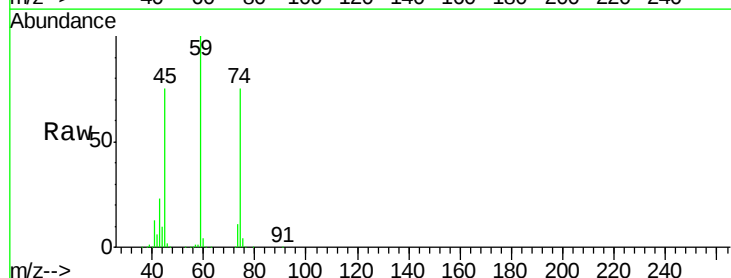
Acq: 28 Jun 2018 07:48

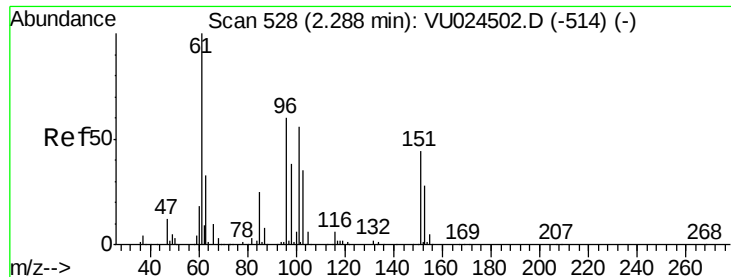
Tgt Ion: 74 Resp: 65719

Ion Ratio Lower Upper

74 100

45 98.3 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.58 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

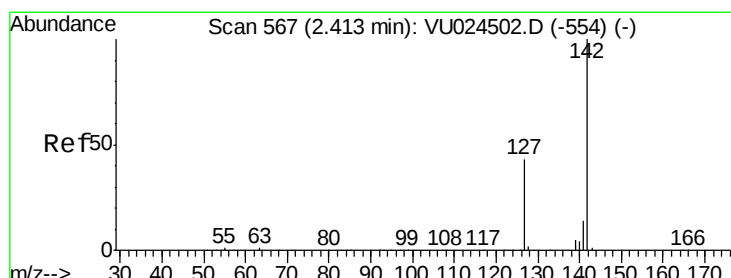
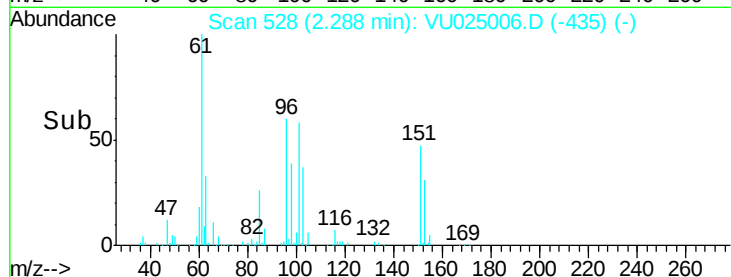
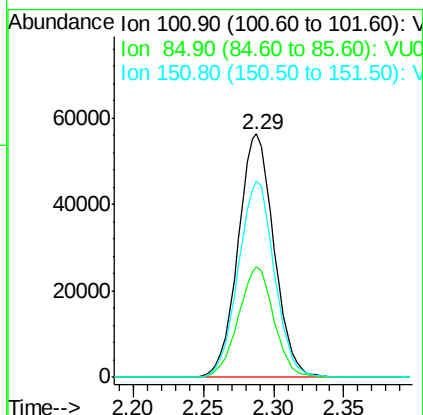
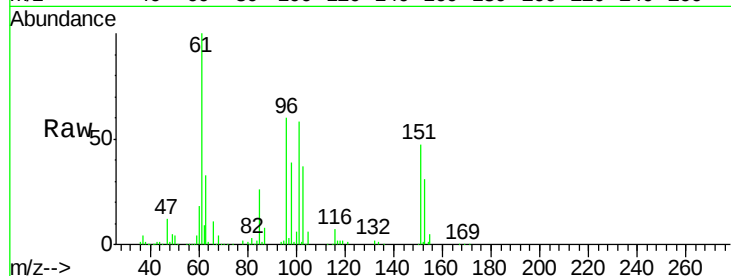
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100280
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.0	54.0
151	81.3	62.3	93.5

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#10

Methyl Iodide

Concen: 63.35 ug/l

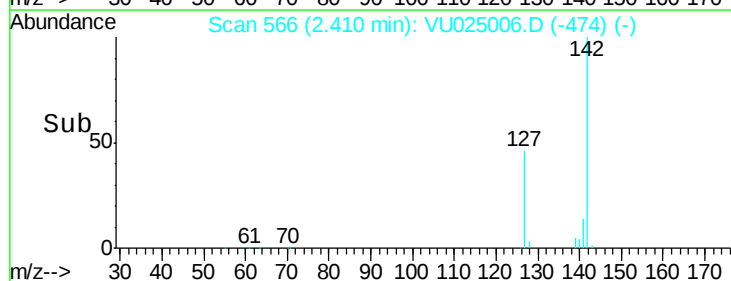
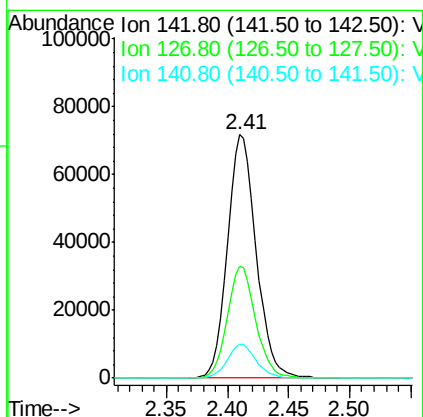
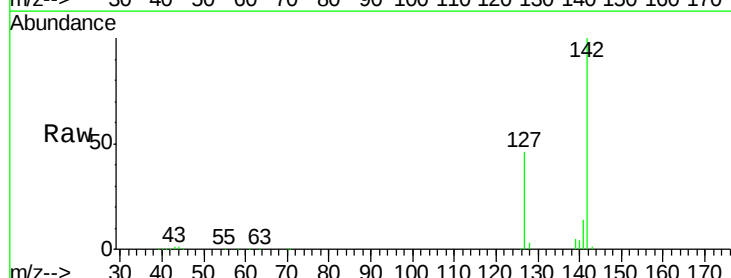
RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	142	Resp:	118292
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.6	53.4
141	14.0	11.7	17.5





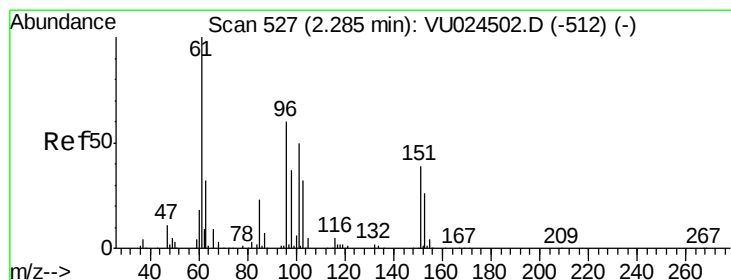
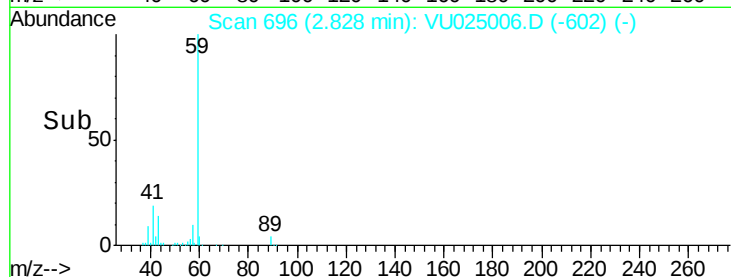
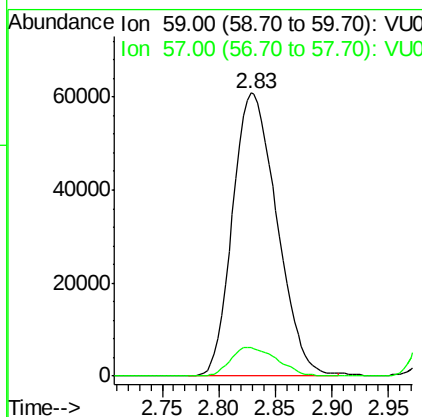
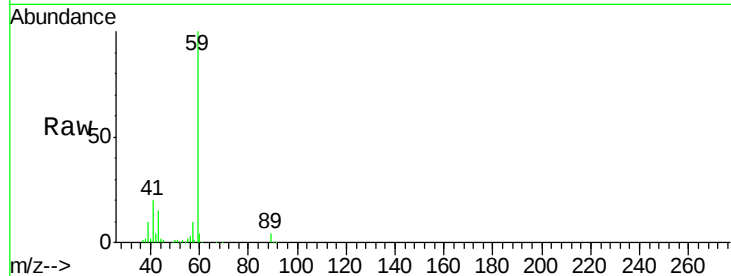
#11
Tert butyl alcohol
Concen: 242.49 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

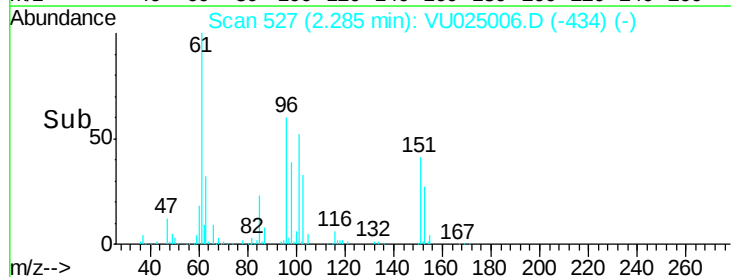
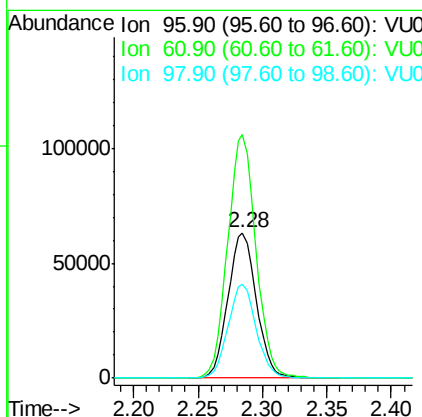
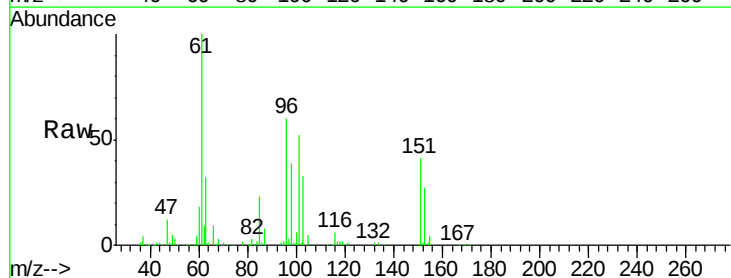
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 49.24 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	141.7	212.5
98	64.9	51.6	77.4





#13

Acrolein

Concen: 97.60 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tot Ion: 56 Resp: 35085

Ion Ratio Lower Upper

56 100

55 69.0 58.4 87.6

Instrument :

MSVOA_U

ClientSampleId :

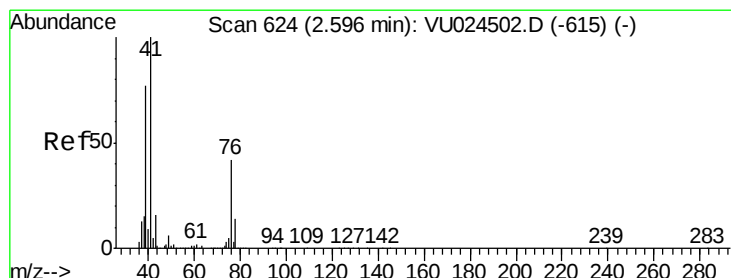
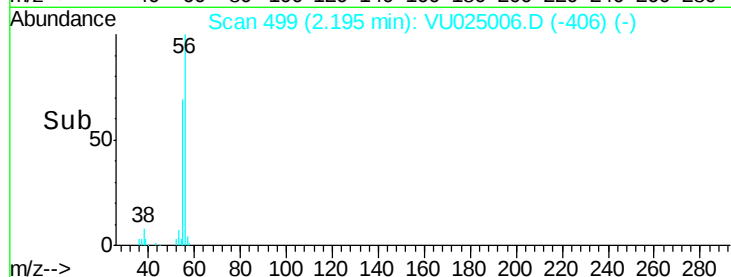
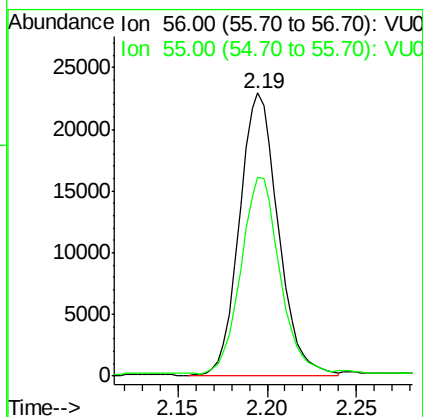
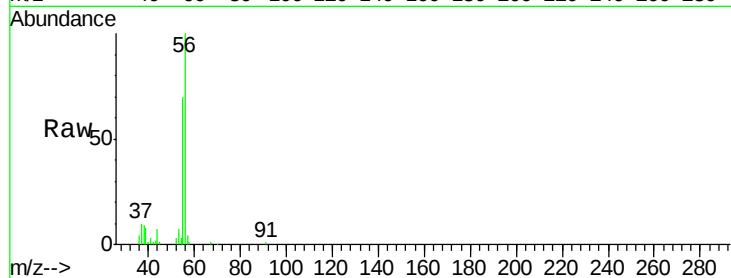
VSTDCCC050EC

Manual Integrations

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#14

Allyl chloride

Concen: 44.51 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

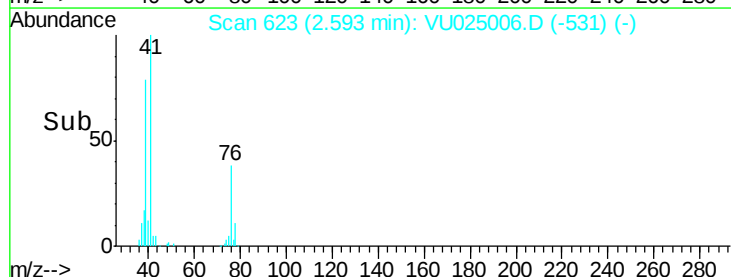
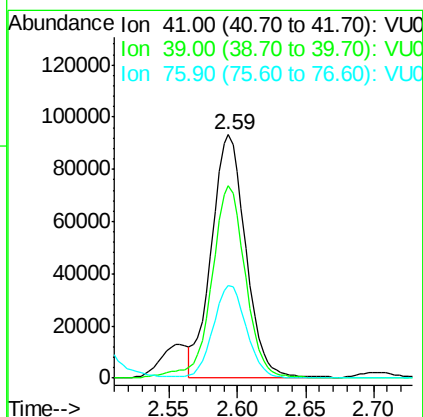
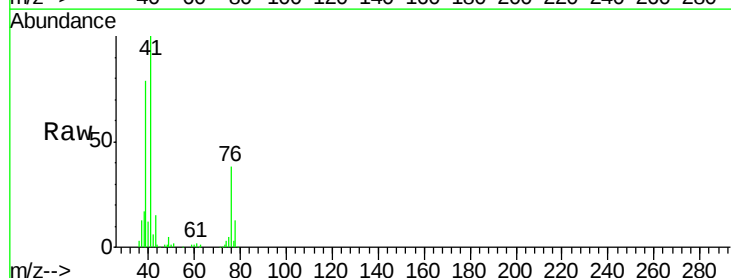
Tgt Ion: 41 Resp: 162239

Ion Ratio Lower Upper

41 100

39 77.7 61.6 92.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 255.18 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

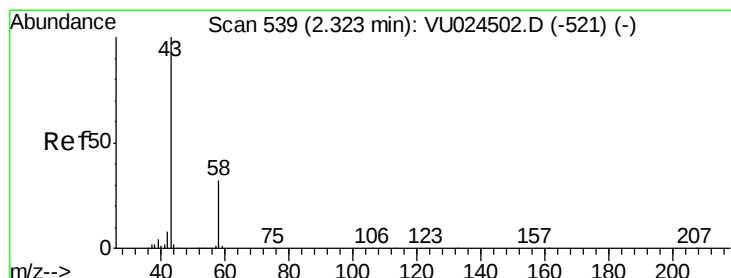
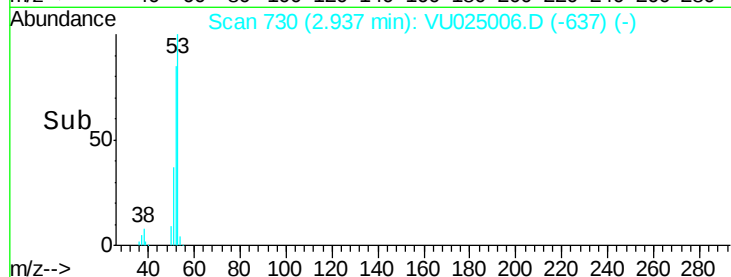
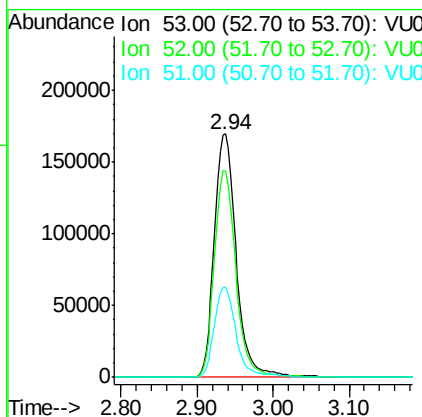
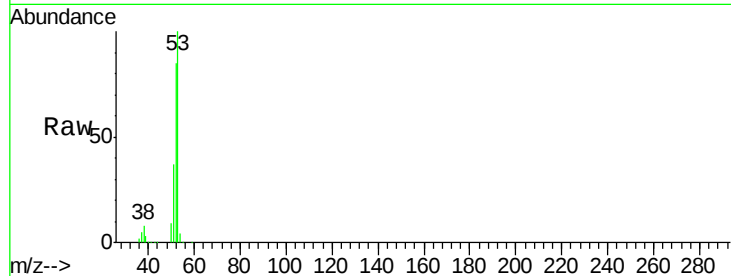
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	339852
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.1	100.7
51	35.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 208.84 ug/l

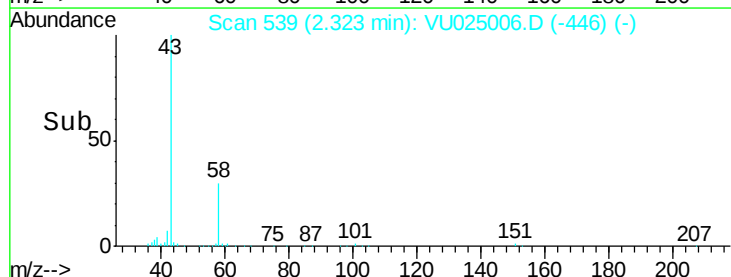
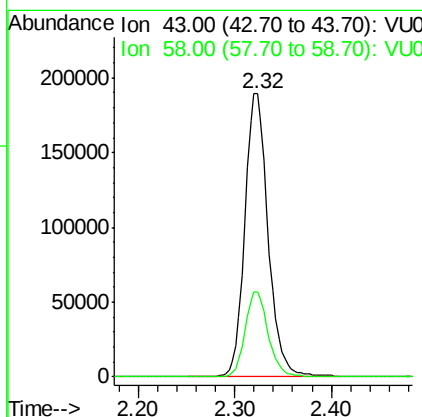
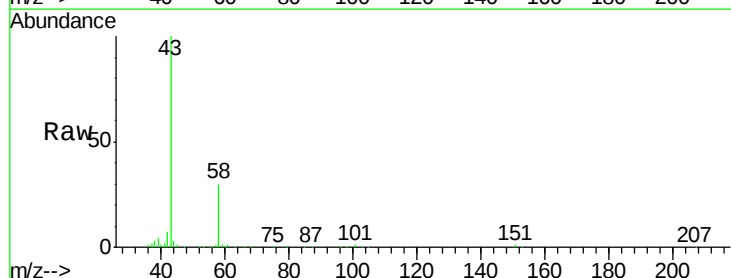
RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	43	Resp:	315821
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.4	36.6





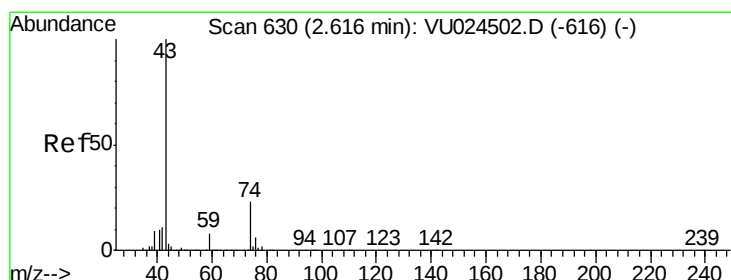
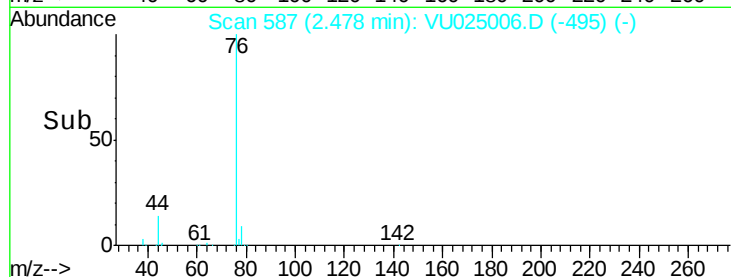
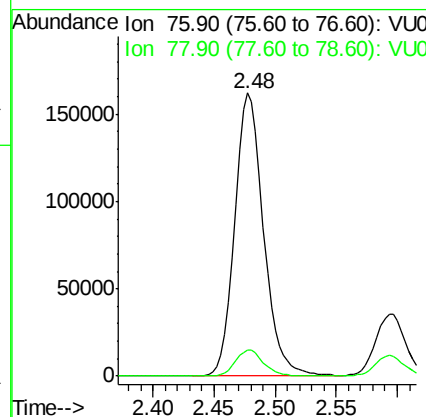
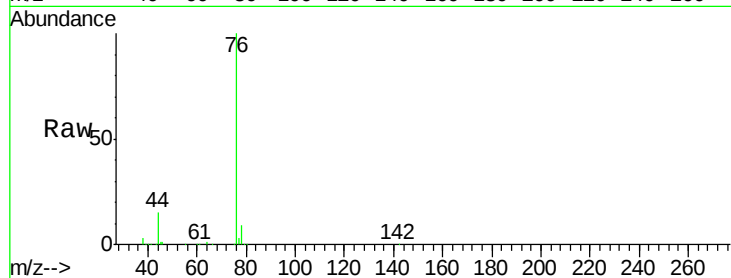
#17
Carbon Disulfide
Concen: 42.53 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

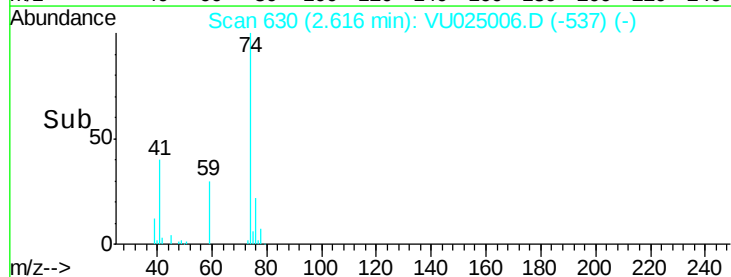
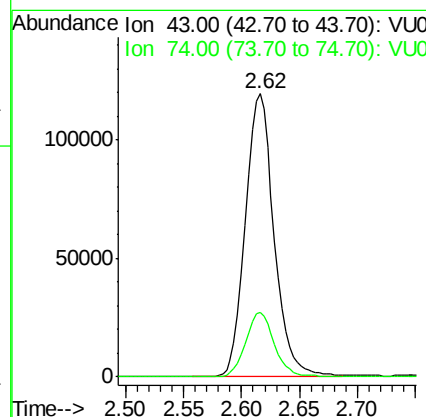
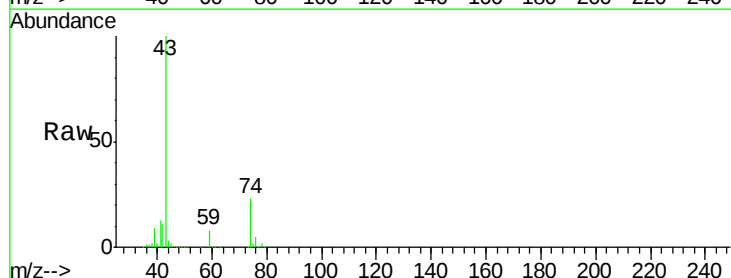
Manual Integrations
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#18
Methyl Acetate
Concen: 63.21 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.0	27.0





