

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025008.D
 Acq On : 28 Jun 2018 10:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 6/29/2018 4:23:25 PM

Quant Time: Jun 29 05:21:57 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	185020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272611	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	163125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	143196	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.89	113	115210	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	7.57	98	392657	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	10.31	95	165040	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100834	43.54	ug/l	99
3) Chloromethane	1.33	50	100269	42.38	ug/l	100
4) Vinyl Chloride	1.40	62	110898	45.45	ug/l	96
5) Bromomethane	1.62	94	65958	55.92	ug/l	98
6) Chloroethane	1.69	64	73108	53.70	ug/l	99
7) Trichlorofluoromethane	1.88	101	187314	50.30	ug/l	99
8) Diethyl Ether	2.10	74	68467	54.19	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	114838	49.71	ug/l	97
10) Methyl Iodide	2.41	142	121281	60.76	ug/l	99
11) Tert butyl alcohol	2.82	59	154450	210.25	ug/l	100
12) 1,1-Dichloroethene	2.28	96	104539	49.62	ug/l	94
13) Acrolein	2.19	56	43071	111.65	ug/l	96
14) Allyl chloride	2.59	41	203228	51.95	ug/l	92
15) Acrylonitrile	2.93	53	329320	230.41	ug/l	98
16) Acetone	2.32	43	516278	318.12	ug/l	98
17) Carbon Disulfide	2.48	76	295257	43.77	ug/l	100
18) Methyl Acetate	2.61	43	186411	53.58	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	405845	51.25	ug/l	96
20) Methylene Chloride	2.70	84	122053	47.93	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	115636	49.84	ug/l	97
22) Diisopropyl ether	3.57	45	393861	50.79	ug/l	96
23) Vinyl Acetate	3.53	43	1655200	238.29	ug/l	99
24) 1,1-Dichloroethane	3.45	63	225164	50.48	ug/l	99
25) 2-Butanone	4.26	43	583574	267.70	ug/l	97
26) 2,2-Dichloropropane	4.23	77	219038	51.71	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	134572	50.45	ug/l	98
28) Bromochloromethane	4.55	49	96392	49.06	ug/l	83
29) Tetrahydrofuran	4.63	42	305654	226.42	ug/l	97
30) Chloroform	4.68	83	235669	52.20	ug/l	99
31) Cyclohexane	5.00	56	206921	52.33	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	215811	51.69	ug/l	97
36) 1,1-Dichloropropene	5.14	75	176537	55.11	ug/l	98
37) Ethyl Acetate	4.38	43	180438	51.68	ug/l	97
38) Carbon Tetrachloride	5.14	117	196155	55.68	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	220131	55.07	ug/l	96
40) Benzene	5.39	78	496098	54.35	ug/l	100
41) Methacrylonitrile	4.54	41	101908	54.14	ug/l	99
42) 1,2-Dichloroethane	5.41	62	204479	58.82	ug/l	98
43) Isopropyl Acetate	5.55	43	298247	49.42	ug/l	98
44) Trichloroethene	6.19	130	137392	52.89	ug/l	97
45) 1,2-Dichloropropane	6.44	63	131126	53.84	ug/l	95
46) Dibromomethane	6.56	93	94453	55.21	ug/l	96
47) Bromodichloromethane	6.76	83	183721	53.93	ug/l	97
48) Methyl methacrylate	6.62	41	154859	52.70	ug/l	99
49) 1,4-Dioxane	6.62	88	68220	1187.03	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	930726	245.47	ug/l	98
52) Toluene	7.64	92	319493	54.40	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	202861	53.03	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	210615	51.67	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	129195	54.12	ug/l	97
56) Ethyl methacrylate	8.02	69	201113	50.34	ug/l	98
57) 1,3-Dichloropropane	8.25	76	220894	54.85	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	66852	43.67	ug/l	97
59) 2-Hexanone	8.36	43	826518	267.01	ug/l	100
60) Dibromochloromethane	8.48	129	150956	50.71	ug/l	100
61) 1,2-Dibromoethane	8.59	107	143355	53.95	ug/l	99
64) Tetrachloroethene	8.23	164	132738	54.80	ug/l	99
65) Chlorobenzene	9.12	112	364377	55.98	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	135623	54.84	ug/l	97
67) Ethyl Benzene	9.25	91	643468	56.39	ug/l	98
68) m/p-Xylenes	9.38	106	498191	113.69	ug/l	99
69) o-Xylene	9.78	106	244726	56.43	ug/l	97
70) Styrene	9.80	104	396025	55.57	ug/l	99
71) Bromoform	9.96	173	118182	50.28	ug/l #	98
73) Isopropylbenzene	10.17	105	670843	53.56	ug/l	99
74) N-amyl acetate	10.01	43	277009	46.50	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	212203	50.56	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	194406m	54.13	ug/l	
77) Bromobenzene	10.45	156	169304	53.40	ug/l	95
78) n-propylbenzene	10.59	91	773094	52.40	ug/l	96
79) 2-Chlorotoluene	10.66	91	465294	53.48	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	591476	54.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	71458m	46.05	ug/l	
82) 4-Chlorotoluene	10.77	91	542467	53.57	ug/l	99
83) tert-Butylbenzene	11.10	119	574665	55.03	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	597297	53.99	ug/l	100
85) sec-Butylbenzene	11.33	105	712278	54.50	ug/l	98
86) p-Isopropyltoluene	11.48	119	641582	54.81	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	317918	54.27	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	324857	55.10	ug/l	99
89) n-Butylbenzene	11.89	91	541805	52.13	ug/l	96
90) Hexachloroethane	12.15	117	108617	47.56	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	328859	56.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56162	48.50	ug/l	93

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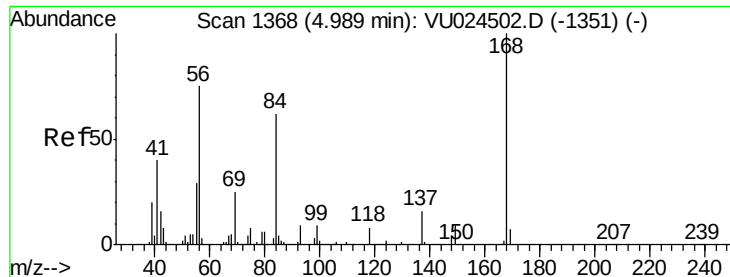
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	226655	62.56	ug/l	99
94) Hexachlorobutadiene	13.70	225	119694	58.69	ug/l	98
95) Naphthalene	13.74	128	680963	56.68	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	229522	63.57	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: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 185020

Ion Ratio Lower Upper

168 100

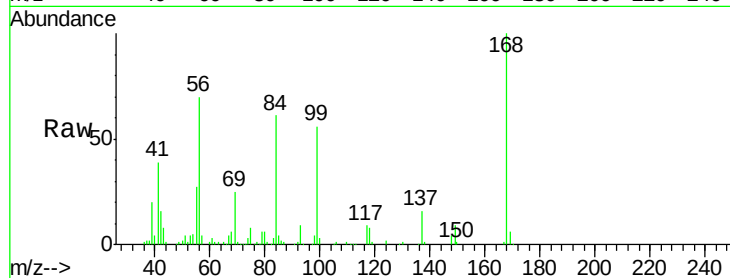
99 55.7 43.2 64.8

Manual Integrations

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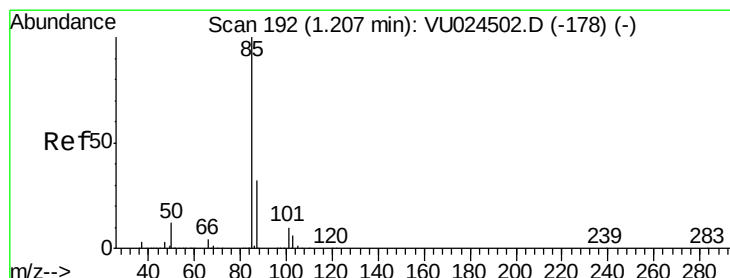
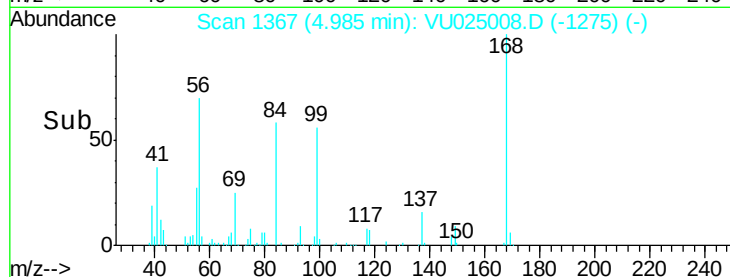
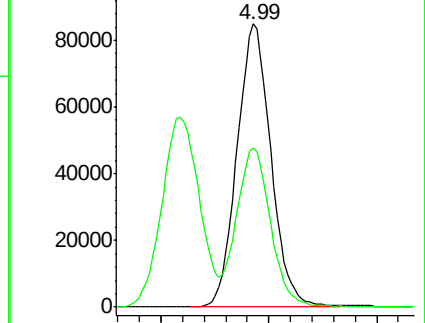
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 43.54 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025008.D

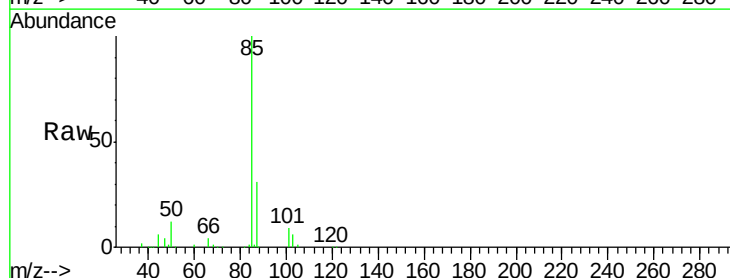
Acq: 28 Jun 2018 10:01

Tgt Ion: 85 Resp: 100834

Ion Ratio Lower Upper

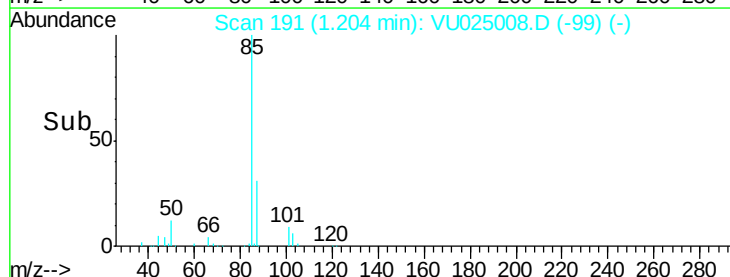
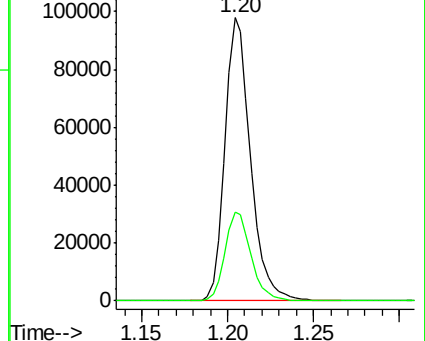
85 100

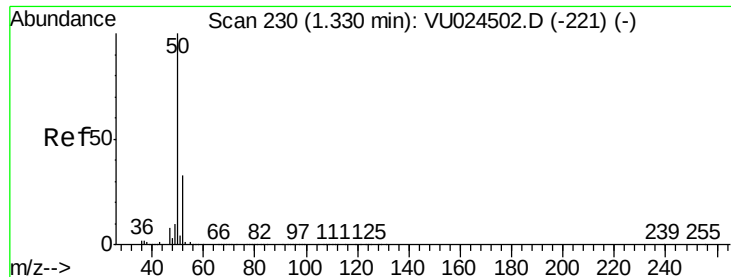
87 31.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 42.38 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100269

Ion Ratio Lower Upper

50 100

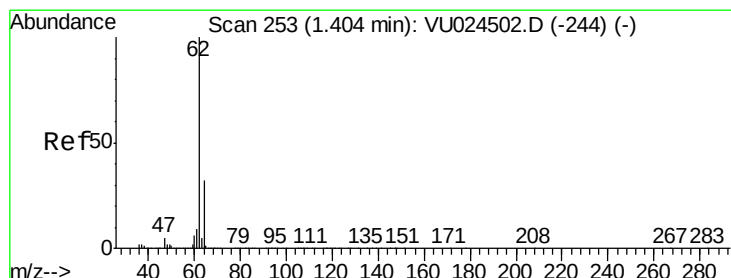
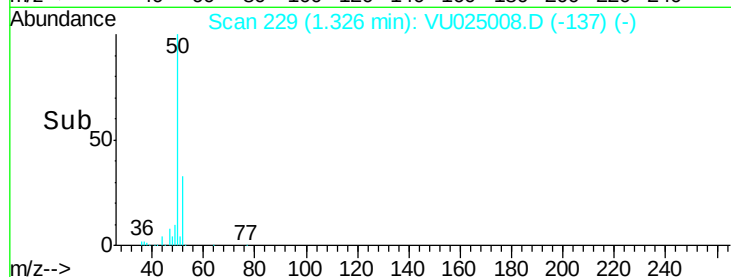
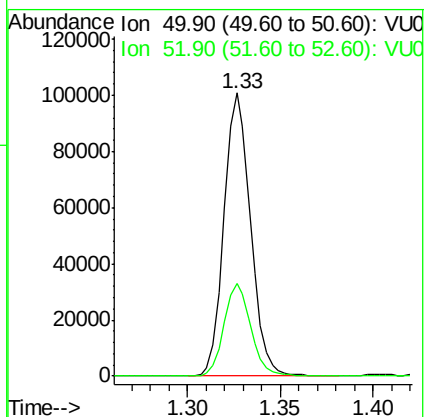
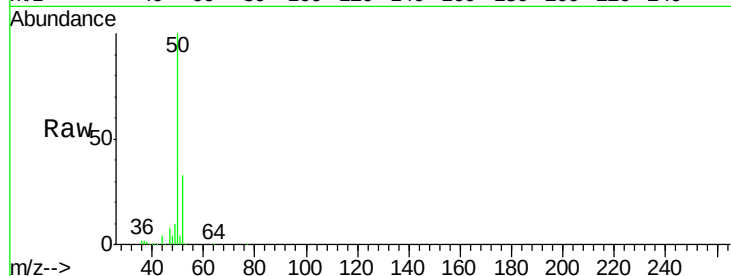
52 32.8 26.4 39.6

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#4

Vinyl Chloride

Concen: 45.45 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025008.D

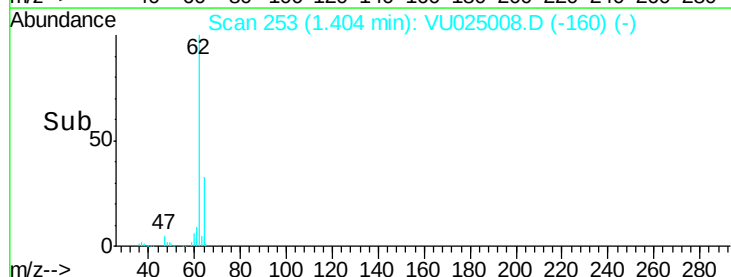
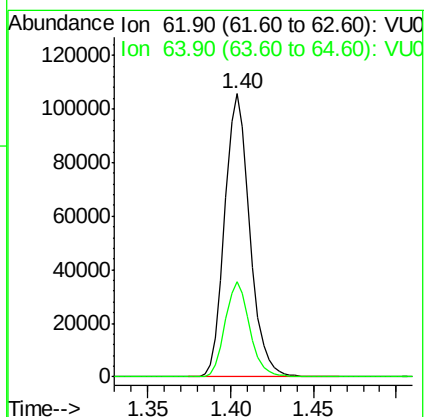
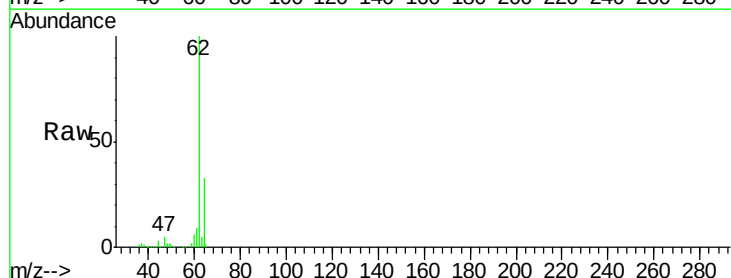
Acq: 28 Jun 2018 10:01

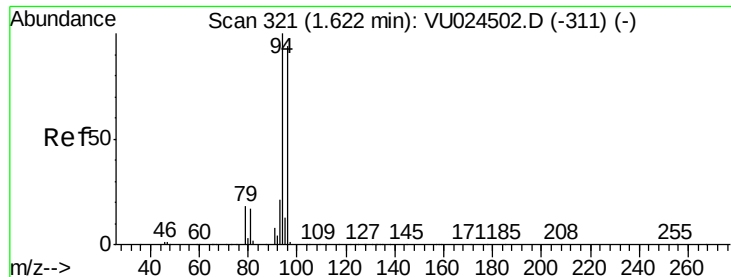
Tgt Ion: 62 Resp: 110898

Ion Ratio Lower Upper

62 100

64 33.4 24.8 37.2





#5

Bromomethane

Concen: 55.92 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65958

Ion Ratio Lower Upper

94 100

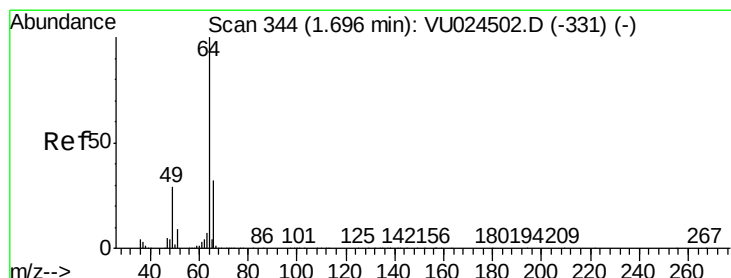
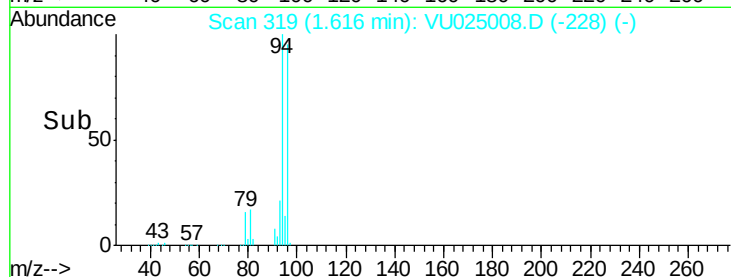
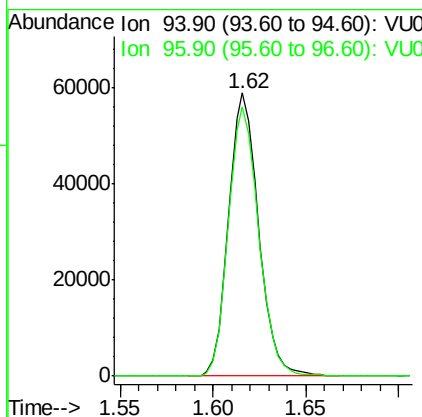
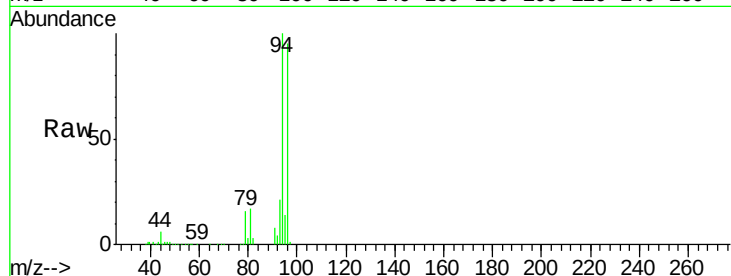
96 95.0 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 53.70 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025008.D

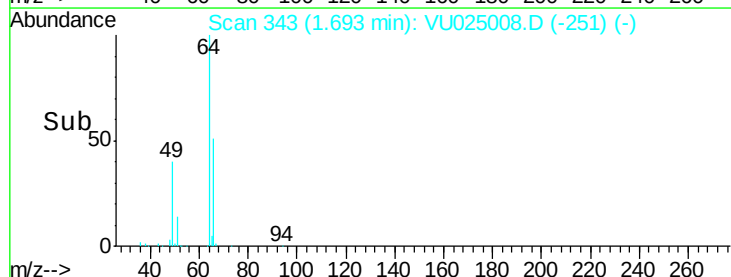
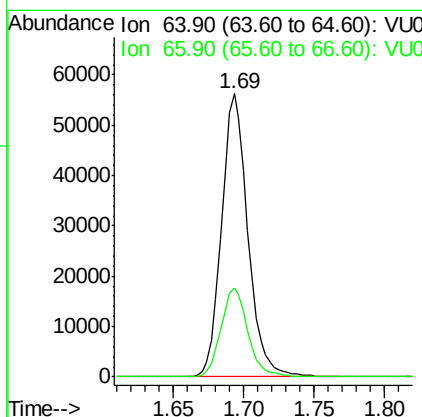
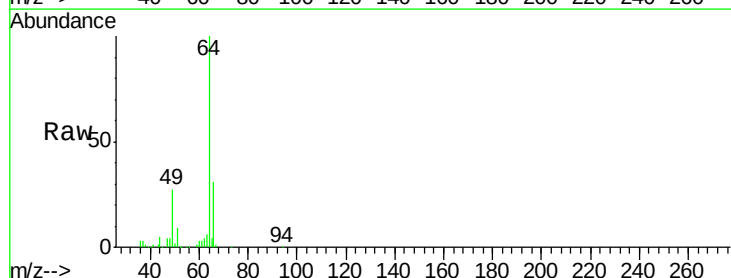
Acq: 28 Jun 2018 10:01

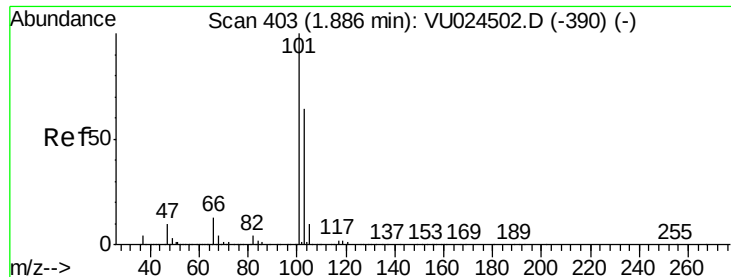
Tgt Ion: 64 Resp: 73108

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3





#7

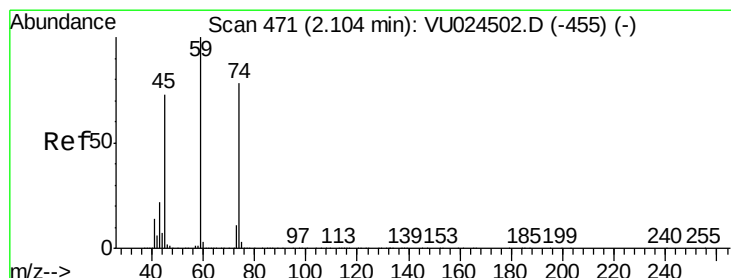
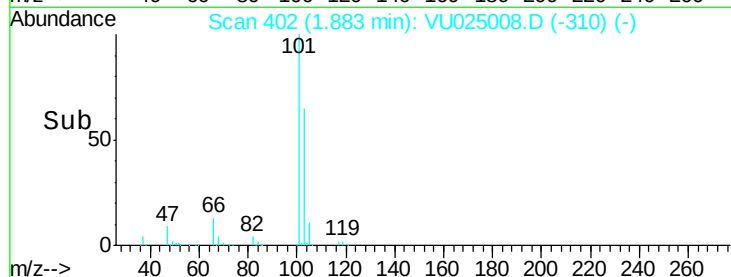
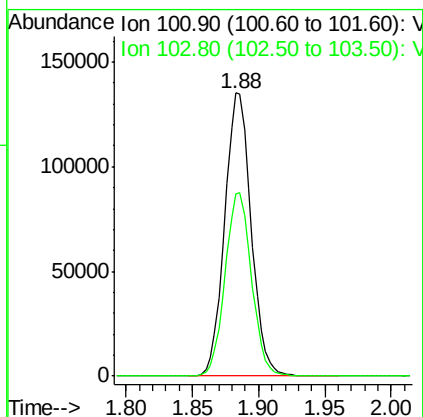
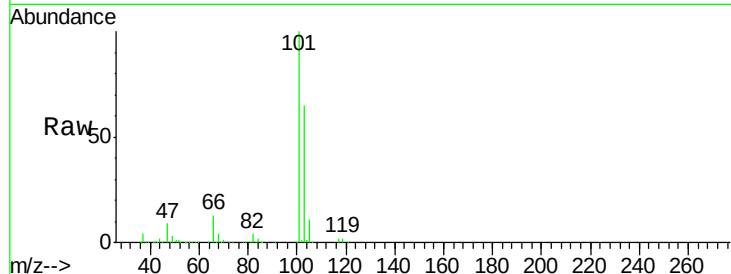
Trichlorofluoromethane
Concen: 50.30 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

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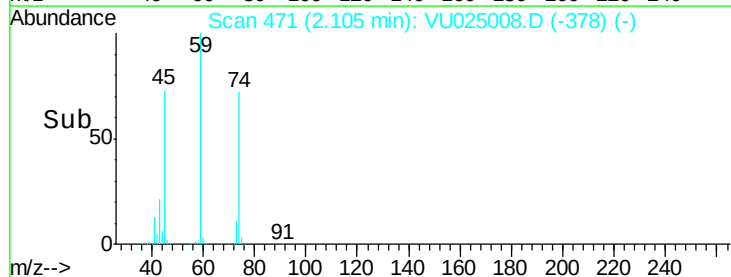
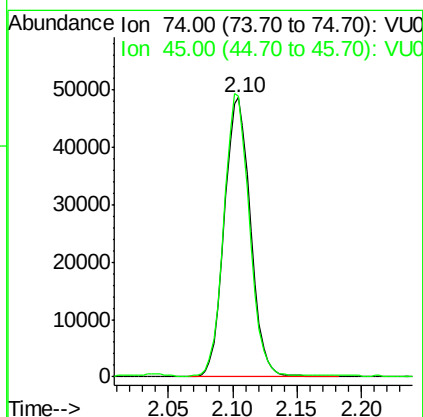
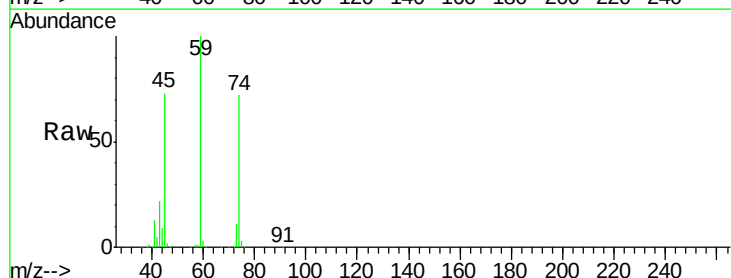
MMDadoda
6/29/2018 4:23:25 PM

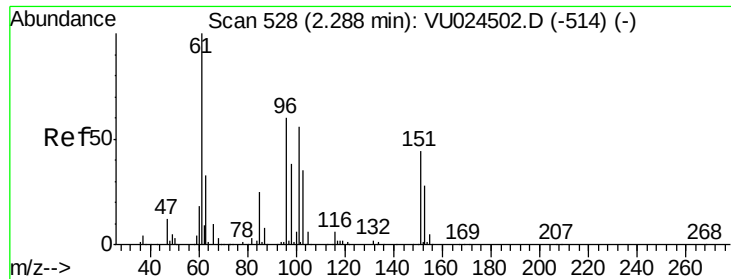


#8

Diethyl Ether
Concen: 54.19 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.71 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

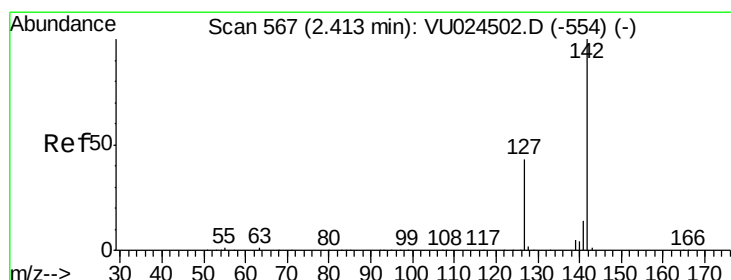
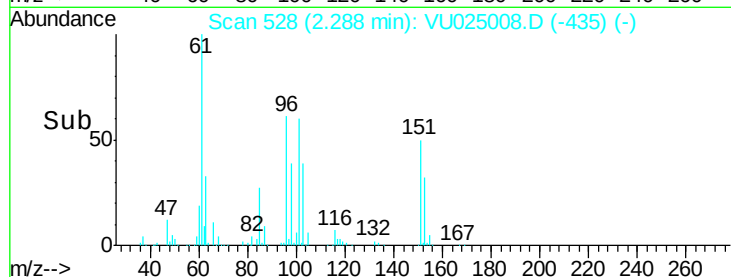
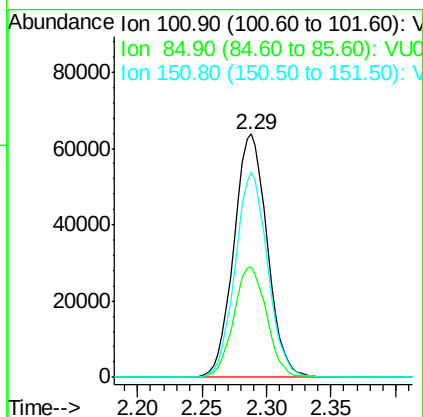
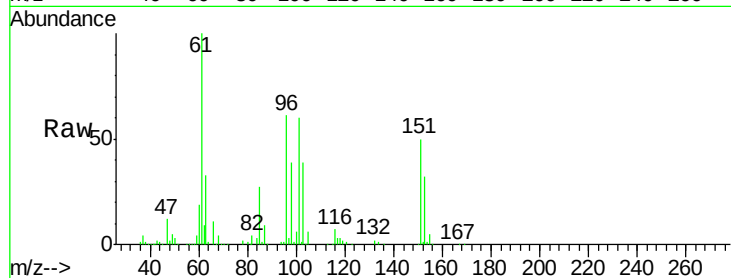
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	114838
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	82.0	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 60.76 ug/l