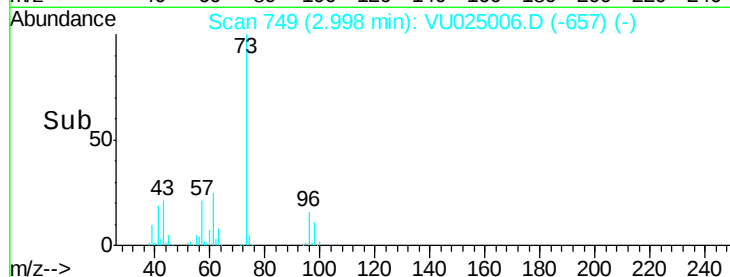
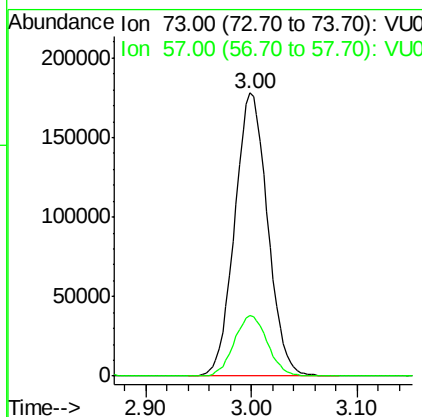
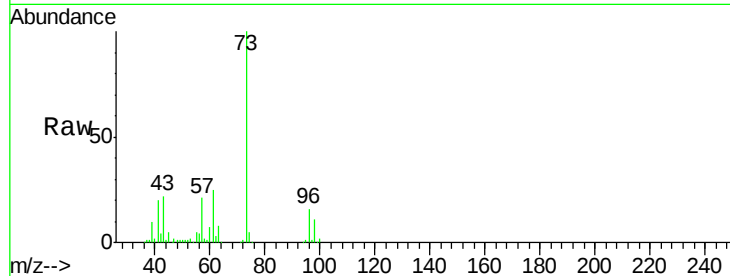
#19
Methvl tert-butvl Ether
Concen: 52.22 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

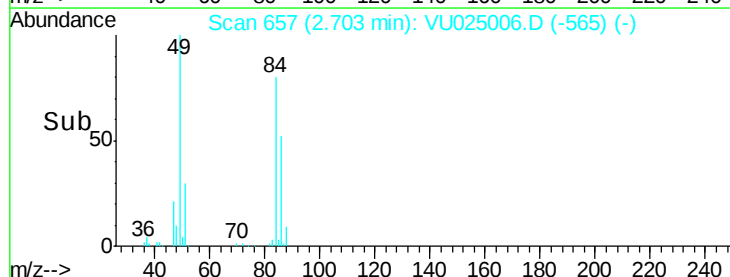
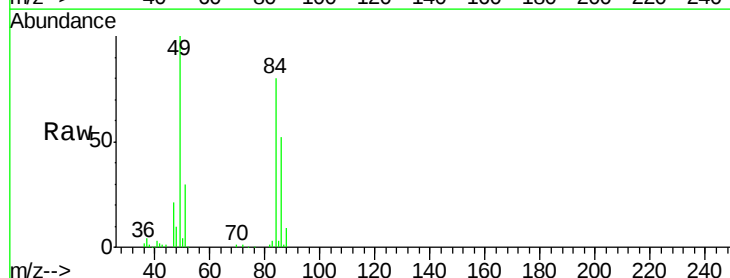
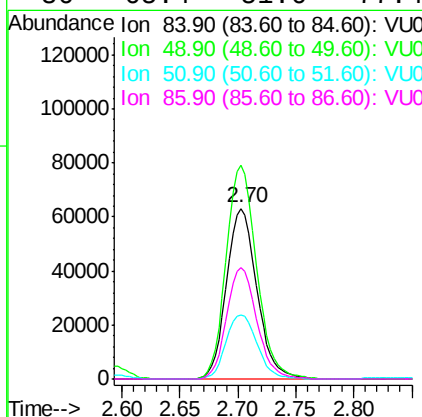
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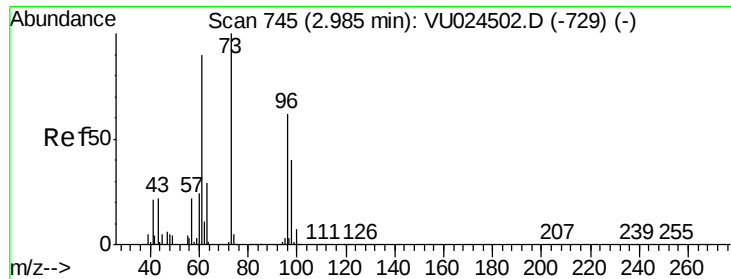
MMDadoda
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#20
Methylene Chloride
Concen: 48.35 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	103.8	155.8
51	37.8	32.0	48.0
86	65.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.28 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

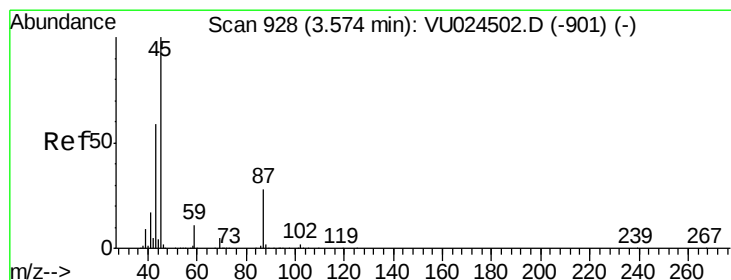
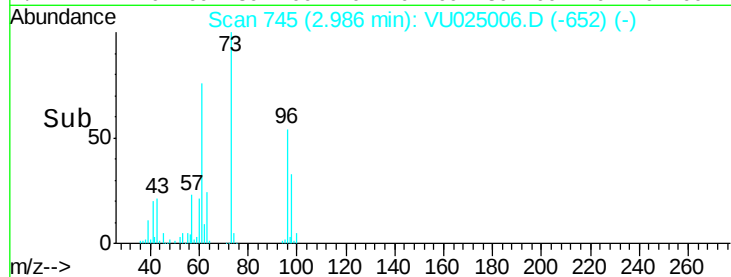
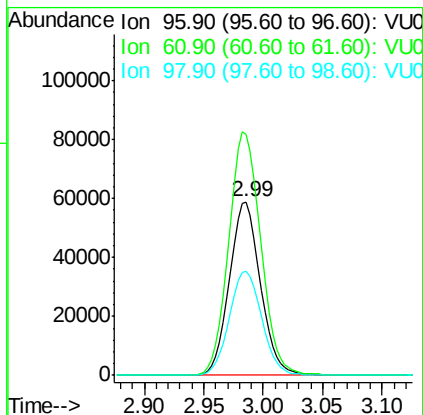
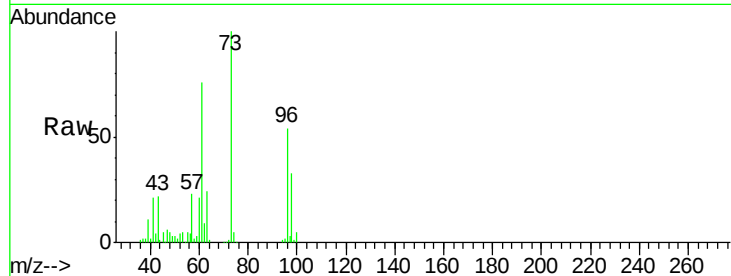
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106548
Ion Ratio	Lower	Upper	
96	100		
61	139.4	119.4	179.0
98	60.2	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.88 ug/l

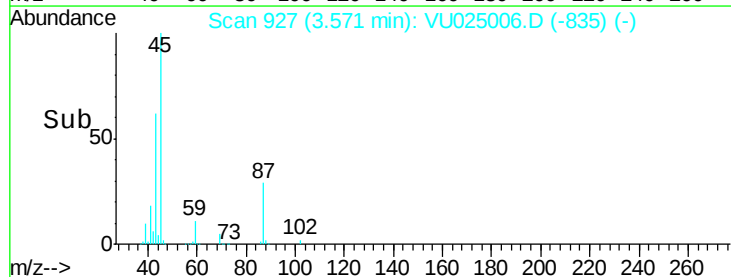
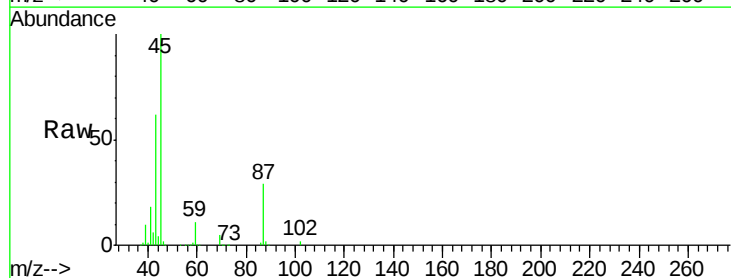
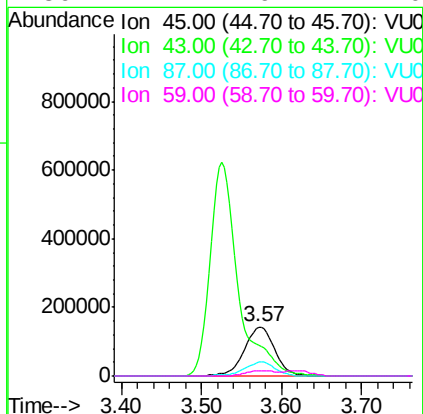
RT: 3.57 min Scan# 927

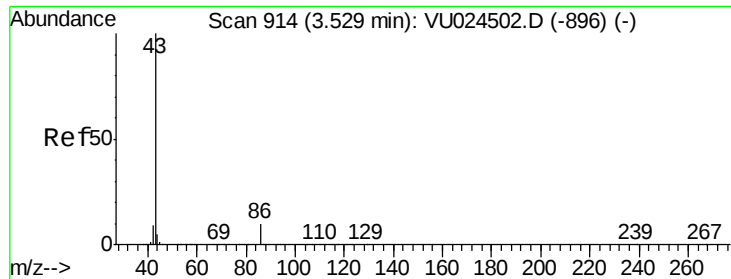
Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	45	Resp:	367664
Ion Ratio	Lower	Upper	
45	100		
43	61.2	45.8	68.6
87	28.4	20.6	31.0
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 235.28 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1522846

Ion Ratio Lower Upper

43 100

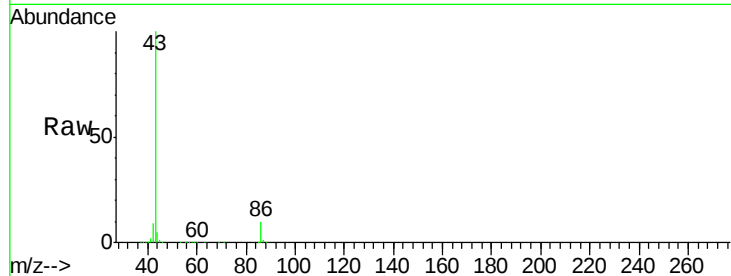
86 10.4 7.8 11.8

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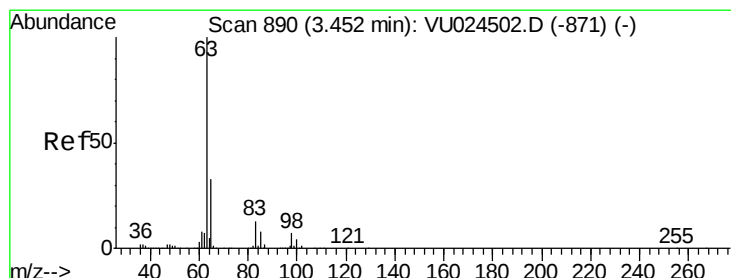
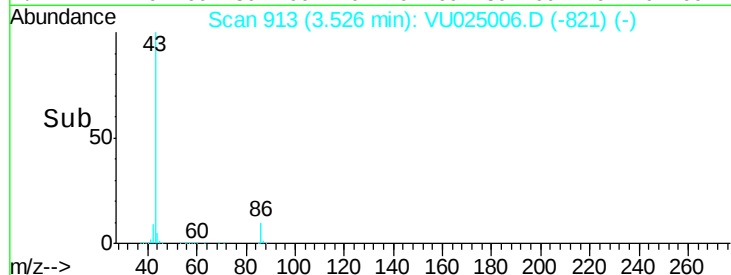
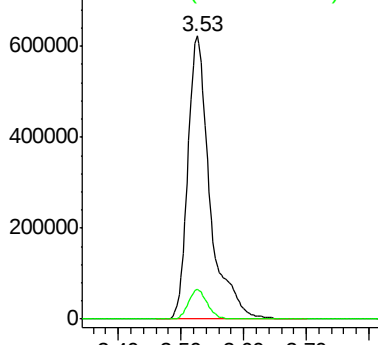
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.73 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

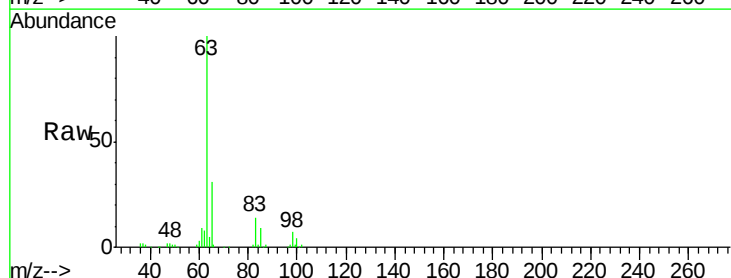
Tgt Ion: 63 Resp: 210874

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

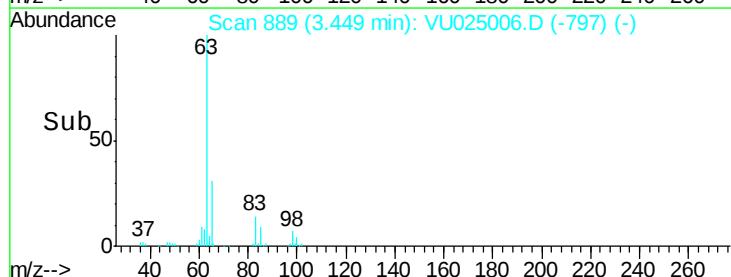
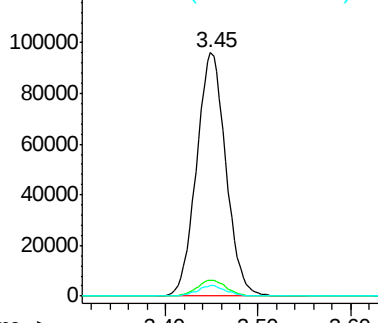
100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 243.08 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 493779

Ion Ratio Lower Upper

43 100

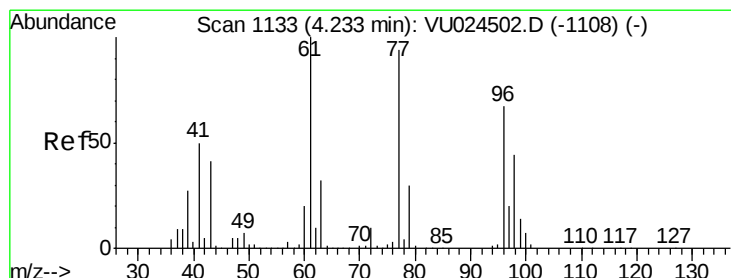
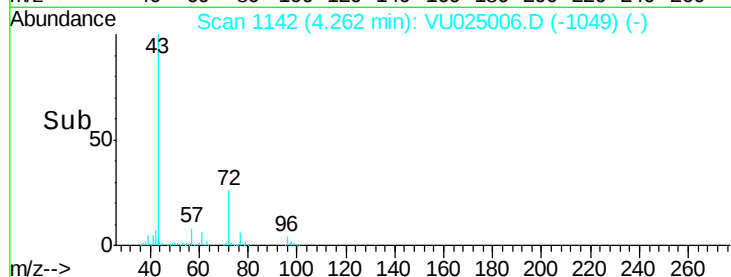
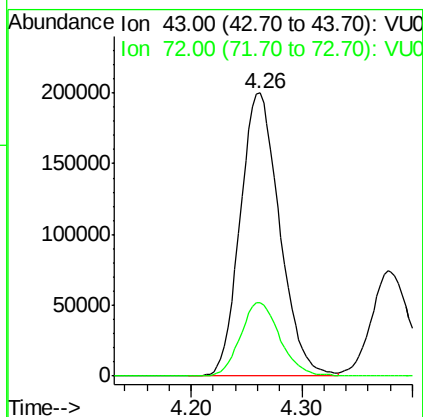
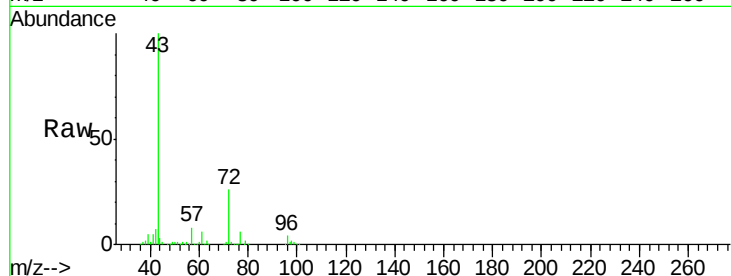
72 26.2 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 33.47 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025006.D

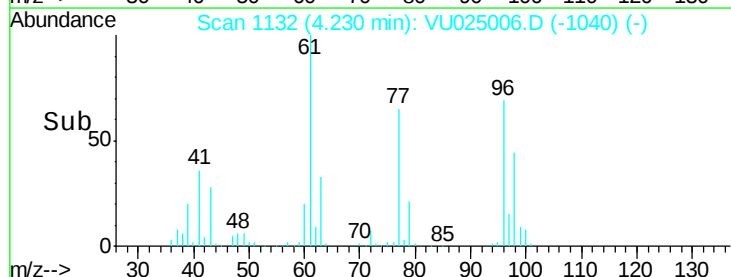
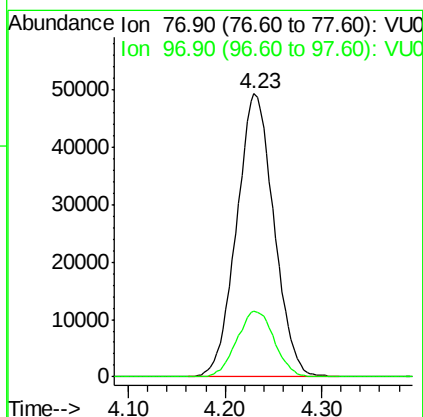
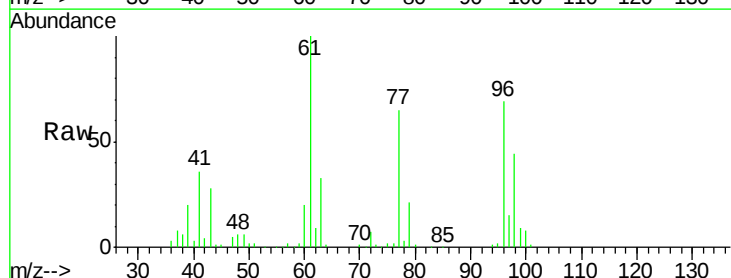
Acq: 28 Jun 2018 07:48

Tgt Ion: 77 Resp: 132099

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 51.20 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

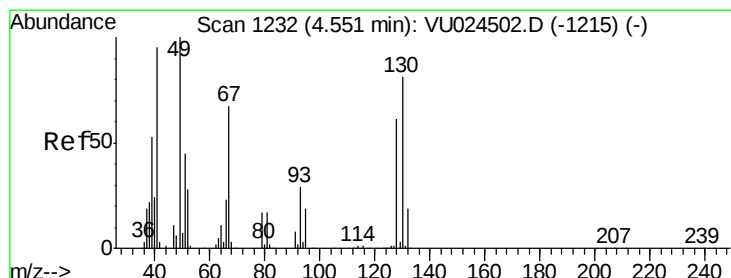
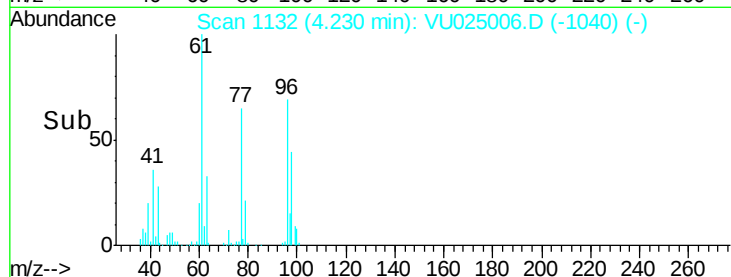
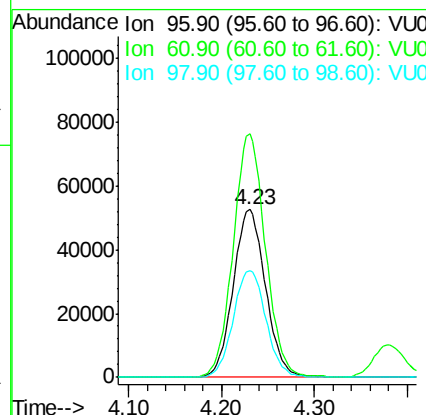
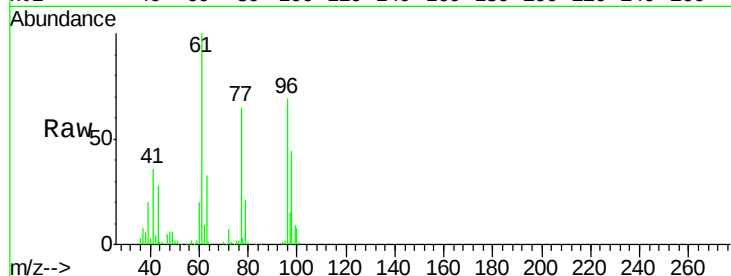
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	127266
Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	306.6
98	64.4	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.64 ug/l

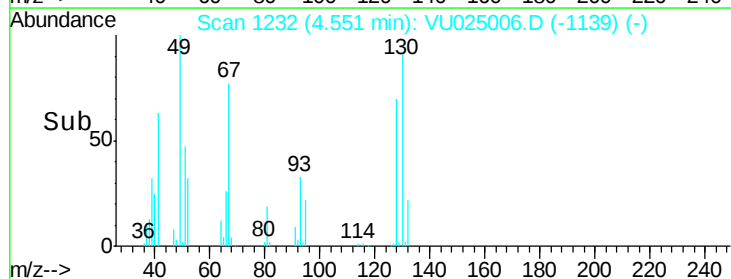
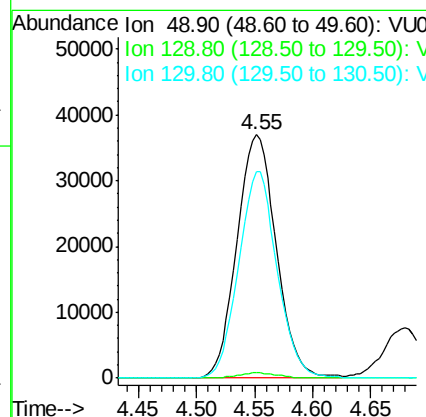
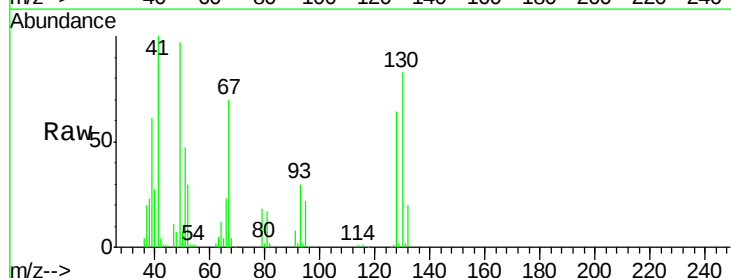
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	49	Resp:	87230
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.9	57.8	86.6





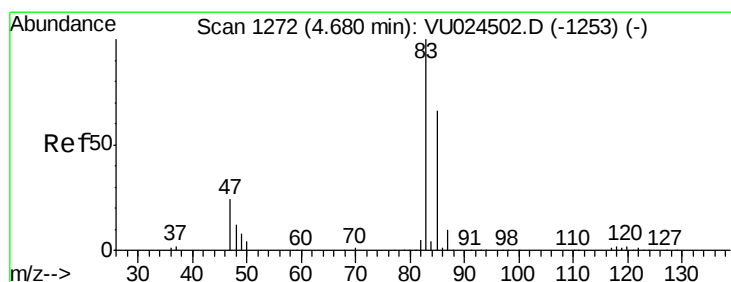
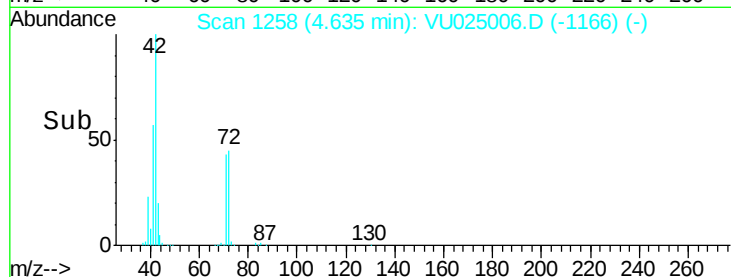
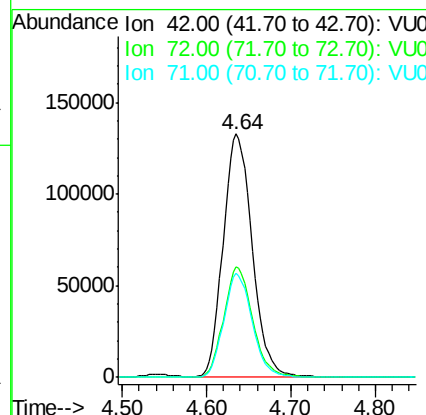
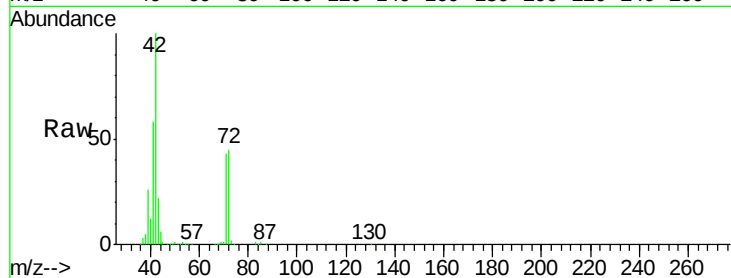
#29
Tetrahydrofuran
Concen: 251.30 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	42.0	32.2	48.4

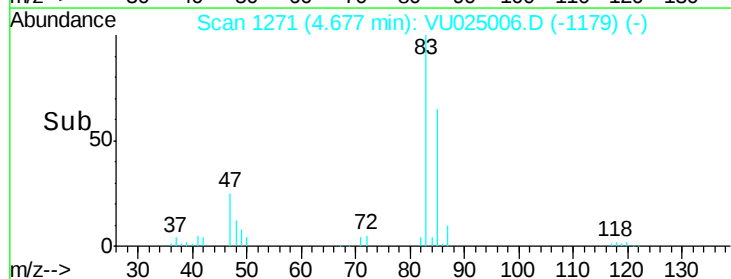
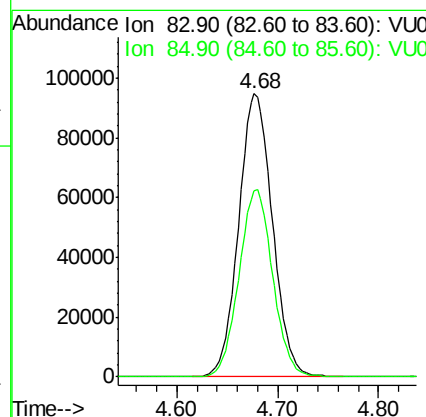
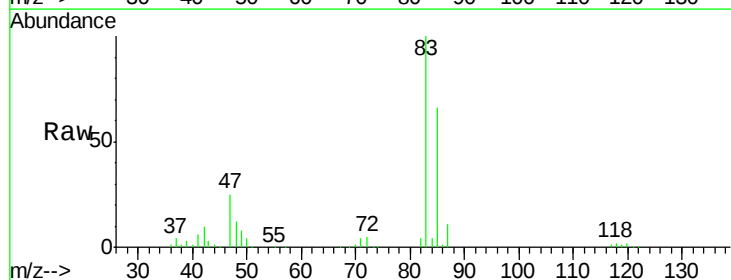
Manual Integrations
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#30
Chloroform
Concen: 52.31 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





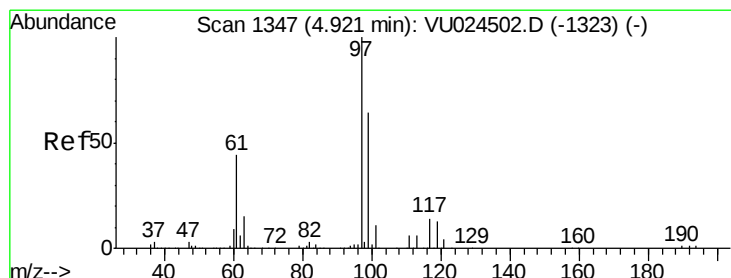
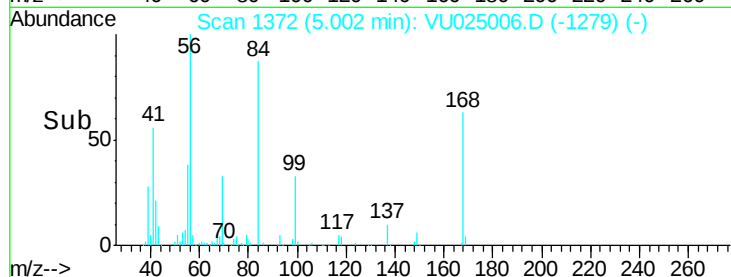
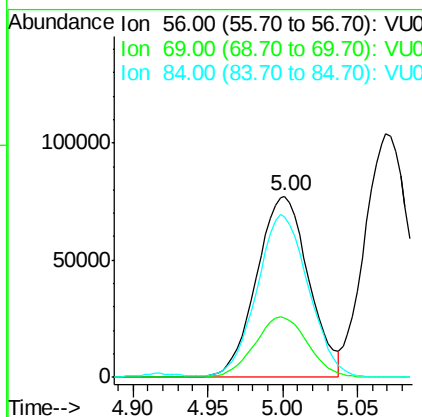
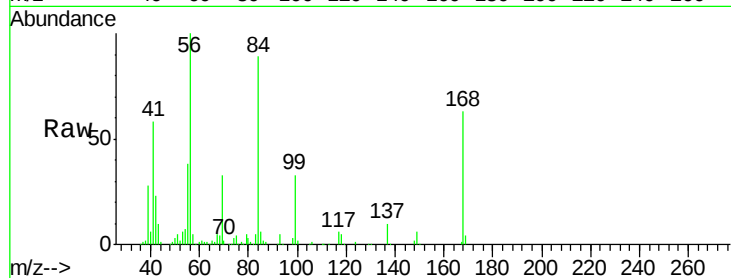
#31
Cyclohexane
Concen: 50.69 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.8	37.2
84	87.9	65.2	97.8

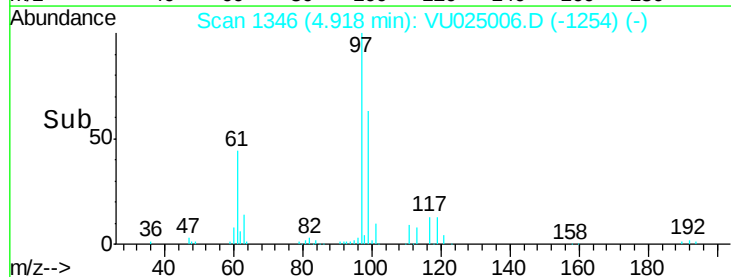
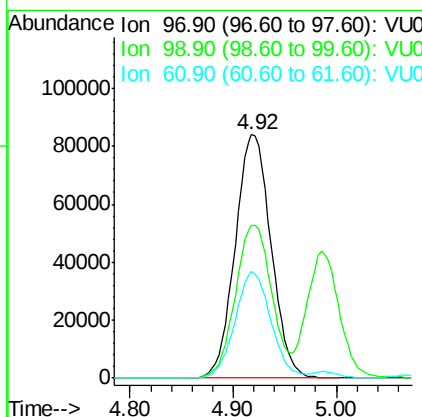
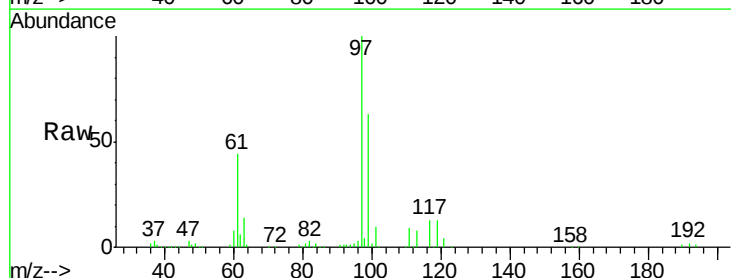
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 52.25 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	43.6	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 48.68 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 136999

Ion Ratio Lower Upper

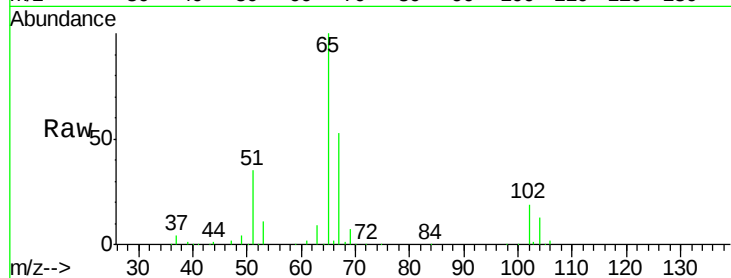
65 100

67 52.2 0.0 107.0

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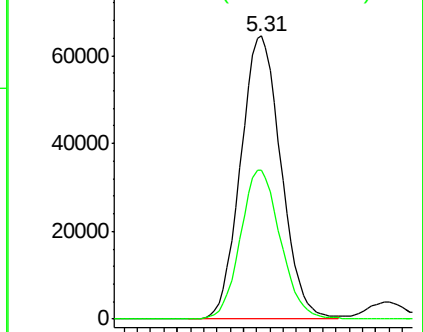
MMDadoda

6/28/2018 4:37:06 PM

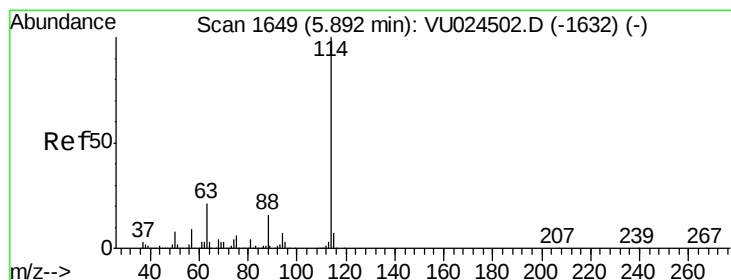
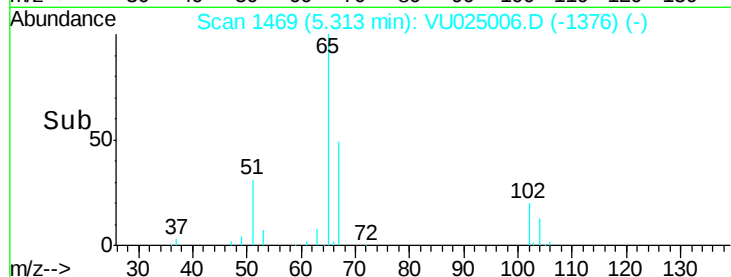


Abundance Ion 64.90 (64.60 to 65.60): VU025006.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025006.D (-1376) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

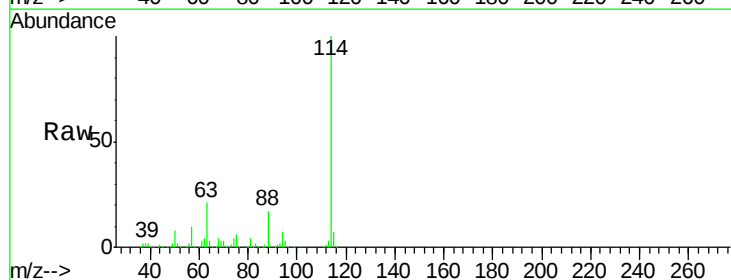
Tgt Ion: 114 Resp: 269151

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

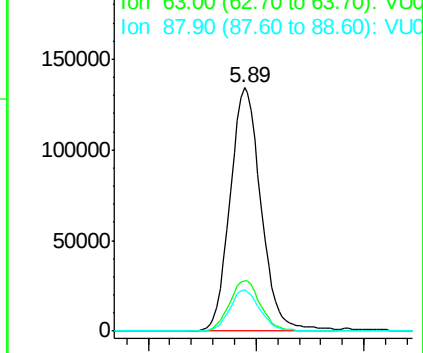
88 16.8 0.0 31.0



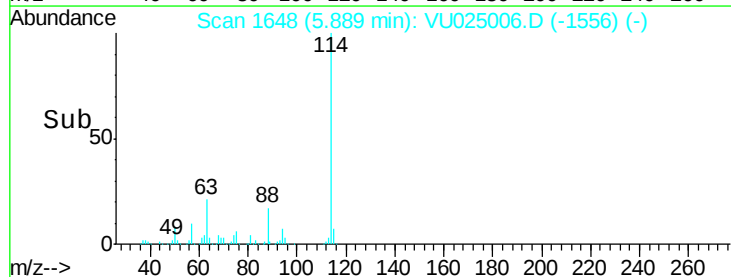
Abundance Ion 113.90 (113.60 to 114.60): VU025006.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU025006.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU025006.D (-1556) (-)



Time-->





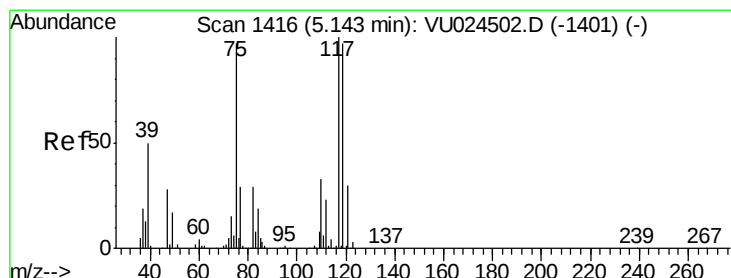
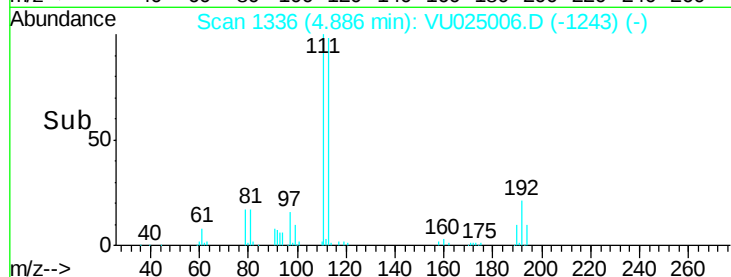
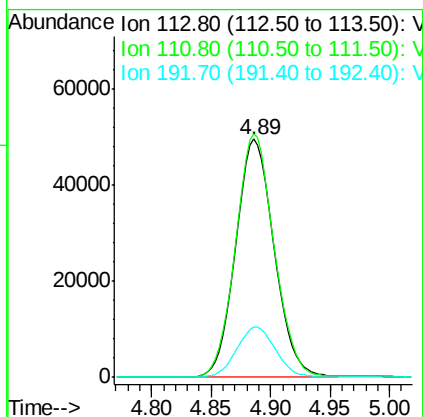
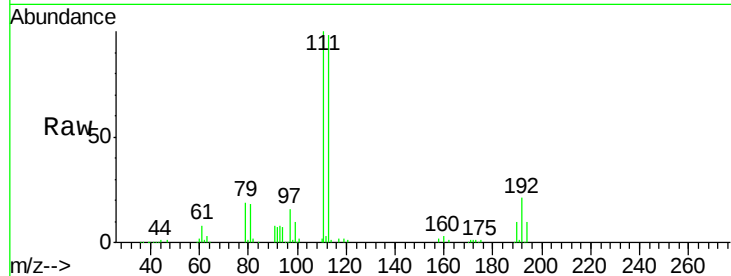
#35
 Dibromofluoromethane
 Concen: 49.78 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111188		
111	102.4	82.2	123.4	
192	21.3	16.2	24.4	

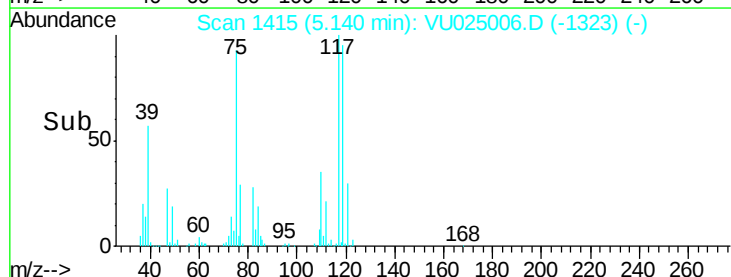
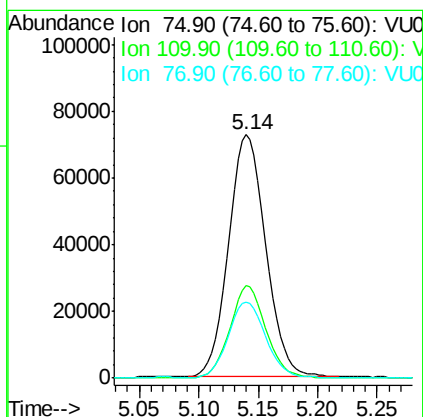
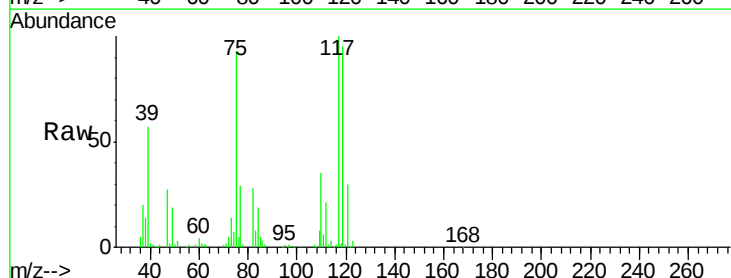
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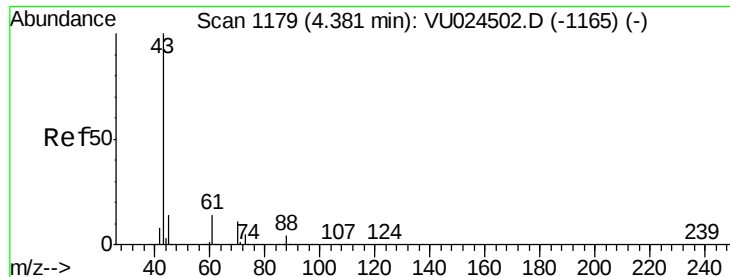
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#36
 1,1-Dichloropropene
 Concen: 49.53 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	156656		
110	37.2	17.0	50.9	
77	31.5	24.2	36.4	





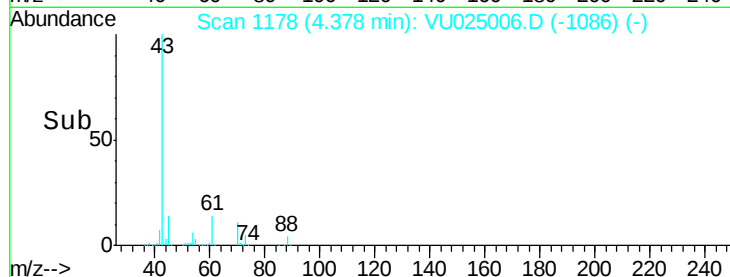
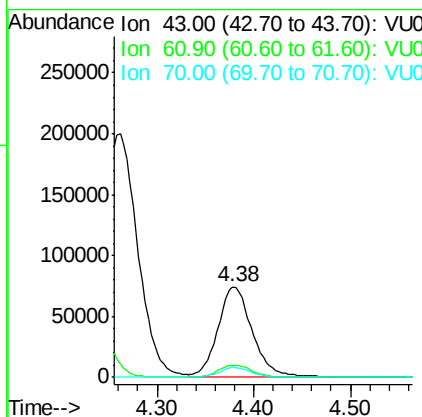
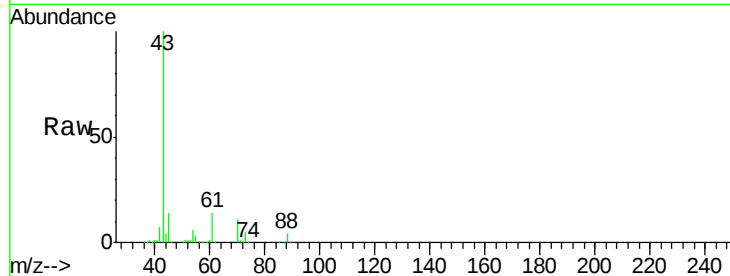
#37
Ethyl Acetate
Concen: 52.58 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.8	7.4	11.2

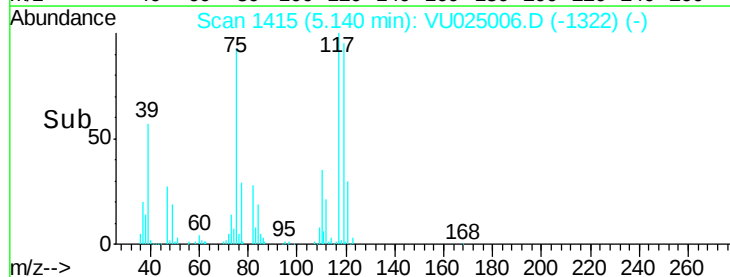
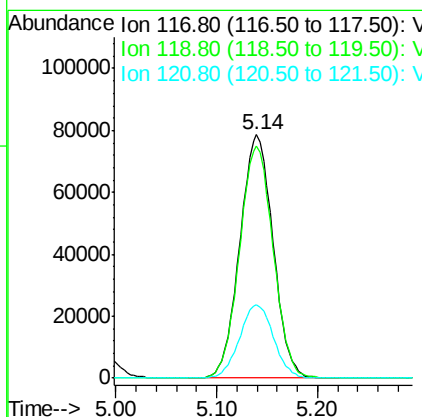
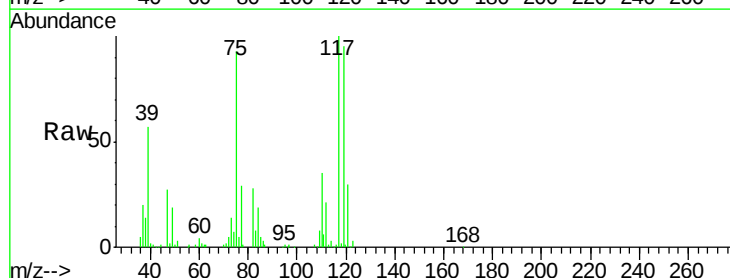
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 51.54 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	30.1	23.7	35.5





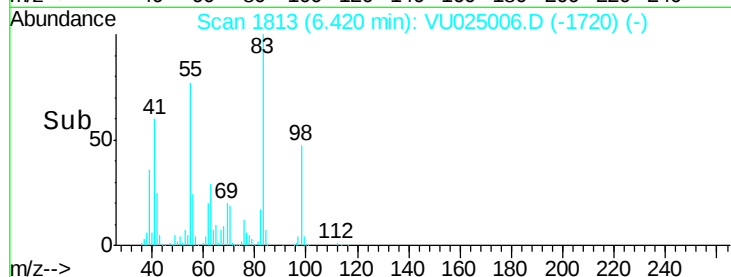
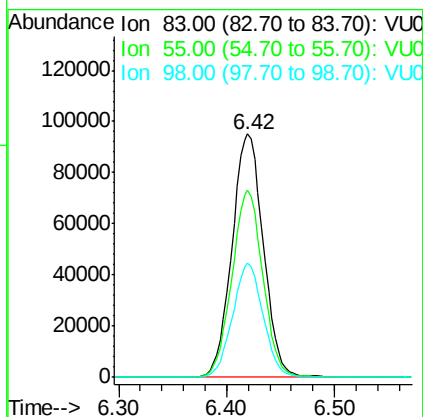
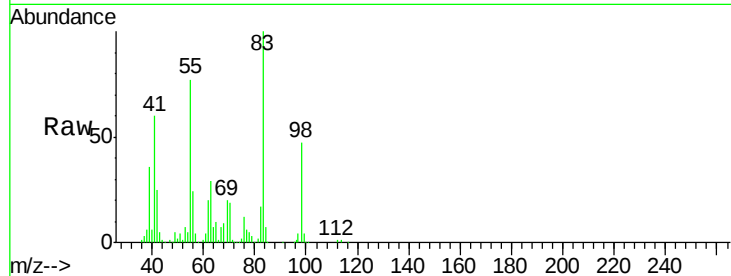
#39
Methvlcvclohexane
Concen: 48.86 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	65.8	98.6
98	47.0	36.7	55.1

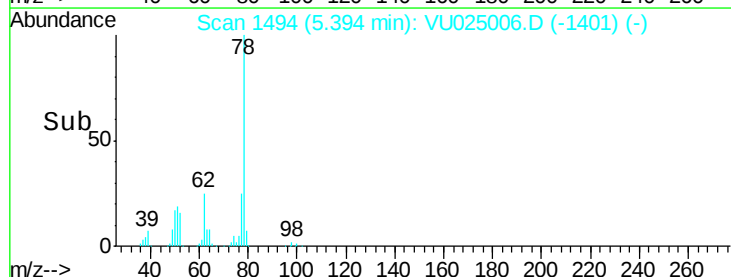
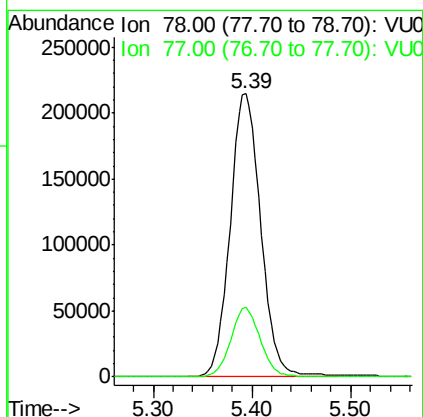
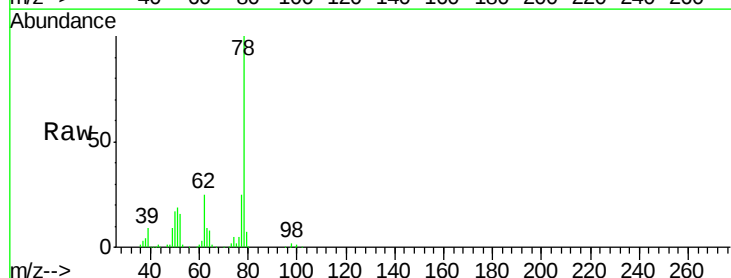
Manual Integrations
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#40
Benzene
Concen: 51.53 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