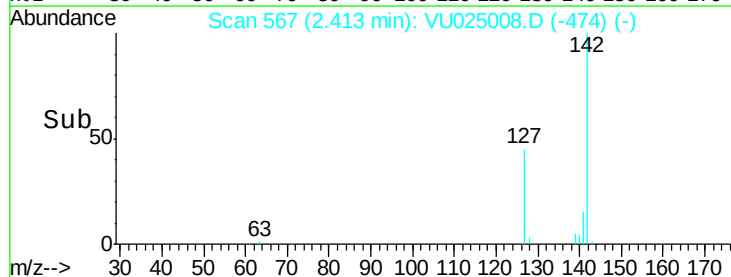
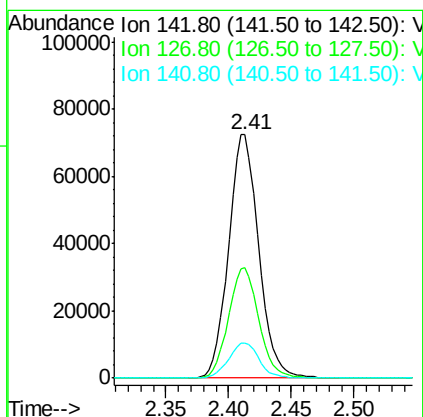
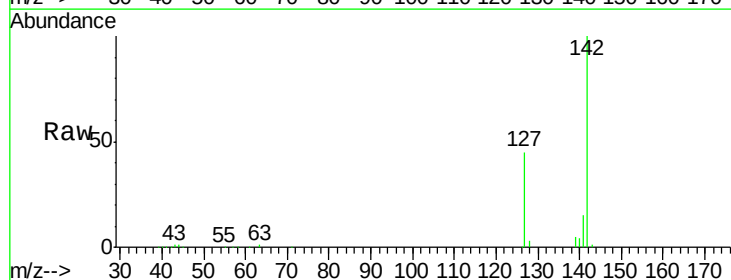
RT: 2.41 min Scan# 567

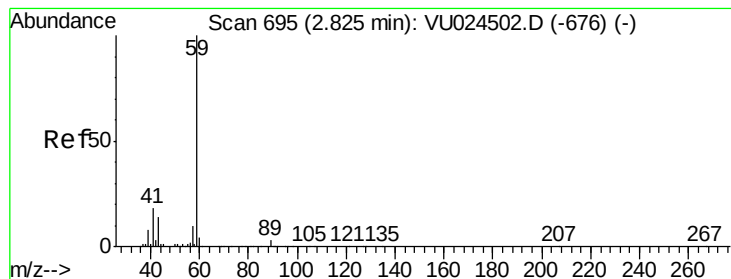
Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	142	Resp:	121281
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.6	53.4
141	14.5	11.7	17.5





#11

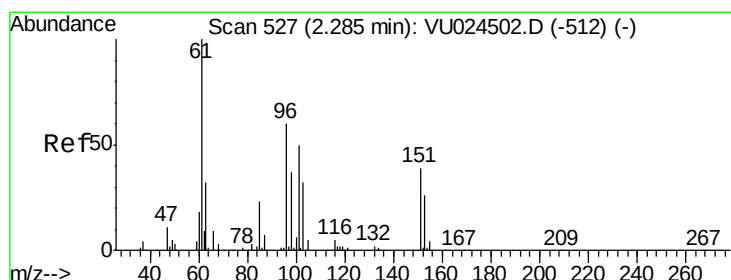
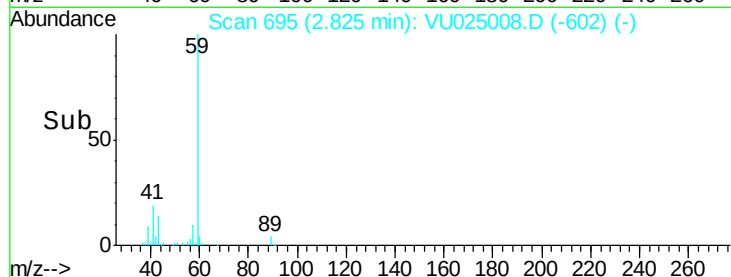
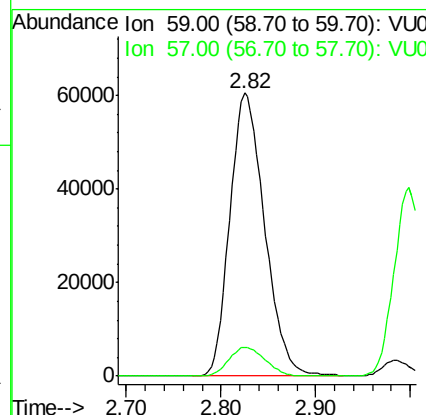
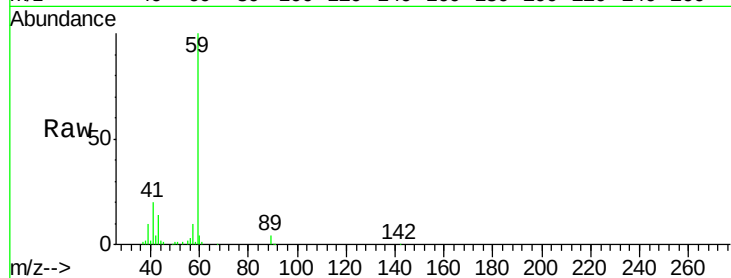
Tert butyl alcohol
 Concen: 210.25 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

Manual Integrations
 APPROVED

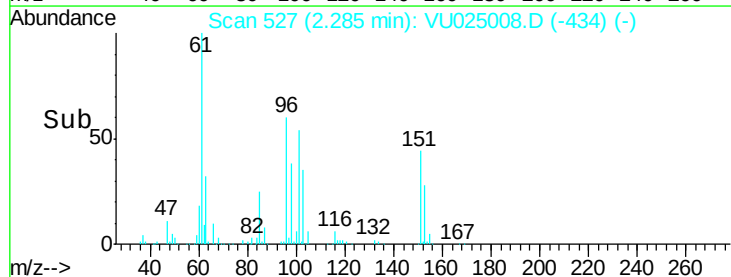
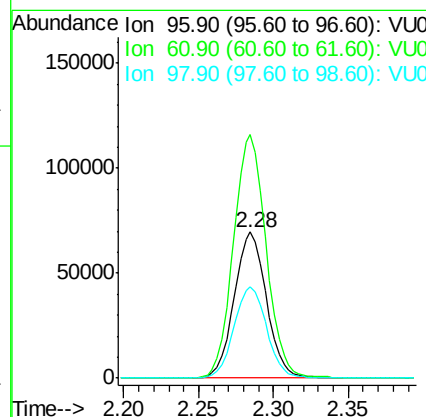
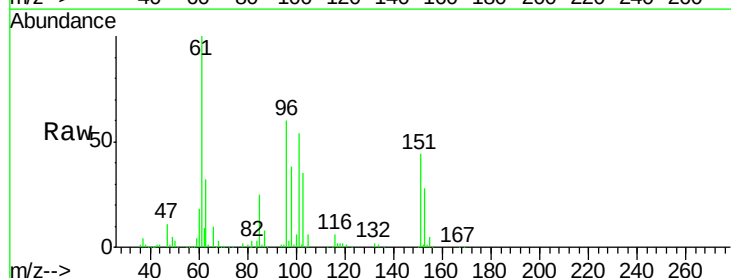
MMDadoda
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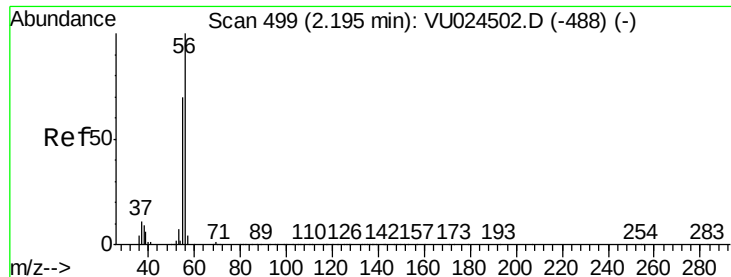


#12

1,1-Dichloroethene
 Concen: 49.62 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	141.7	212.5
98	62.8	51.6	77.4





#13

Acrolein

Concen: 111.65 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 43071

Ion Ratio Lower Upper

56 100

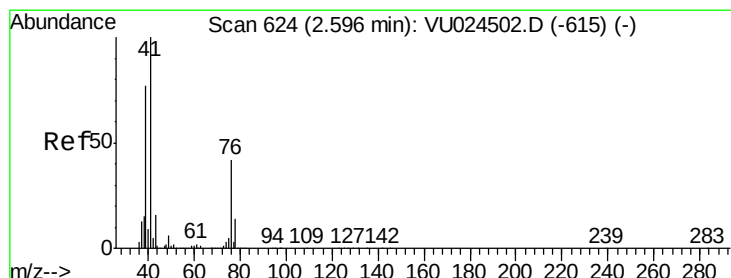
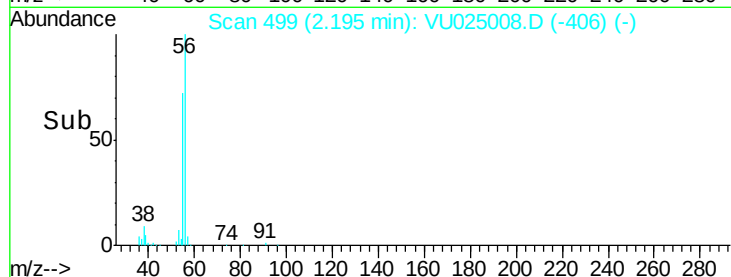
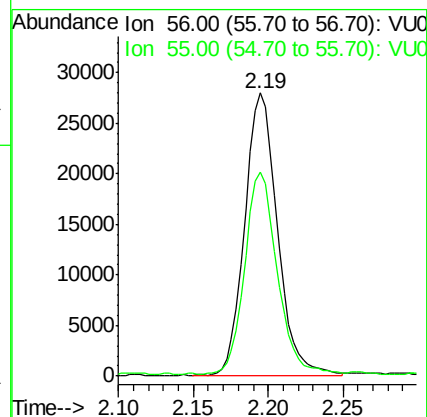
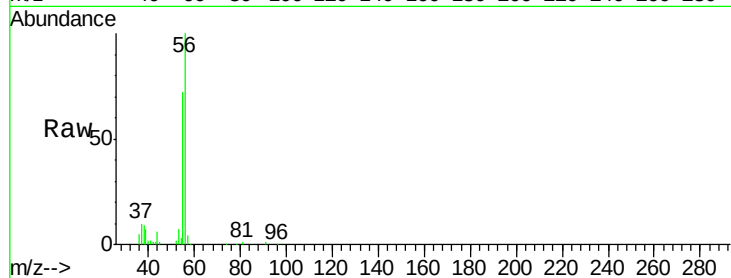
55 69.7 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 51.95 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

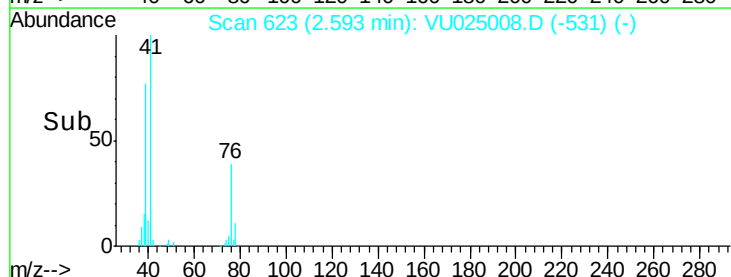
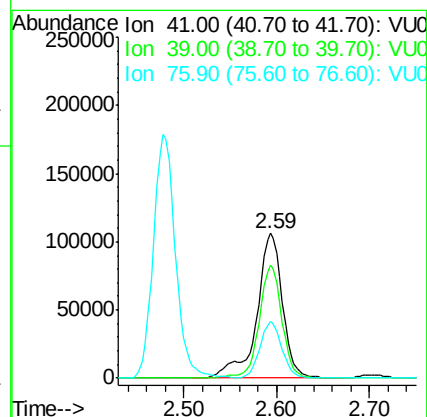
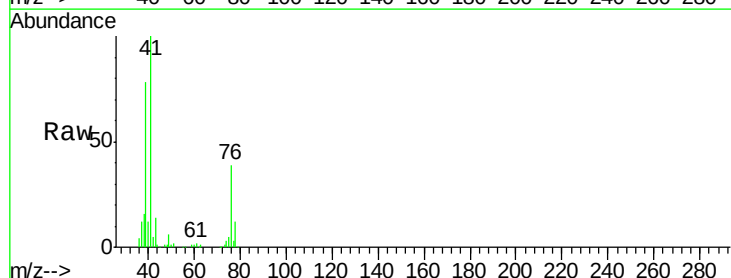
Tgt Ion: 41 Resp: 203228

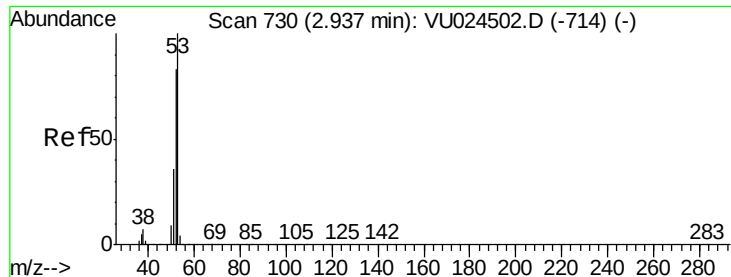
Ion Ratio Lower Upper

41 100

39 68.7 61.6 92.4

76 33.7 29.7 44.5





#15

Acrylonitrile

Concen: 230.41 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

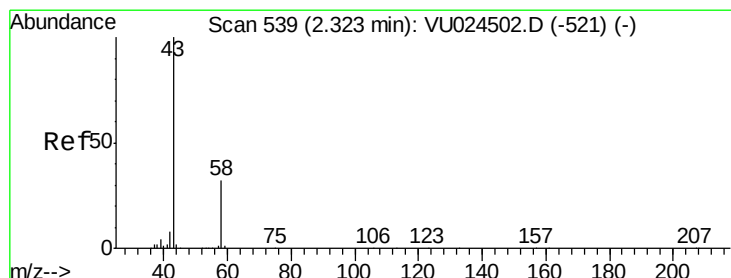
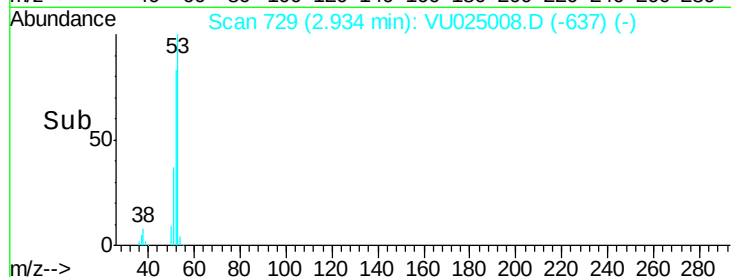
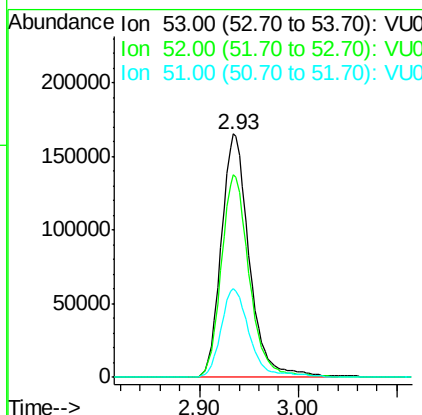
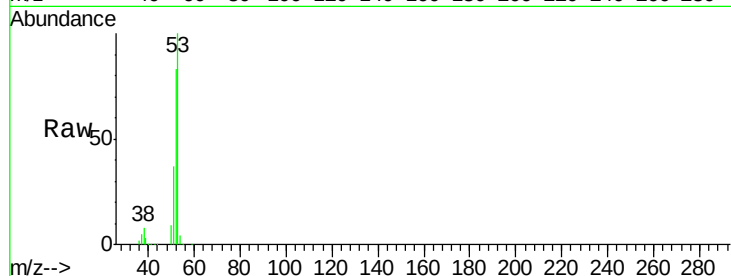
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	329320
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	37.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 318.12 ug/l

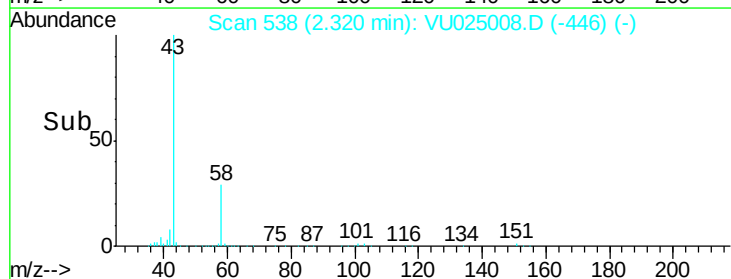
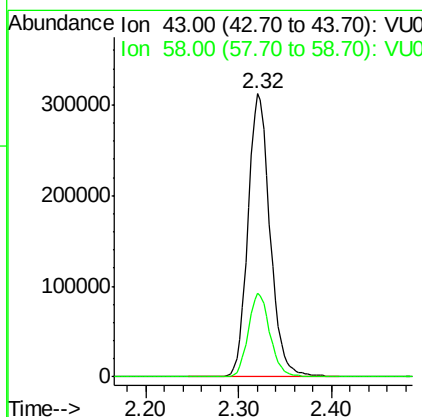
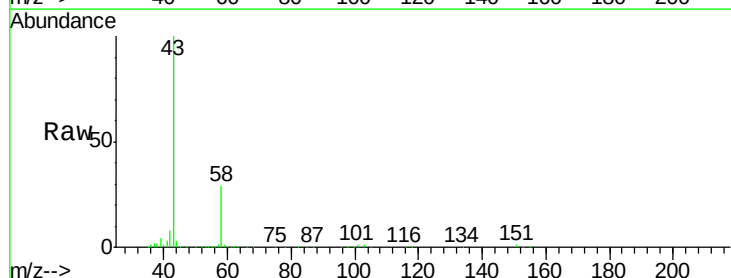
RT: 2.32 min Scan# 538

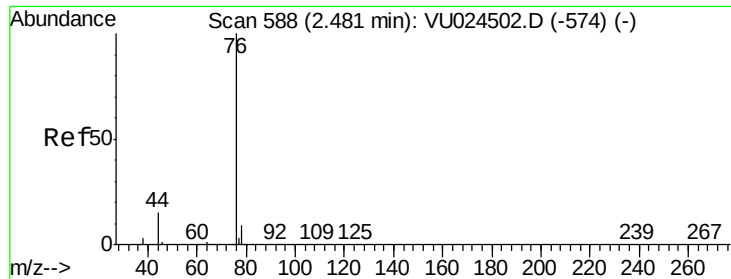
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	43	Resp:	516278
Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.4	36.6





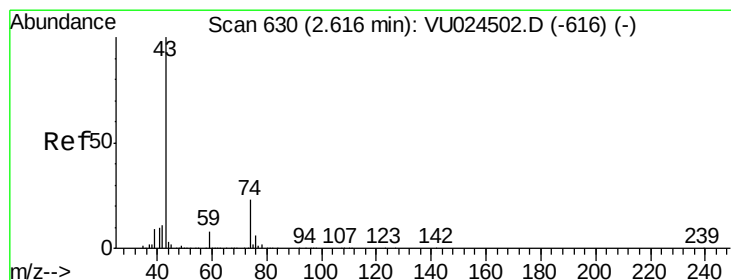
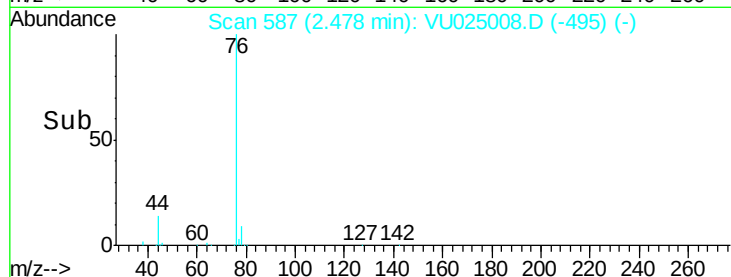
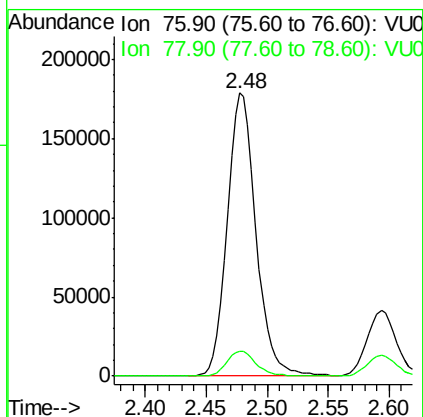
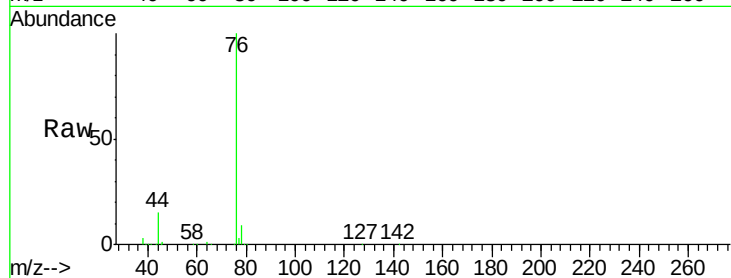
#17
Carbon Disulfide
Concen: 43.77 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

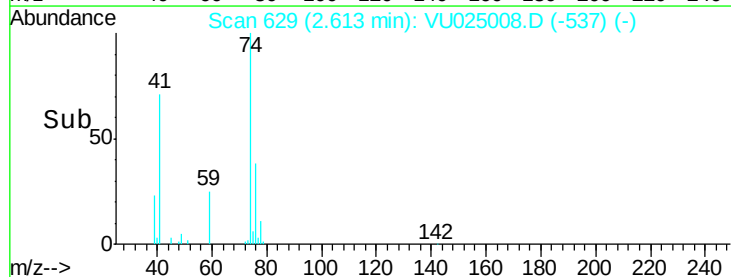
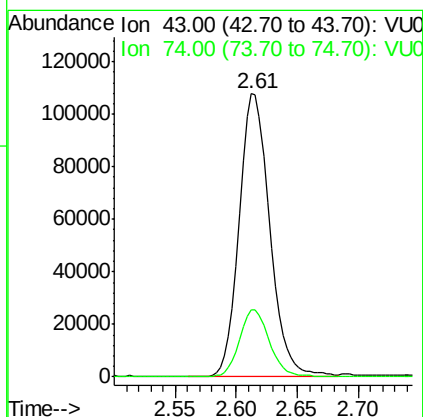
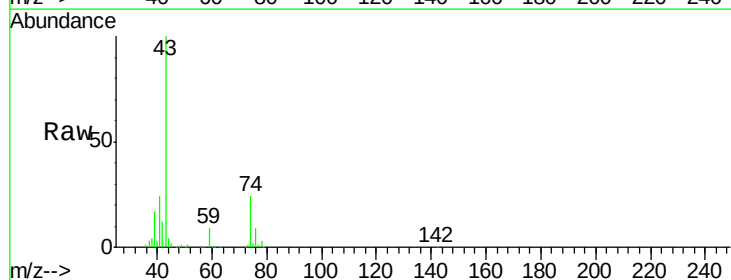
Manual Integrations
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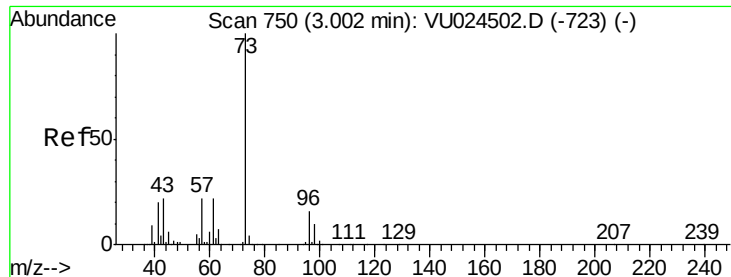
MMDadoda
6/29/2018 4:23:25 PM



#18
Methyl Acetate
Concen: 53.58 ug/l
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.0	27.0





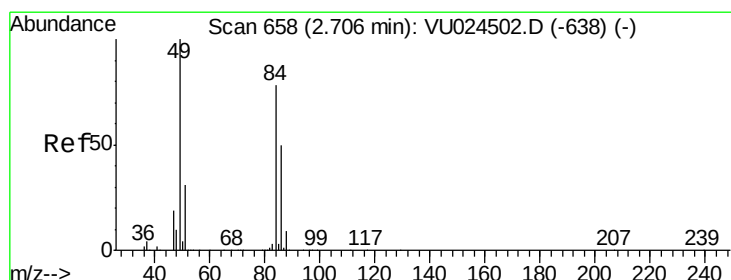
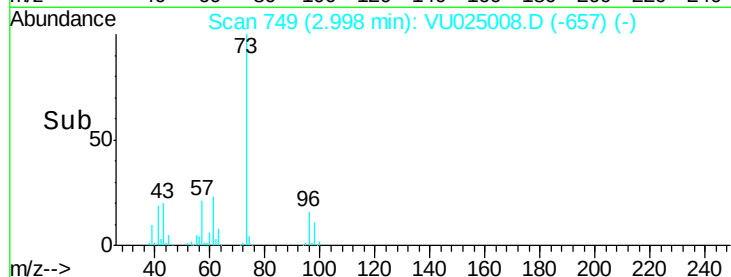
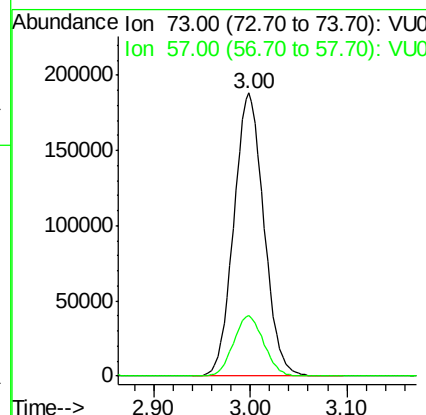
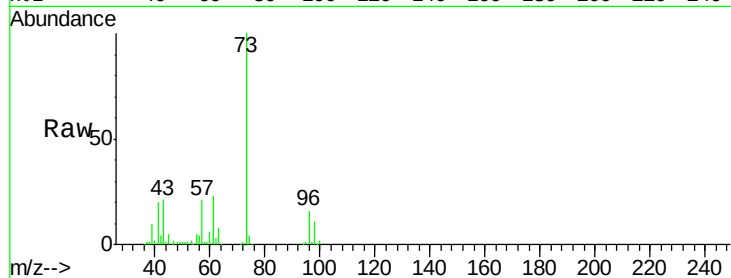
#19
Methyl tert-butyl Ether
Concen: 51.25 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.8	28.2

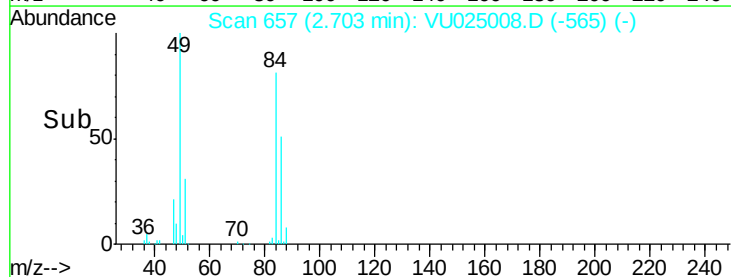
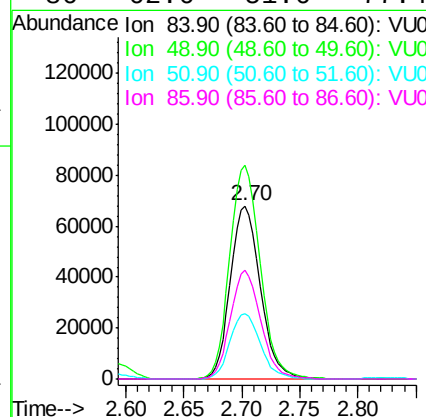
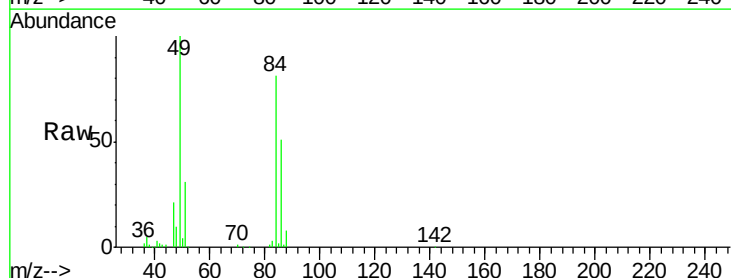
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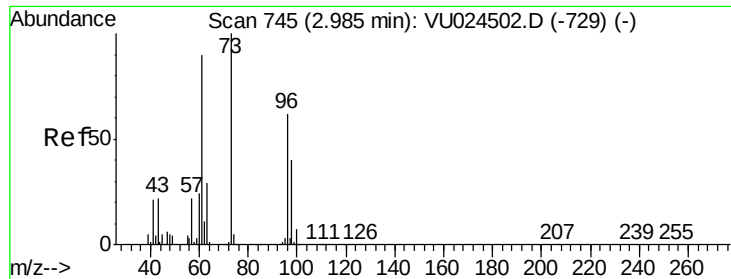
MMDadoda
6/29/2018 4:23:25 PM



#20
Methylene Chloride
Concen: 47.93 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	103.8	155.8
51	38.0	32.0	48.0
86	62.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.84 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

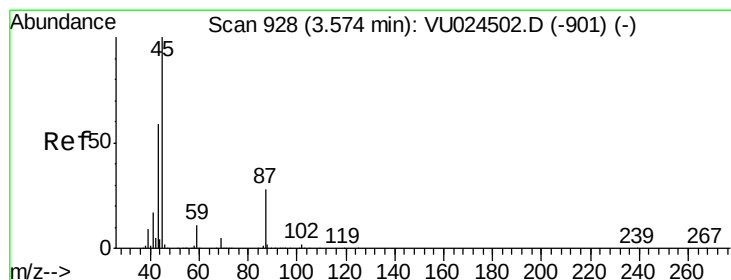
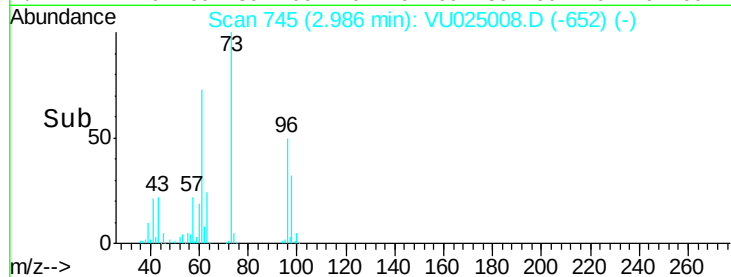
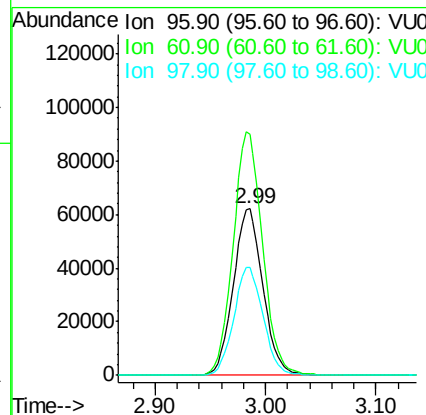
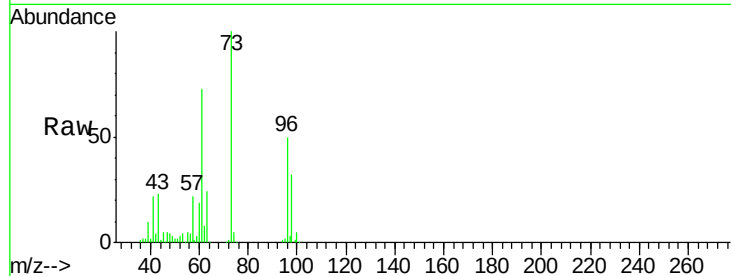
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	115636
Ion Ratio	Lower	Upper	
96	100		
61	144.8	119.4	179.0
98	64.5	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.79 ug/l

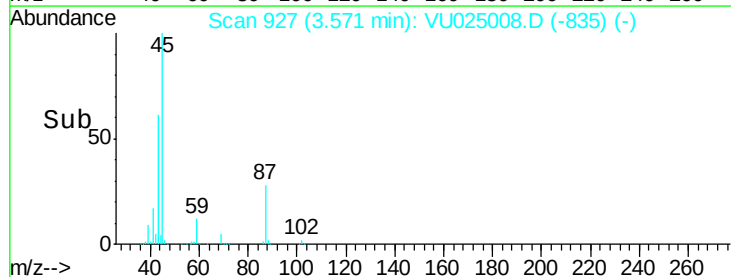
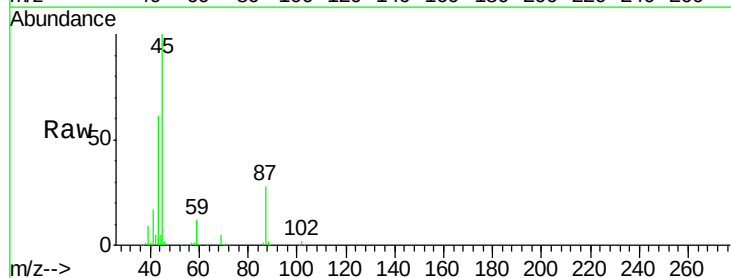
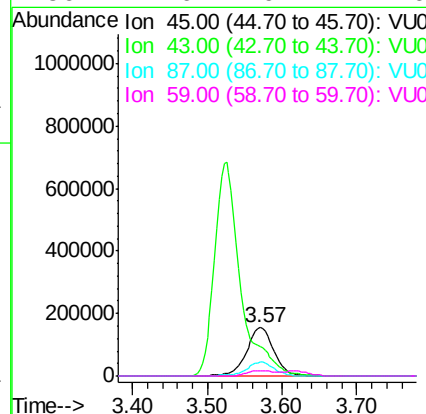
RT: 3.57 min Scan# 927

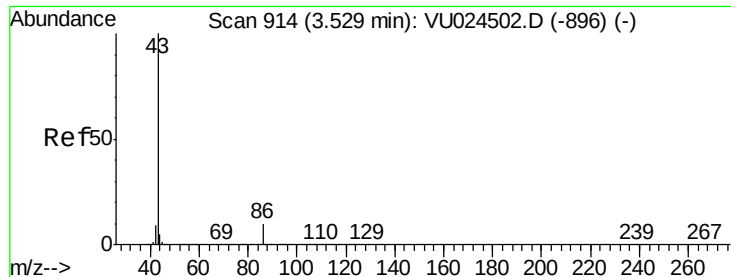
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	45	Resp:	393861
Ion Ratio	Lower	Upper	
45	100		
43	60.2	45.8	68.6
87	28.4	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 238.29 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tot Ion: 43 Resp: 1655200

Ion Ratio Lower Upper

43 100

86 10.1 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

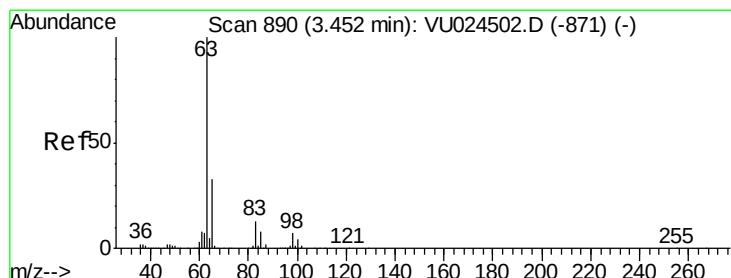
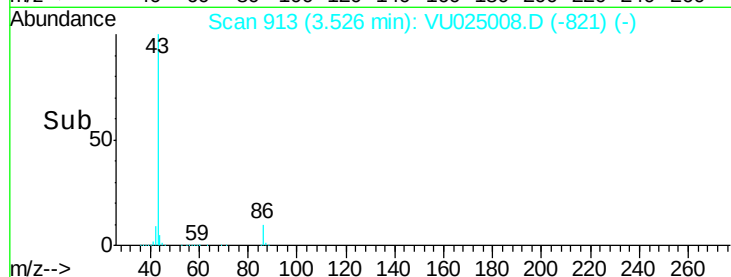
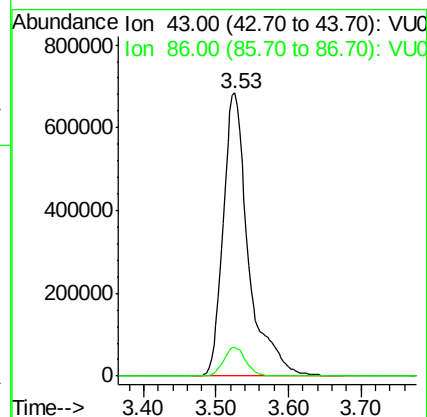
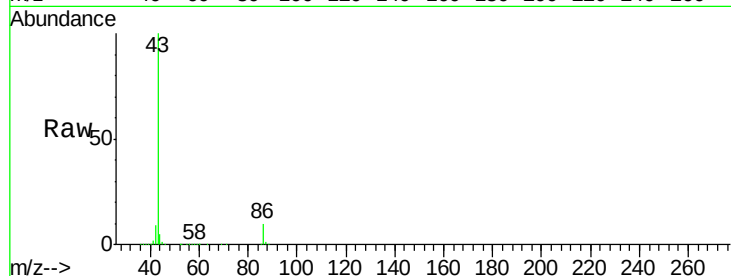
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.48 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

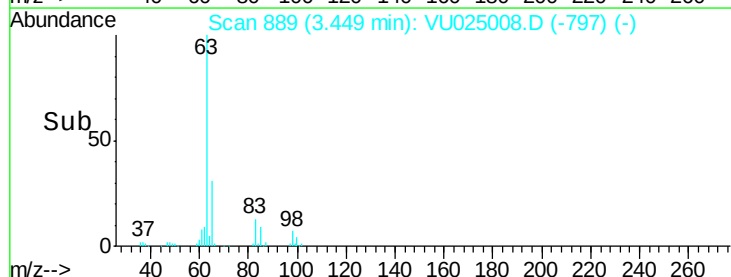
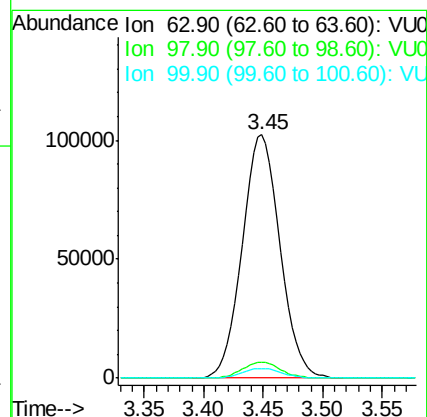
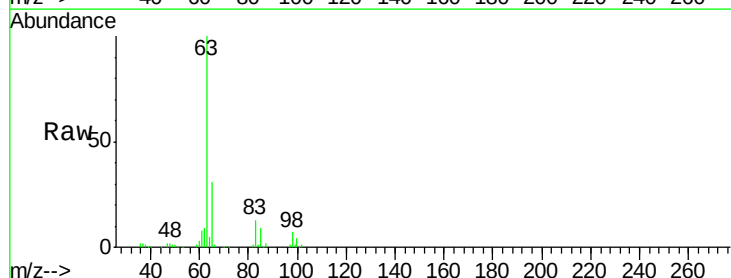
Tgt Ion: 63 Resp: 225164

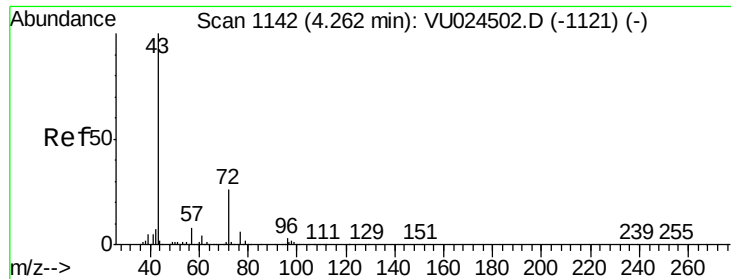
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 267.70 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 583574

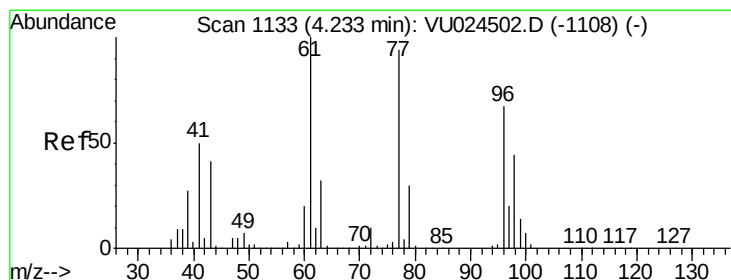
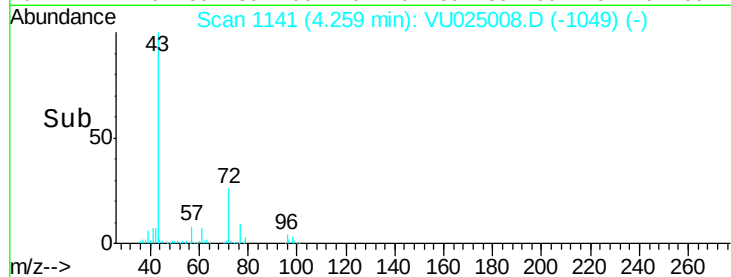
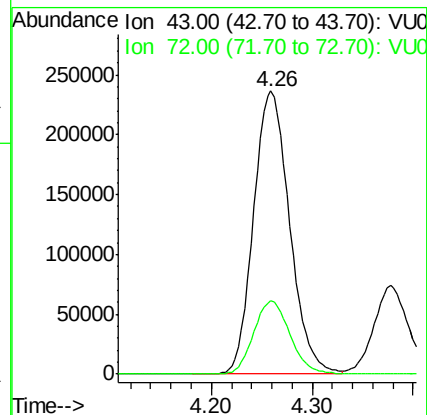
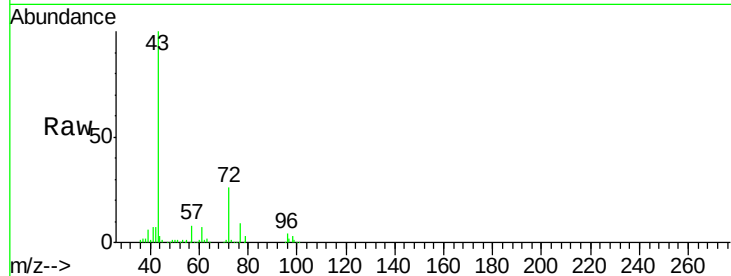
Ion Ratio Lower Upper

43 100

72 25.9 19.6 29.4

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 51.71 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025008.D

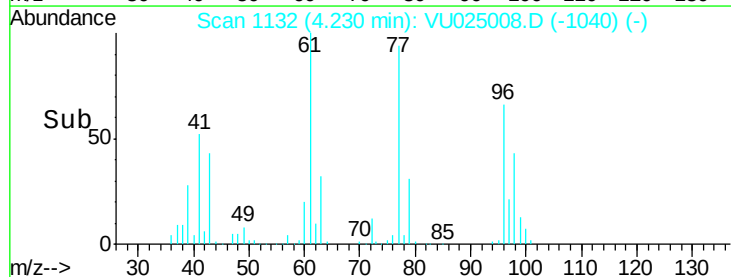
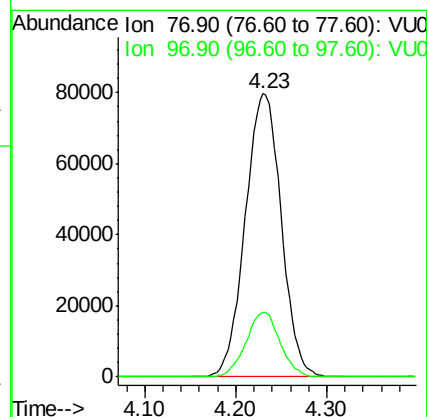
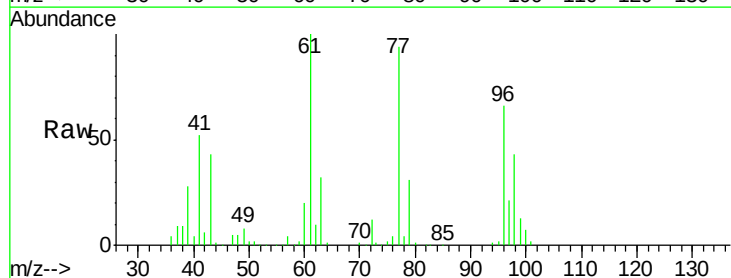
Acq: 28 Jun 2018 10:01

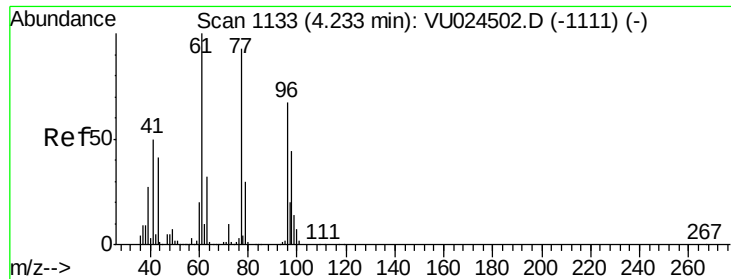
Tgt Ion: 77 Resp: 219038

Ion Ratio Lower Upper

77 100

97 21.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 50.45 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

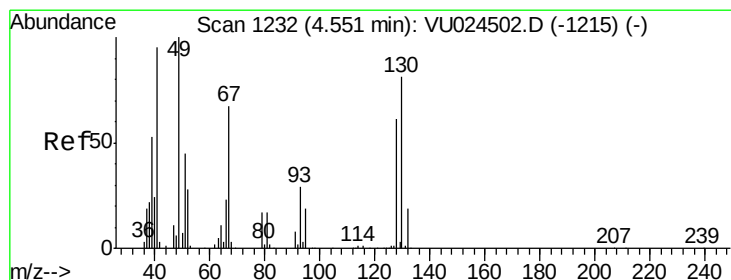
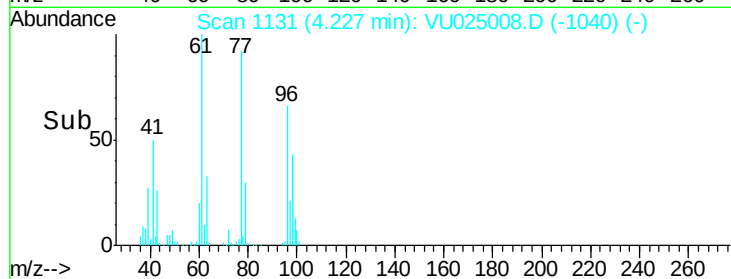
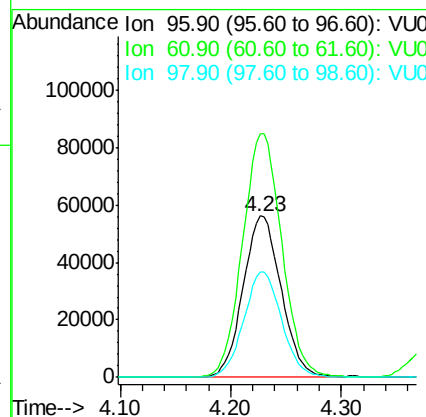
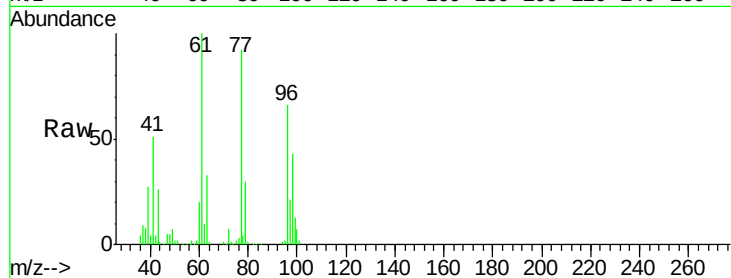
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.8	0.0	306.6
98	65.2	0.0	128.8

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#28

Bromochloromethane

Concen: 49.06 ug/l

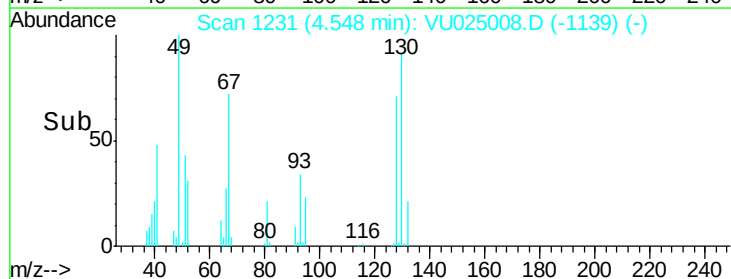
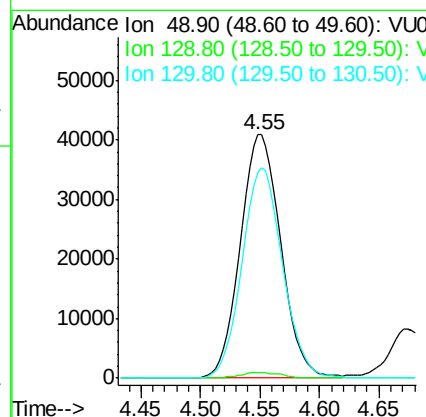
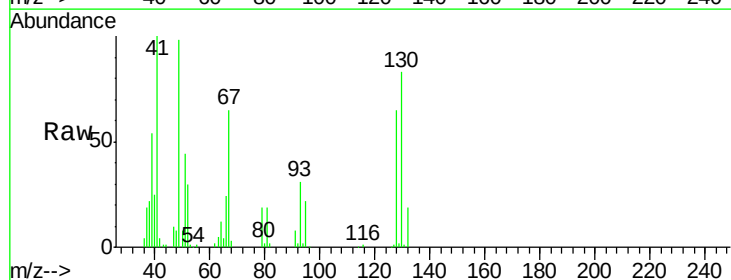
RT: 4.55 min Scan# 1231

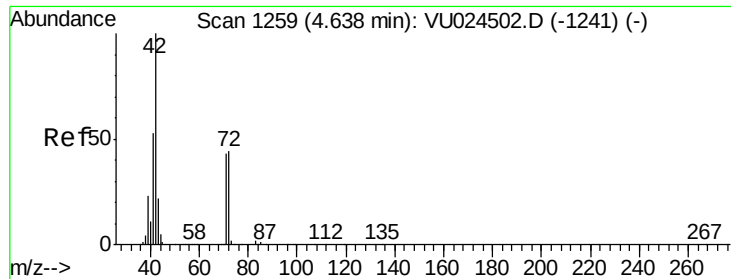
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	86.6	57.8	86.6





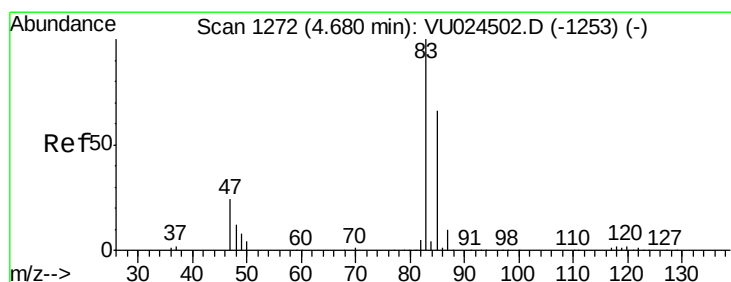
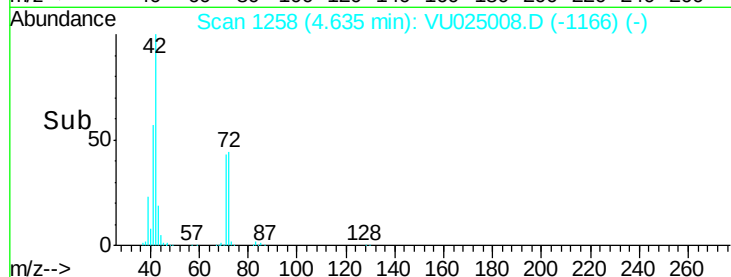
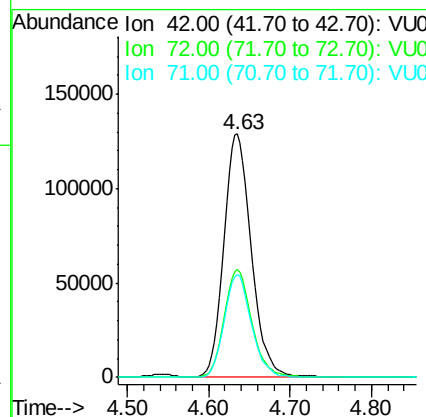
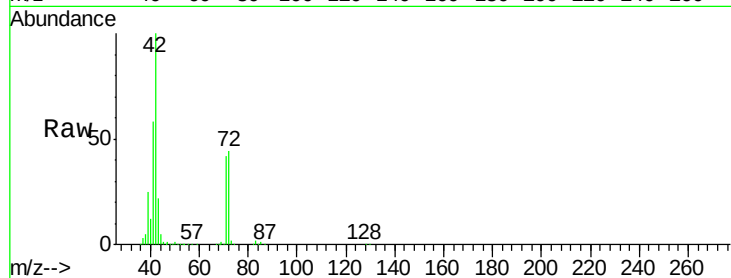
#29
Tetrahydrofuran
Concen: 226.42 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.5	51.7
71	41.9	32.2	48.4

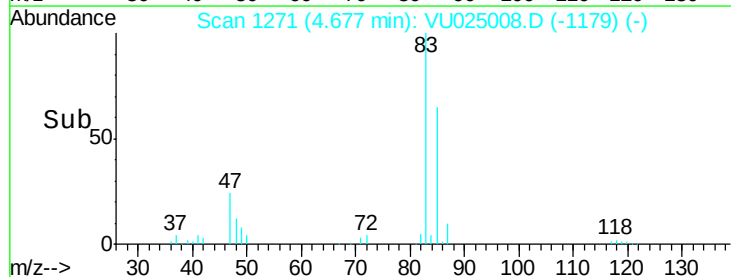
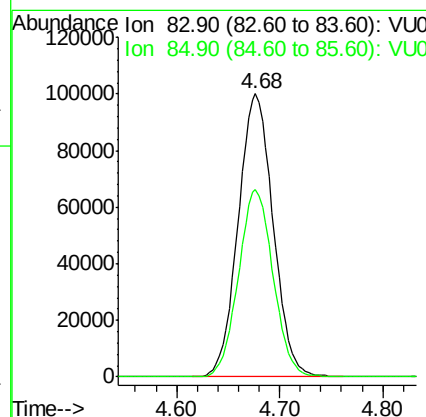
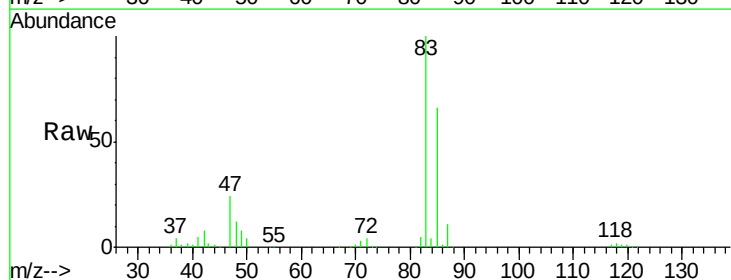
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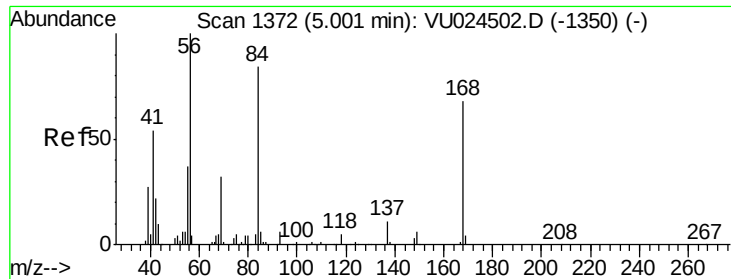
MMDadoda
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#30
Chloroform
Concen: 52.20 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6





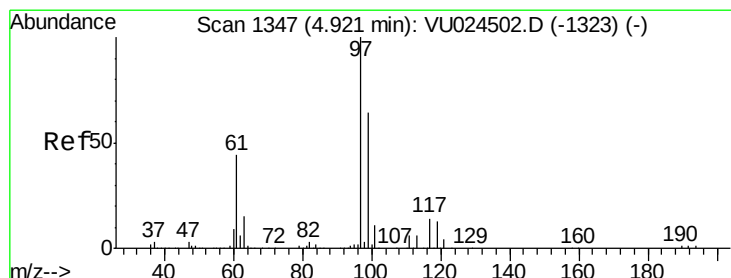
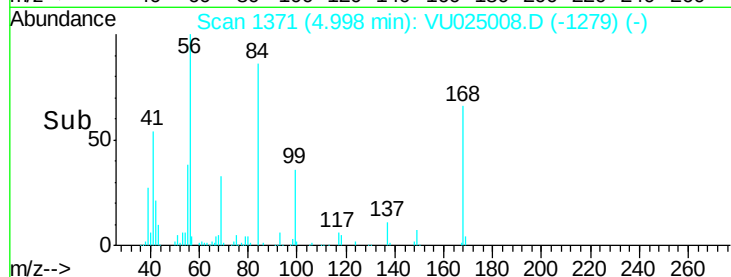
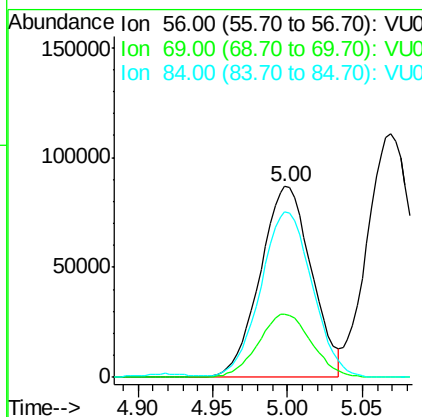
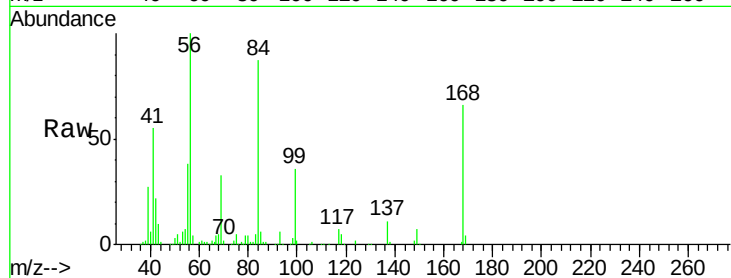
#31
Cyclohexane
Concen: 52.33 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.8	37.2
84	85.7	65.2	97.8

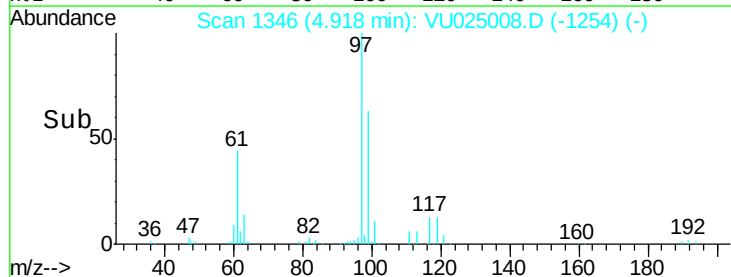
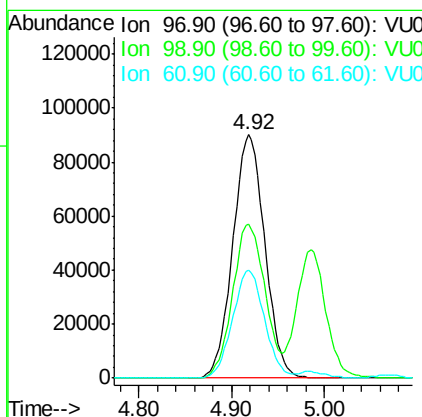
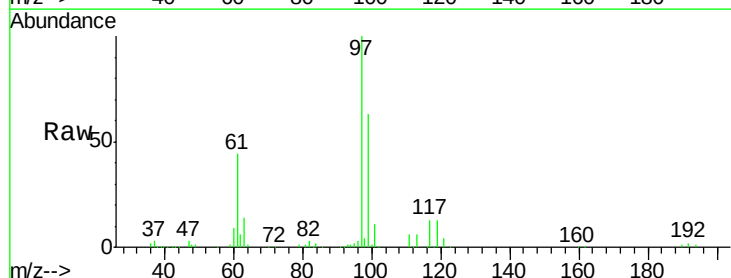
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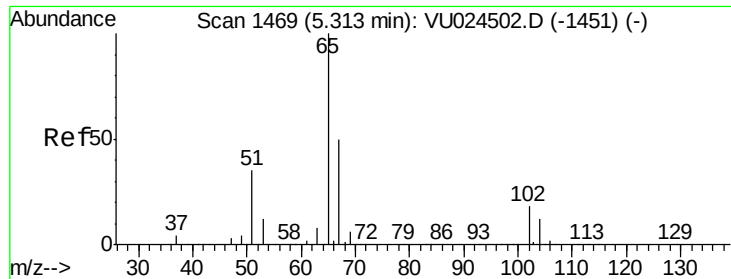
MMDadoda
6/29/2018 4:23:25 PM



#32
1,1,1-Trichloroethane
Concen: 51.69 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	44.2	39.4	59.0





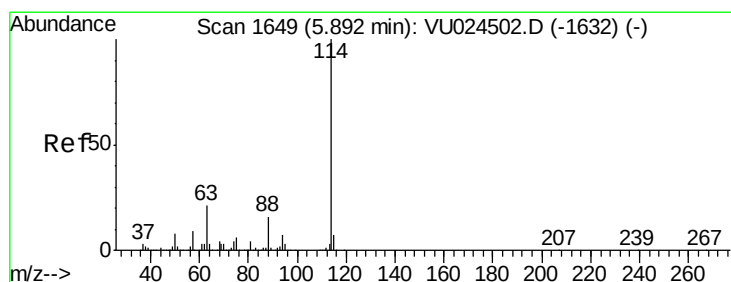
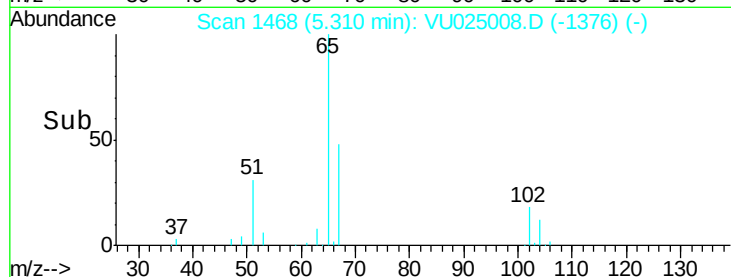
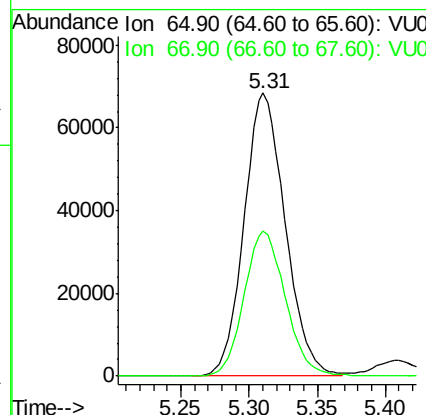
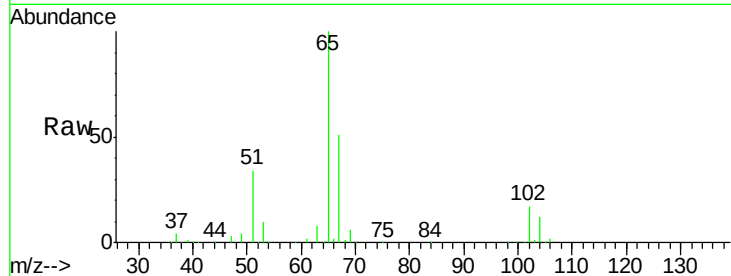
#33
 1,2-Dichloroethane-d4
 Concen: 47.41 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143196		
67	51.4	0.0	107.0	