#41

Methacrylonitrile

Concen: 54.83 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 101912

Ion Ratio Lower Upper

41 100

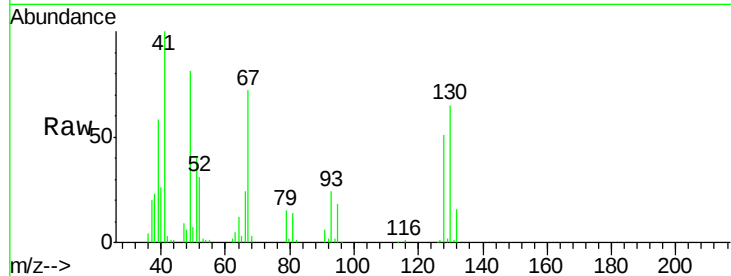
39 57.8 43.8 65.6

67 70.7 56.3 84.5

52 29.7 23.2 34.8

Manual Integrations
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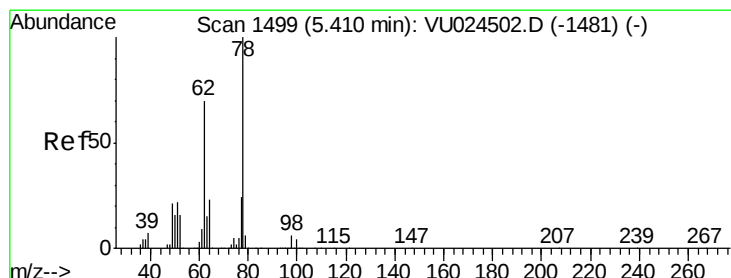
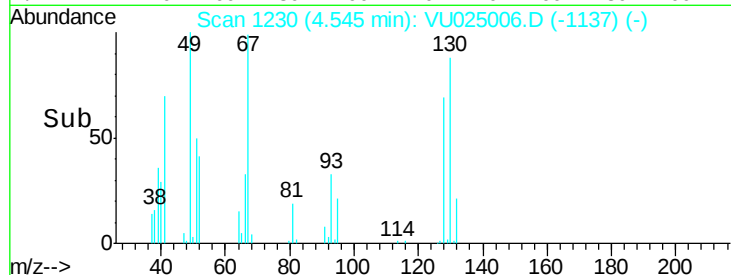
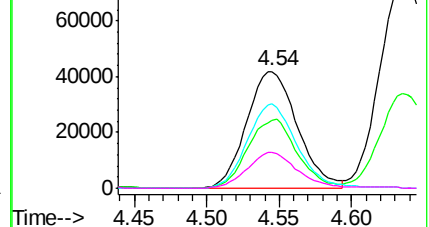


Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1214) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1214) (-)

Ion 67.00 (66.70 to 67.70): VU024502.D (-1214) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-1214) (-)



#42

1,2-Dichloroethane

Concen: 56.32 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025006.D

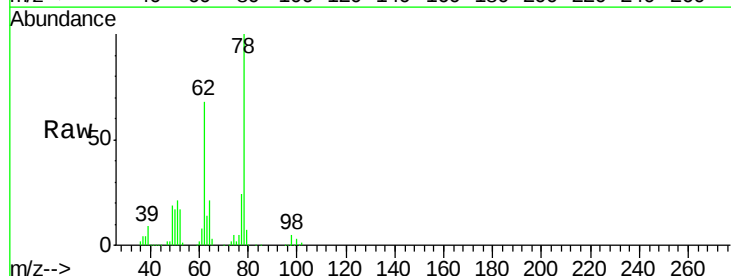
Acq: 28 Jun 2018 07:48

Tgt Ion: 62 Resp: 193295

Ion Ratio Lower Upper

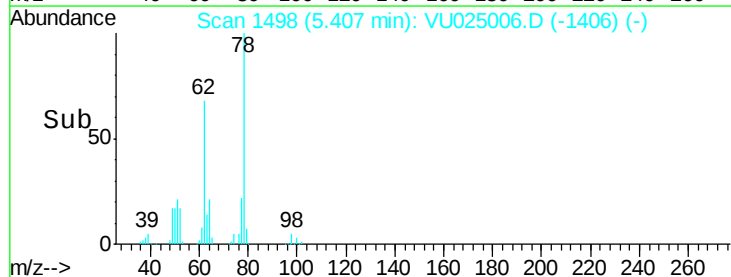
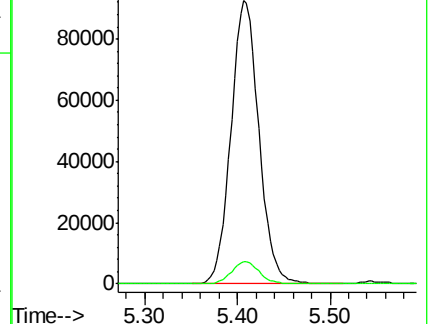
62 100

98 7.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)





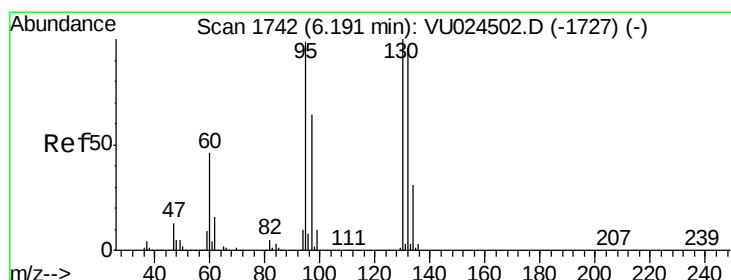
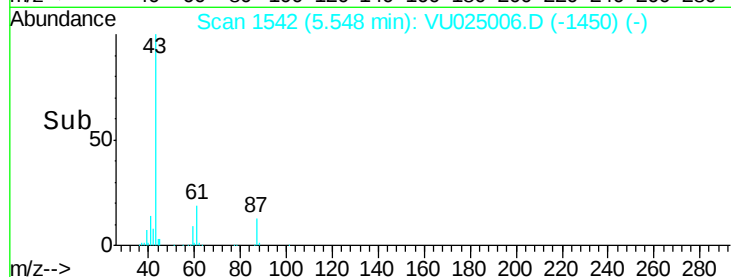
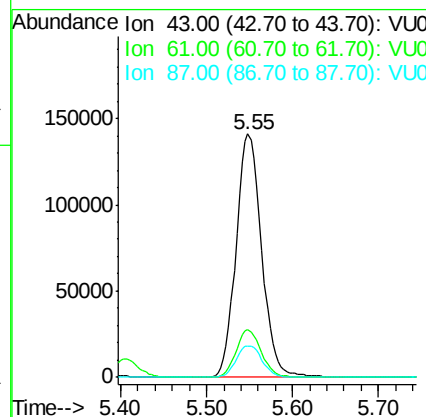
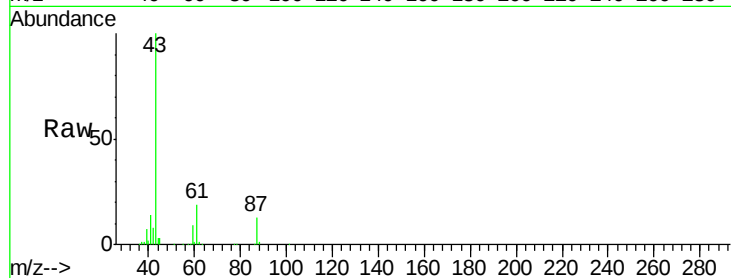
#43
Isopropyl Acetate
Concen: 48.64 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.4	10.0	15.0

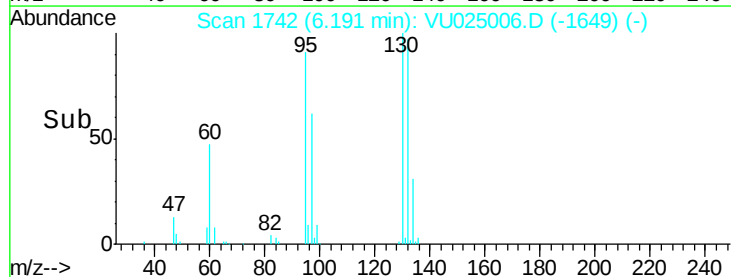
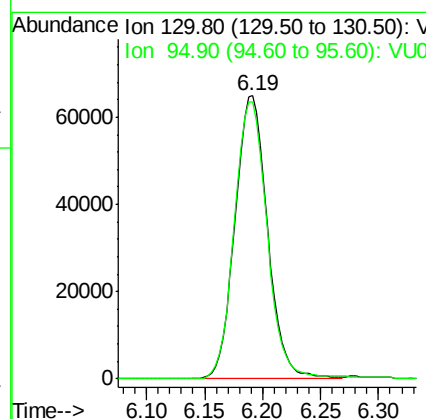
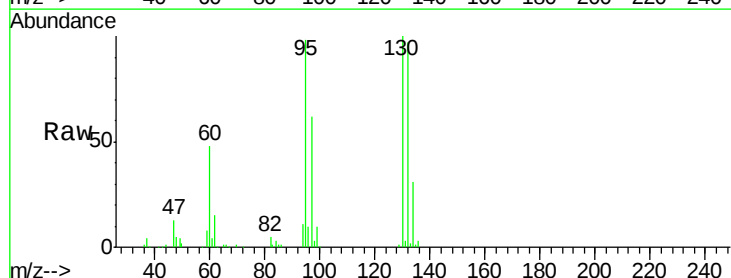
Manual Integrations
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#44
Trichloroethene
Concen: 49.36 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	202.4





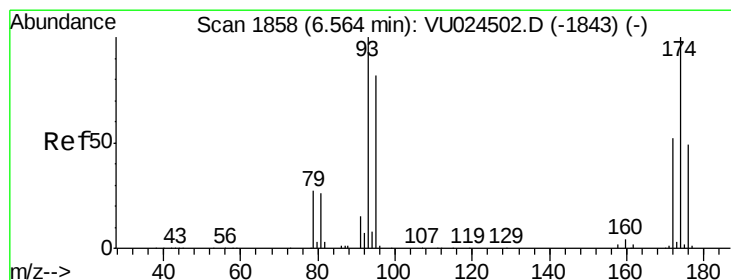
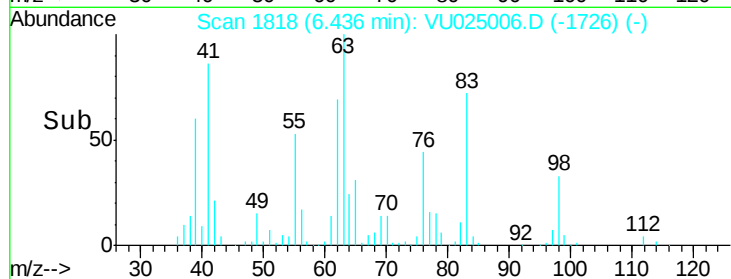
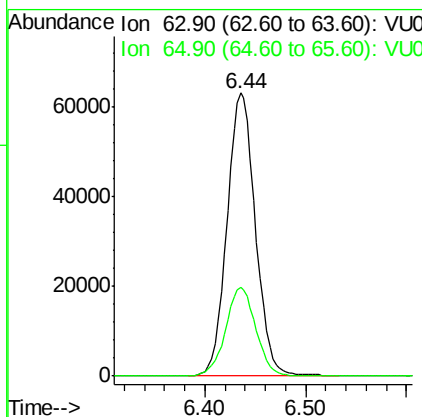
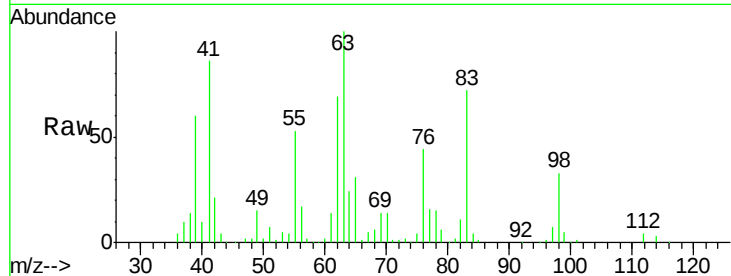
#45
 1,2-Dichloropropane
 Concen: 51.55 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123948
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2

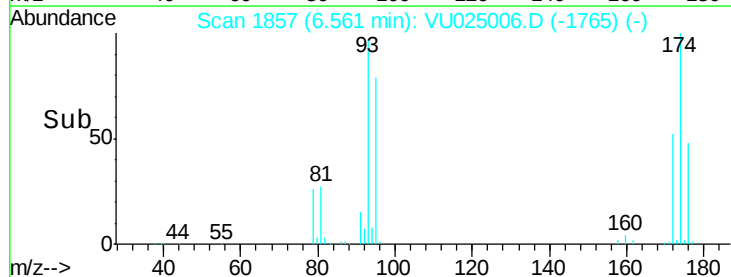
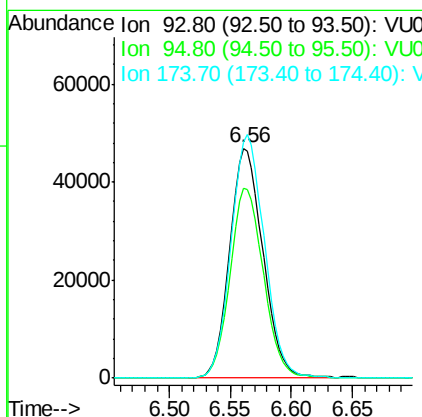
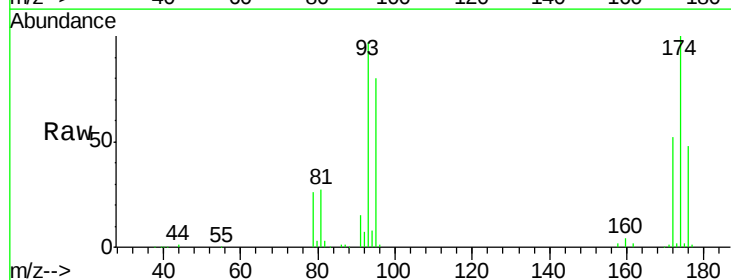
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#46
 Dibromomethane
 Concen: 52.94 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion: 93 Resp: 89416
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.5 98.3
 174 105.9 78.7 118.1





#47

Bromodichloromethane

Concen: 50.85 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

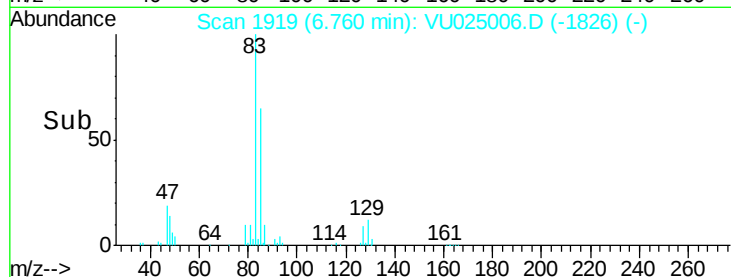
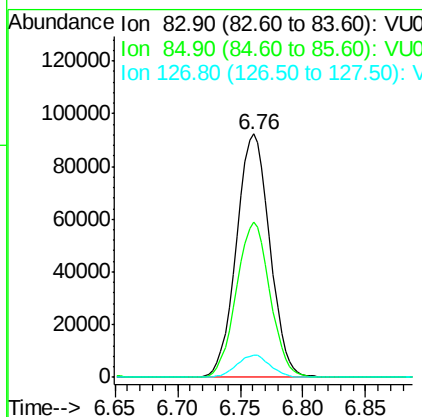
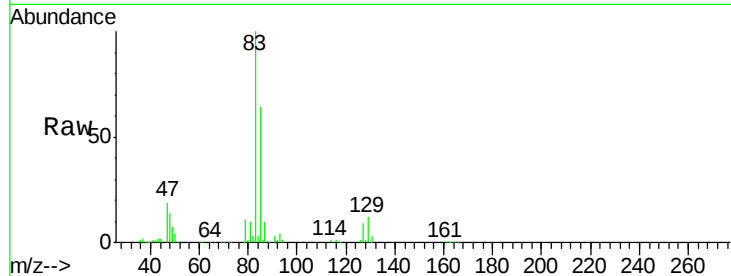
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	171033
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.9	77.9
127	9.2	6.6	9.8

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#48

Methyl methacrylate

Concen: 52.60 ug/l

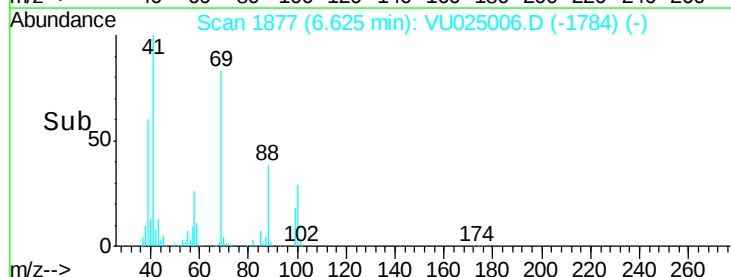
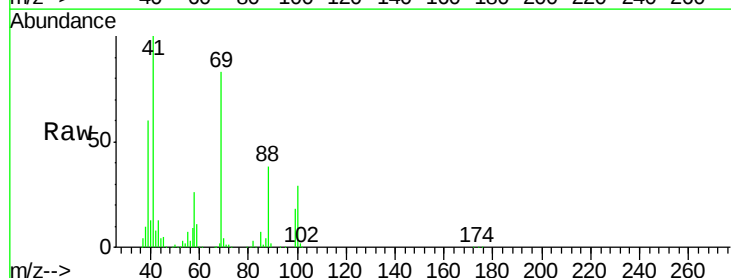
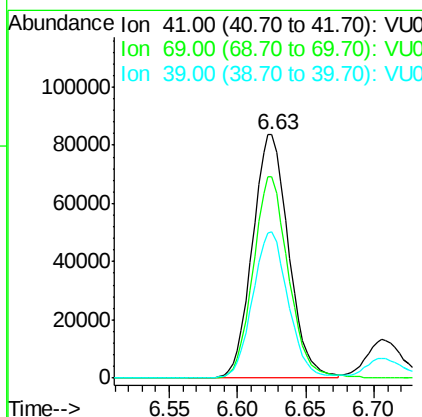
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	41	Resp:	152617
Ion Ratio	Lower	Upper	
41	100		
69	81.4	67.3	100.9
39	59.2	46.5	69.7





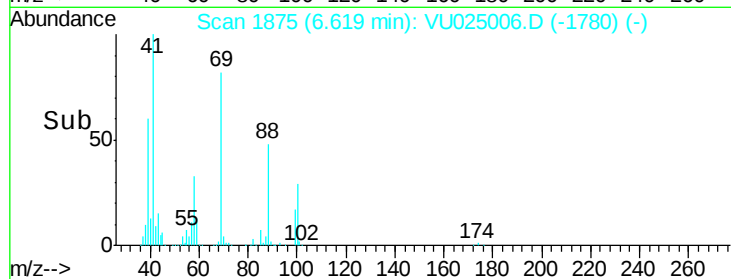
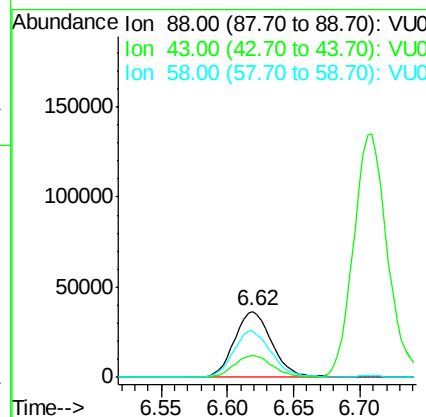
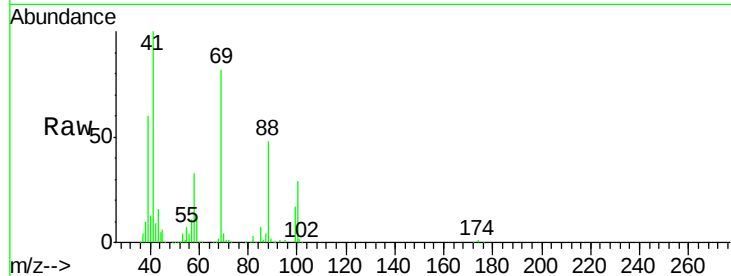
#49
 1,4-Dioxane
 Concen: 1255.00 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	28.6	42.8
58	71.7	58.2	87.4

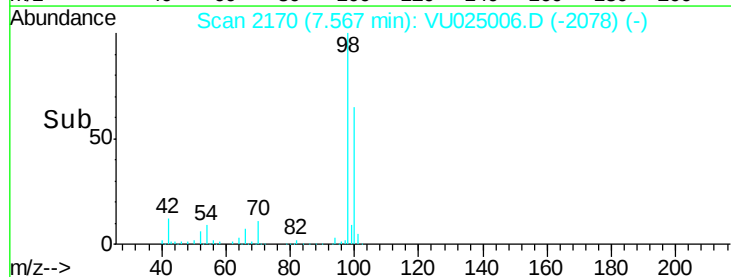
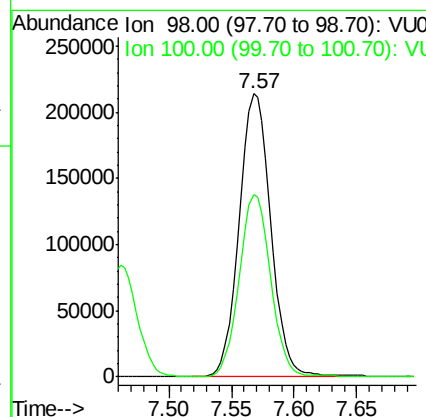
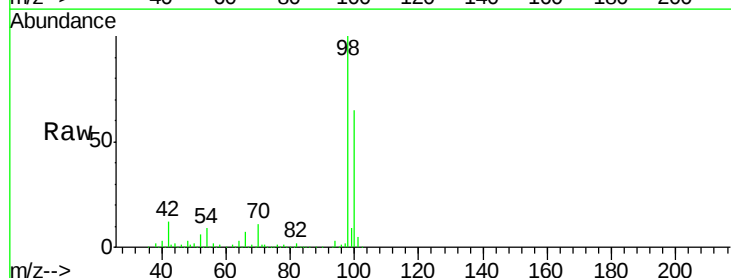
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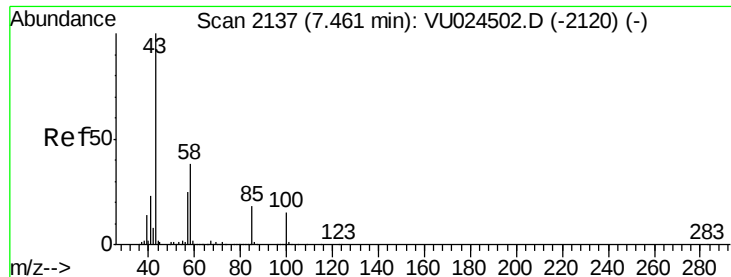
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#50
 Toluene-d8
 Concen: 46.11 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 254.88 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 954152

Ion Ratio Lower Upper

43 100

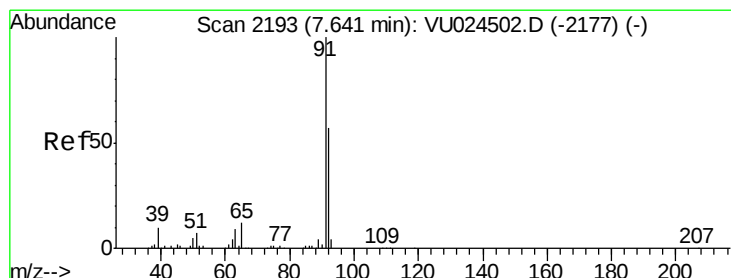
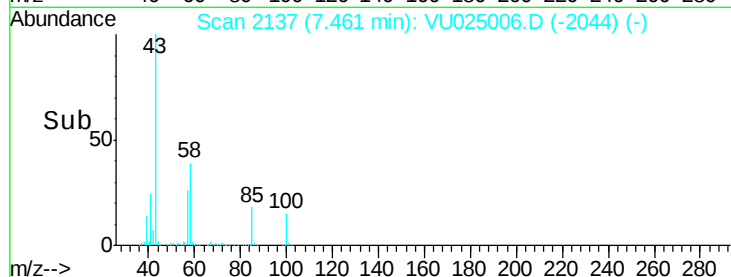
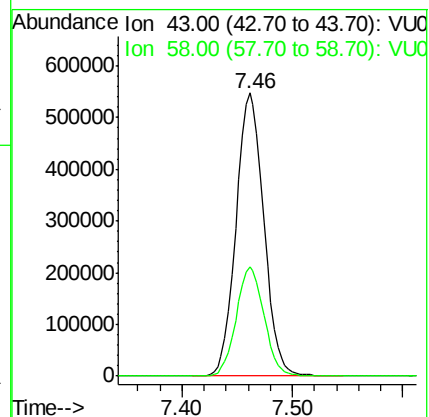
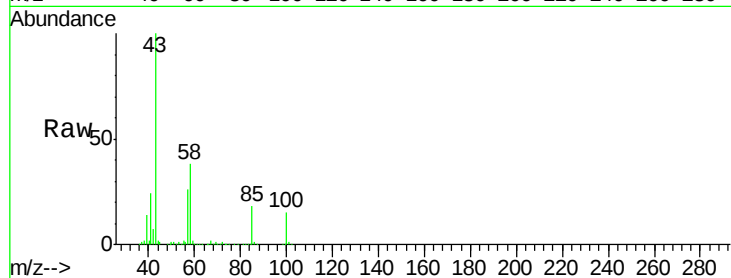
58 38.6 30.0 45.0

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#52

Toluene

Concen: 51.96 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025006.D

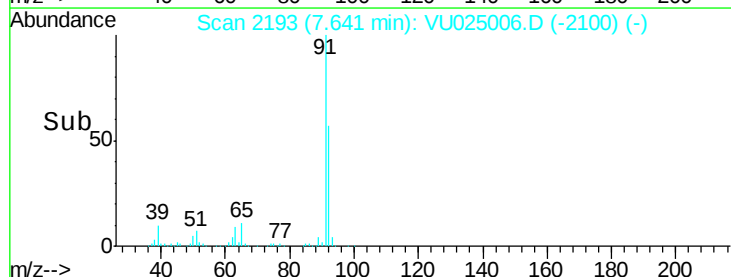
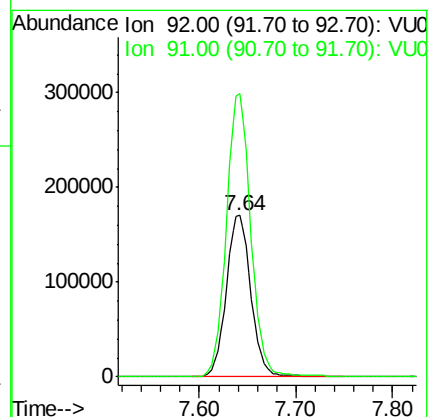
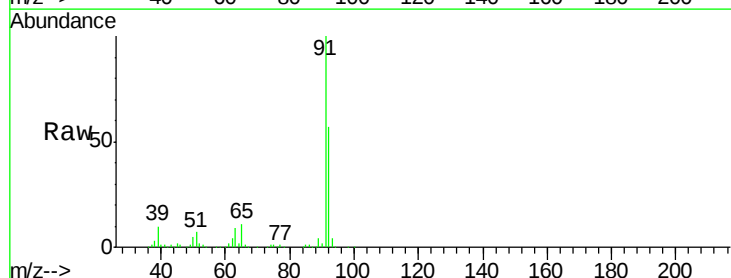
Acq: 28 Jun 2018 07:48

Tgt Ion: 92 Resp: 301263

Ion Ratio Lower Upper

92 100

91 173.7 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 46.38 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 175188

Ion Ratio Lower Upper

75 100

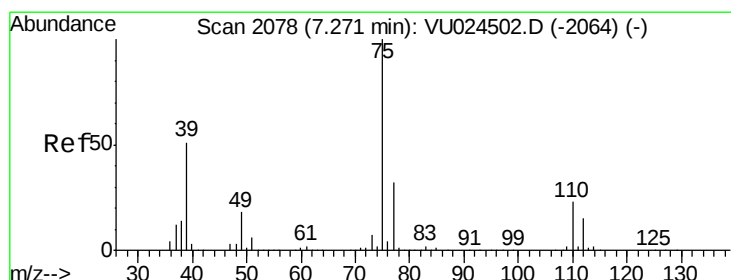
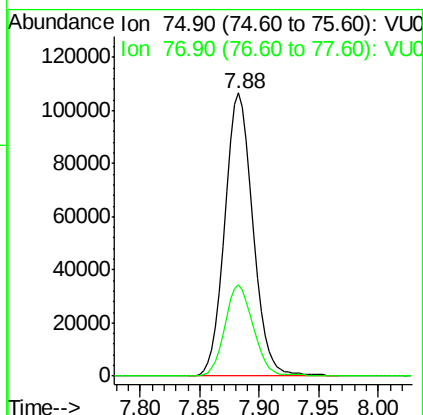
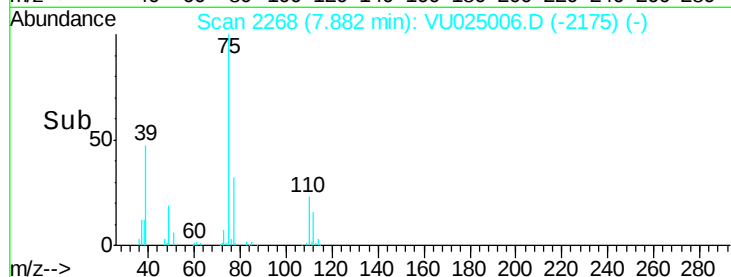
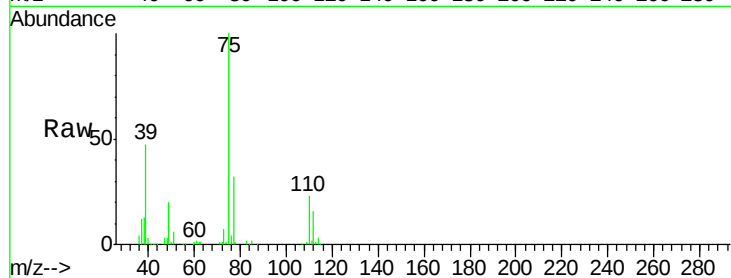
77 32.1 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 46.23 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

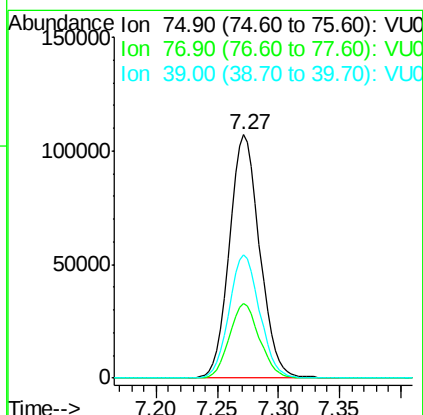
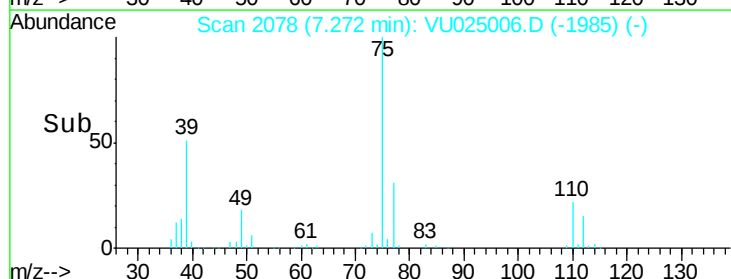
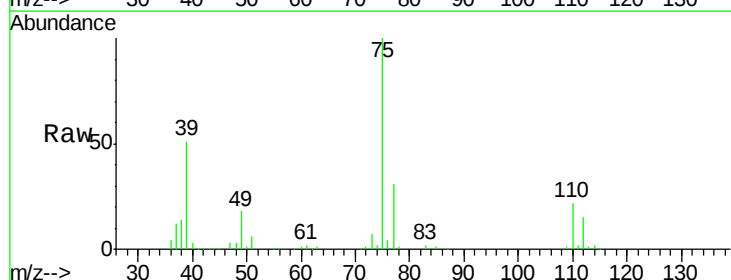
Tgt Ion: 75 Resp: 186060

Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 50.9 39.8 59.6





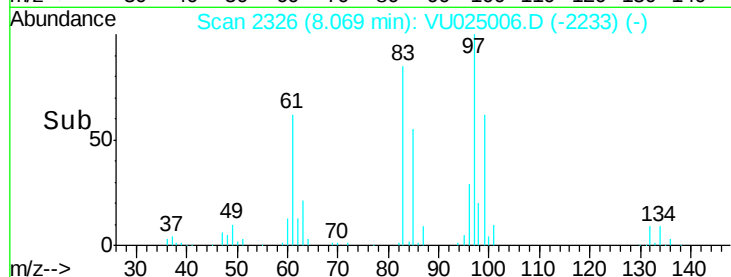
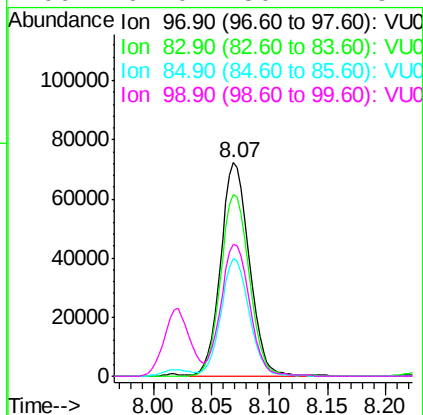
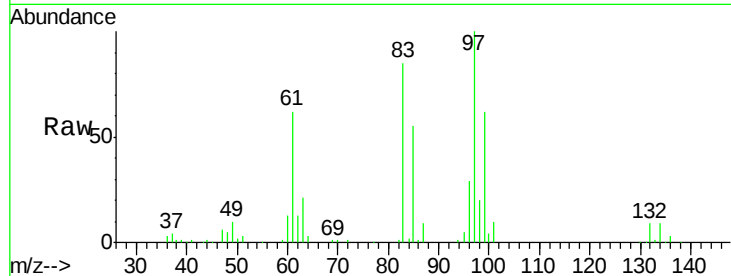
#55
 1,1,2-Trichloroethane
 Concen: 52.66 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	124103
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.5	105.7
85	54.9	46.4	69.6
99	62.0	50.2	75.2

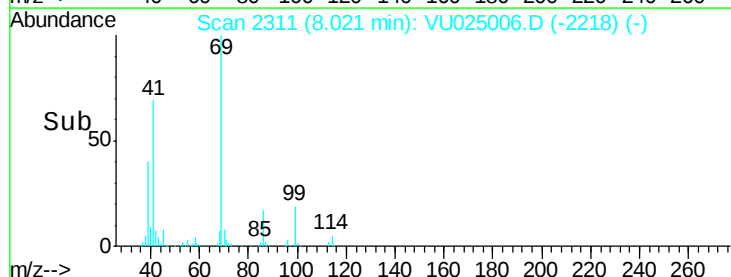
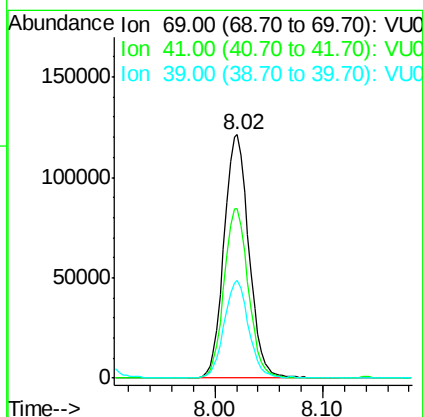
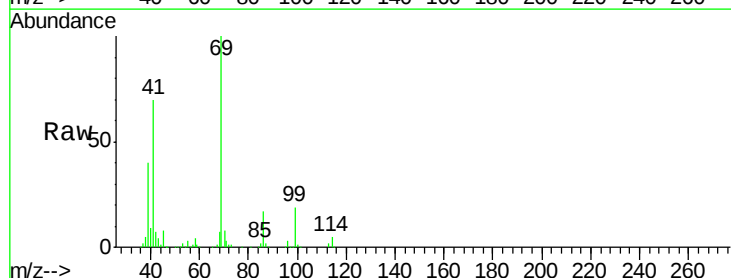
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#56
 Ethyl methacrylate
 Concen: 49.55 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion:	69	Resp:	195463
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	38.7	30.3	45.5





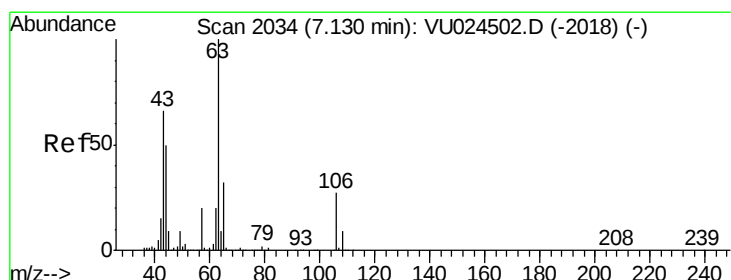
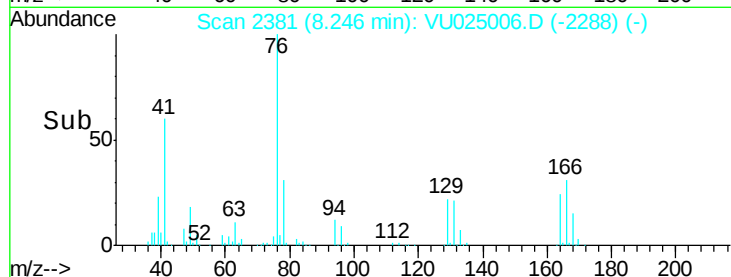
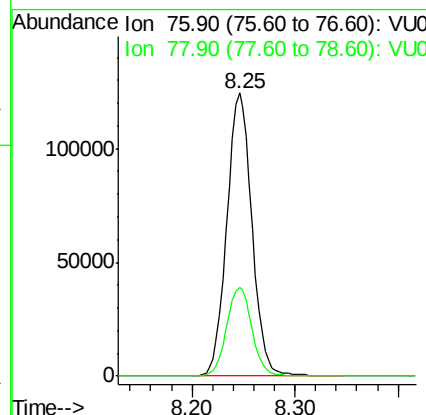
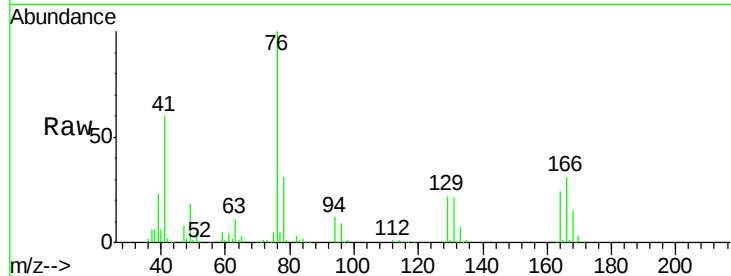
#57
 1,3-Dichloropropane
 Concen: 53.11 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 211171
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

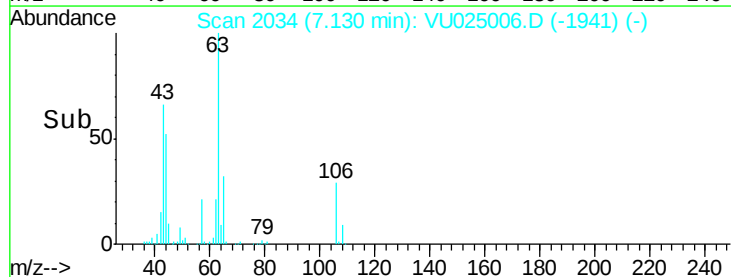
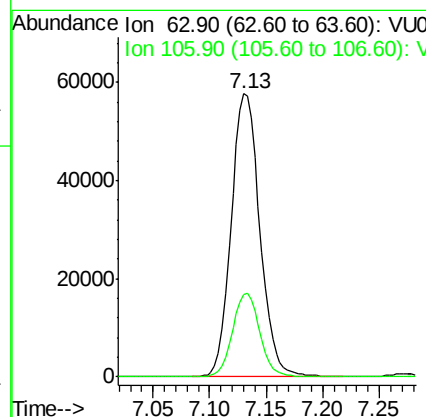
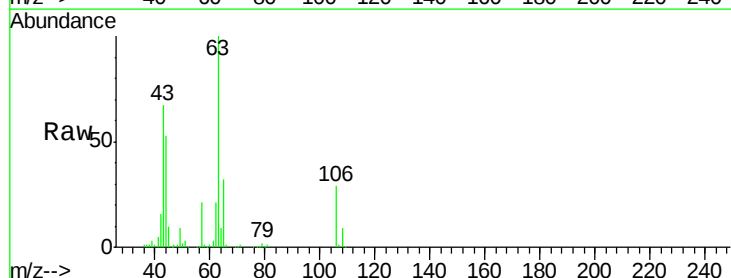
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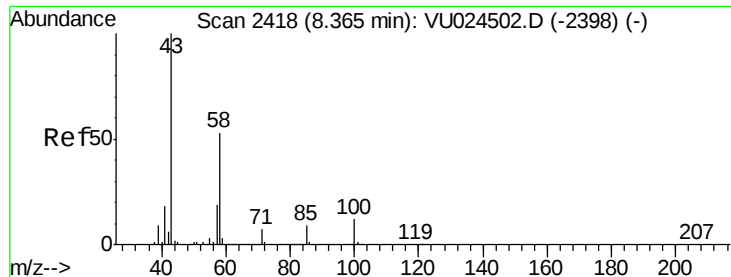
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#58
 2-Chloroethyl Vinyl ether
 Concen: 67.43 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion: 63 Resp: 101901
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.2 30.2





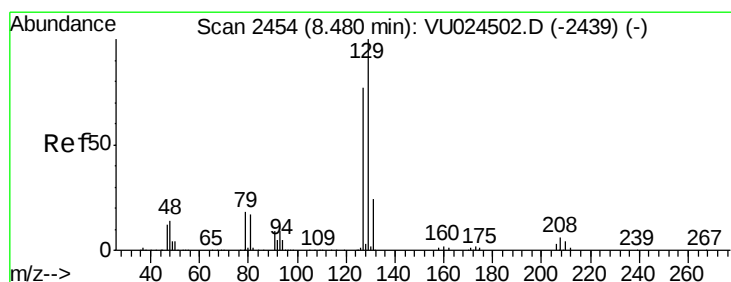
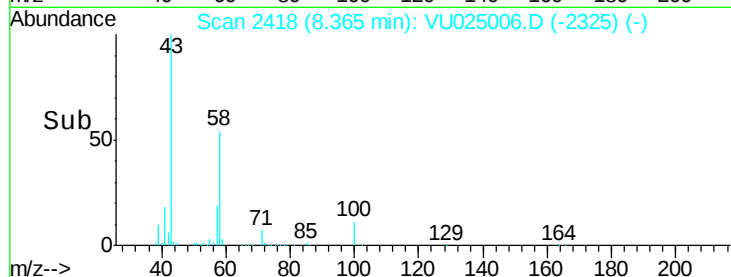
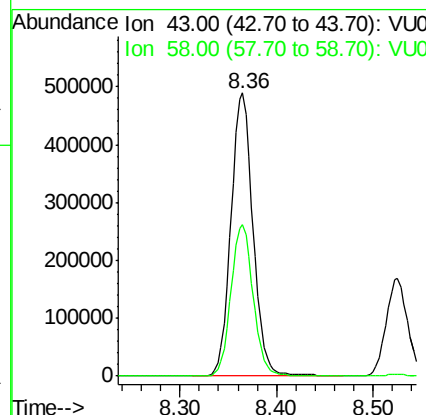
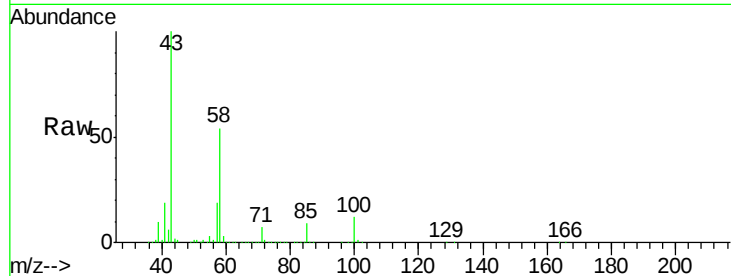
#59
2-Hexanone
Concen: 253.26 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 774002
Ion Ratio Lower Upper
43 100
58 54.0 26.4 79.0

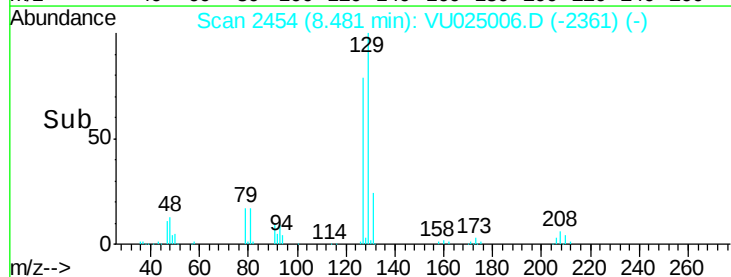
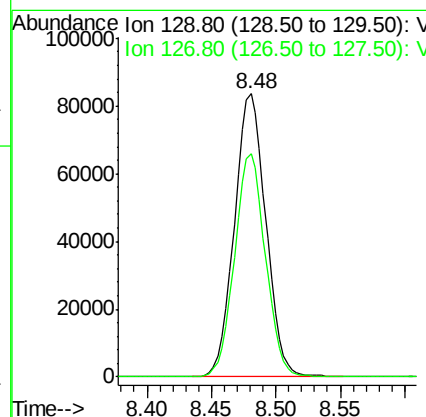
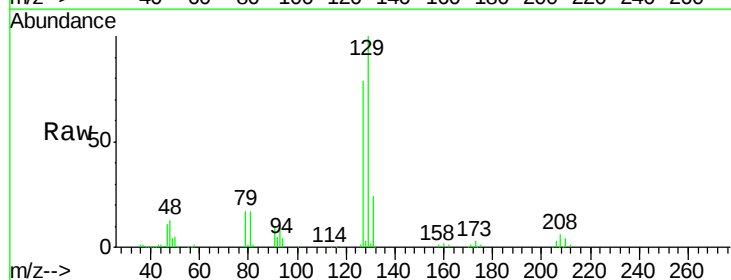
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#60
Dibromochloromethane
Concen: 48.16 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion: 129 Resp: 141551
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





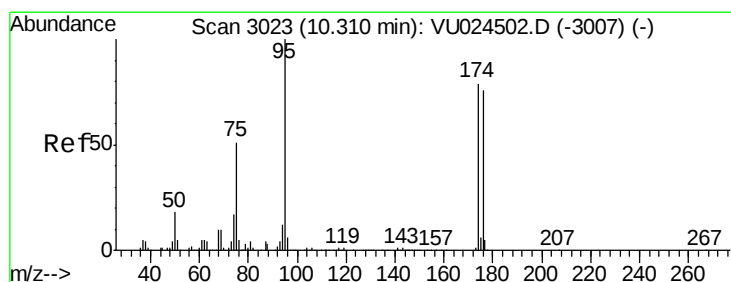
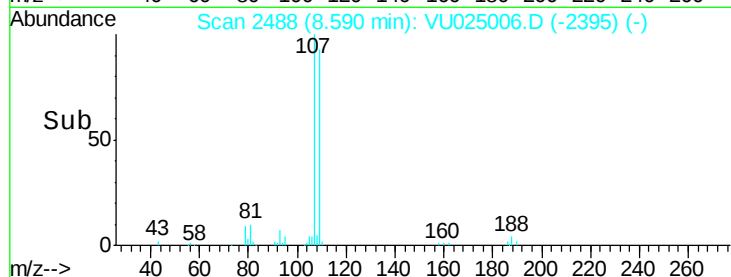
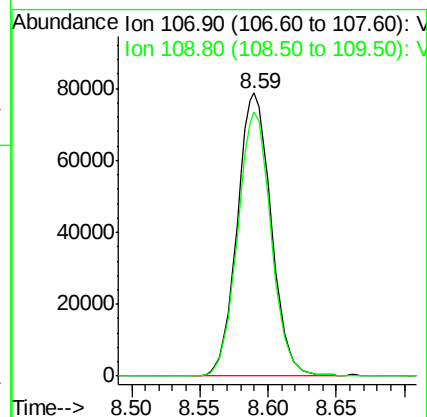
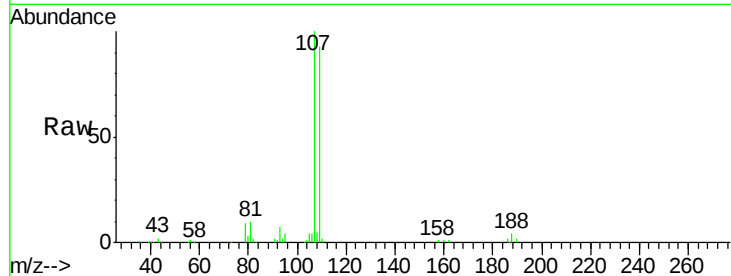
#61
 1,2-Dibromoethane
 Concen: 51.79 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.5	111.7

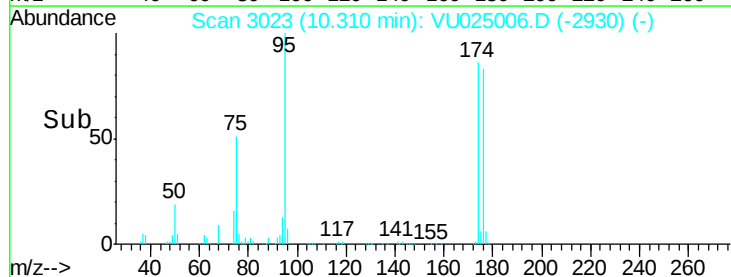
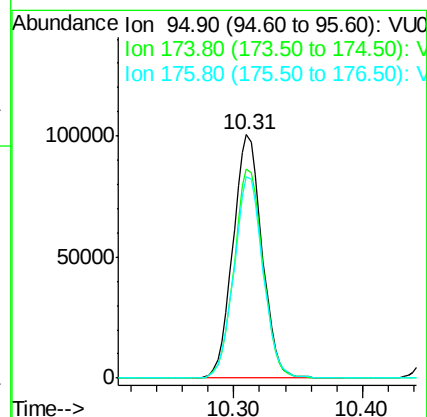
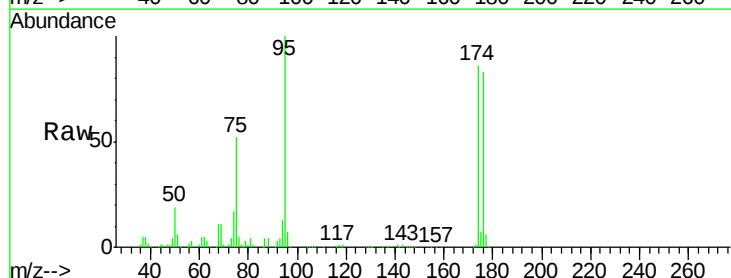
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#62
 4-Bromofluorobenzene
 Concen: 48.51 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	165.8
176	82.9	0.0	159.4