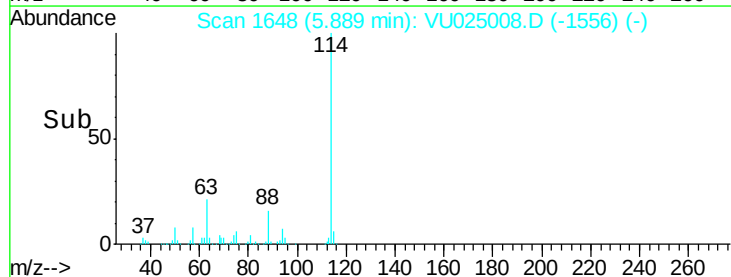
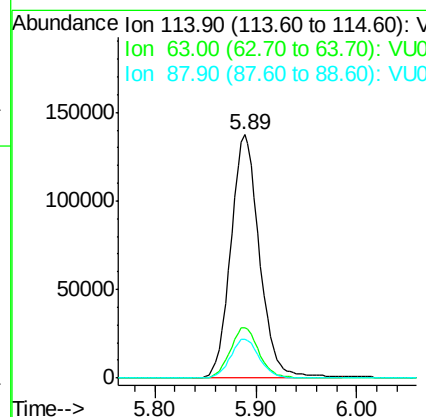
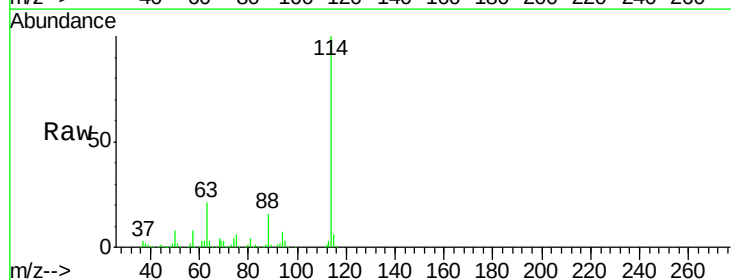
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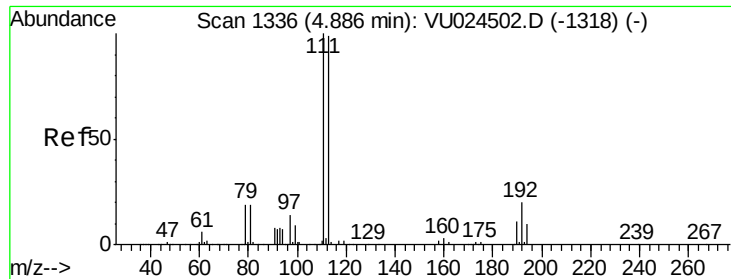
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	272611		
63	20.9	0.0	45.4	
88	16.1	0.0	31.0	





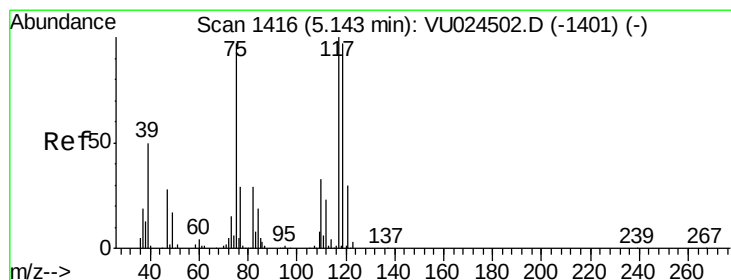
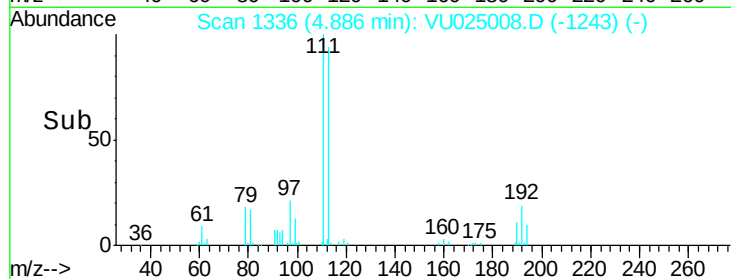
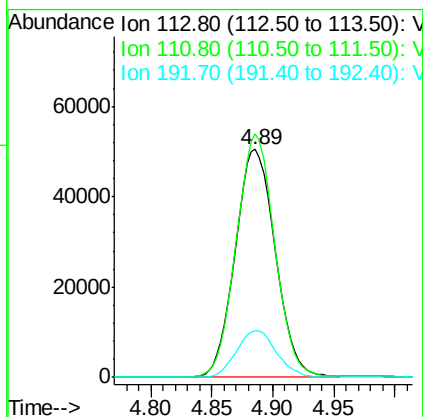
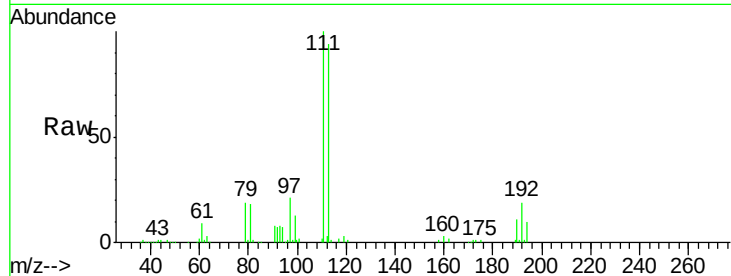
#35
 Dibromofluoromethane
 Concen: 50.92 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115210		
111	102.2	82.2	123.4	
192	20.5	16.2	24.4	

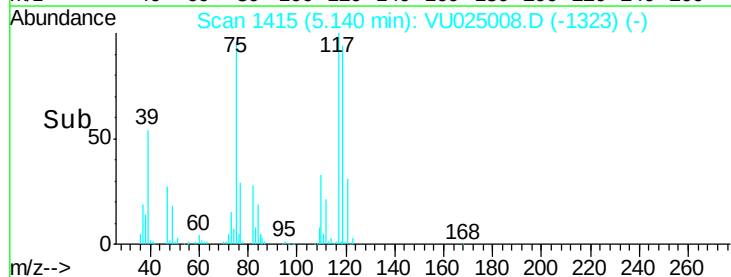
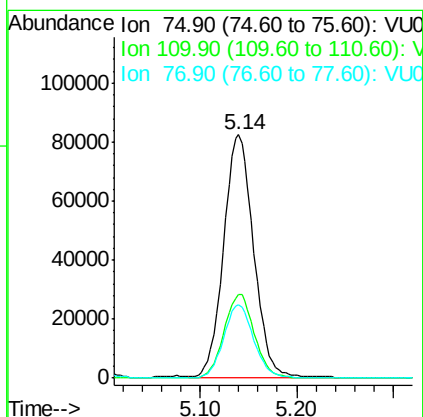
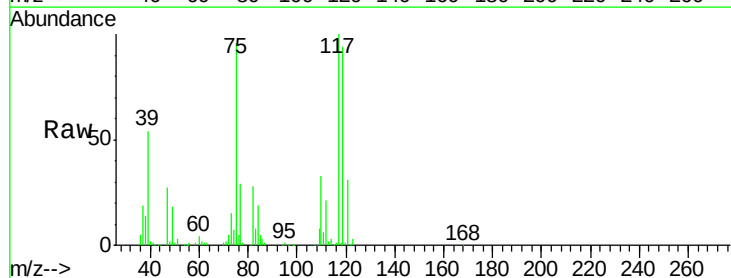
Manual Integrations
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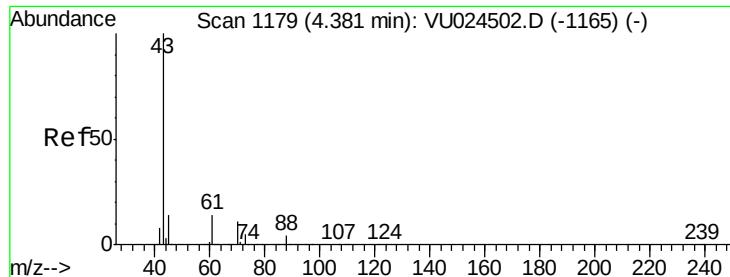
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#36
 1,1-Dichloropropene
 Concen: 55.11 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176537		
110	35.1	17.0	50.9	
77	29.7	24.2	36.4	





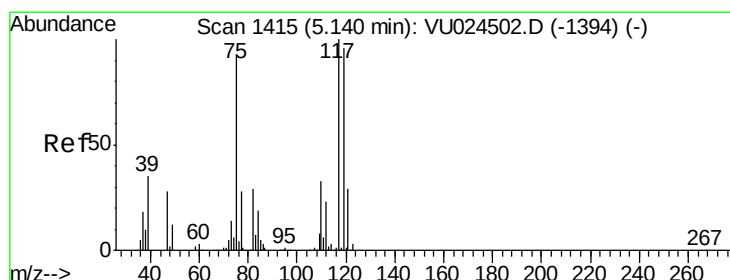
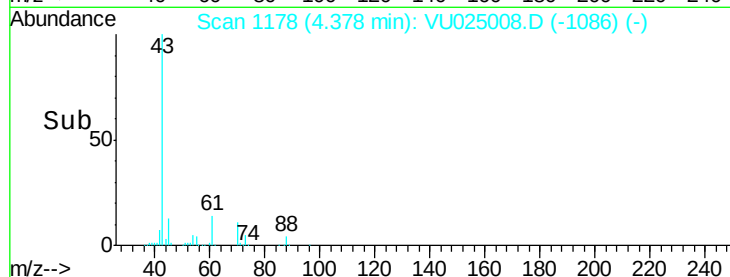
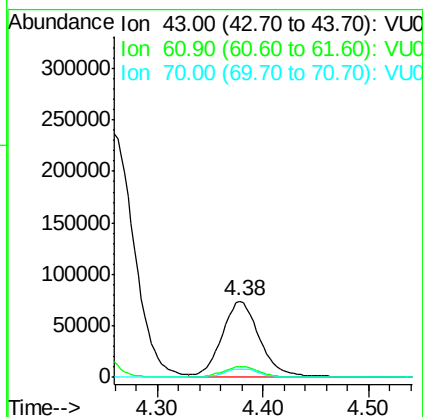
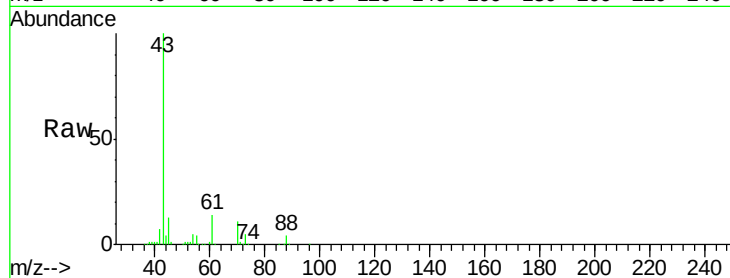
#37
Ethyl Acetate
Concen: 51.68 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

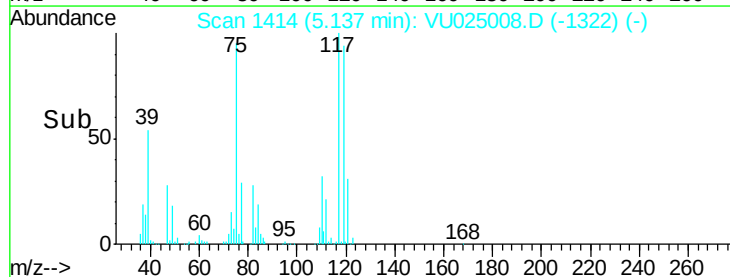
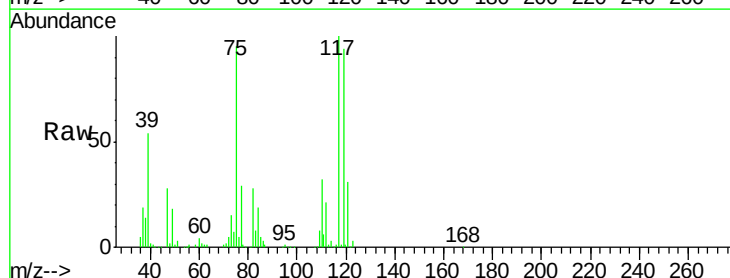
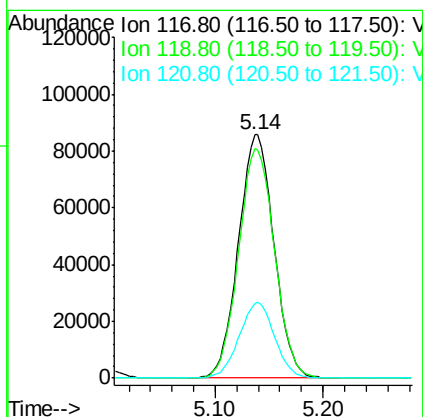
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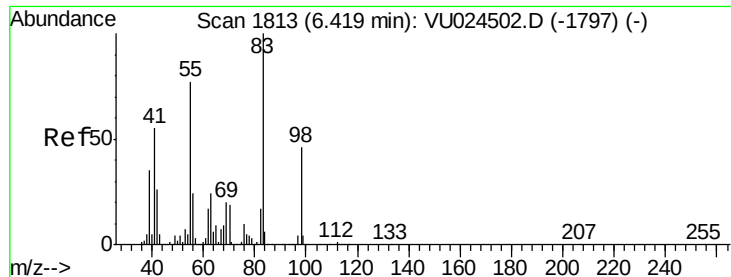
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#38
Carbon Tetrachloride
Concen: 55.68 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.1	114.1
121	30.5	23.7	35.5





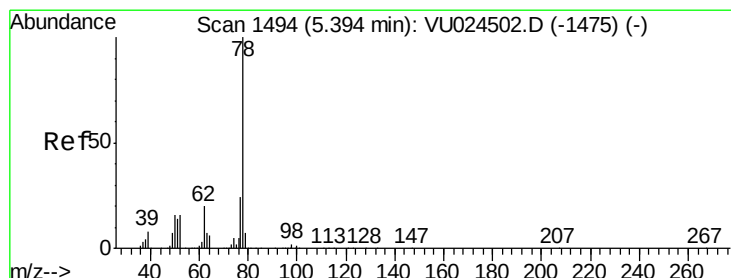
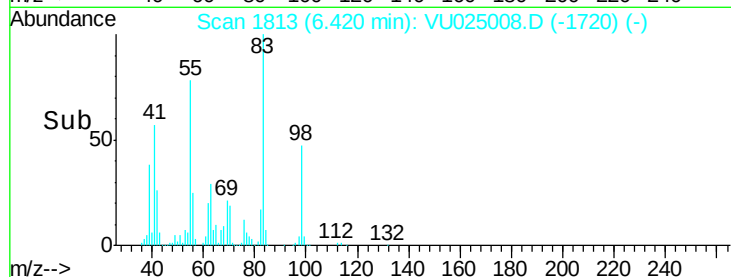
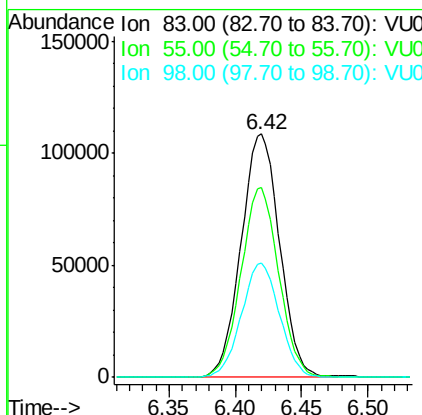
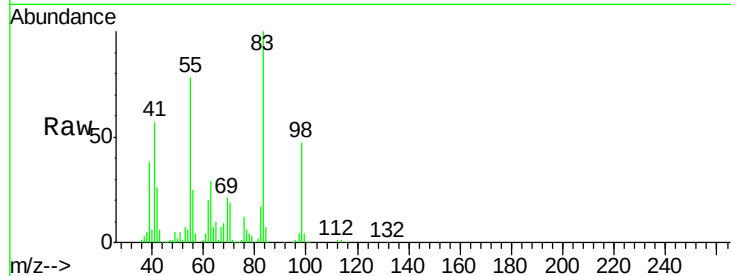
#39
Methylvlcyclohexane
Concen: 55.07 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220131		
55	77.8		65.8	98.6
98	46.8		36.7	55.1

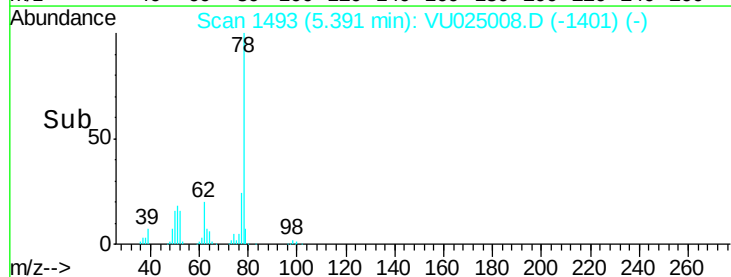
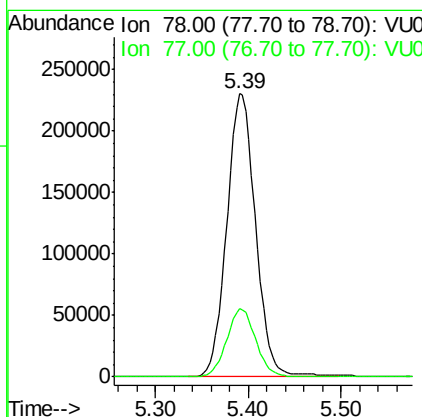
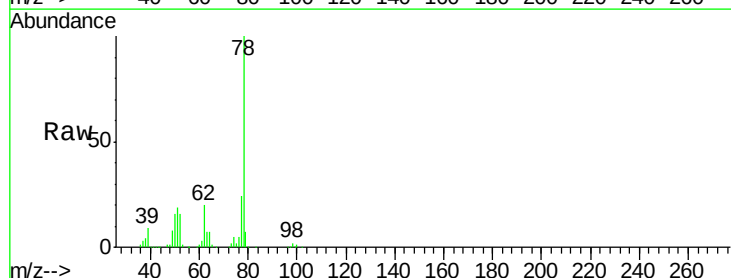
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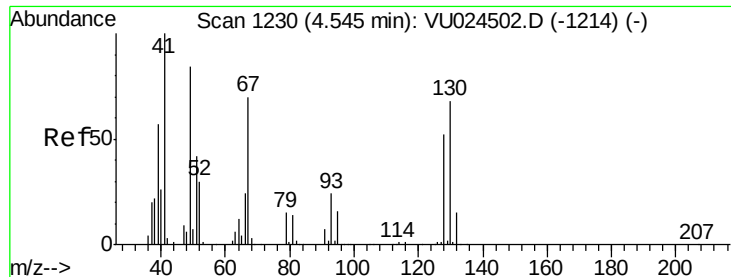
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#40
Benzene
Concen: 54.35 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	496098		
77	24.0		19.2	28.8





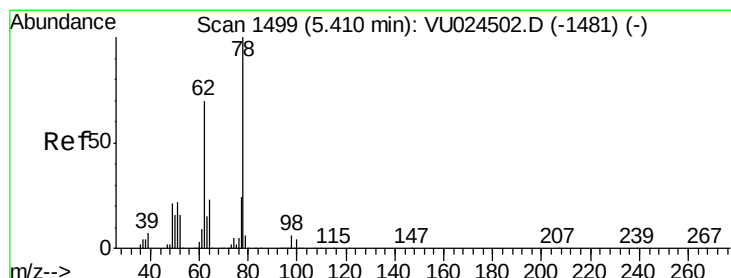
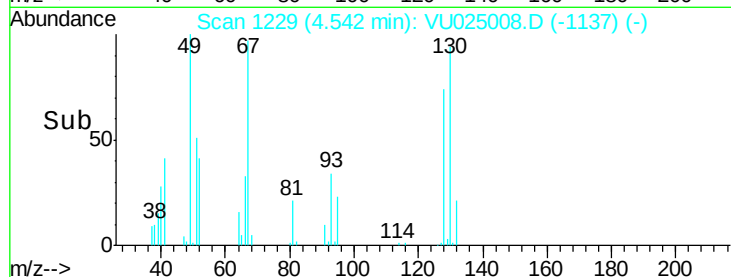
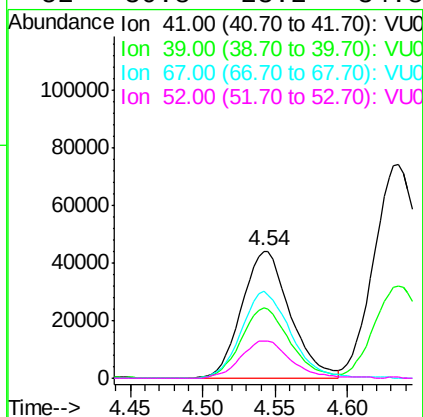
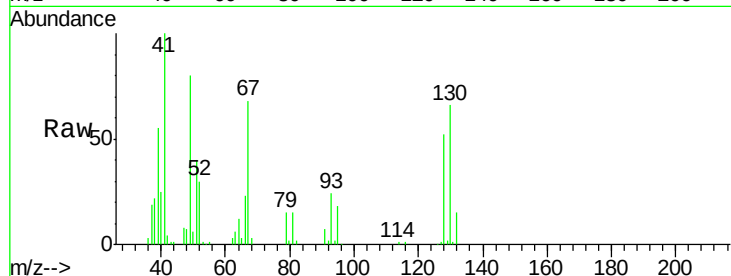
#41
Methacrylonitrile
Concen: 54.14 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		101908		
39	55.9	43.8	65.6		
67	70.0	56.3	84.5		
52	30.8	23.2	34.8		

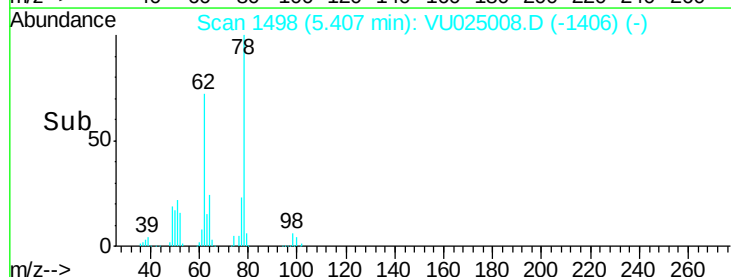
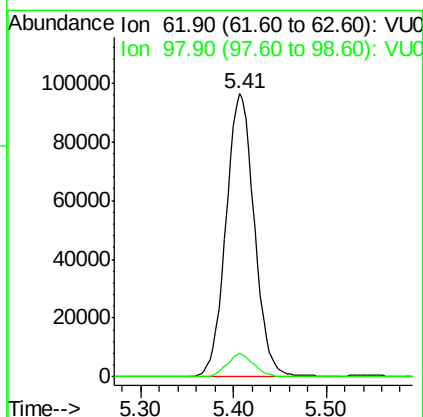
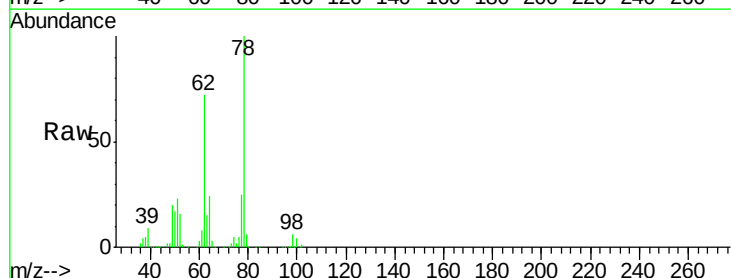
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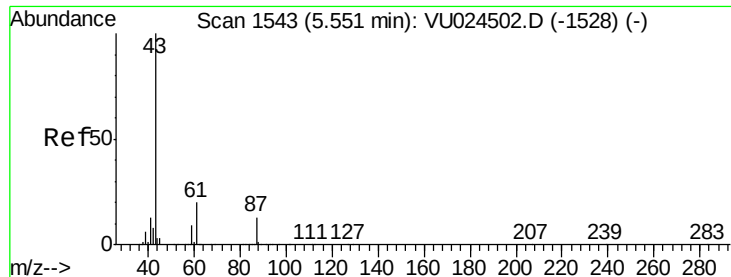
MMDadoda
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#42
1,2-Dichloroethane
Concen: 58.82 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		204479		
98	7.7	0.0	16.6		





#43

Isopropyl Acetate

Concen: 49.42 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

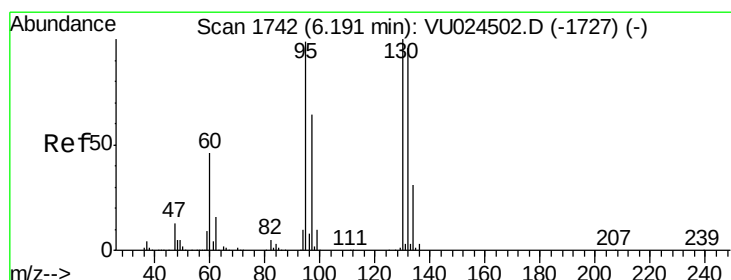
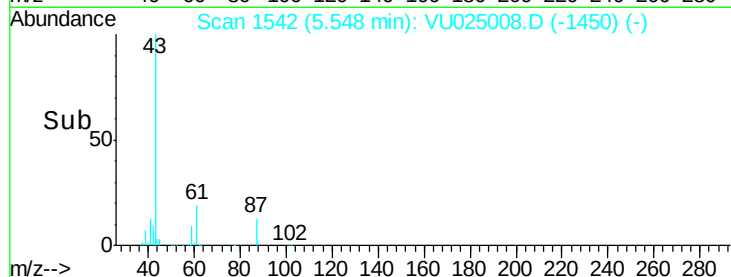
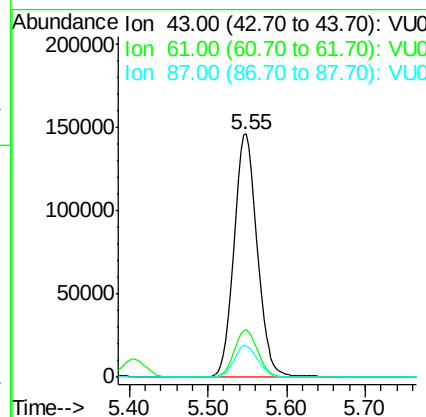
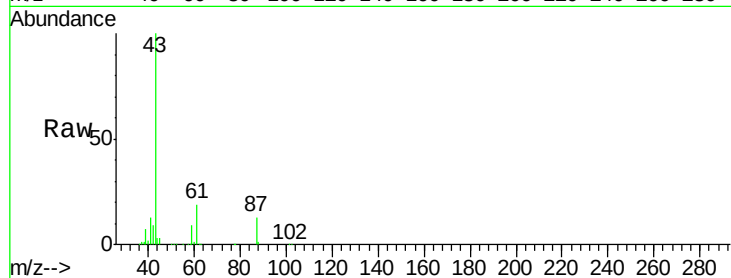
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	298247
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	13.2	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 52.89 ug/l

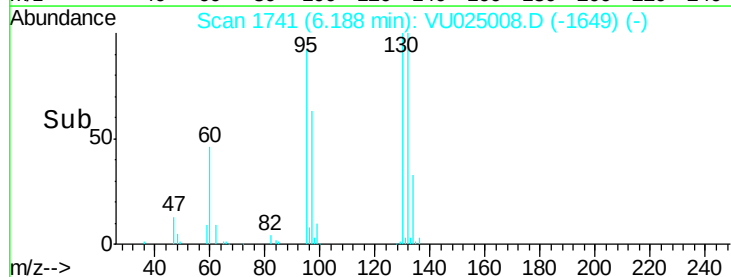
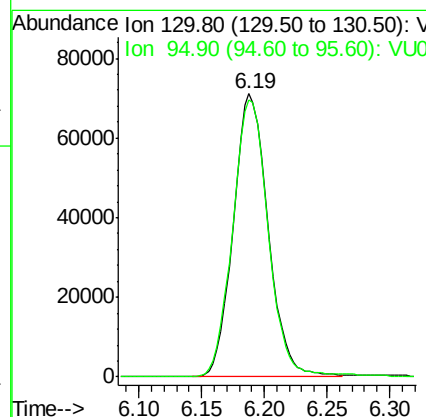
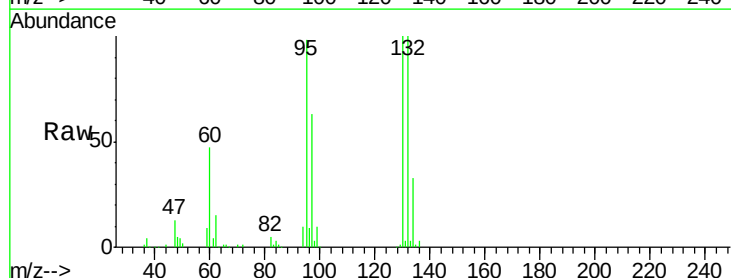
RT: 6.19 min Scan# 1741

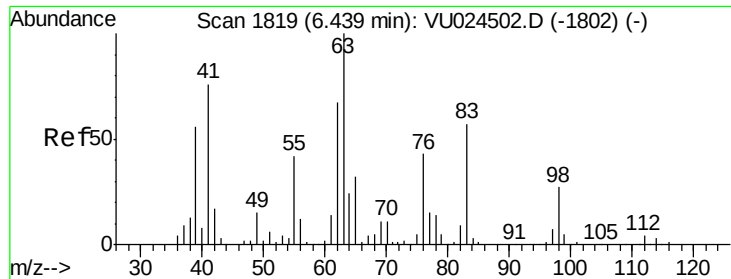
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	130	Resp:	137392
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	202.4