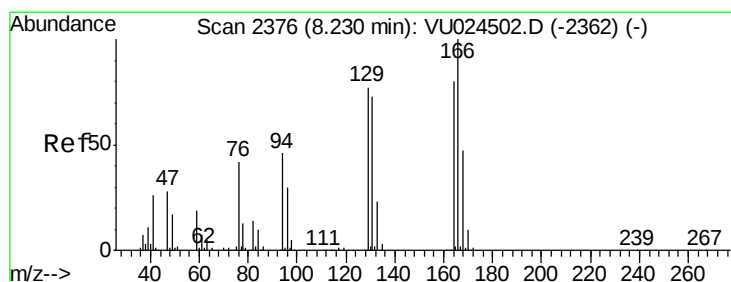
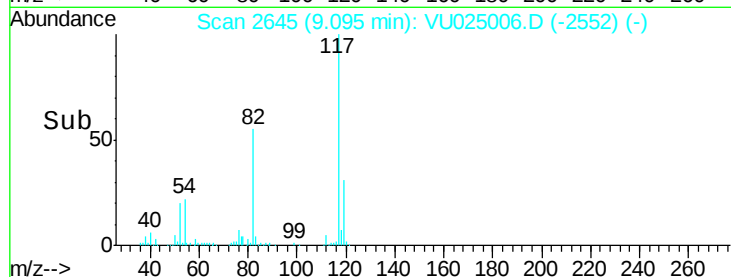
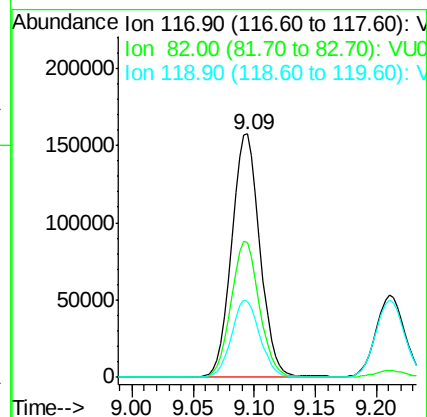
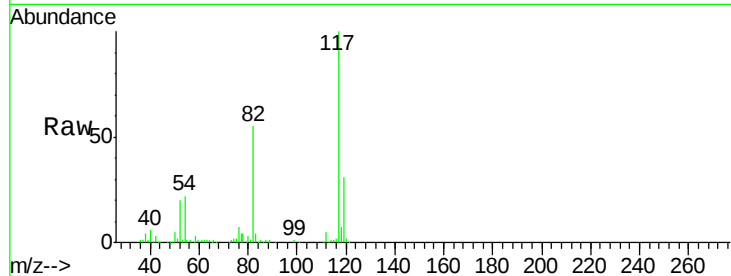
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256361		
82	55.2	44.3	66.5	
119	31.1	25.4	38.2	

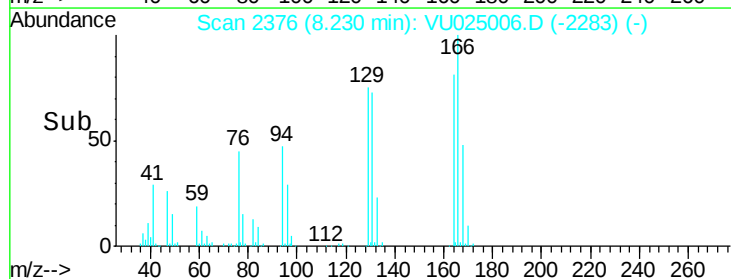
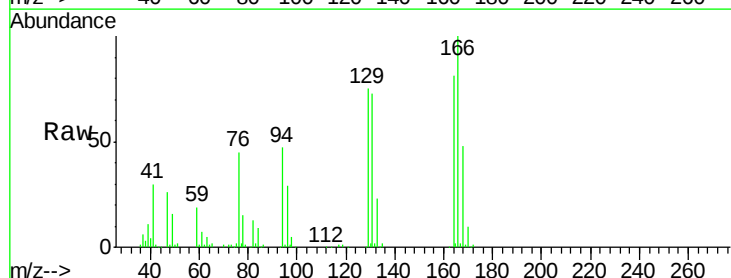
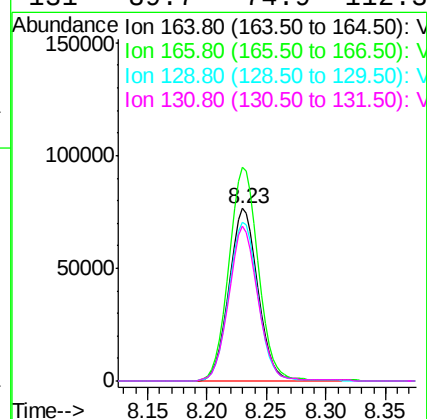
Manual Integrations
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#64
Tetrachloroethene
Concen: 53.05 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	129278		
166	123.6	101.7	152.5	
129	92.2	76.9	115.3	
131	89.7	74.9	112.3	





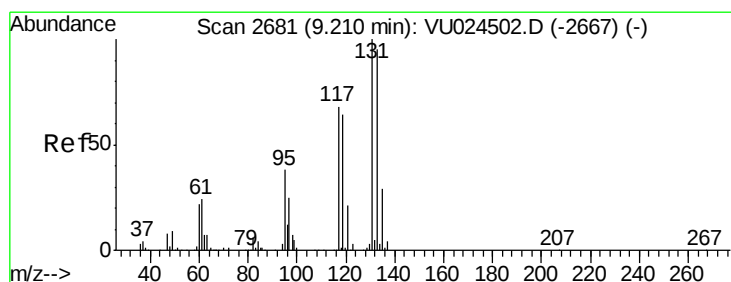
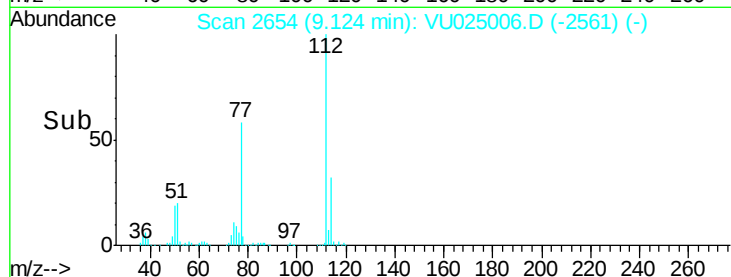
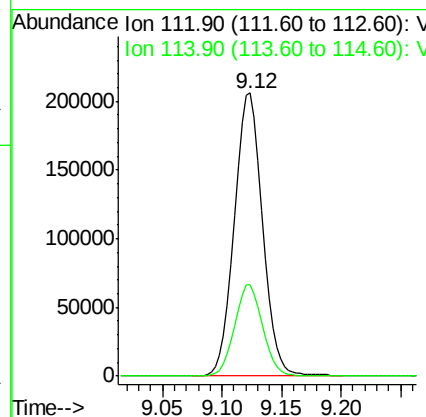
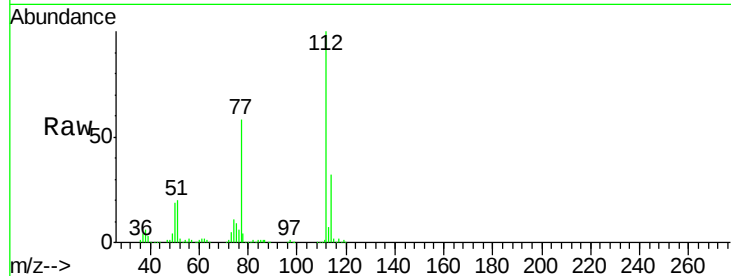
#65
Chlorobenzene
Concen: 51.88 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

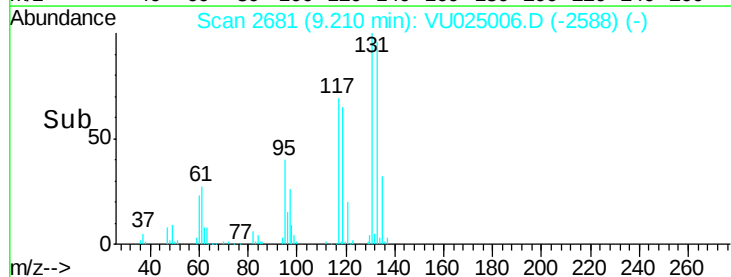
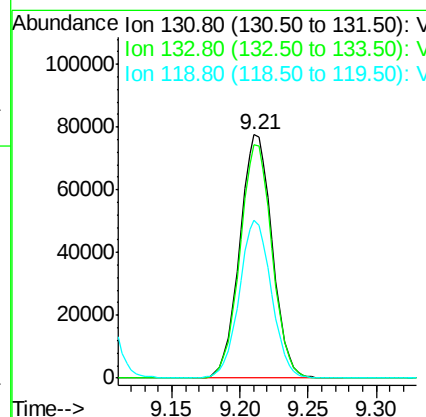
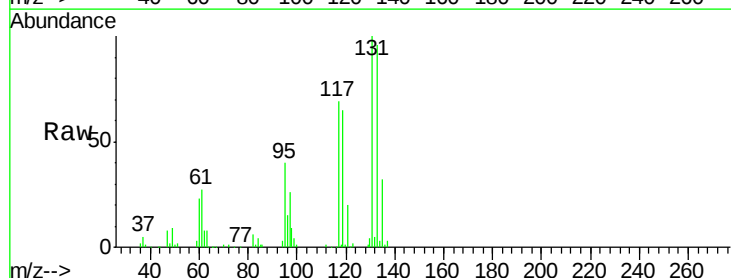
Manual Integrations
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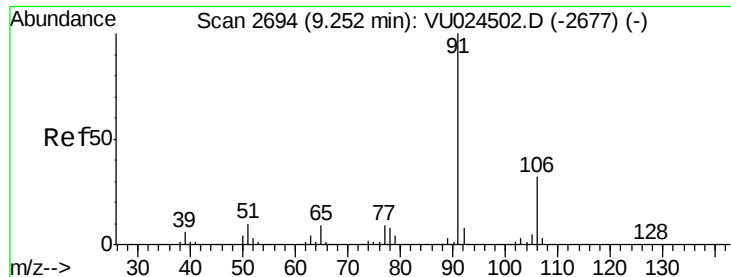
MMDadoda
6/28/2018 4:37:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.44 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	46.9	140.8
119	63.8	33.5	100.4





#67

Ethyl Benzene

Concen: 51.76 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 594256

Ion Ratio Lower Upper

91 100

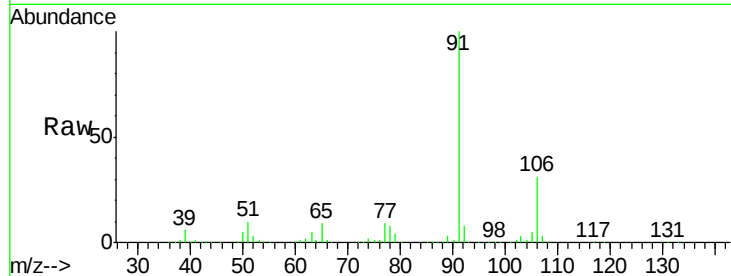
106 31.3 24.2 36.4

Manual Integrations

APPROVED

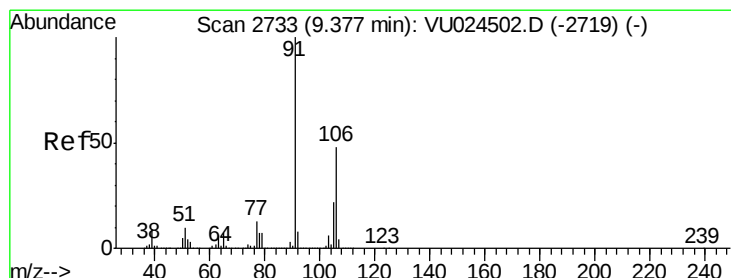
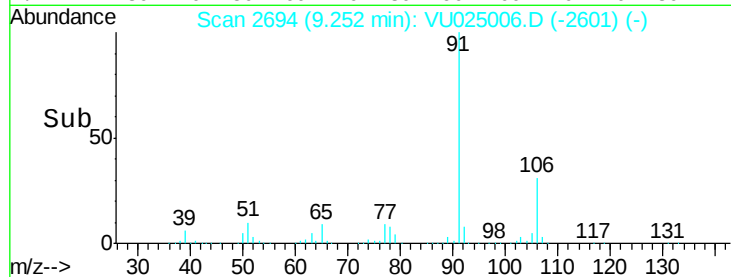
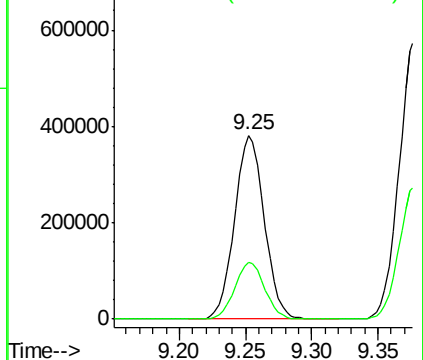
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.04 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025006.D

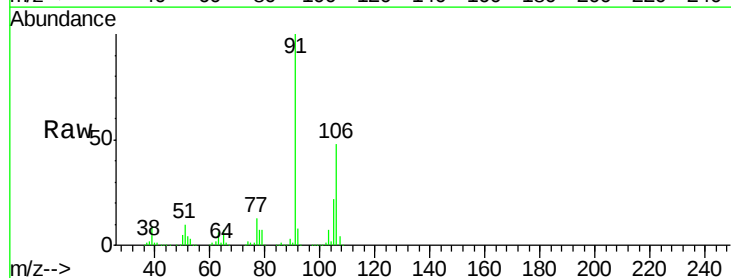
Acq: 28 Jun 2018 07:48

Tgt Ion: 106 Resp: 458668

Ion Ratio Lower Upper

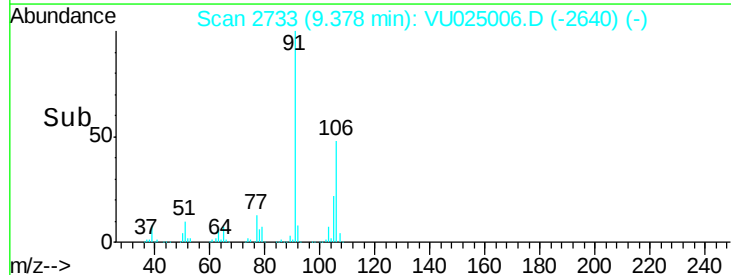
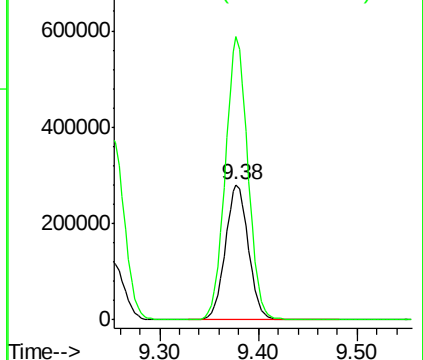
106 100

91 205.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





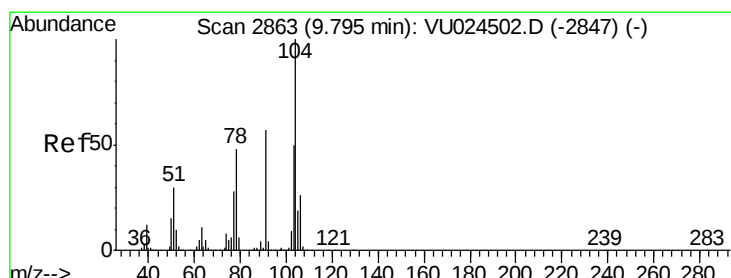
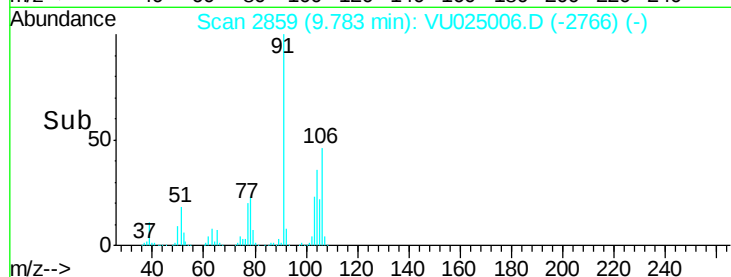
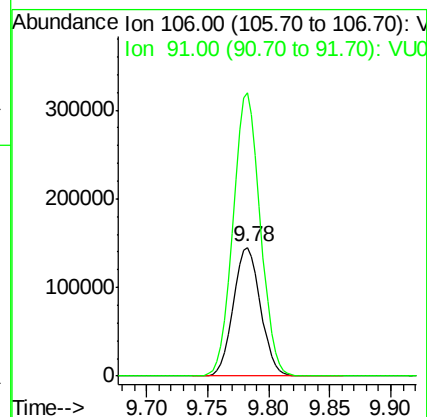
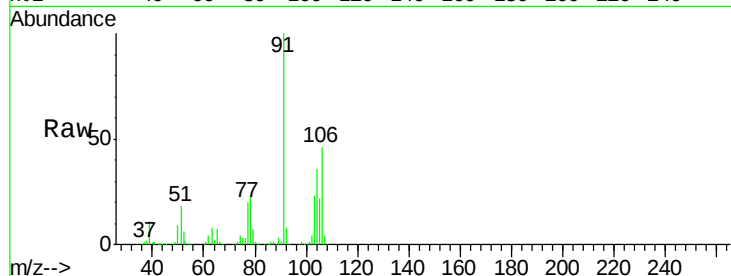
#69
o-Xylene
Concen: 52.10 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.8	110.7	331.9

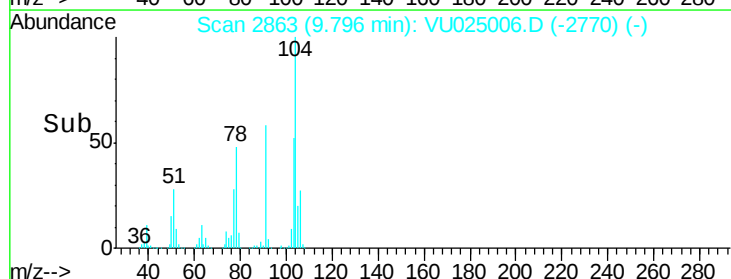
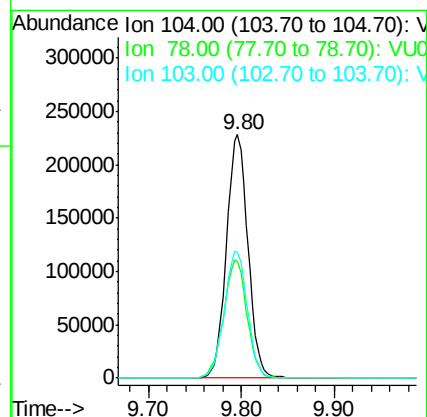
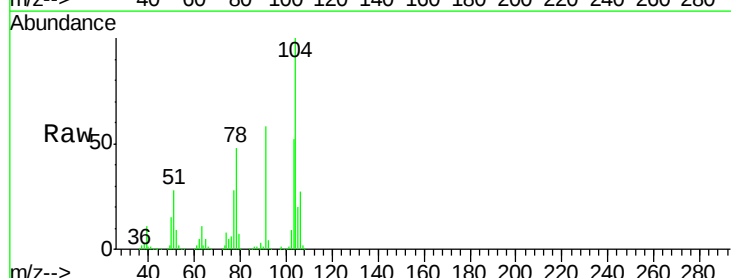
Manual Integrations
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#70
Styrene
Concen: 51.24 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.7	40.6	60.8
103	56.1	44.7	67.1





#71

Bromoform

Concen: 47.22 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 111676

Ion Ratio Lower Upper

173 100

175 48.2 24.6 74.0

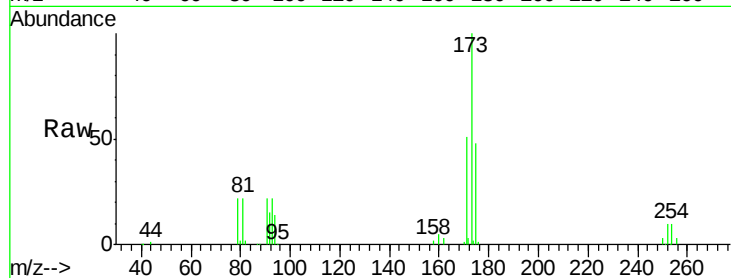
254 0.0 0.0 0.0#

Manual Integrations

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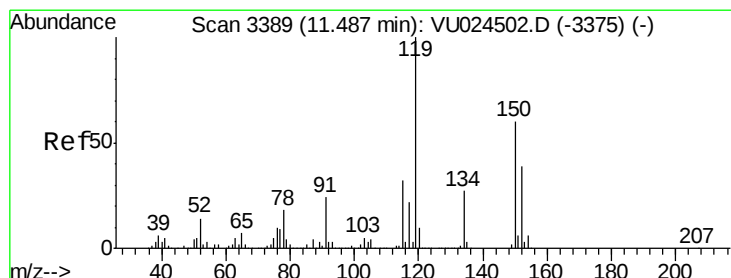
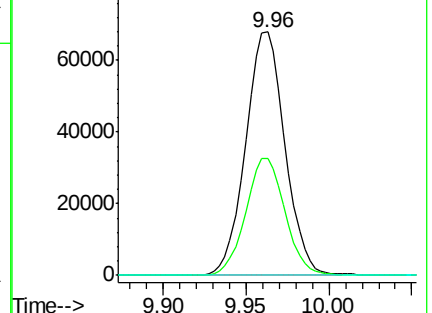
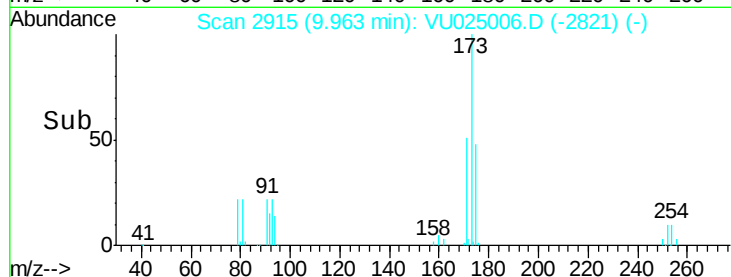
6/28/2018 4:37:06 PM



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: VU025006.D

Acq: 28 Jun 2018 07:48

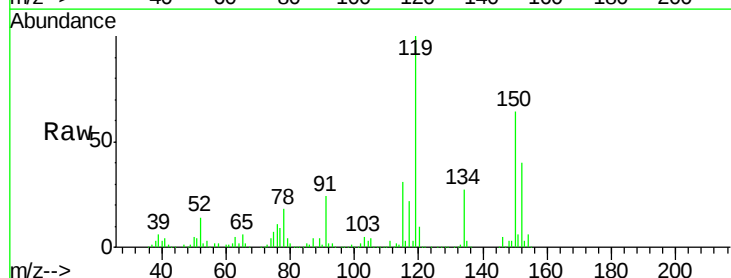
Tgt Ion:152 Resp: 161094

Ion Ratio Lower Upper

152 100

115 82.9 43.0 129.0

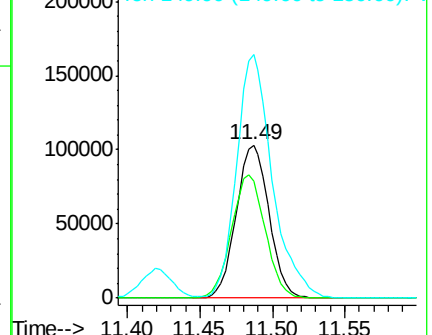
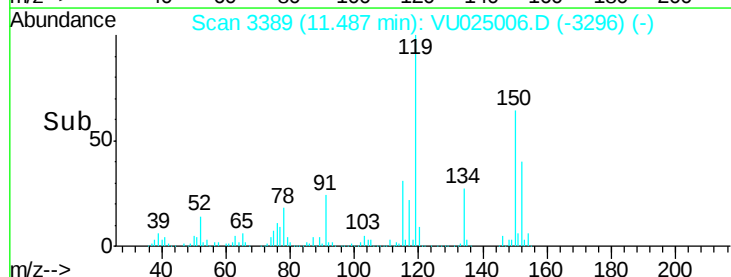
150 174.4 0.0 354.0

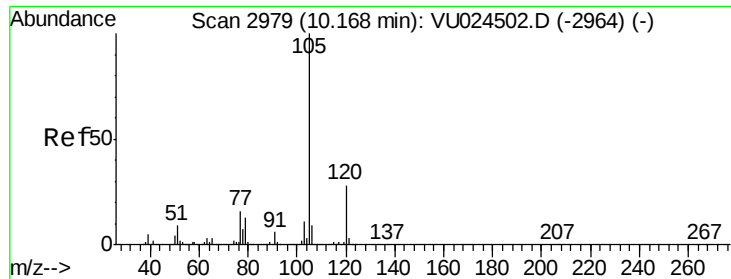


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.16 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 620445

Ion Ratio Lower Upper

105 100

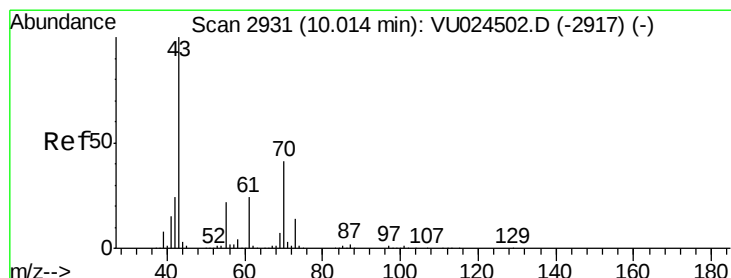
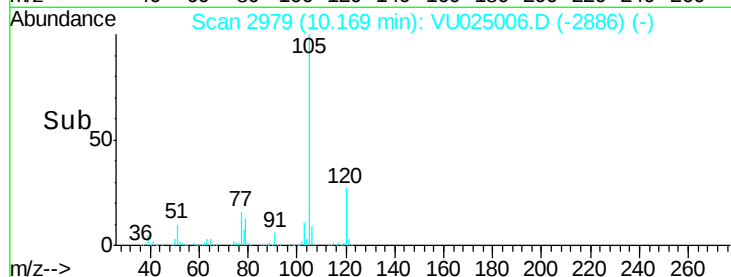
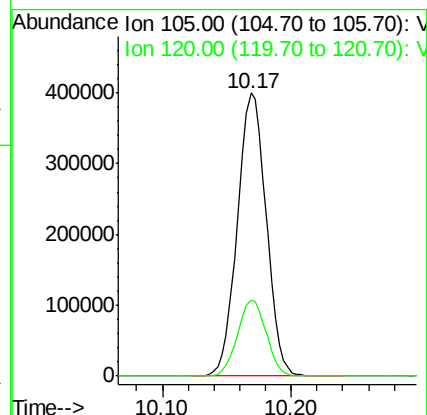
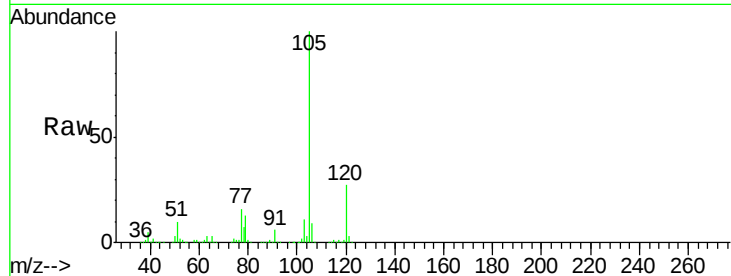
120 26.7 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.70 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion: 43 Resp: 268841