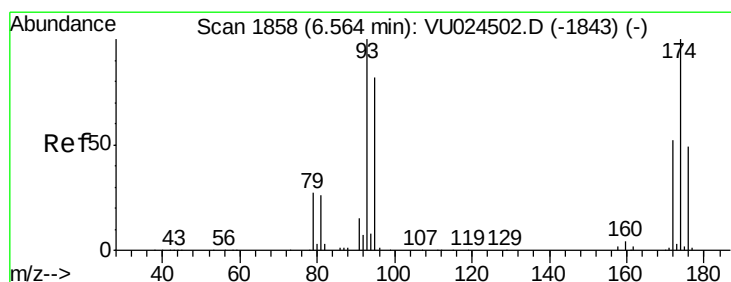
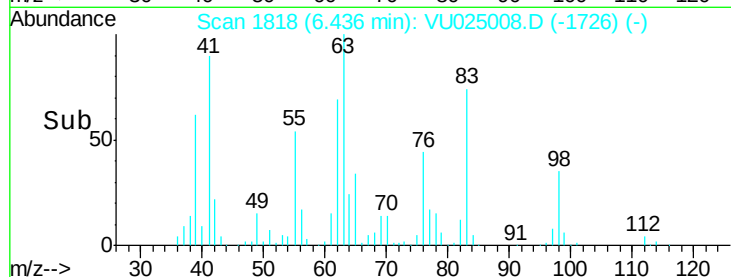
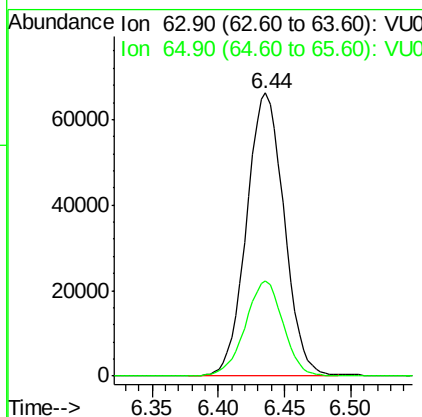
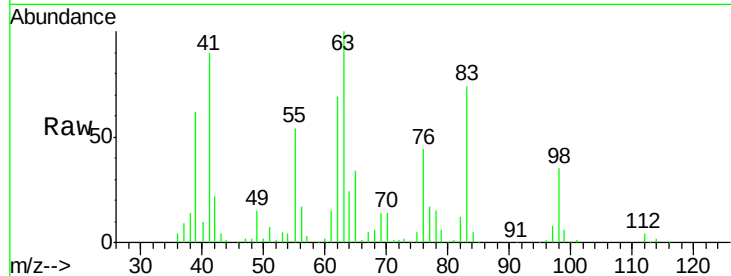
#45
 1,2-Dichloropropane
 Concen: 53.84 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 131126
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.8 37.2

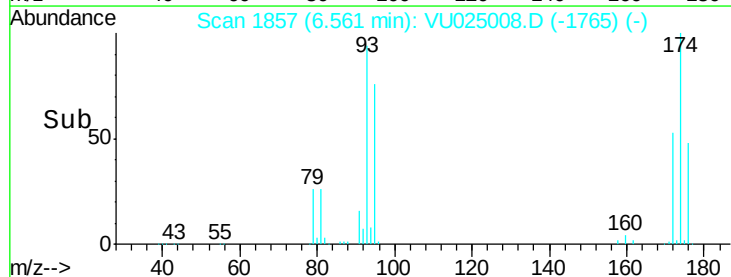
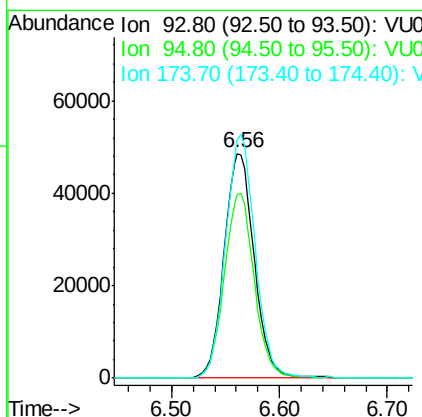
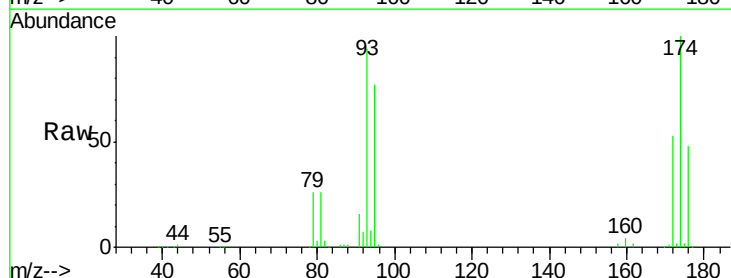
Manual Integrations
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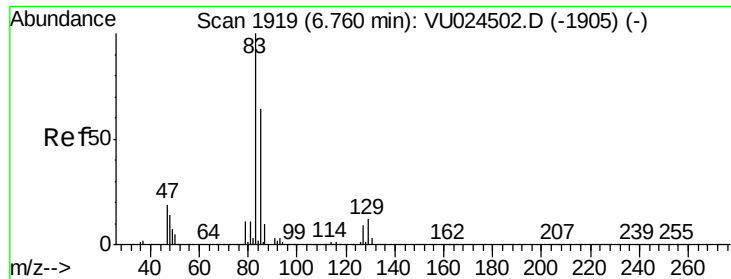
MMDadoda
 6/29/2018 4:23:25 PM



#46
 Dibromomethane
 Concen: 55.21 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion: 93 Resp: 94453
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.5 98.3
 174 106.3 78.7 118.1





#47

Bromodichloromethane

Concen: 53.93 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

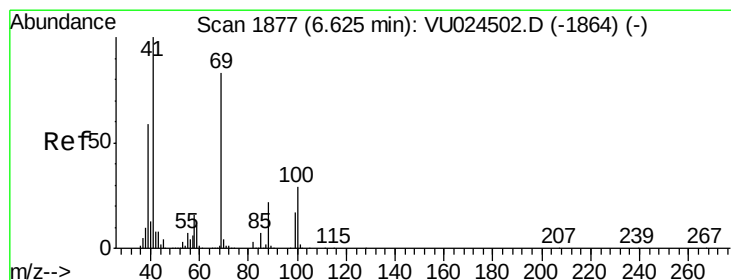
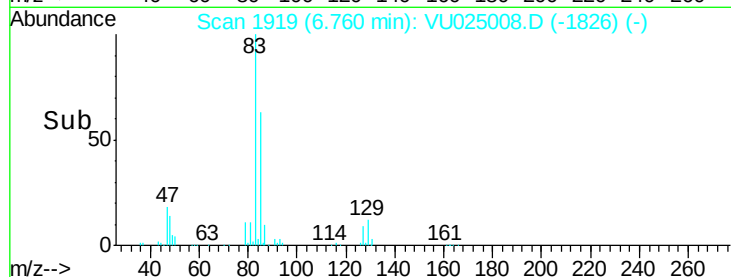
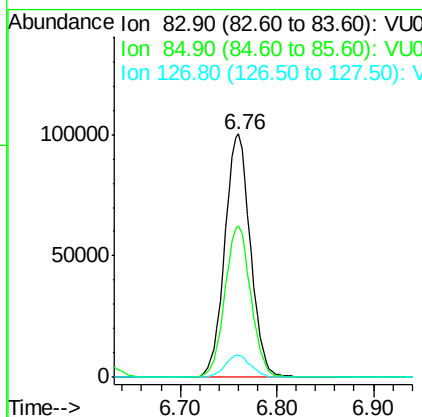
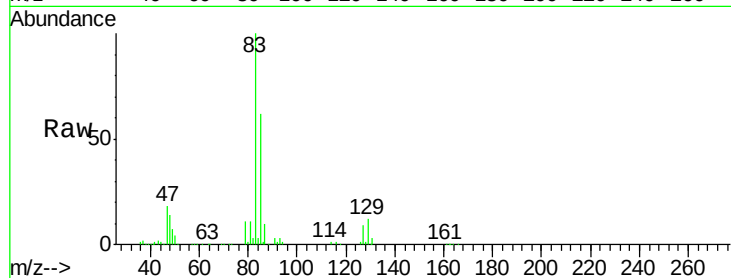
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183721
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.9	77.9
127	9.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.70 ug/l

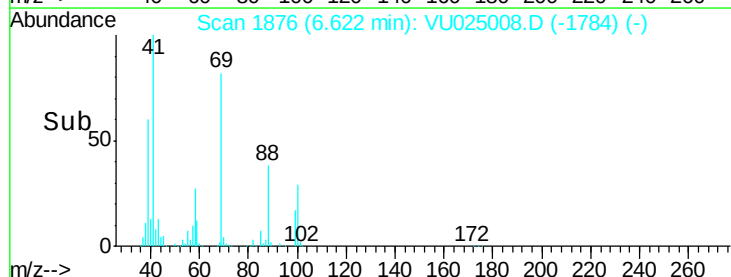
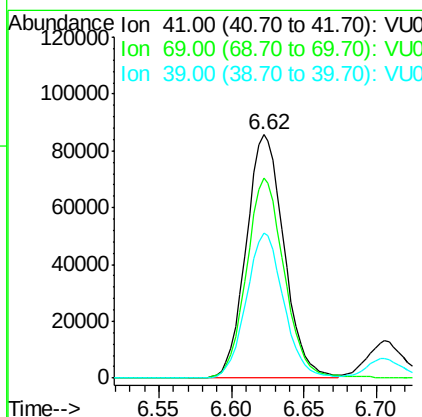
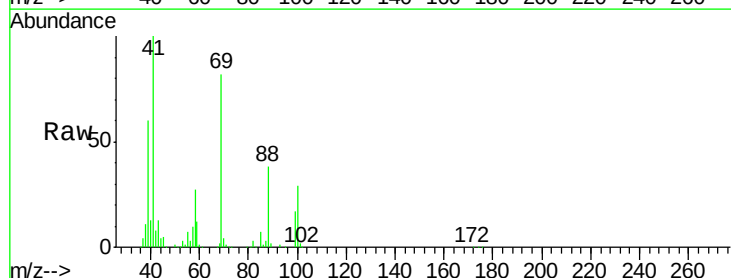
RT: 6.62 min Scan# 1876

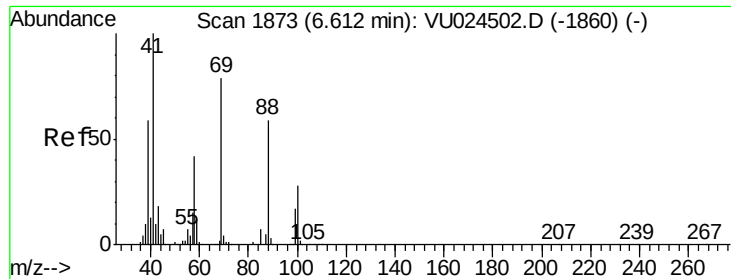
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	41	Resp:	154859
Ion Ratio	Lower	Upper	
41	100		
69	82.5	67.3	100.9
39	58.6	46.5	69.7





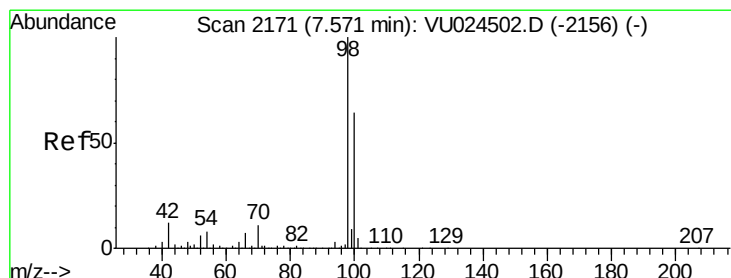
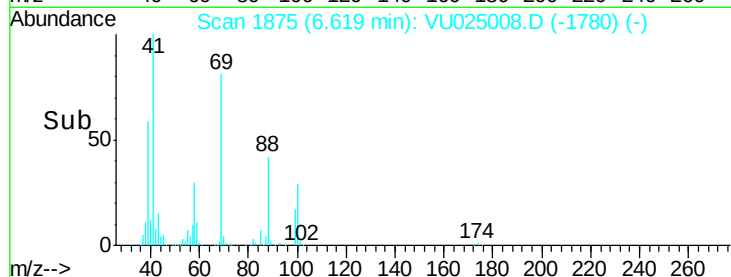
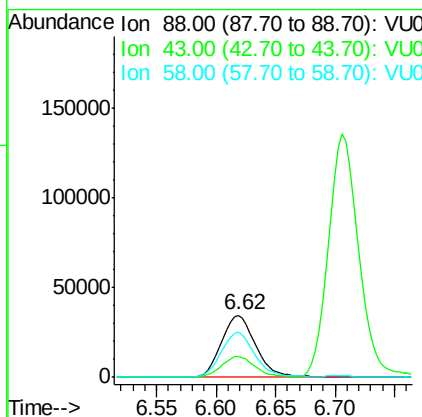
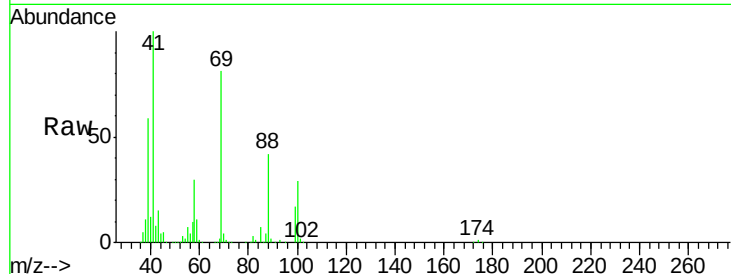
#49
1,4-Dioxane
Concen: 1187.03 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	28.6	42.8
58	71.7	58.2	87.4

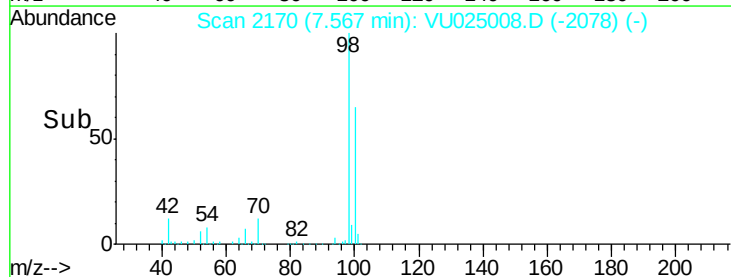
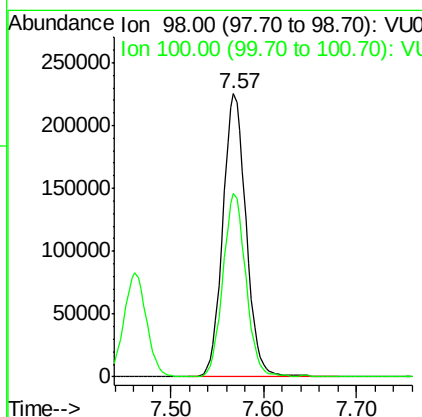
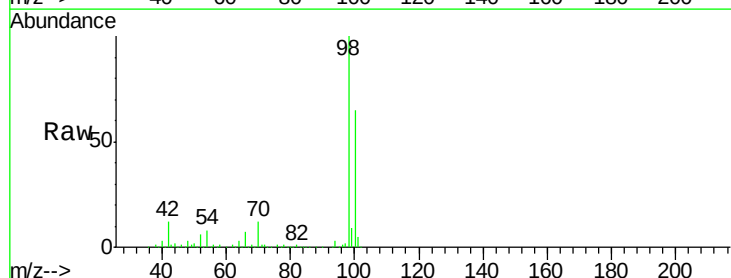
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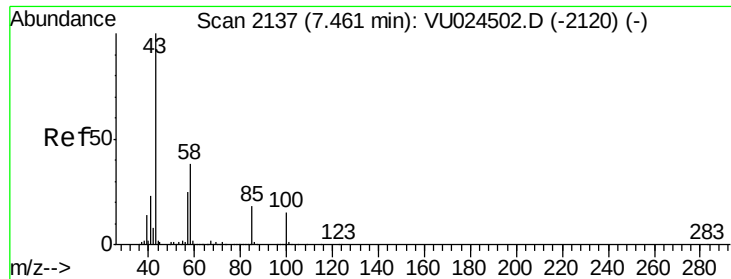
MMDadoda
6/29/2018 4:23:25 PM



#50
Toluene-d8
Concen: 47.58 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 245.47 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 930726

Ion Ratio Lower Upper

43 100

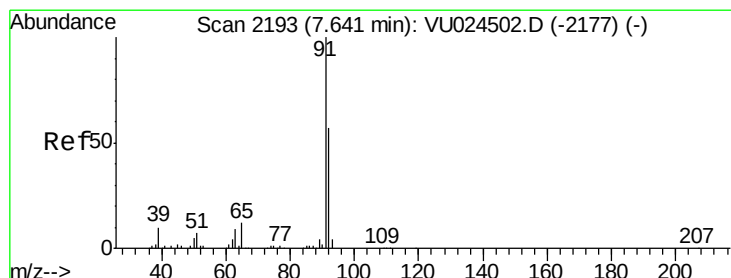
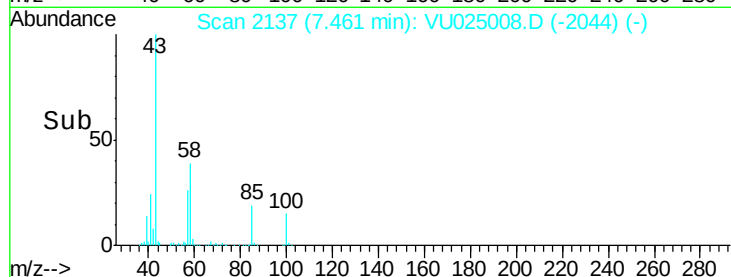
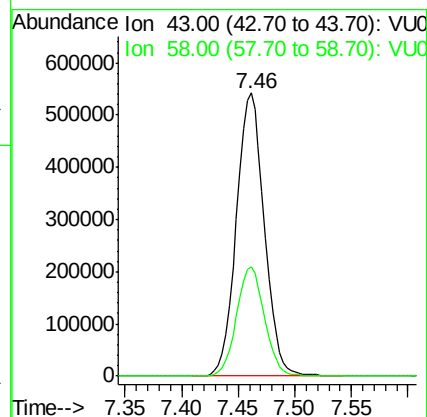
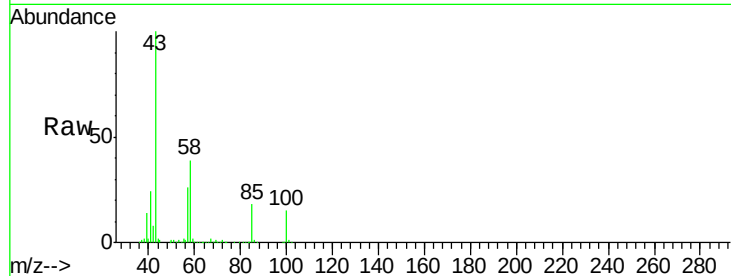
58 38.8 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 54.40 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025008.D

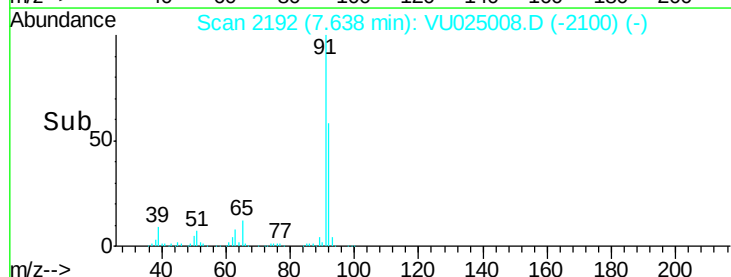
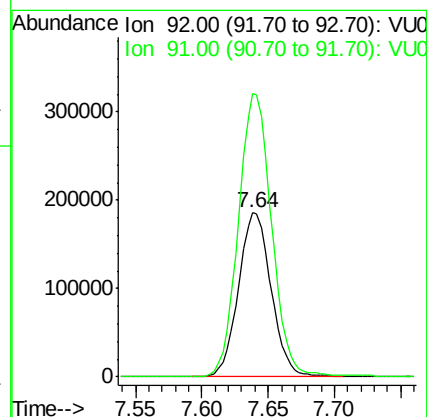
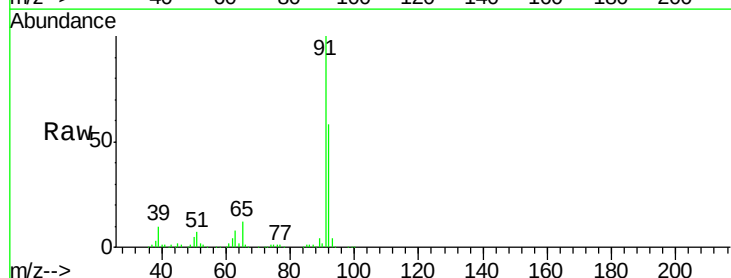
Acq: 28 Jun 2018 10:01

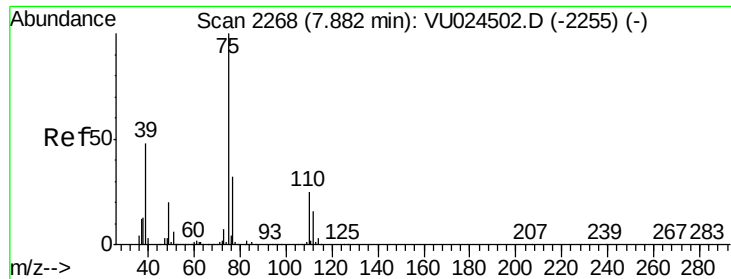
Tgt Ion: 92 Resp: 319493

Ion Ratio Lower Upper

92 100

91 175.6 140.5 210.7





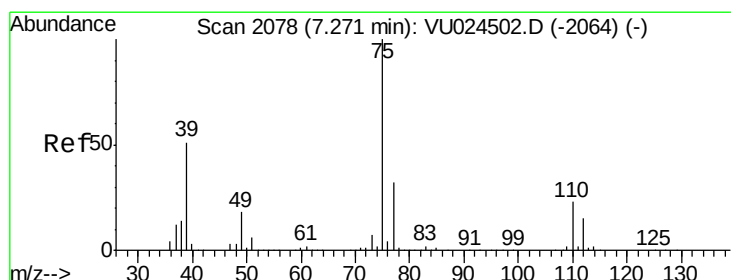
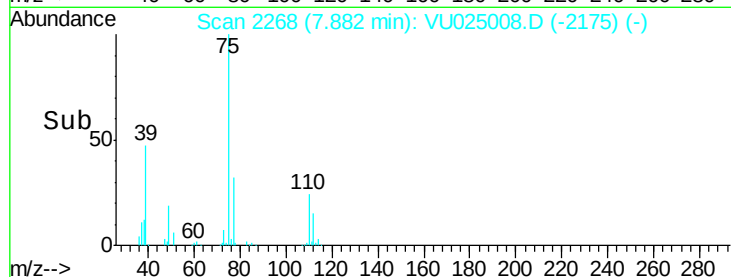
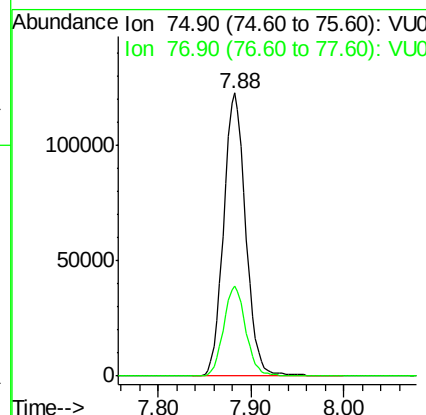
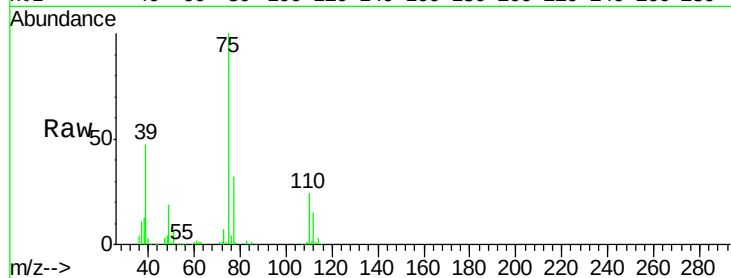
#53
t-1,3-Dichloropropene
Concen: 53.03 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

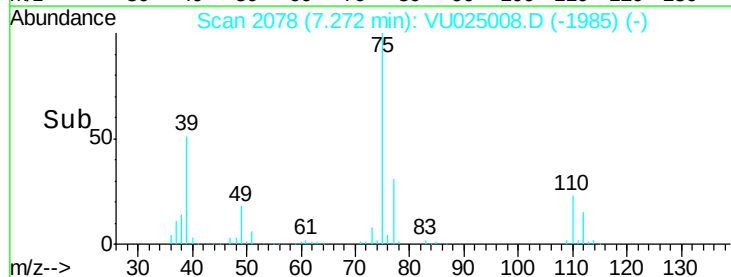
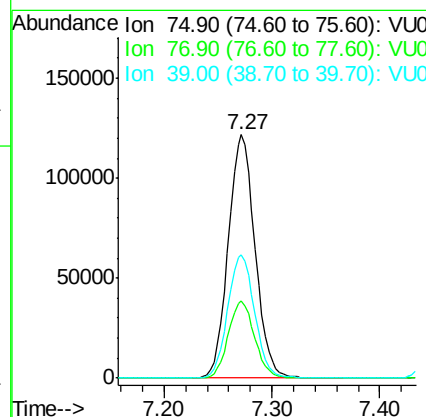
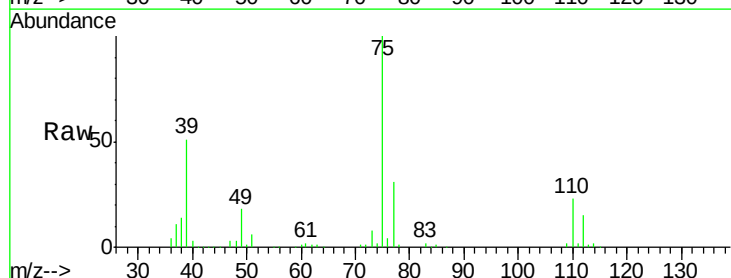
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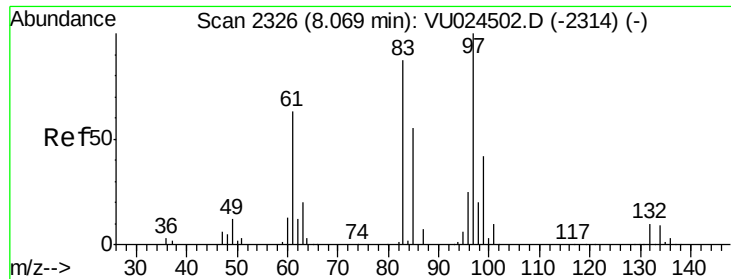
MMDadoda
6/29/2018 4:23:25 PM



#54
cis-1,3-Dichloropropene
Concen: 51.67 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	50.7	39.8	59.6





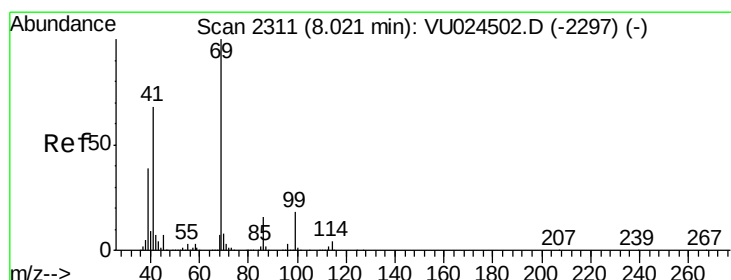
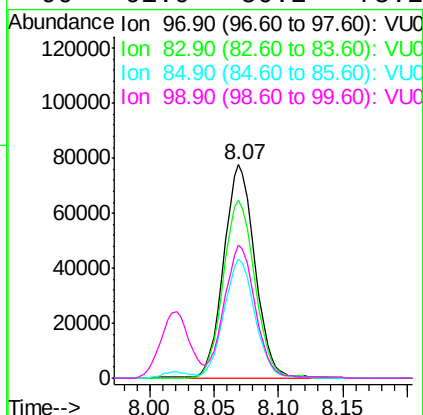
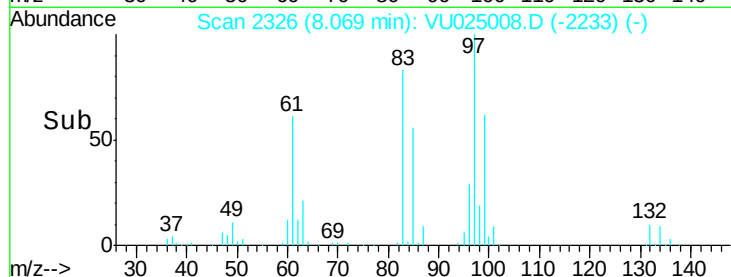
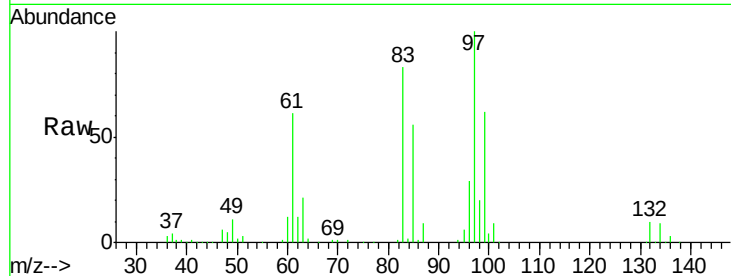
#55
 1,1,2-Trichloroethane
 Concen: 54.12 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		129195		
83	83.5	70.5	105.7		
85	55.6	46.4	69.6		
99	61.9	50.2	75.2		

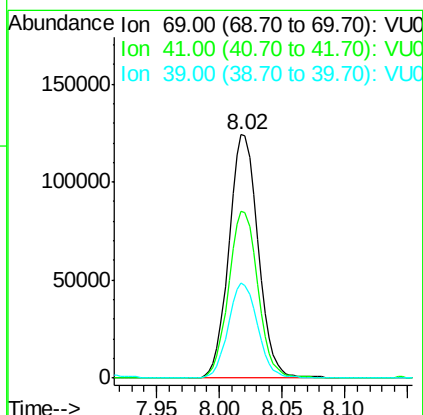
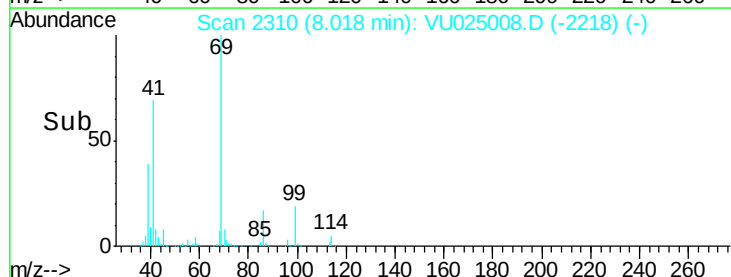
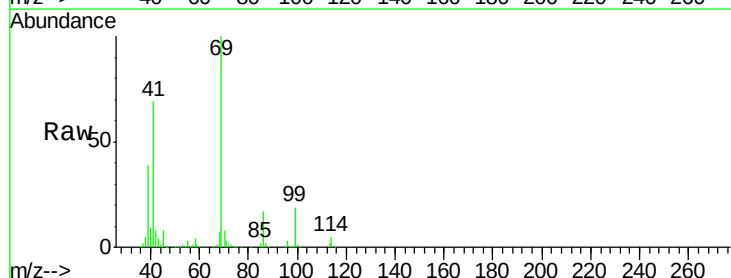
Manual Integrations
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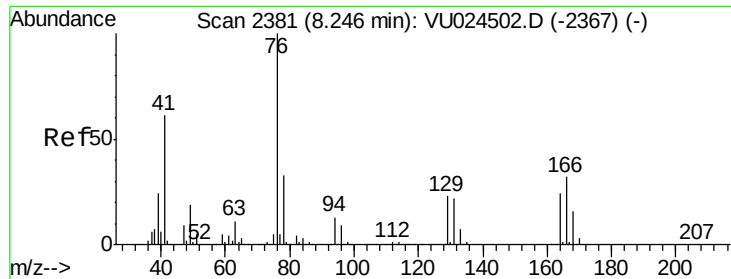
MMDadoda
 6/29/2018 4:23:25 PM



#56
 Ethyl methacrylate
 Concen: 50.34 ug/l
 RT: 8.02 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		201113		
41	68.9	54.1	81.1		
39	39.1	30.3	45.5		





#57

1,3-Dichloropropane

Concen: 54.85 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 220894

Ion Ratio Lower Upper

76 100

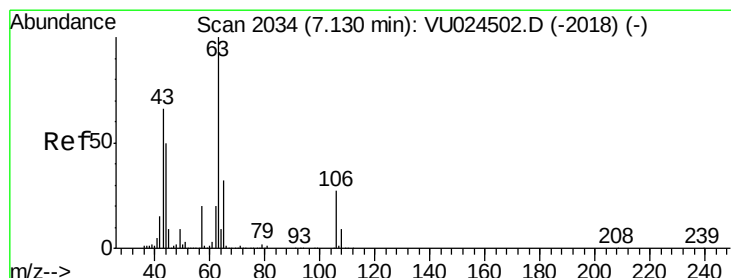
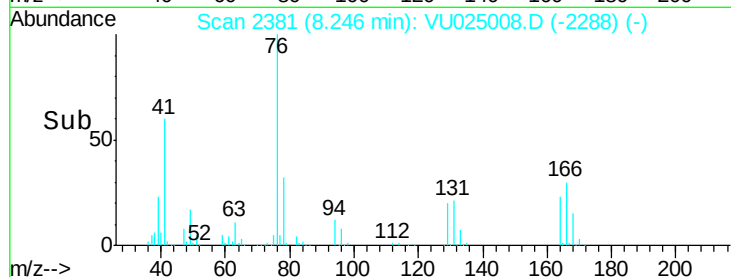
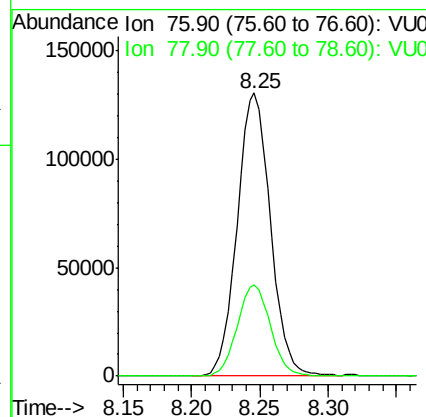
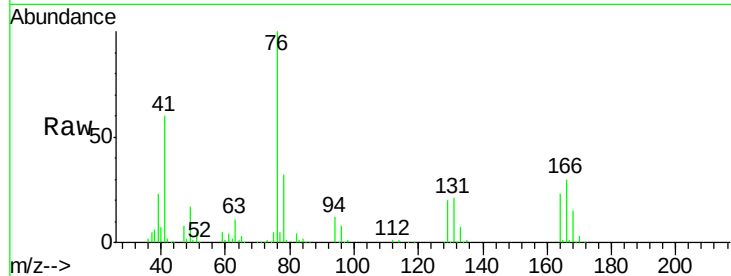
78 32.4 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 43.67 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025008.D

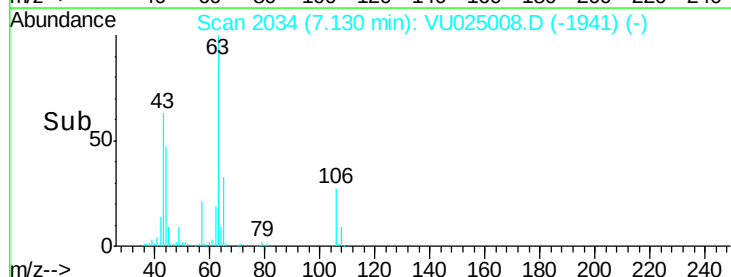
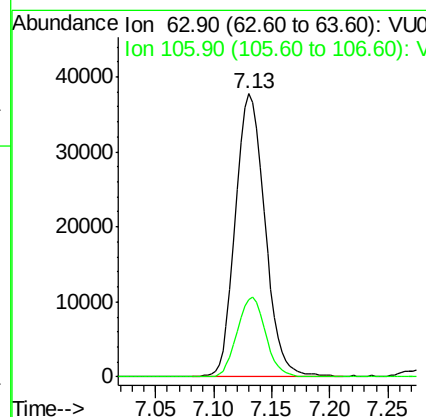
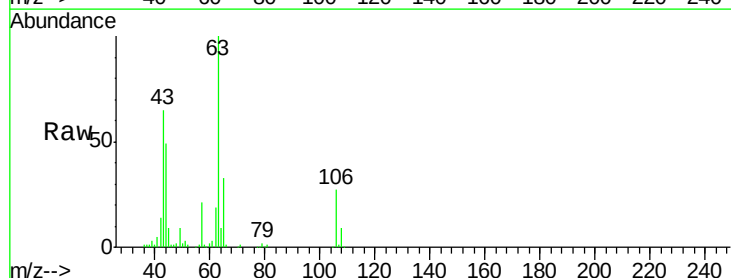
Acq: 28 Jun 2018 10:01

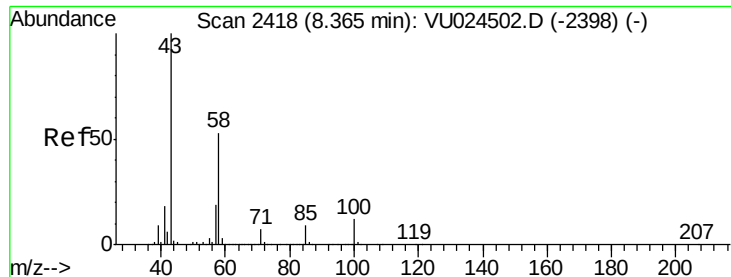
Tgt Ion: 63 Resp: 66852

Ion Ratio Lower Upper

63 100

106 26.8 20.2 30.2





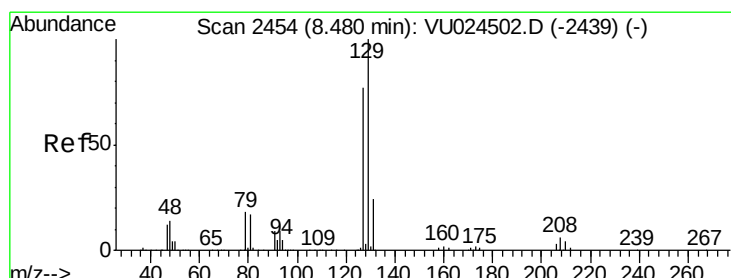
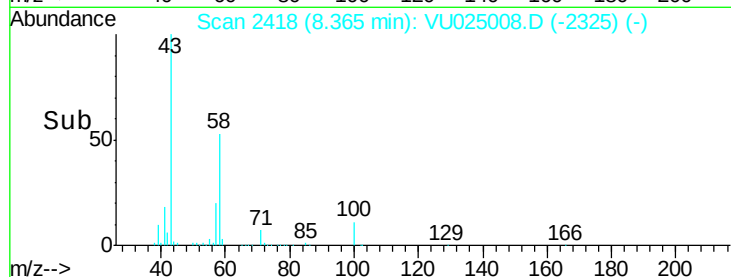
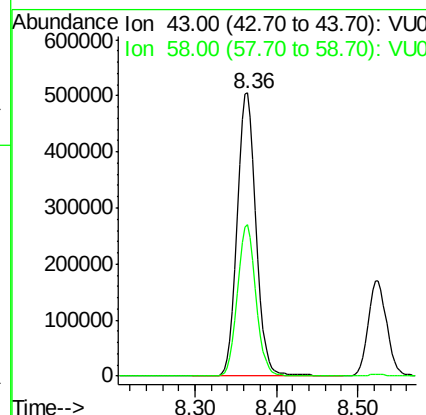
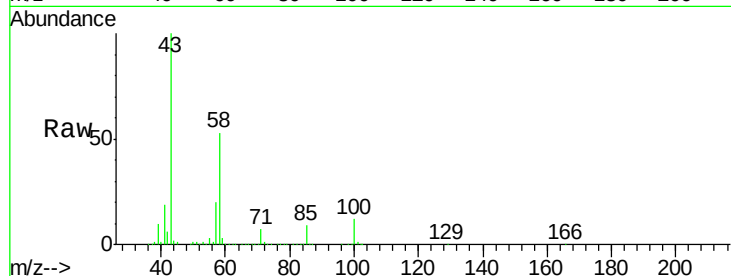
#59
2-Hexanone
Concen: 267.01 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.4	79.0

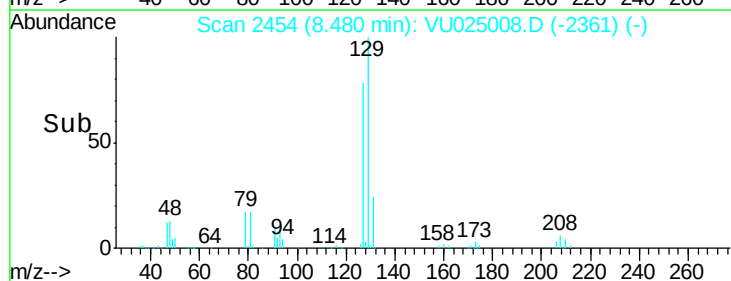
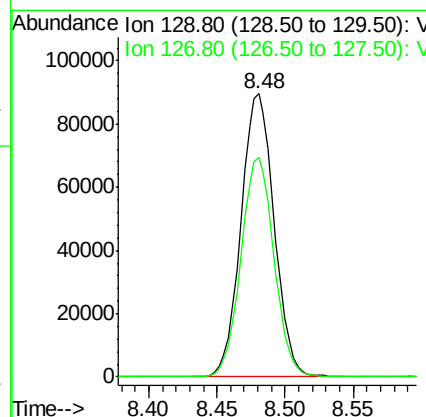
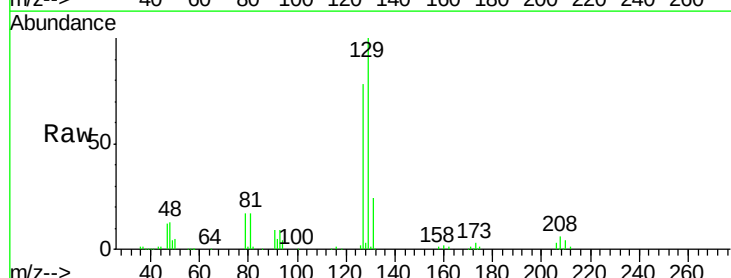
Manual Integrations
APPROVED

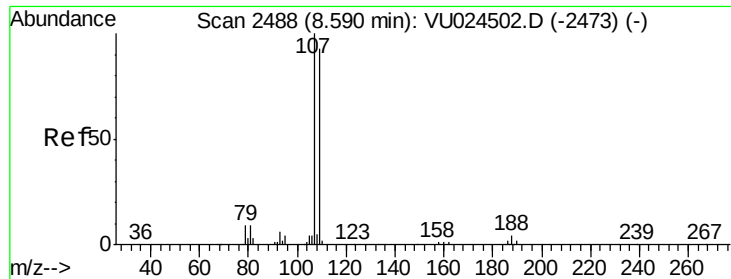
MMDadoda
6/29/2018 4:23:25 PM



#60
Dibromochloromethane
Concen: 50.71 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	116.0





#61

1,2-Dibromoethane

Concen: 53.95 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 143355

Ion Ratio Lower Upper

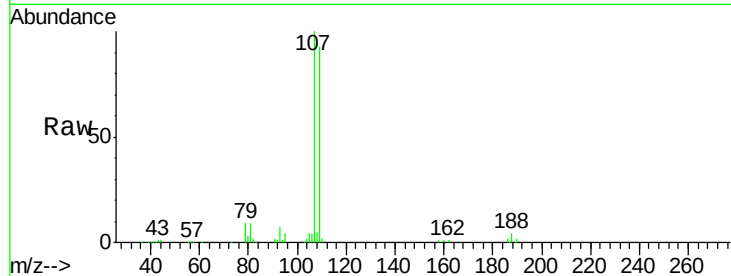
107 100

109 93.9 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

100000

80000

60000

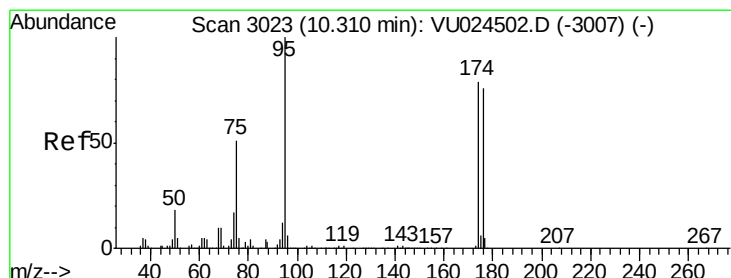
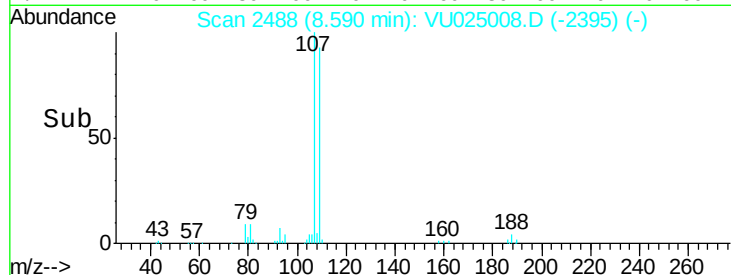
40000

20000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 50.37 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

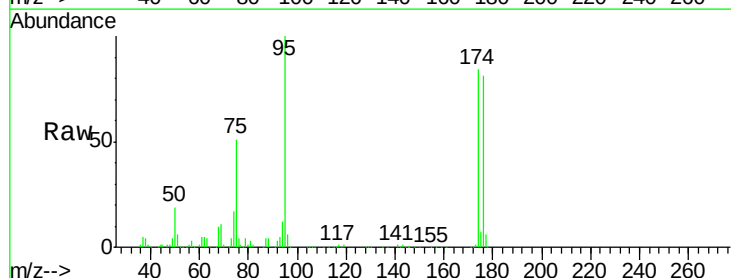
Tgt Ion: 95 Resp: 165040

Ion Ratio Lower Upper

95 100

174 85.5 0.0 165.8

176 82.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

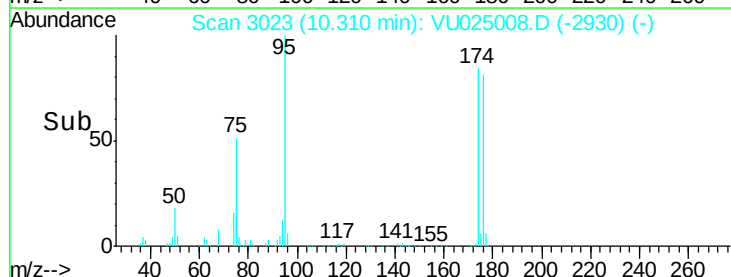
100000

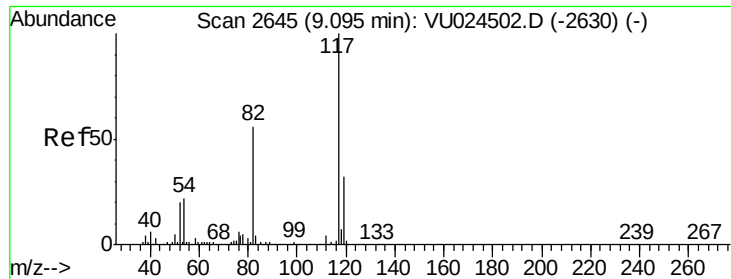
50000

0

Time-->

10.30 10.40





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

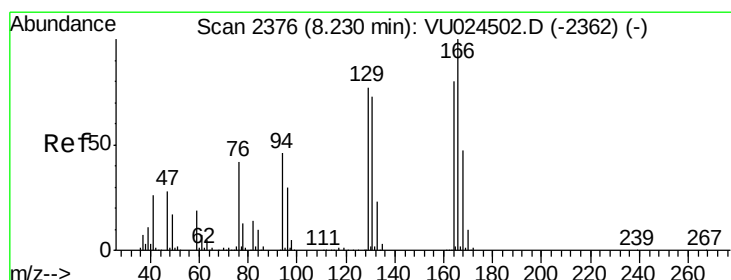
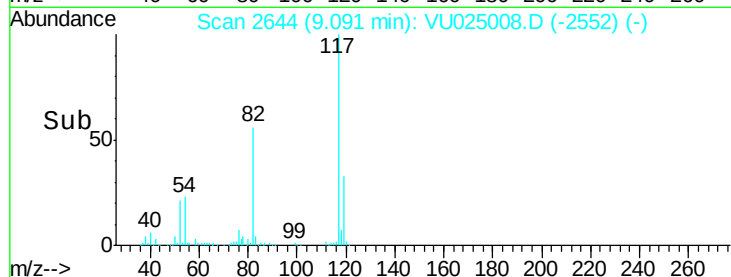
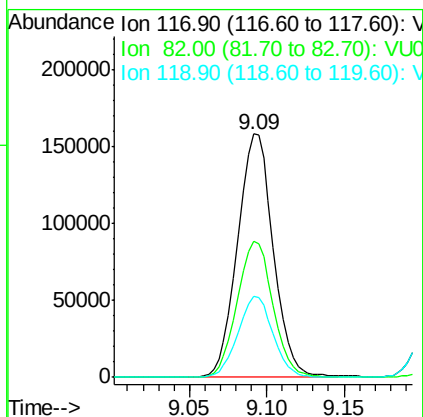
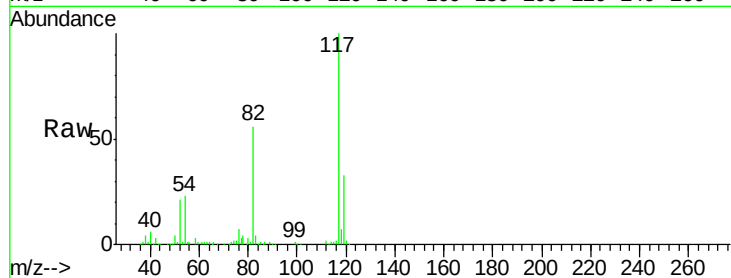
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	254806
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.3	66.5
119	33.1	25.4	38.2

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#64

Tetrachloroethene

Concen: 54.80 ug/l

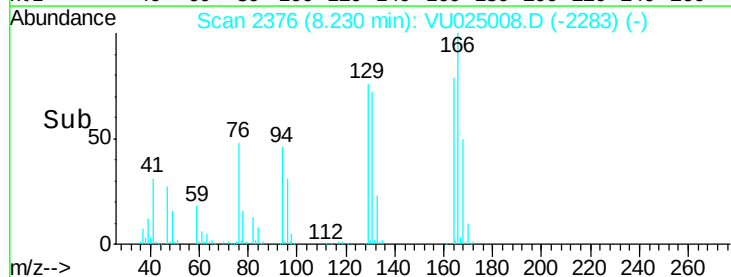
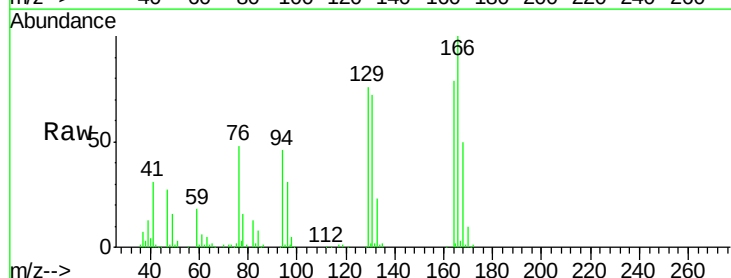
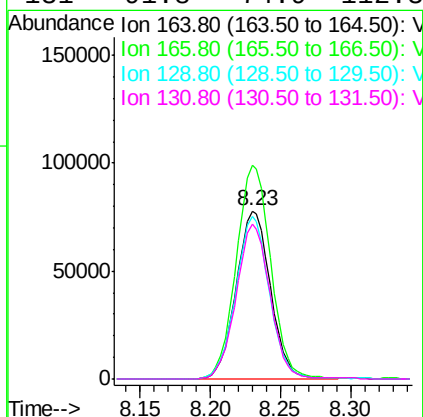
RT: 8.23 min Scan# 2376

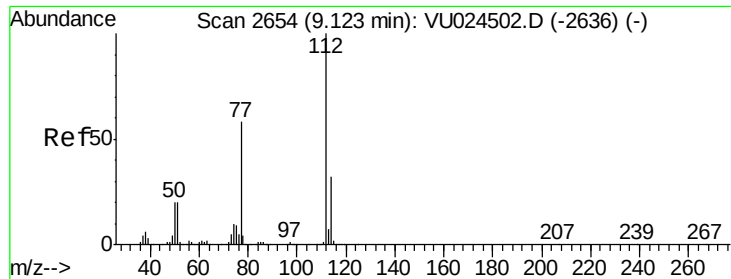
Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	164	Resp:	132738
Ion Ratio	Lower	Upper	
164	100		
166	127.1	101.7	152.5
129	97.0	76.9	115.3
131	91.8	74.9	112.3





#65

Chlorobenzene

Concen: 55.98 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 364377

Ion Ratio Lower Upper

112 100

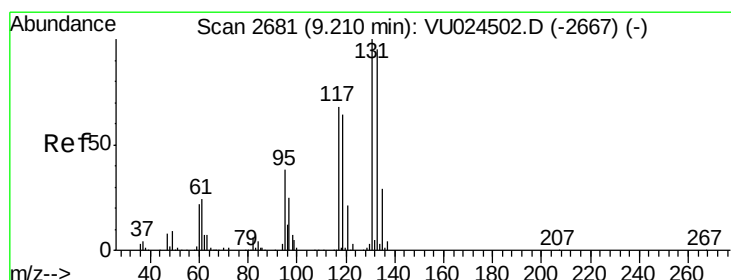
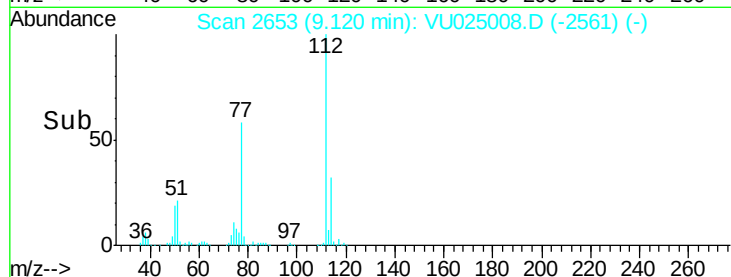
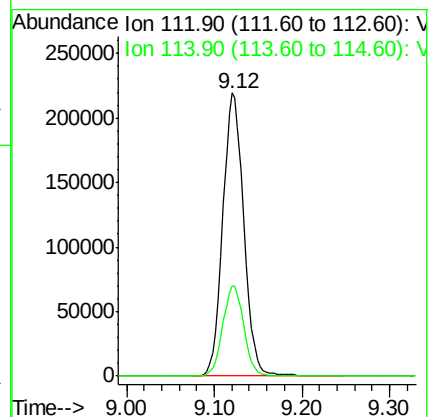
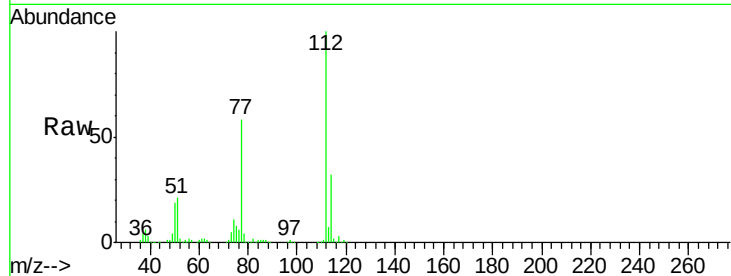
114 32.0 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.84 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

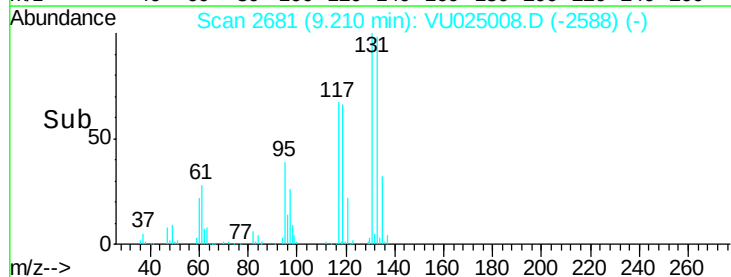
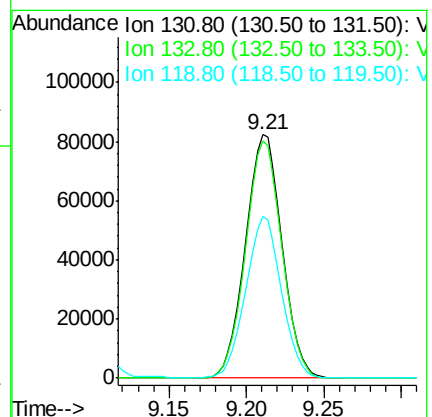
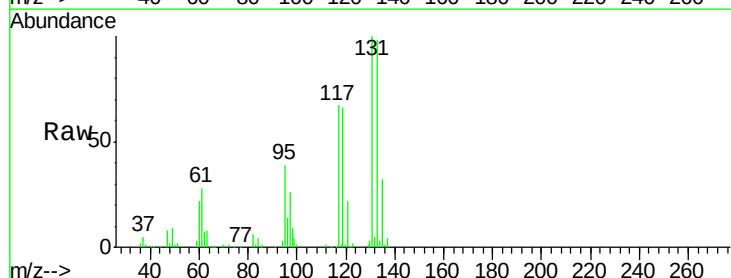
Tgt Ion:131 Resp: 135623

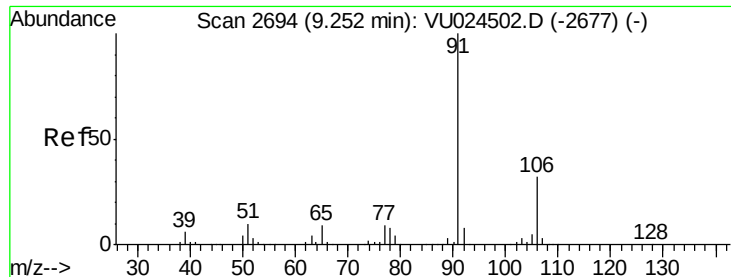
Ion Ratio Lower Upper

131 100

133 96.8 46.9 140.8

119 64.8 33.5 100.4





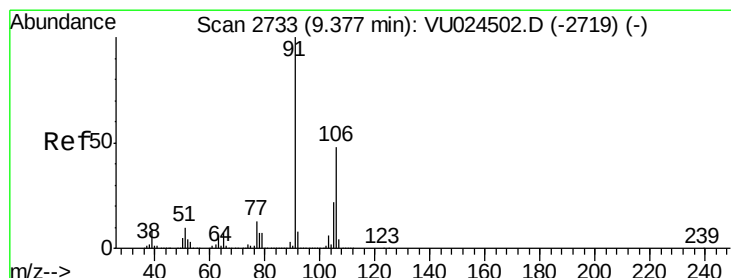
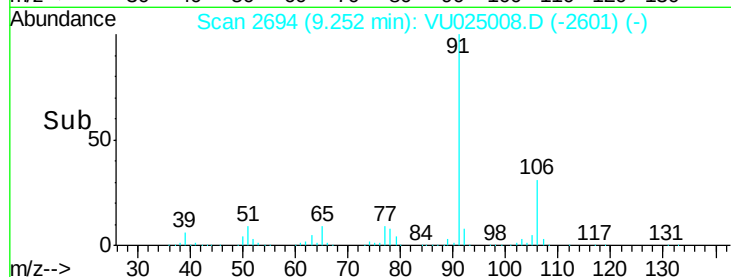
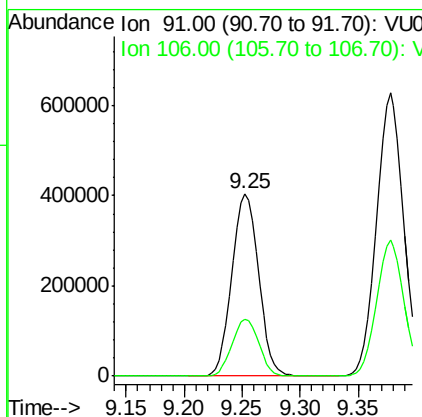
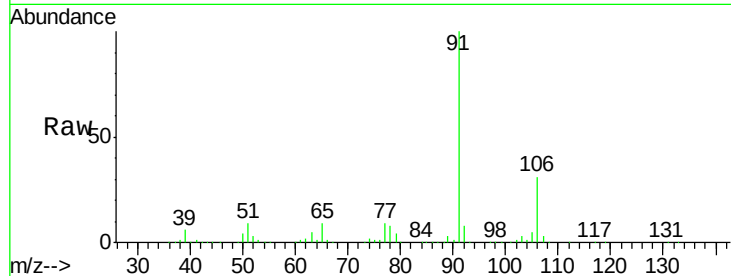
#67
Ethyl Benzene
Concen: 56.39 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 643468
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4

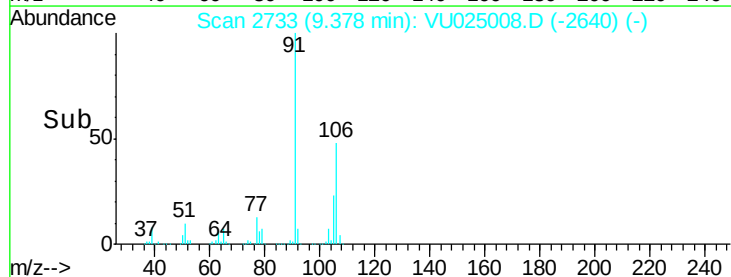
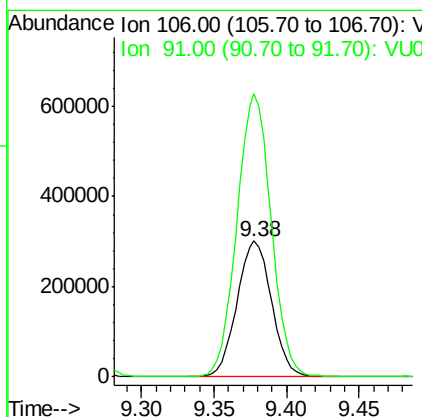
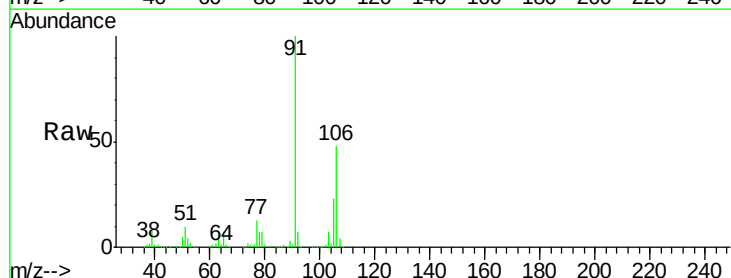
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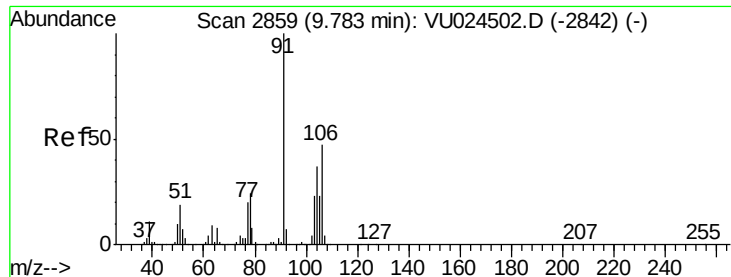
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#68
m/p-Xylenes
Concen: 113.69 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion: 106 Resp: 498191
Ion Ratio Lower Upper
106 100
91 205.8 166.5 249.7