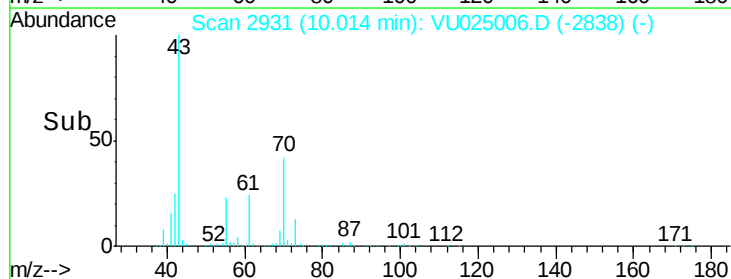
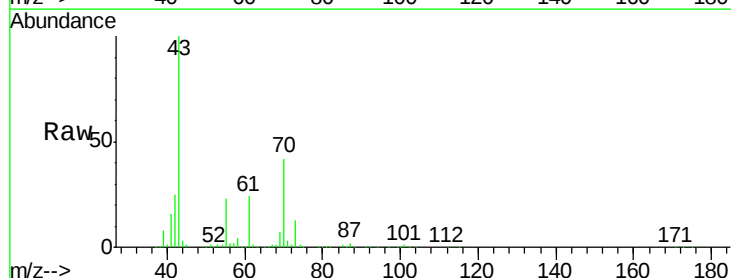
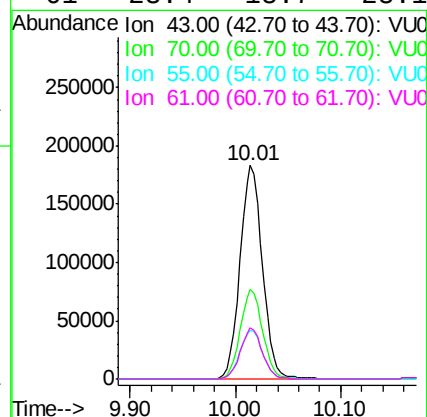
Ion Ratio Lower Upper

43 100

70 41.9 32.2 48.4

55 23.5 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.95 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 211158

Ion Ratio Lower Upper

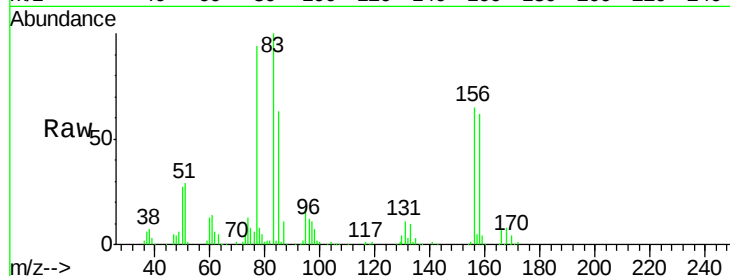
83 100

131 10.9 4.7 14.1

85 63.6 32.5 97.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU025006.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025006.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025006.D (-2977) (-)

150000

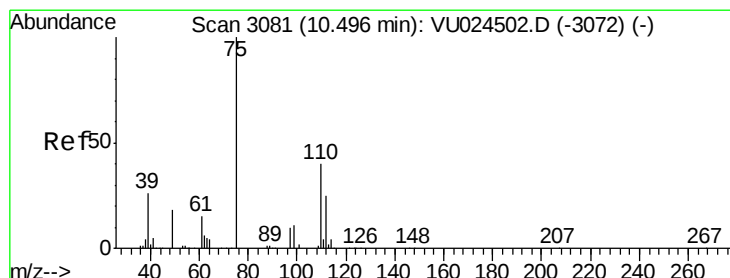
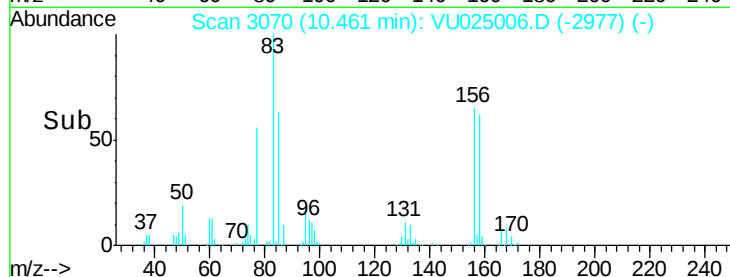
100000

50000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.18 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025006.D

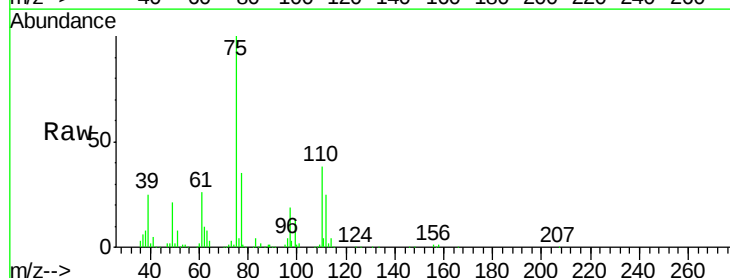
Acq: 28 Jun 2018 07:48

Tgt Ion: 75 Resp: 177959

Ion Ratio Lower Upper

75 100

77 41.3 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025006.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025006.D (-2988) (-)

150000

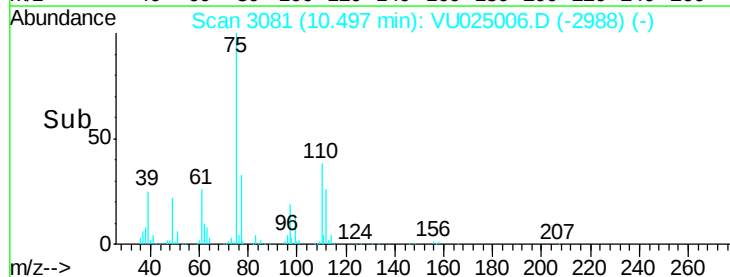
100000

50000

0

10.45 10.50

Time-->





#77

Bromobenzene

Concen: 51.06 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

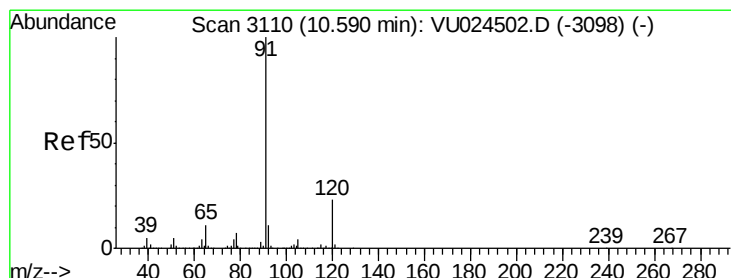
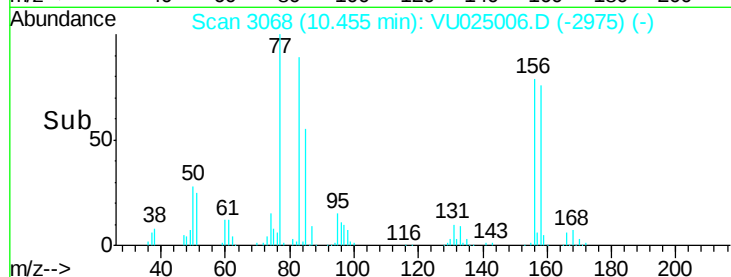
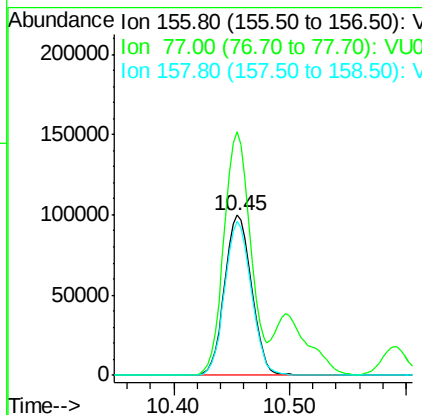
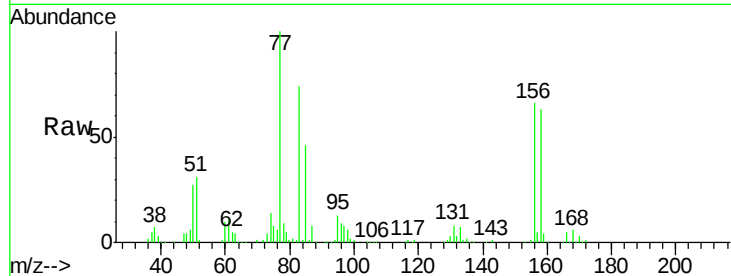
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.4	80.5	241.3	
158	95.2	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 48.06 ug/l

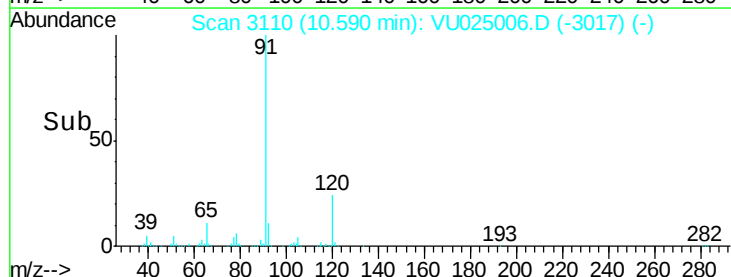
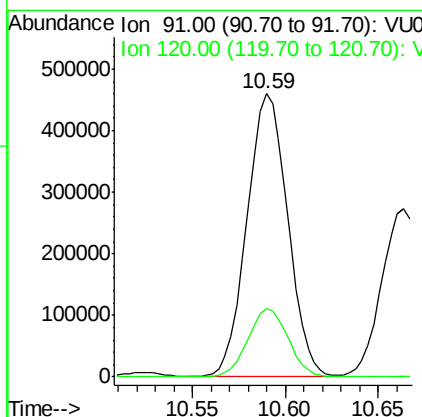
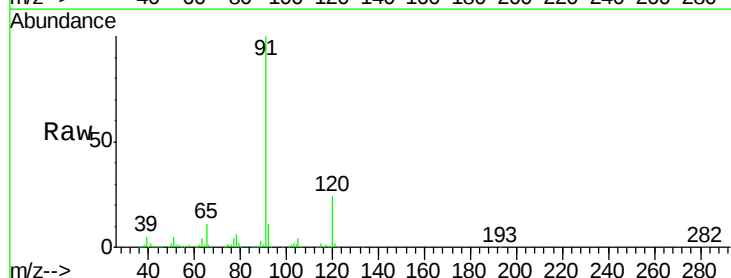
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.2	33.5	





#79

2-Chlorotoluene

Concen: 49.46 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 424929

Ion Ratio Lower Upper

91 100

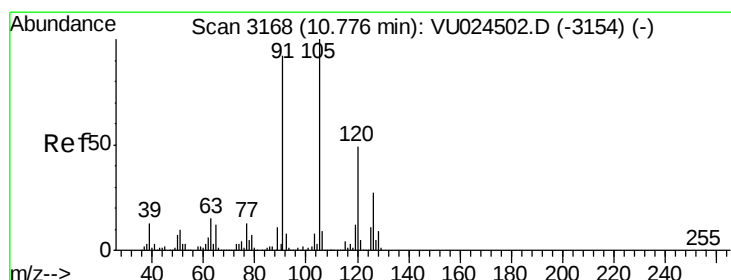
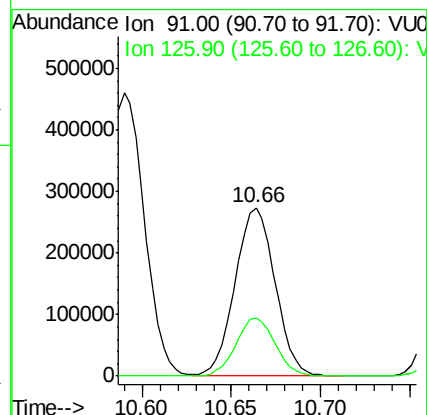
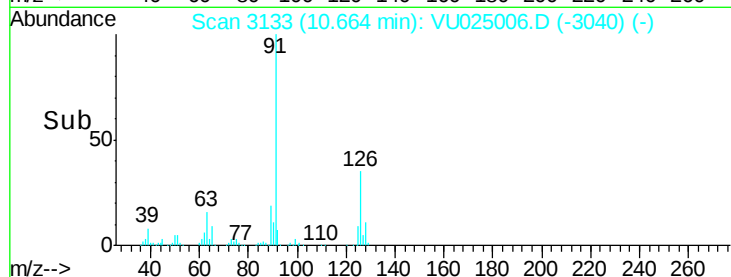
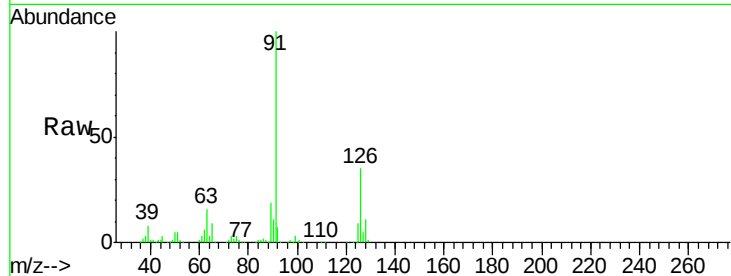
126 34.2 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.97 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025006.D

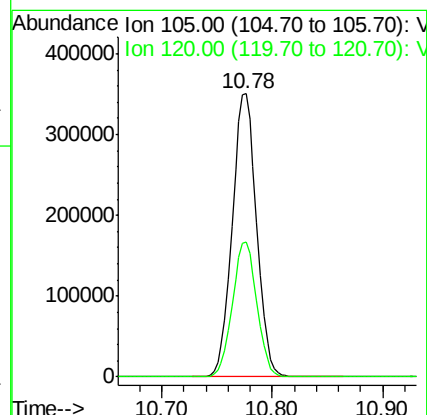
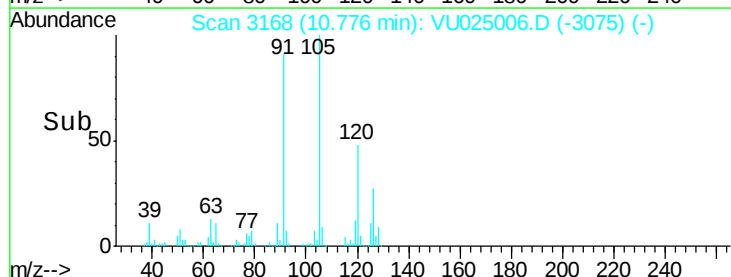
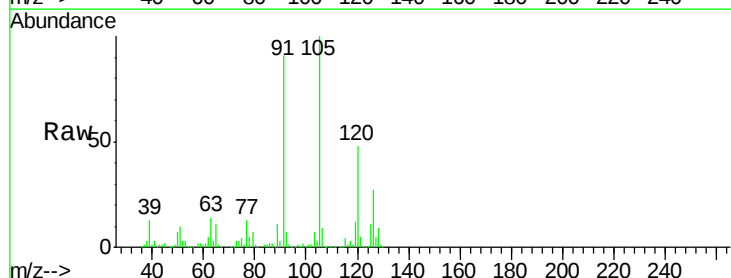
Acq: 28 Jun 2018 07:48

Tgt Ion: 105 Resp: 535675

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 40.58 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

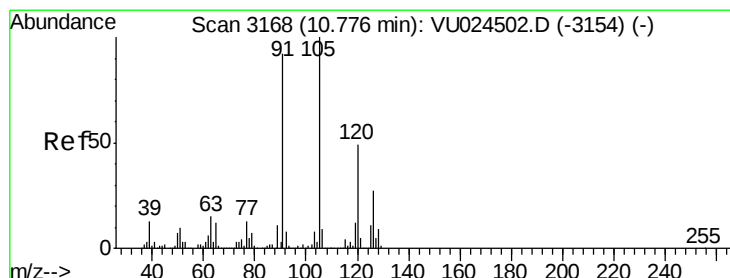
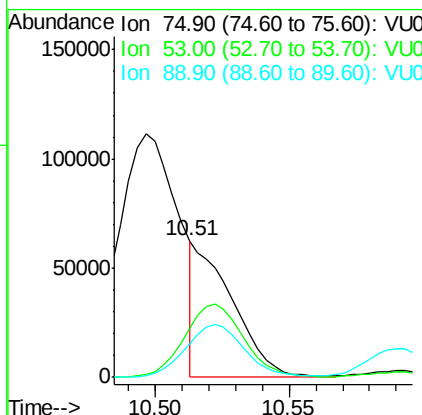
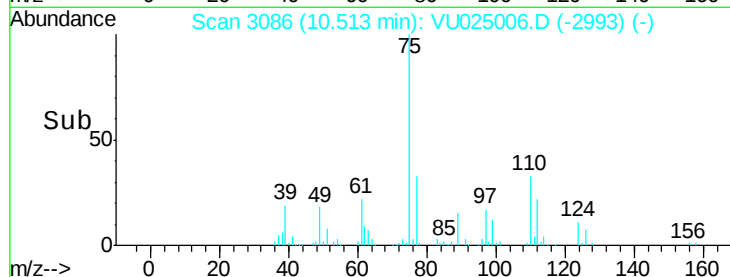
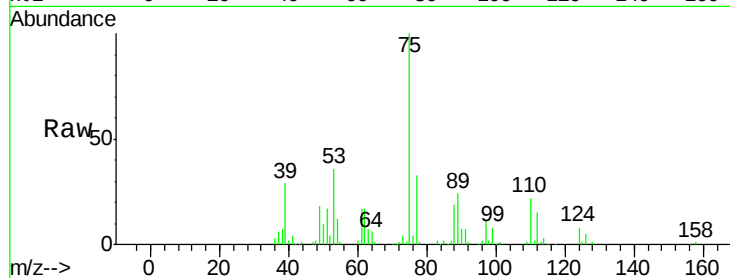
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.17 ug/l

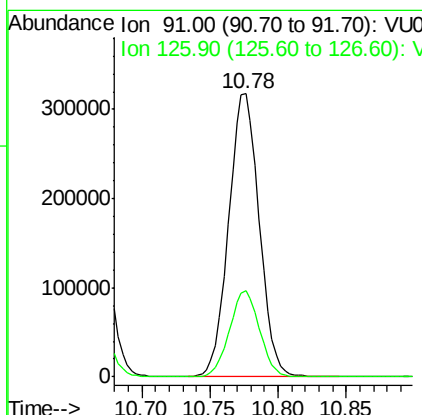
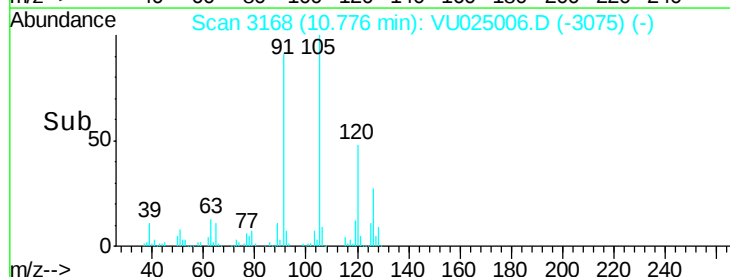
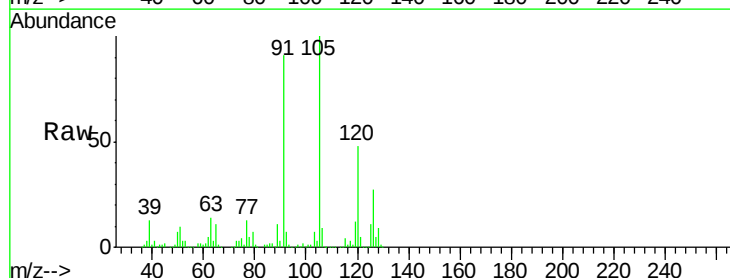
RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.9





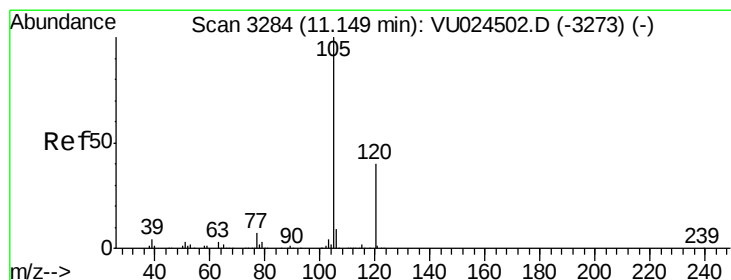
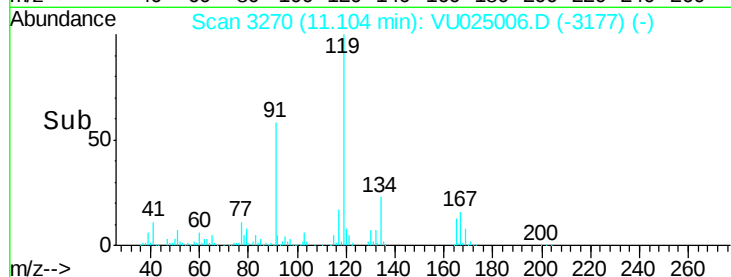
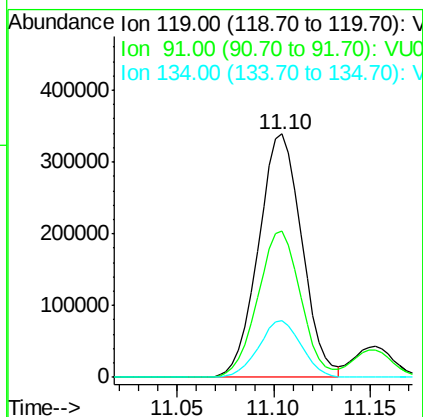
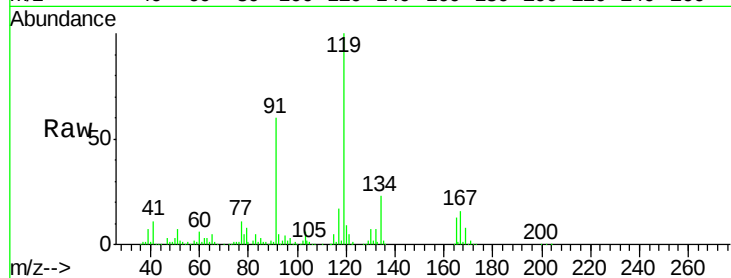
#83
tert-Butylbenzene
Concen: 51.28 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	528820		
91	59.3	29.7	89.1	
134	22.9	11.6	34.7	

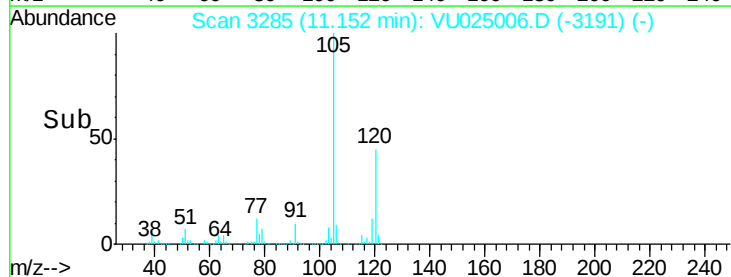
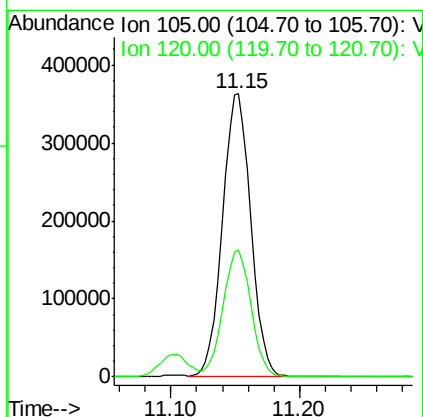
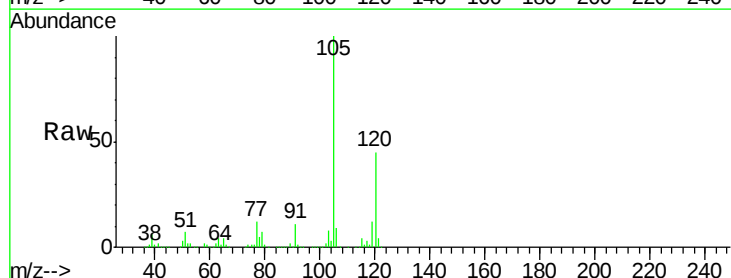
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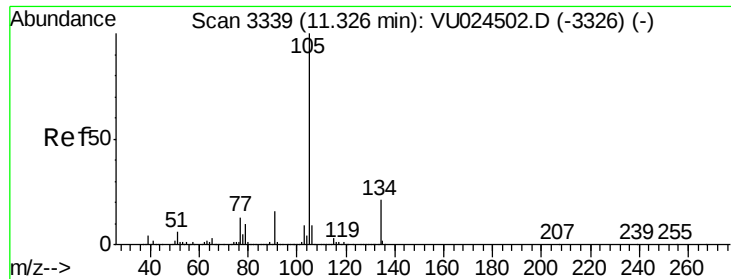
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.42 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	550866		
120	44.6	22.6	67.8	