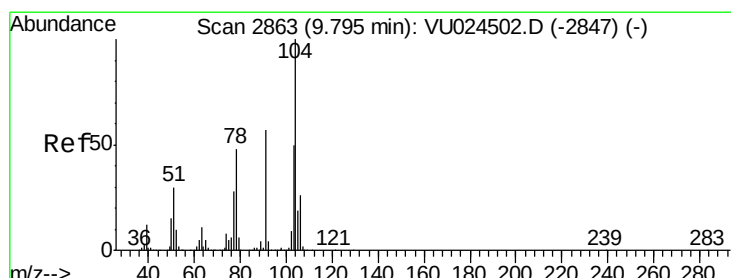
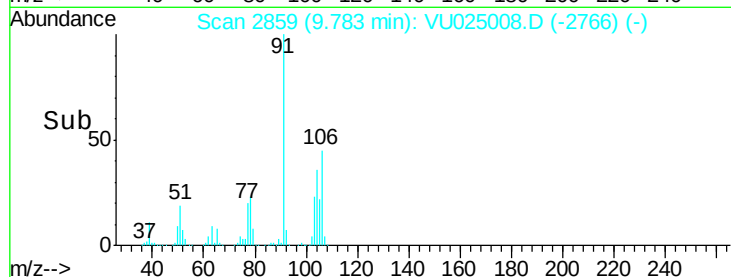
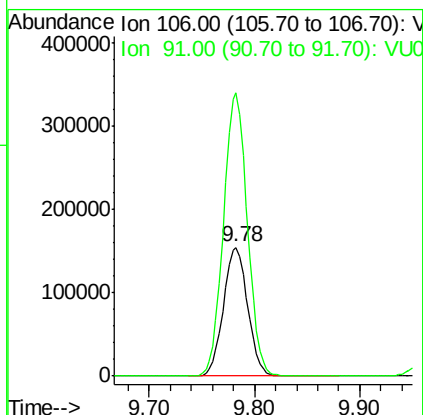
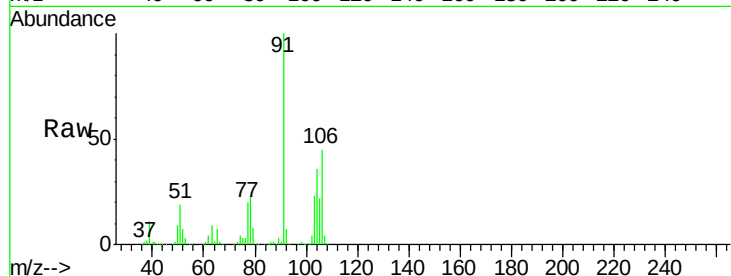
#69
o-Xylene
Concen: 56.43 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.4	110.7	331.9

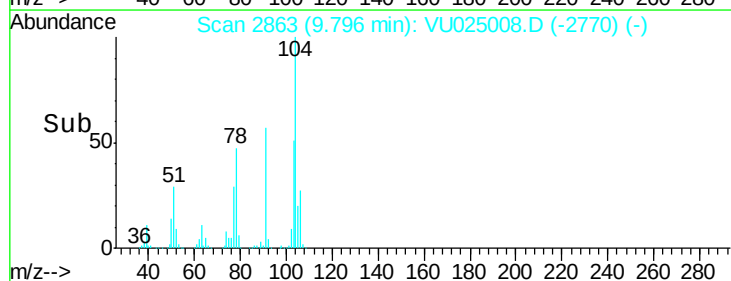
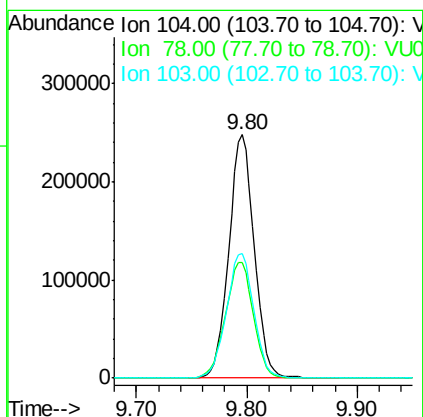
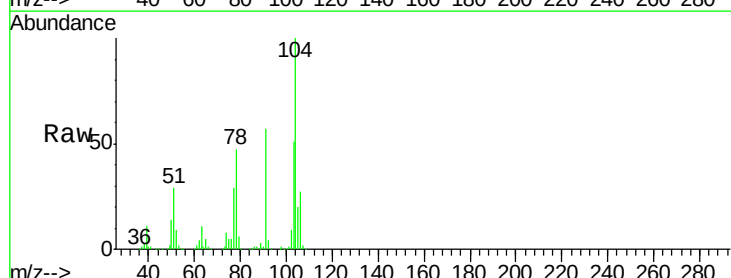
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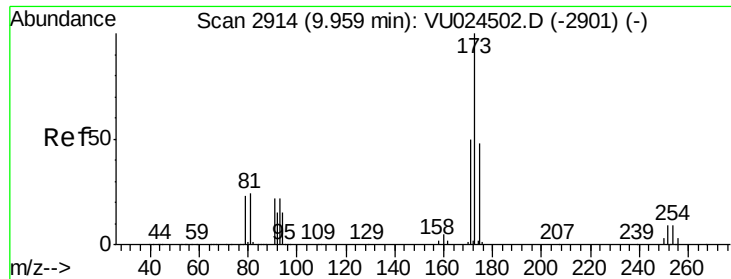
MMDadoda
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#70
Styrene
Concen: 55.57 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	40.6	60.8
103	55.6	44.7	67.1





#71

Bromoform

Concen: 50.28 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

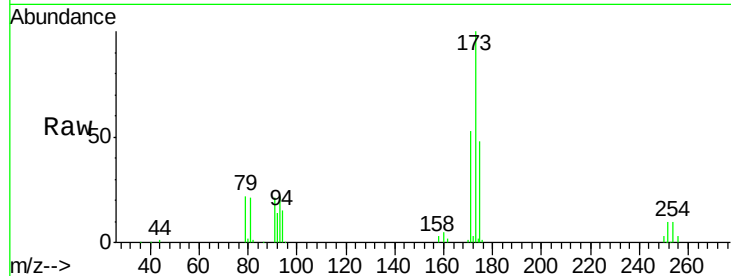
ClientSampleId :

VSTDCCC050

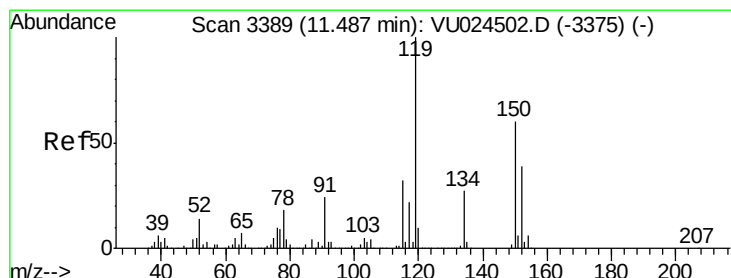
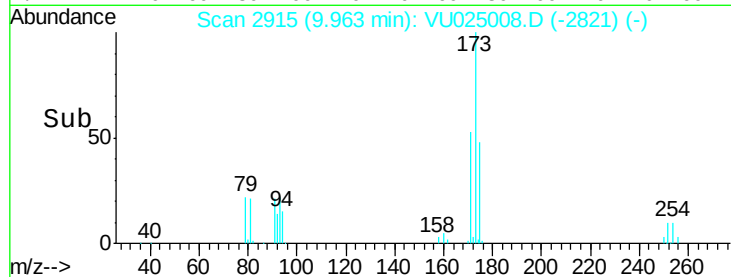
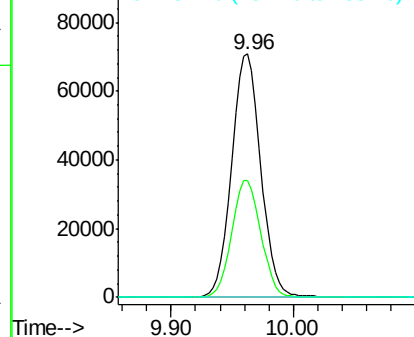
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	74.0
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

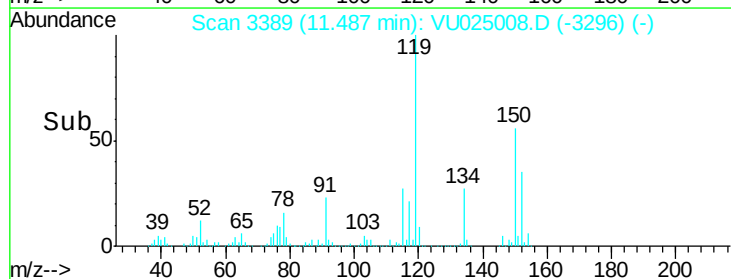
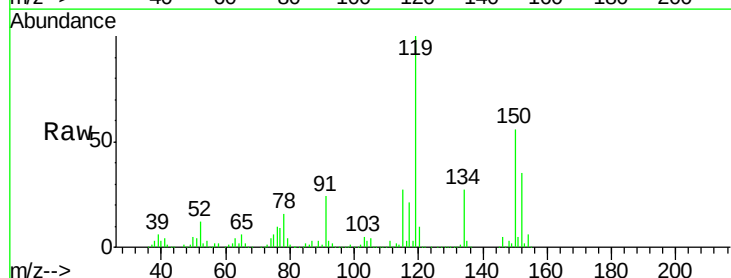
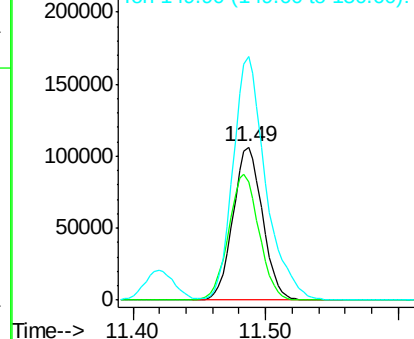
Delta R.T. 0.00 min

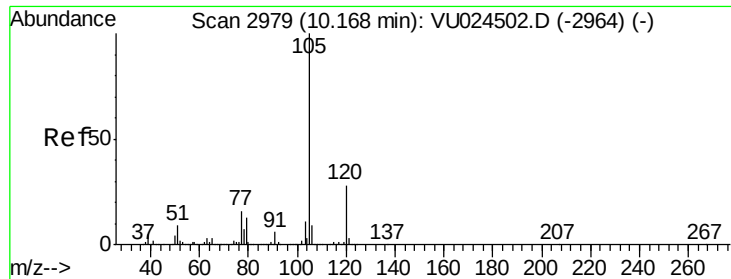
Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	85.3	43.0	129.0
150	177.2	0.0	354.0

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.56 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 670843

Ion Ratio Lower Upper

105 100

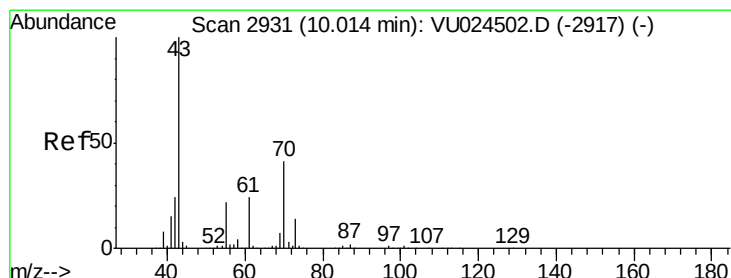
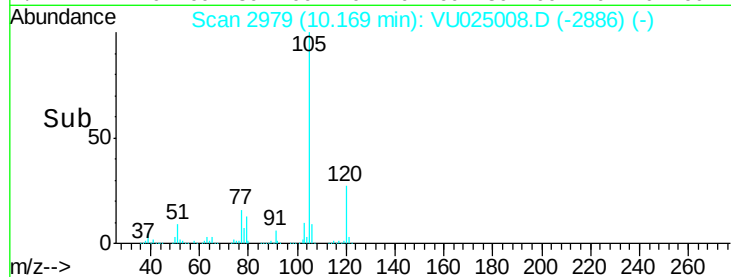
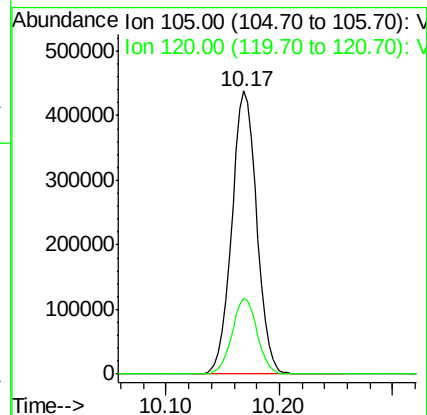
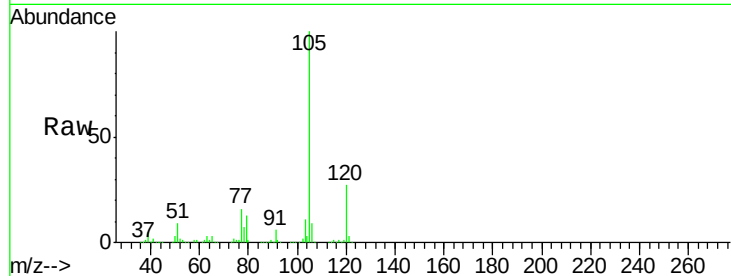
120 27.0 13.2 39.6

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#74

N-ethyl acetate

Concen: 46.50 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion: 43 Resp: 277009

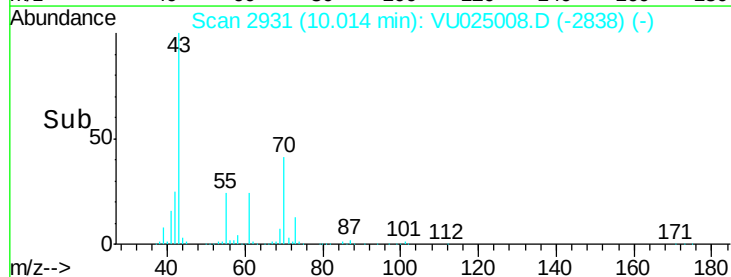
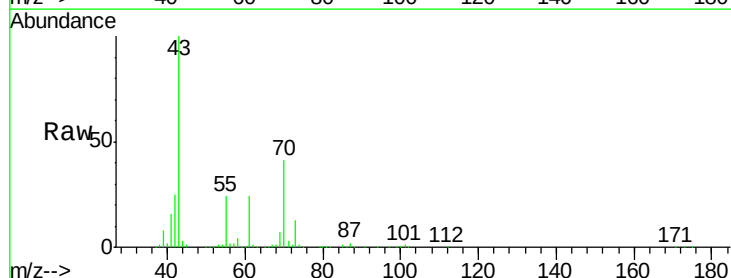
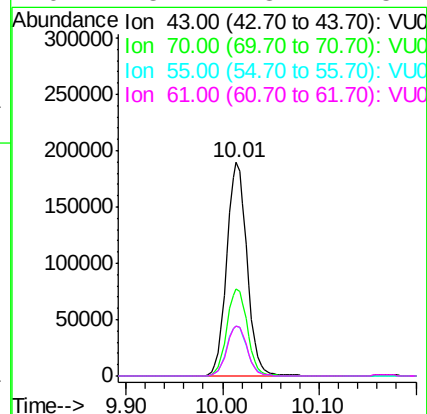
Ion Ratio Lower Upper

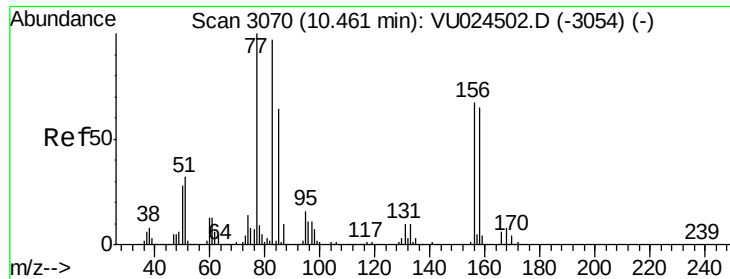
43 100

70 41.3 32.2 48.4

55 23.9 20.5 30.7

61 23.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.56 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 212203

Ion Ratio Lower Upper

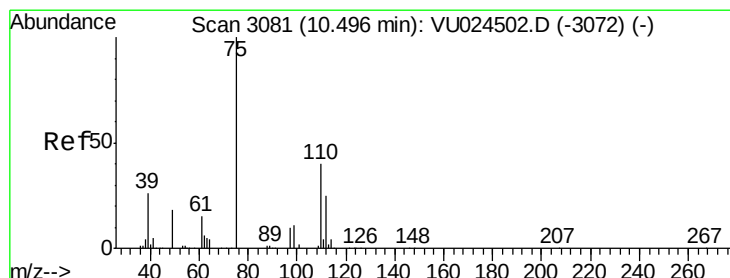
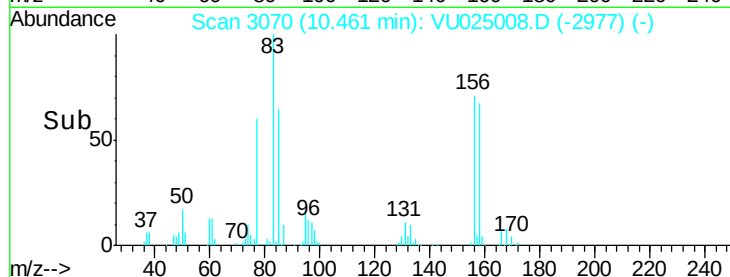
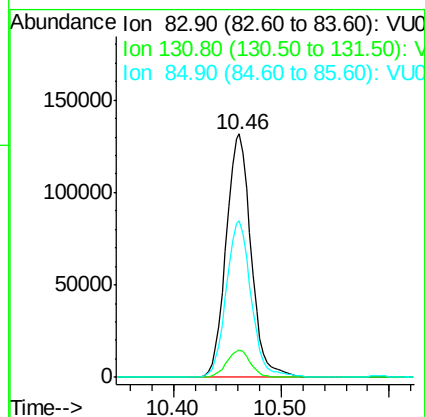
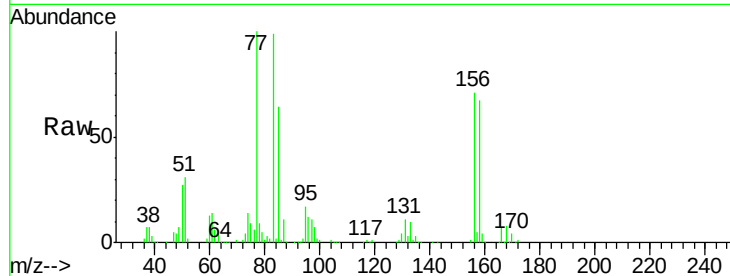
83 100

131 10.7 4.7 14.1

85 64.4 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 54.13 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025008.D

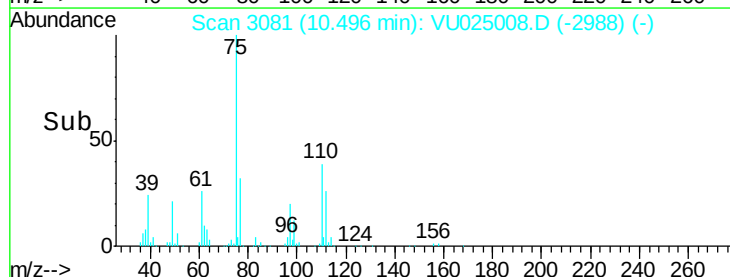
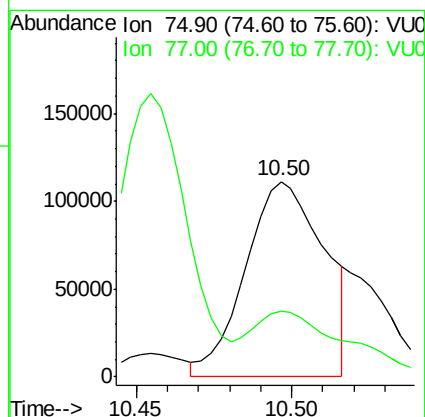
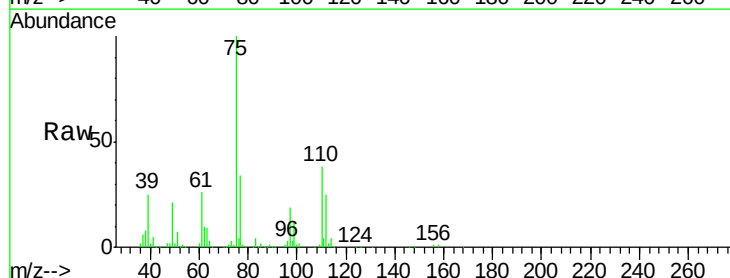
Acq: 28 Jun 2018 10:01

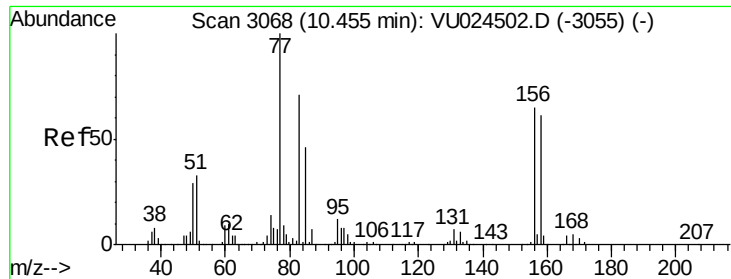
Tgt Ion: 75 Resp: 194406

Ion Ratio Lower Upper

75 100

77 41.9 20.9 62.7





#77

Bromobenzene

Concen: 53.40 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

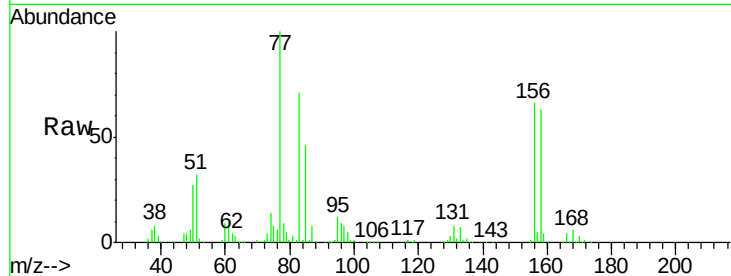
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.0	80.5	241.3
158	96.9	48.2	144.6

Manual Integrations
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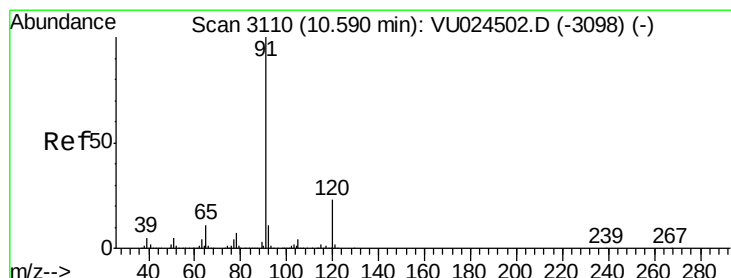
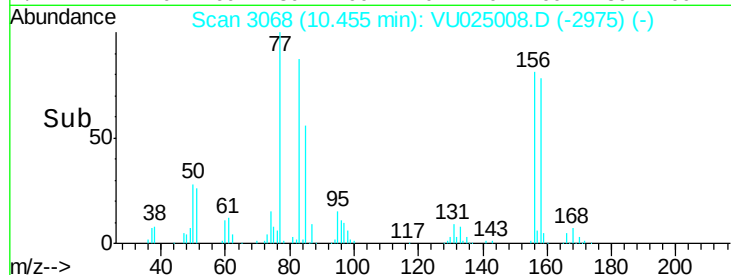
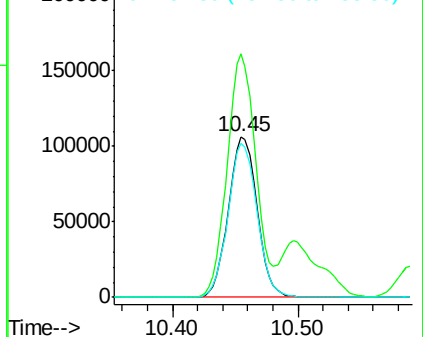
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.40 ug/l

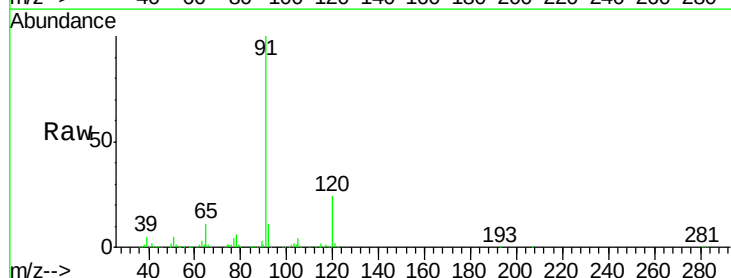
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025008.D

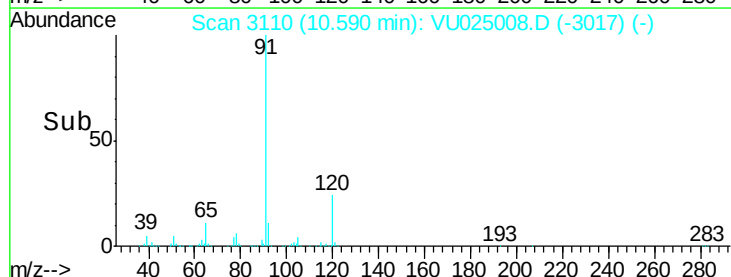
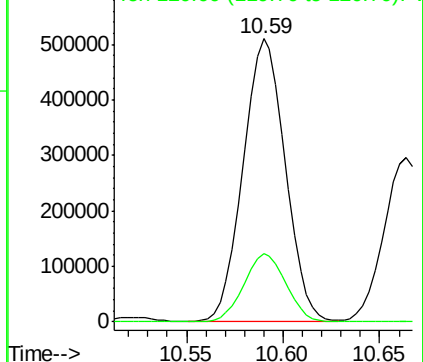
Acq: 28 Jun 2018 10:01

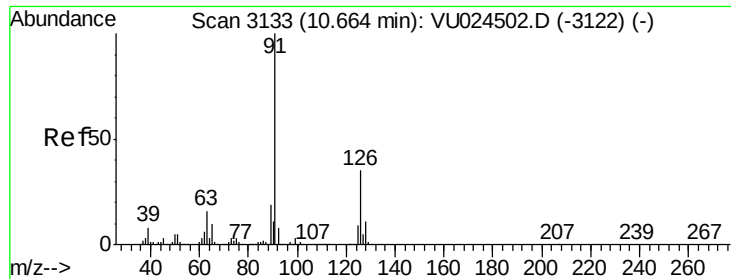
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.48 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 465294

Ion Ratio Lower Upper

91 100

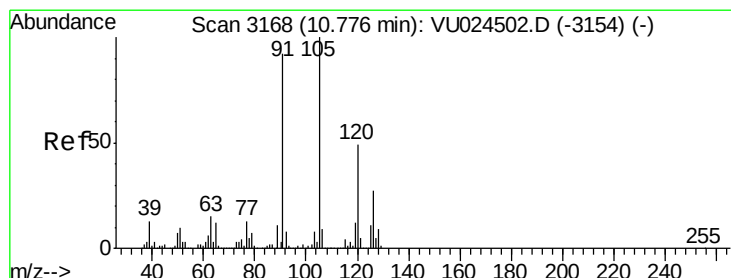
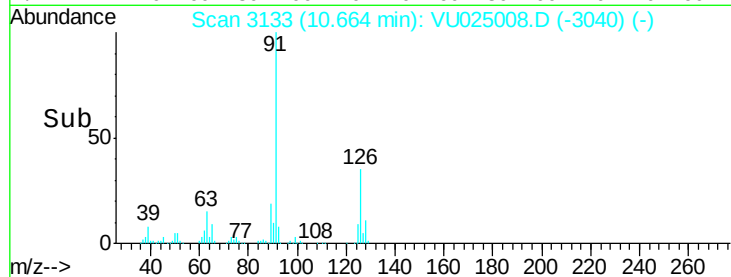
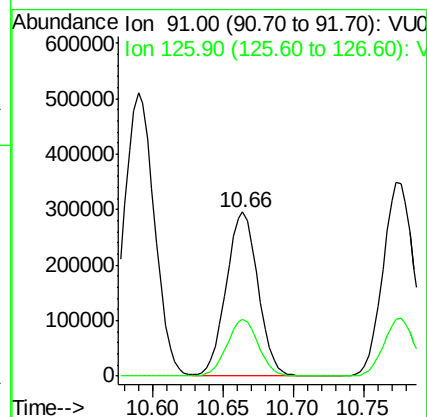
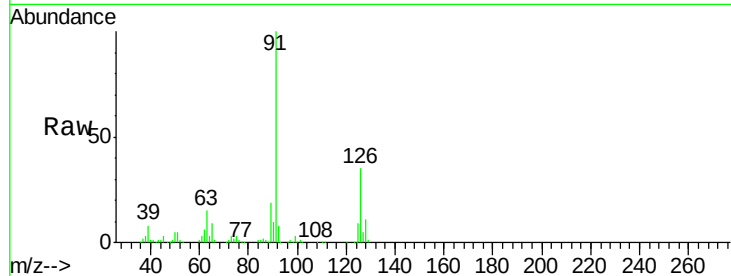
126 34.4 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025008.D