#85

sec-Butylbenzene

Concen: 49.42 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 637846

Ion Ratio Lower Upper

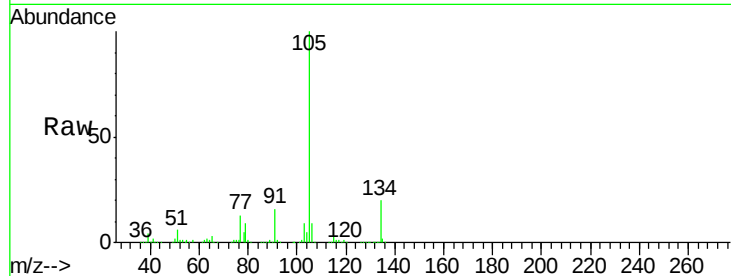
105 100

134 20.3 9.7 29.1

Manual Integrations
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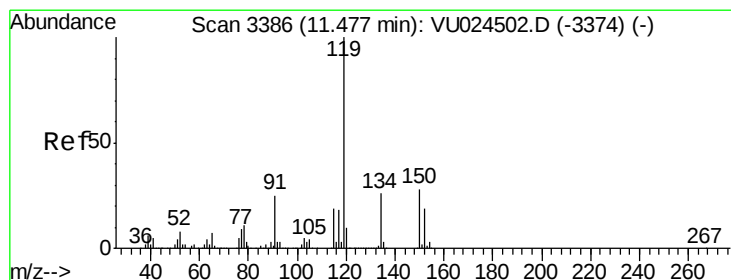
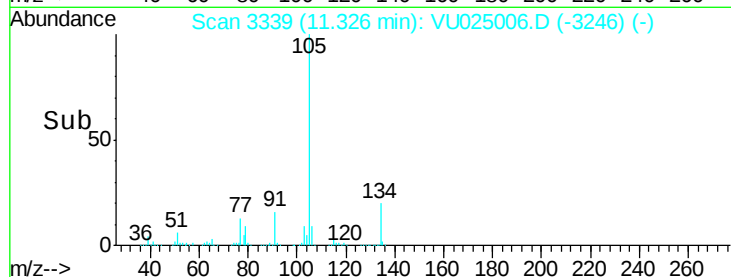
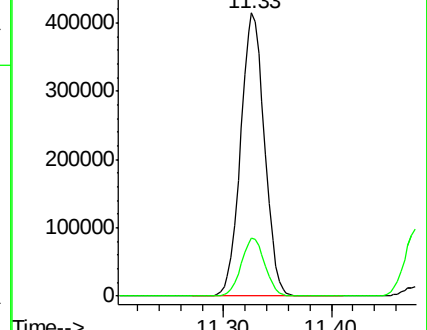
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.91 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

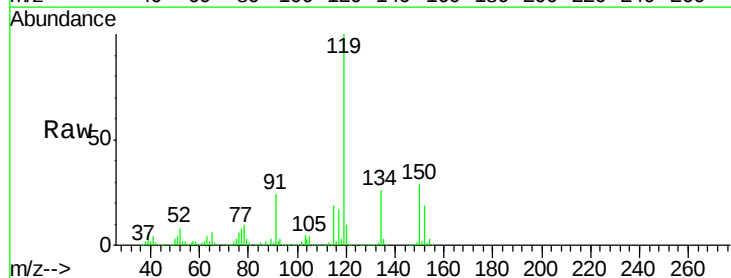
Tgt Ion:119 Resp: 565457

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.6

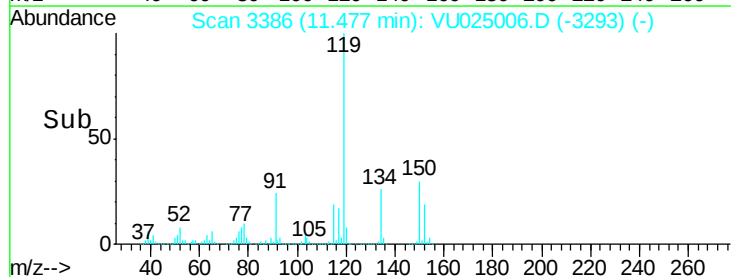
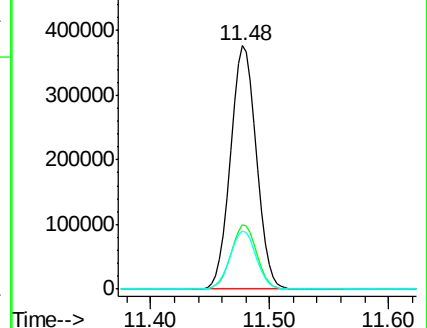
91 24.2 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





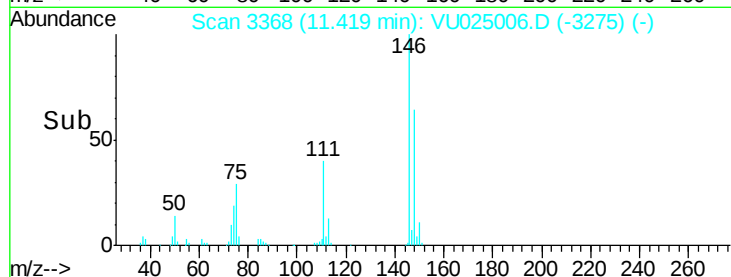
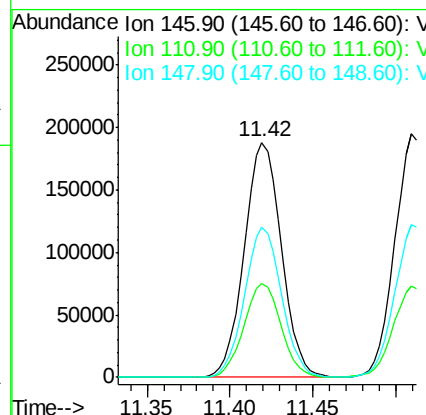
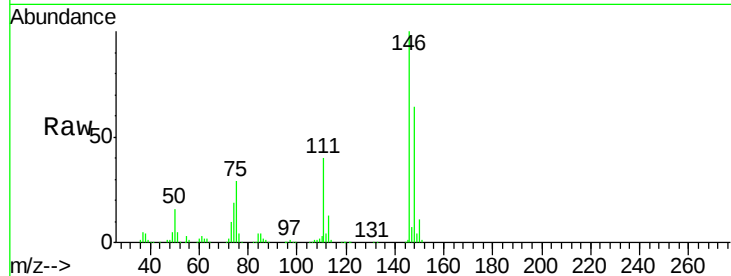
#87
 1,3-Dichlorobenzene
 Concen: 50.68 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.6	32.1	96.5

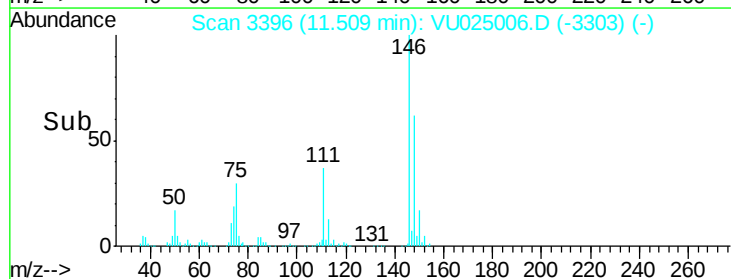
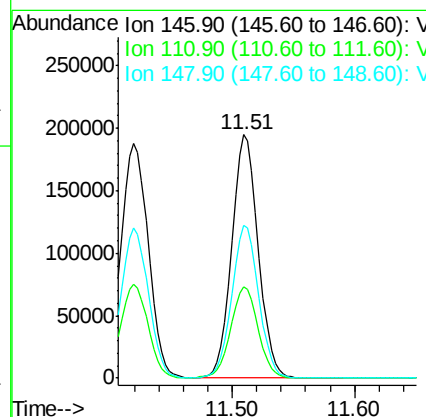
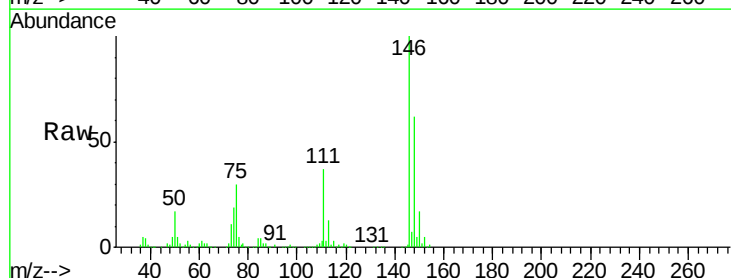
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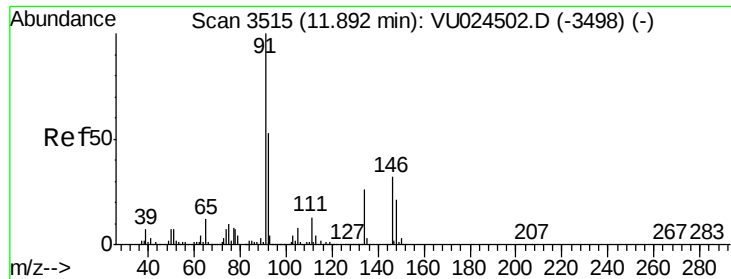
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#88
 1,4-Dichlorobenzene
 Concen: 50.80 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	63.8	32.4	97.0





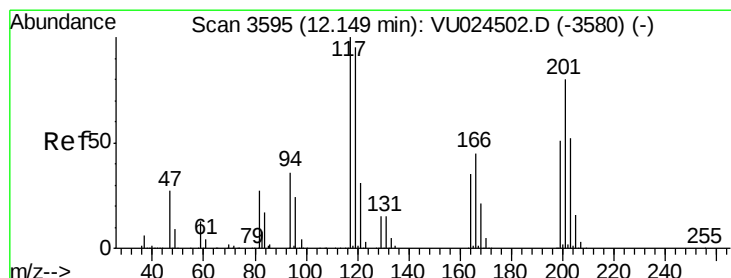
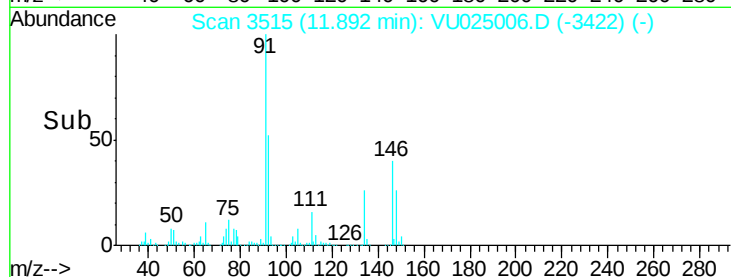
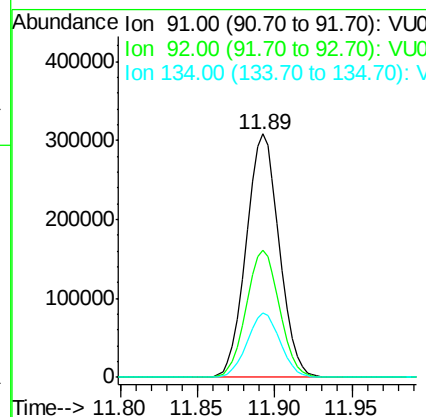
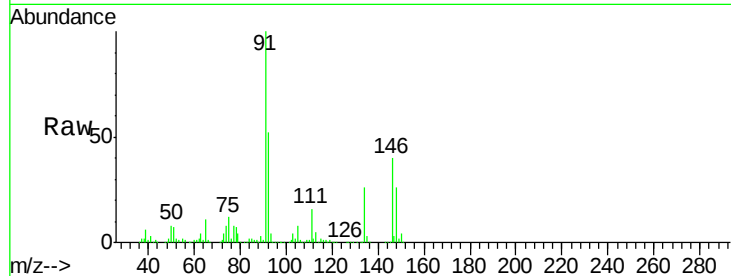
#89
n-Butylbenzene
Concen: 44.52 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	26.5	12.3	36.8

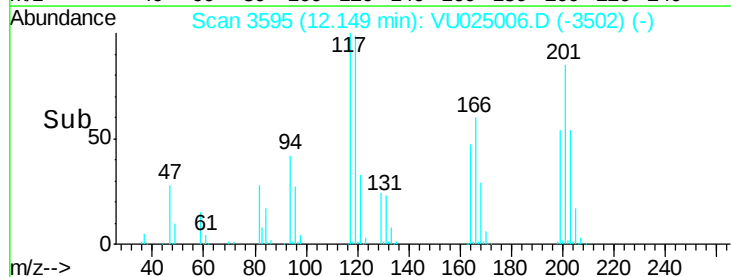
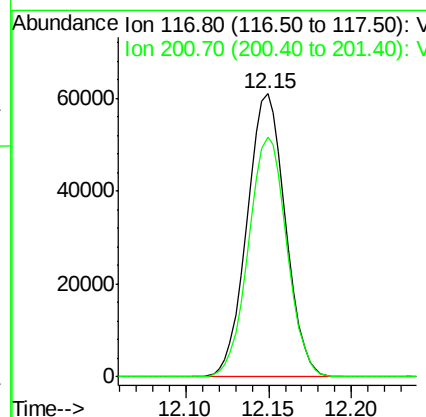
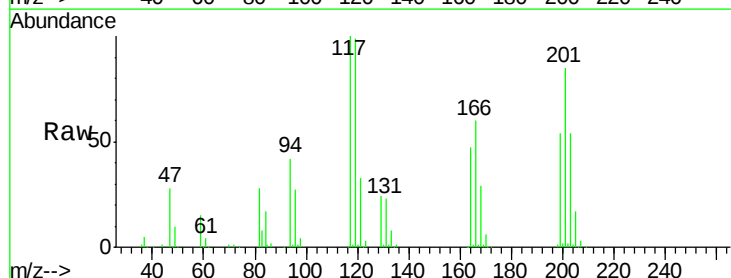
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#90
Hexachloroethane
Concen: 43.62 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025006.D
Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	41.1	123.3





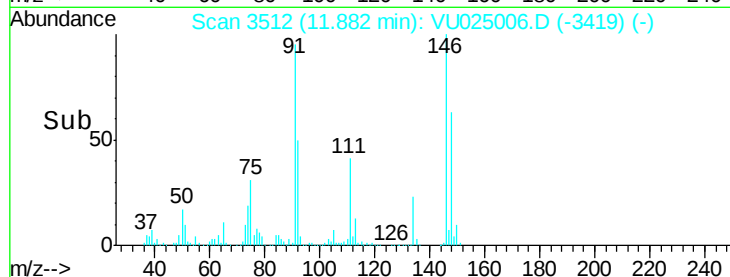
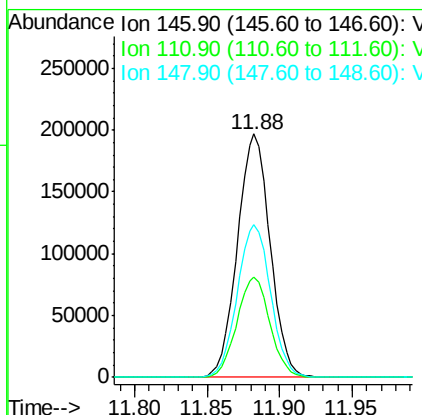
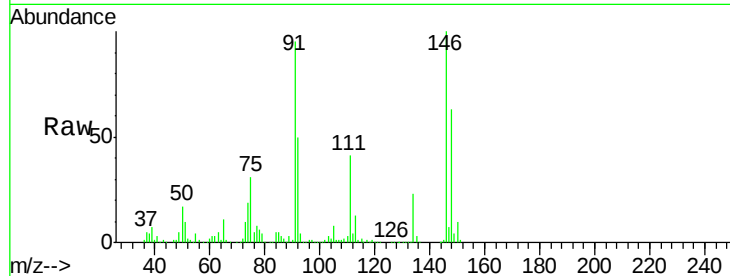
#91
 1,2-Dichlorobenzene
 Concen: 53.24 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.5	61.6
148	64.0	31.9	95.7

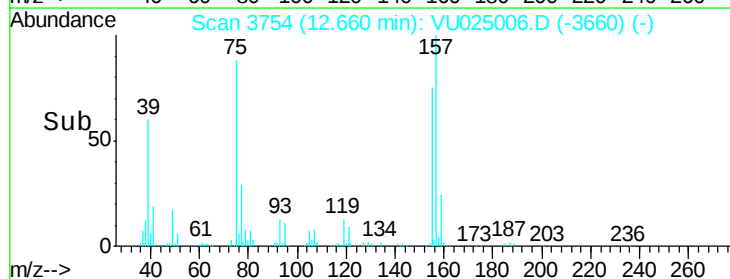
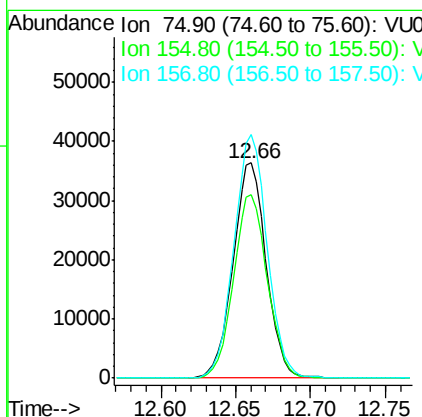
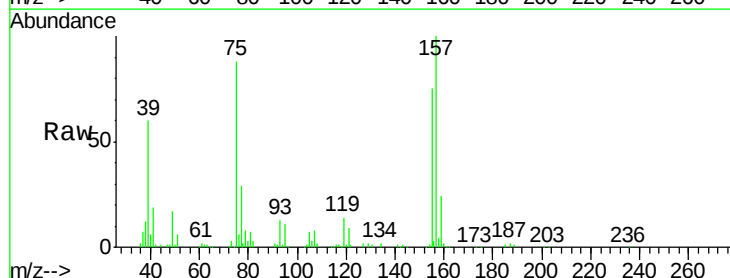
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.00 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	40.4	121.2
157	113.5	52.3	156.8





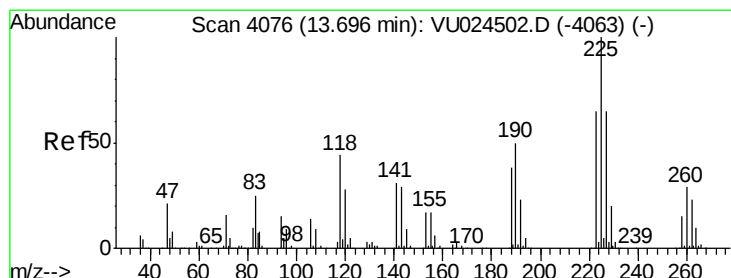
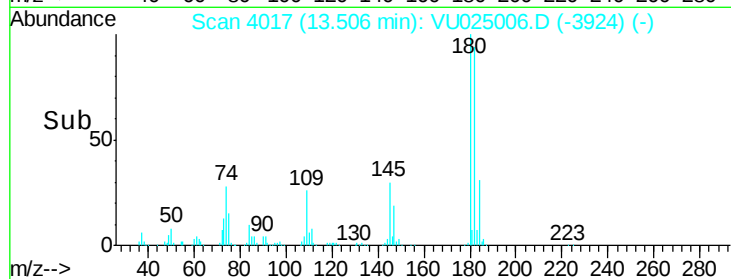
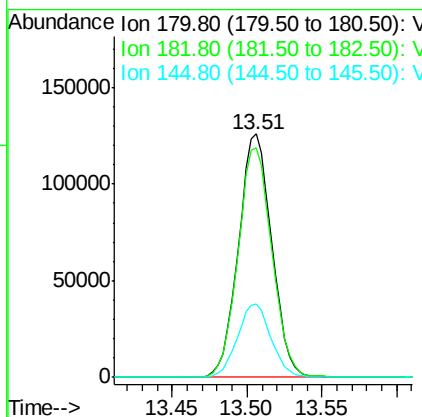
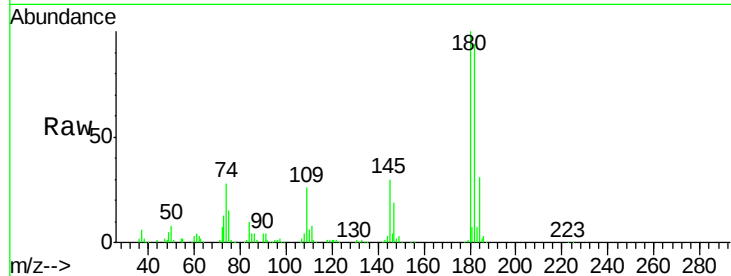
#93
 1,2,4-Trichlorobenzene
 Concen: 54.58 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195292		
182	96.1	48.0	144.2	
145	30.5	14.7	44.1	

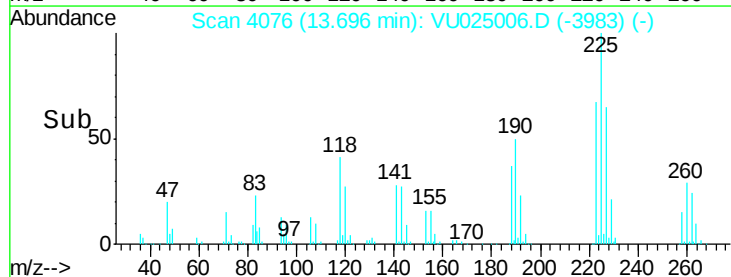
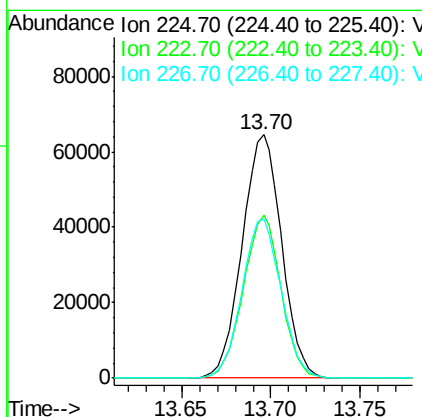
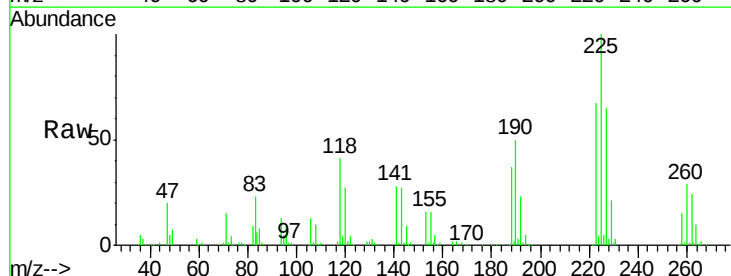
Manual Integrations
 APPROVED

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 6/28/2018 4:37:06 PM



#94
 Hexachlorobutadiene
 Concen: 49.64 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025006.D
 Acq: 28 Jun 2018 07:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99965		
223	64.0	31.3	93.8	
227	64.8	31.8	95.4	





#95

Naphthalene

Concen: 54.75 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Instrument :

MSVOA_U

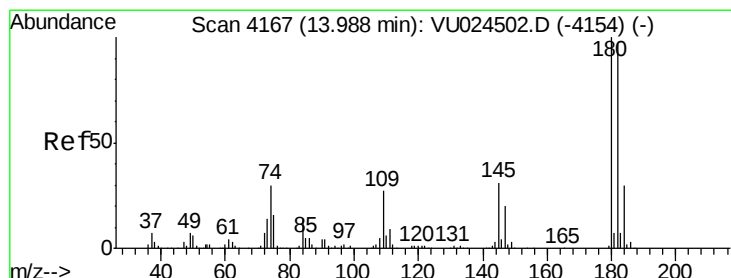
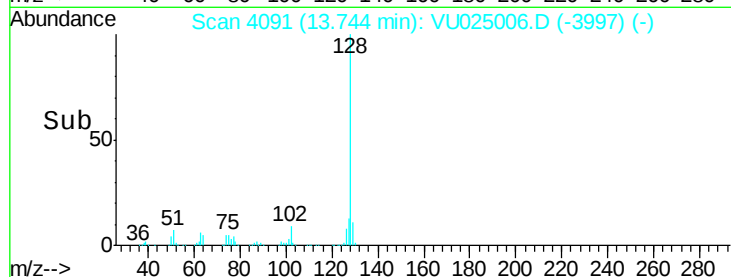
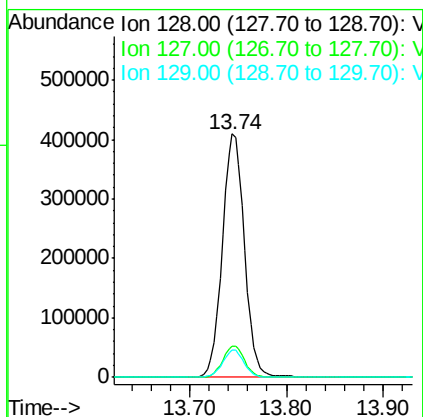
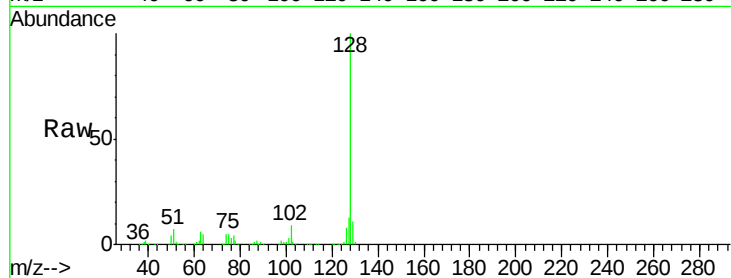
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	649304
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 58.36 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025006.D

Acq: 28 Jun 2018 07:48

Tgt Ion:	180	Resp:	208083
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	31.8	15.4	46.1