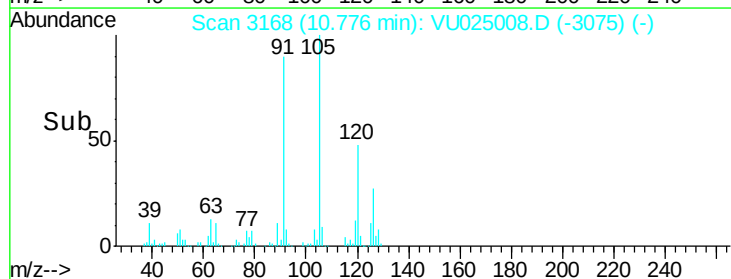
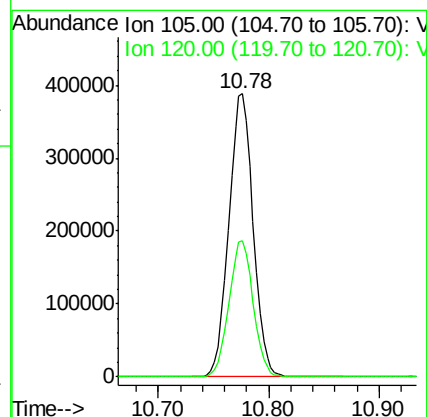
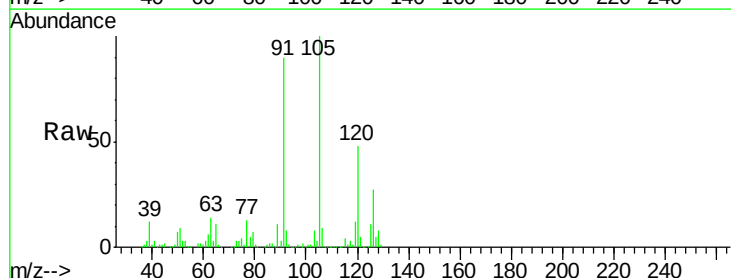
Acq: 28 Jun 2018 10:01

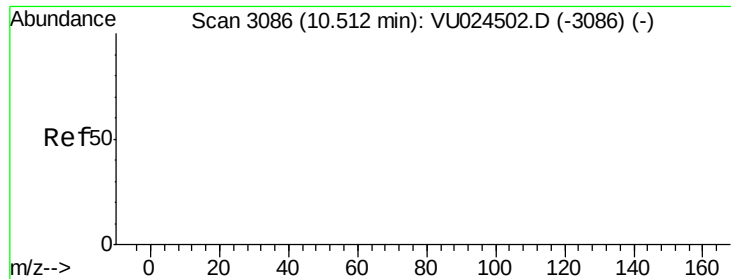
Tgt Ion: 105 Resp: 591476

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.05 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

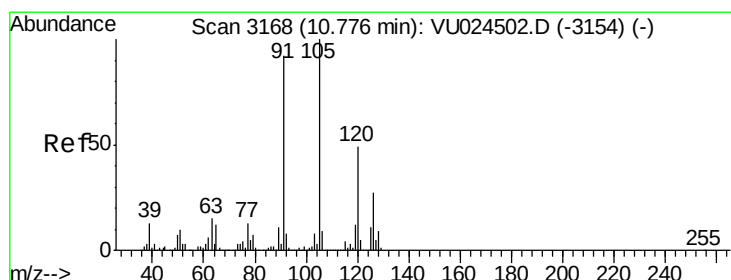
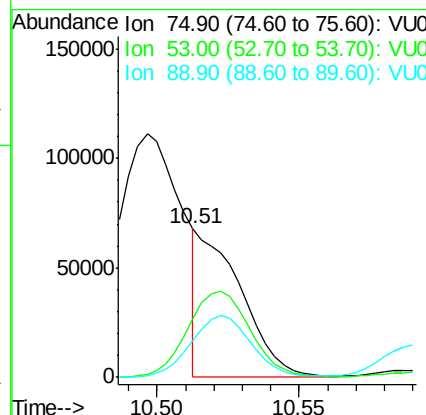
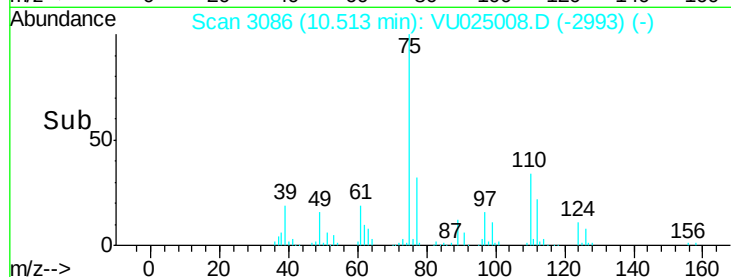
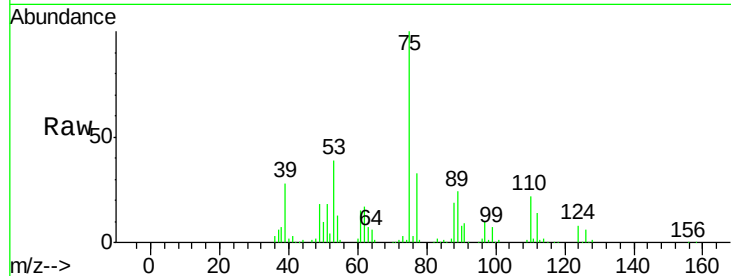
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.57 ug/l

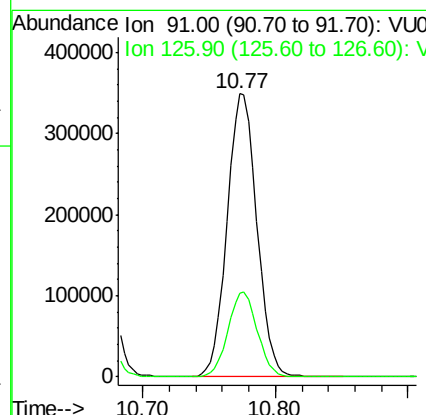
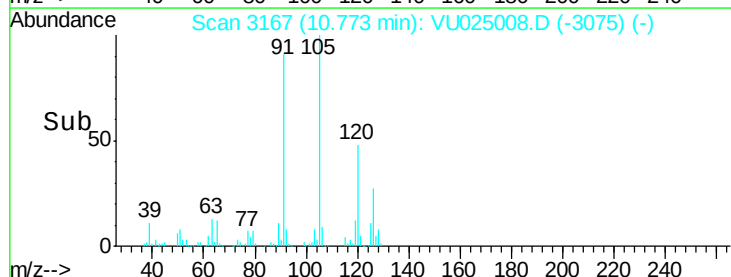
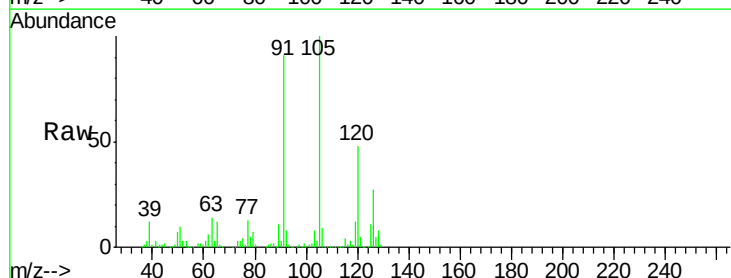
RT: 10.77 min Scan# 3167

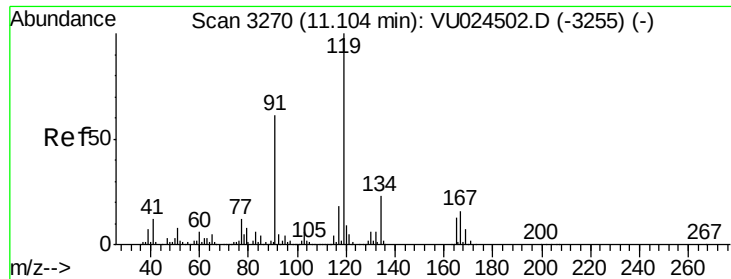
Delta R.T. -0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.9	44.9





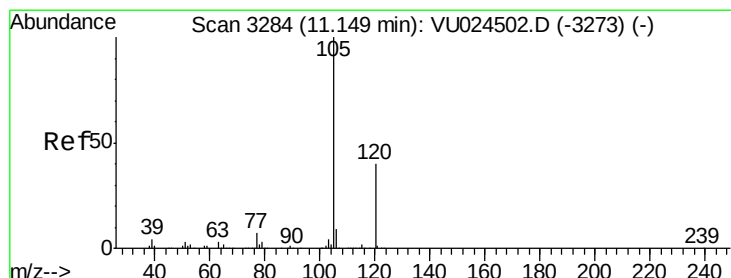
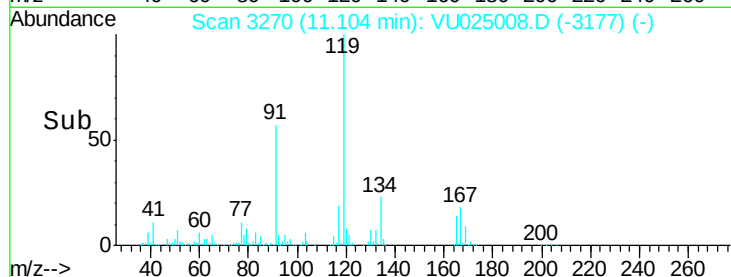
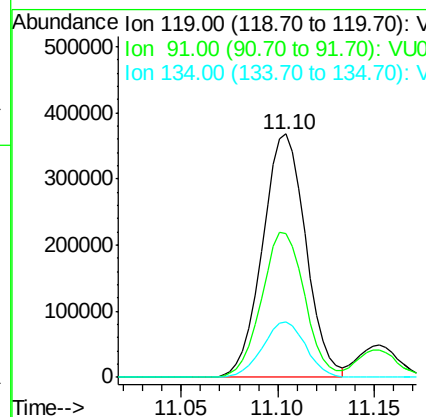
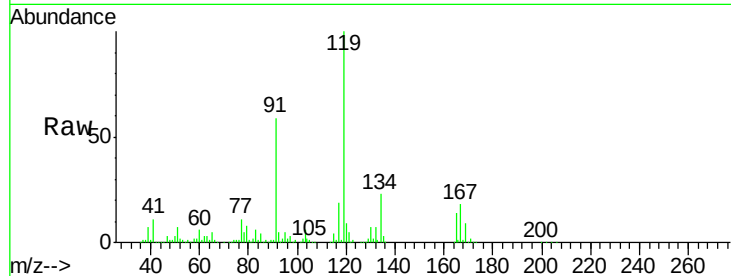
#83
 tert-Butylbenzene
 Concen: 55.03 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	574665		
91	59.3		29.7	89.1
134	22.7		11.6	34.7

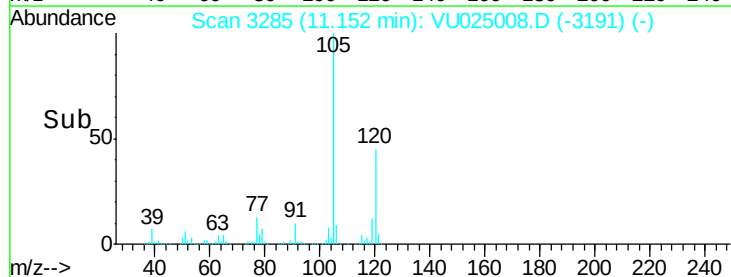
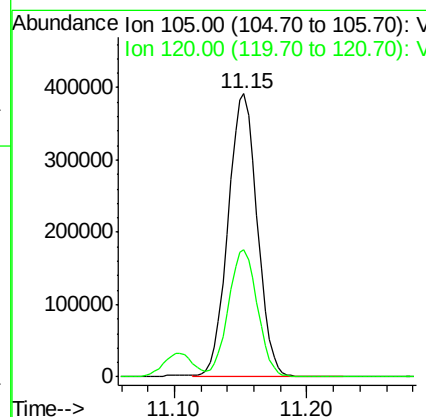
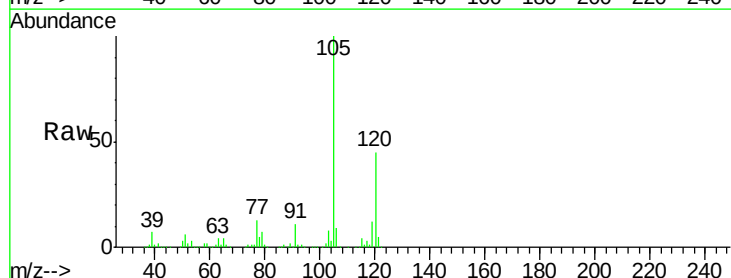
Manual Integrations
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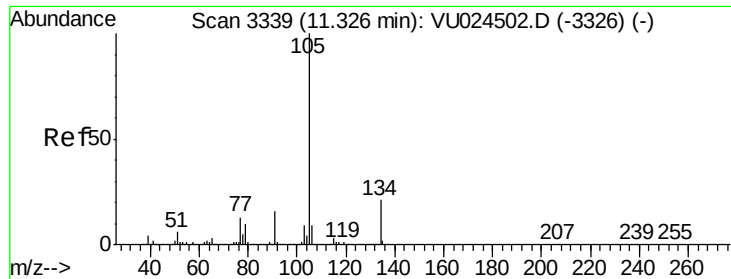
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.99 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	597297		
120	45.0		22.6	67.8





#85

sec-Butylbenzene

Concen: 54.50 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 712278

Ion Ratio Lower Upper

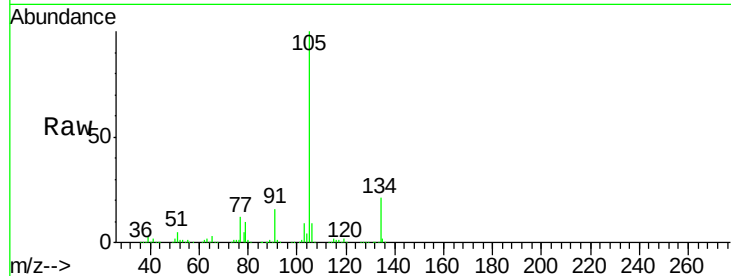
105 100

134 20.5 9.7 29.1

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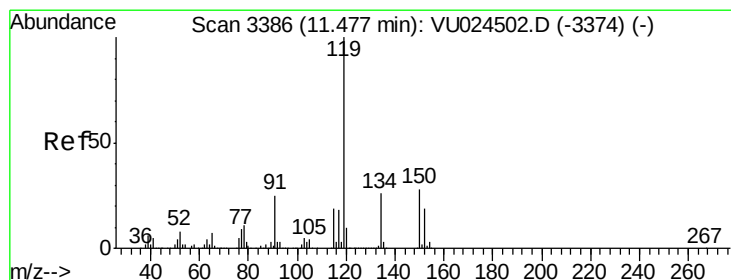
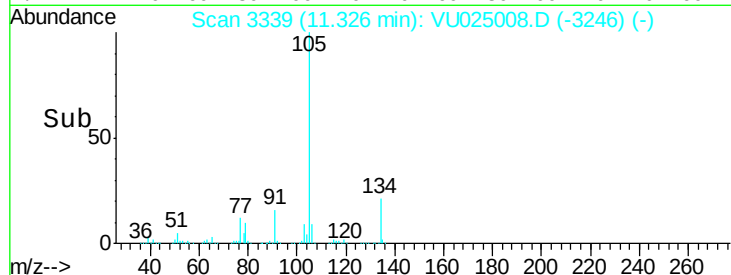
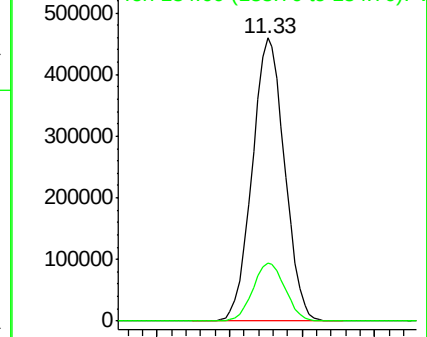
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.81 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

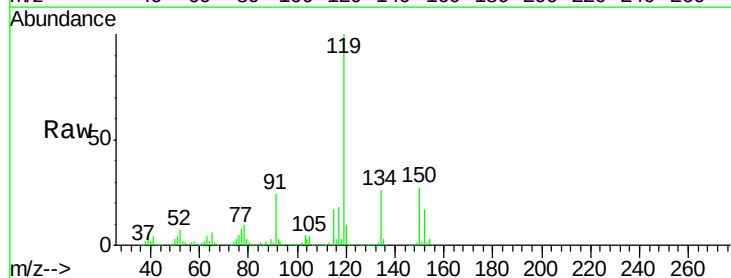
Tgt Ion:119 Resp: 641582

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

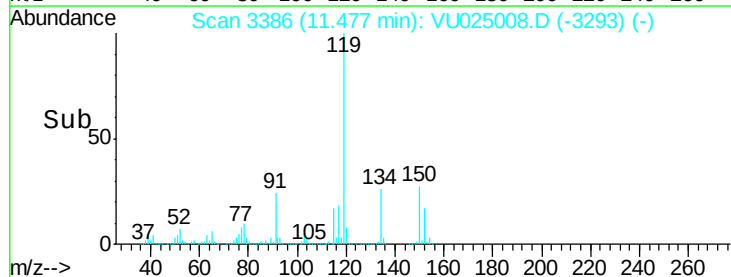
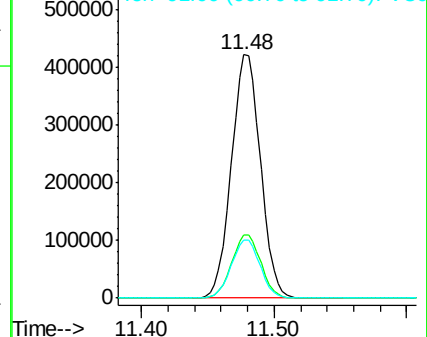
91 23.8 12.0 36.1

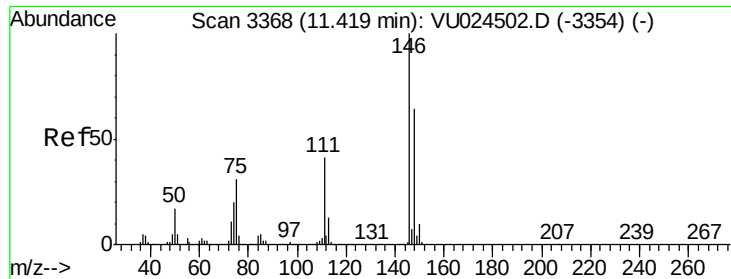


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





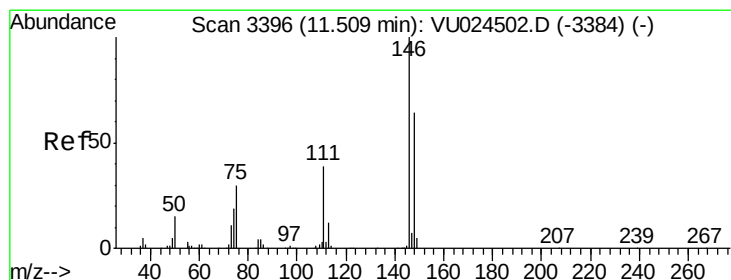
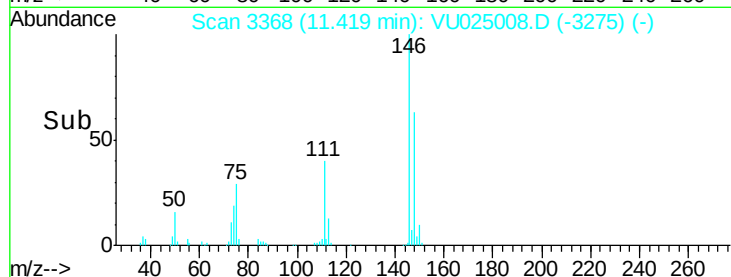
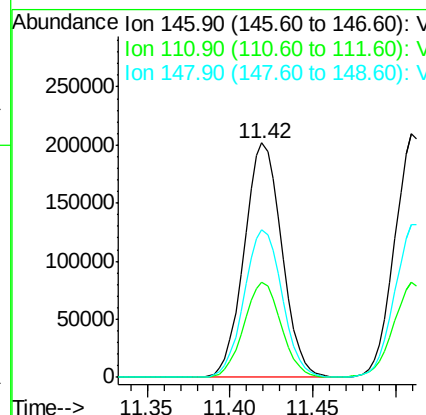
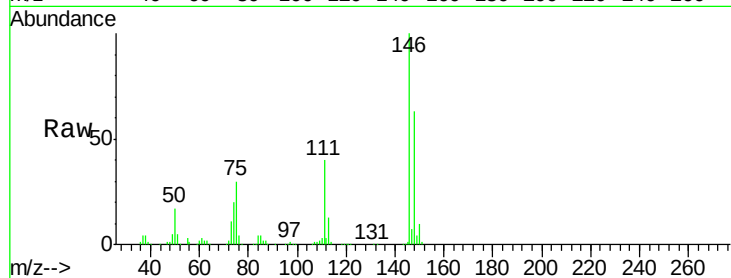
#87
 1,3-Dichlorobenzene
 Concen: 54.27 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.6	32.1	96.5

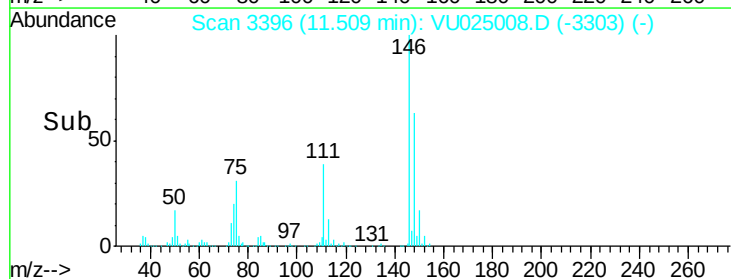
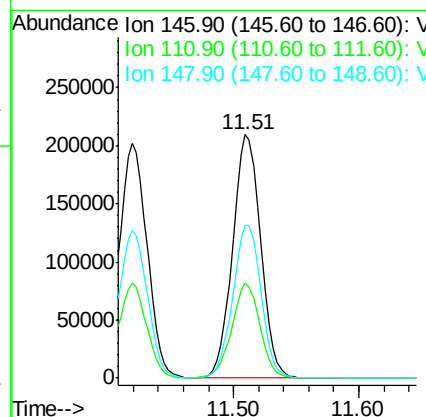
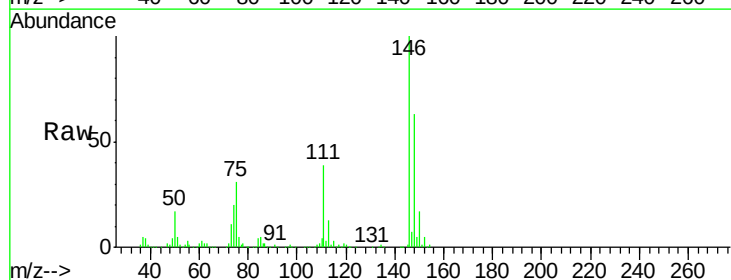
Manual Integrations
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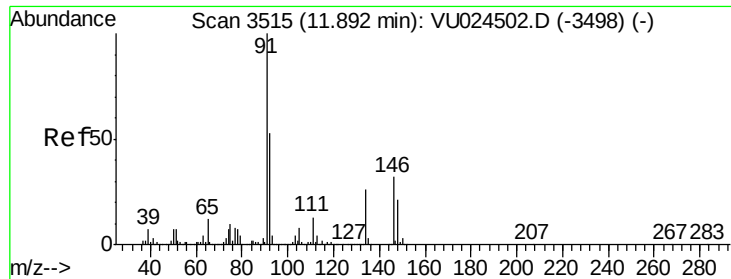
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#88
 1,4-Dichlorobenzene
 Concen: 55.10 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	63.4	32.4	97.0





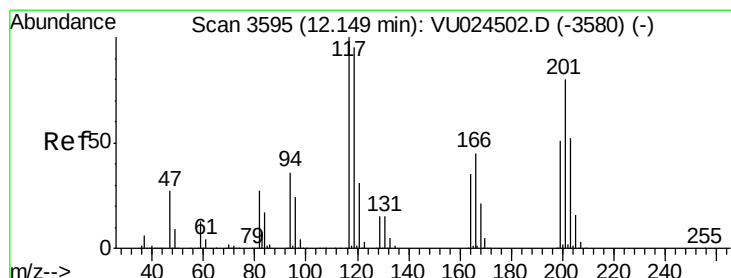
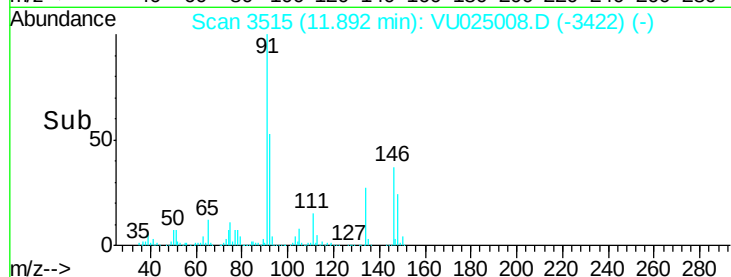
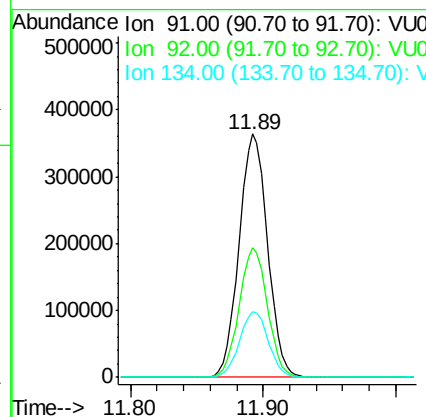
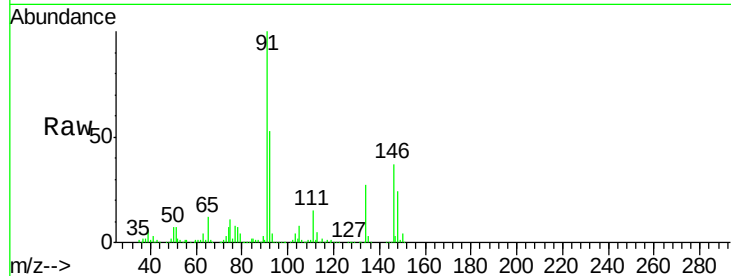
#89
n-Butylbenzene
Concen: 52.13 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.6	76.8
134	27.3	12.3	36.8

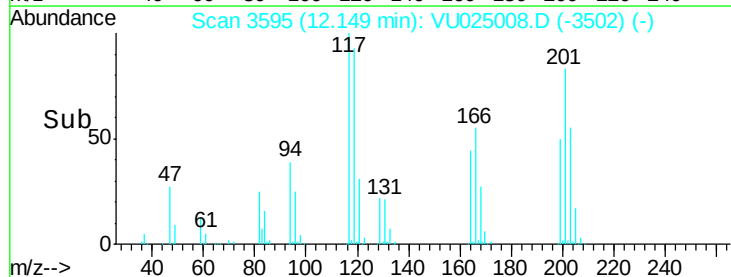
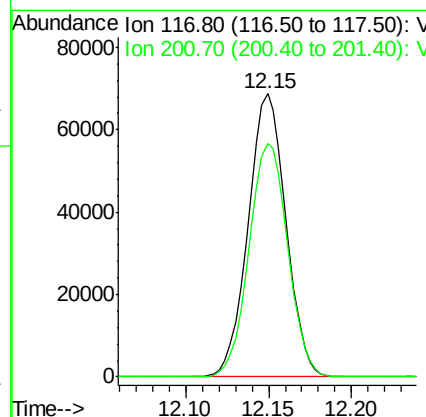
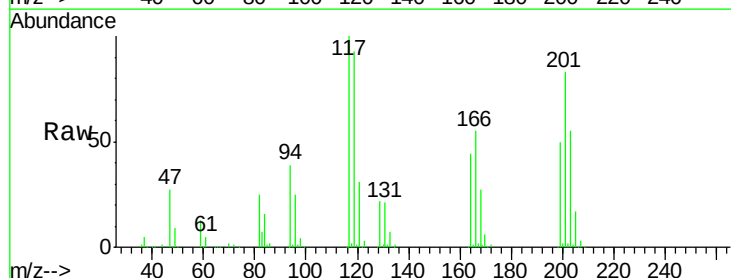
Manual Integrations
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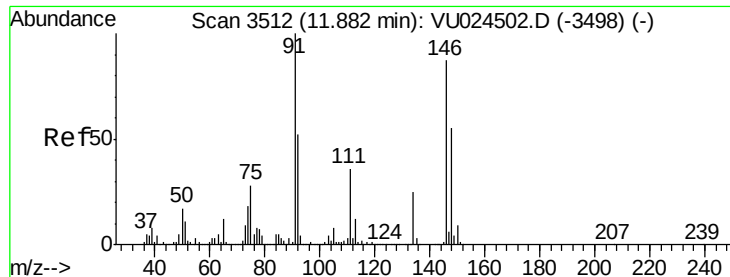
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#90
Hexachloroethane
Concen: 47.56 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025008.D
Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.1	123.3





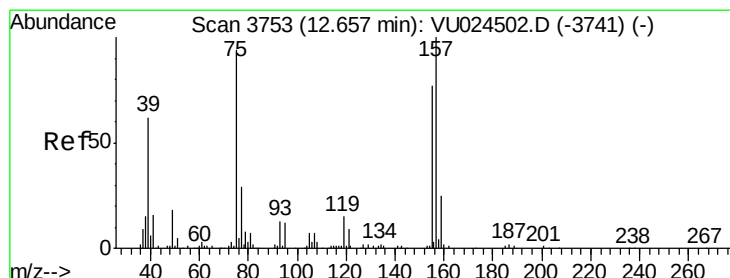
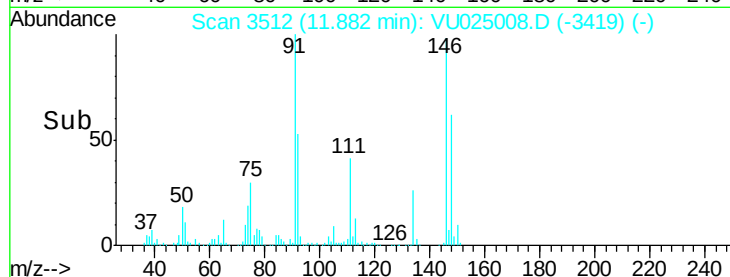
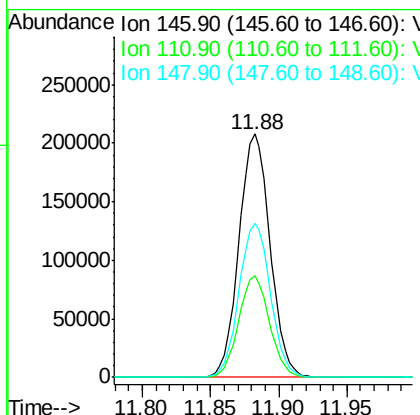
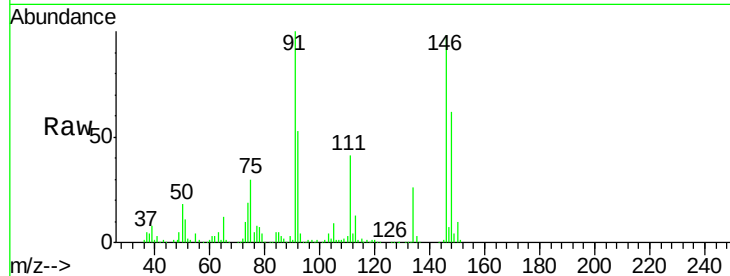
#91
 1,2-Dichlorobenzene
 Concen: 56.05 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.3	20.5	61.6	
148	63.9	31.9	95.7	

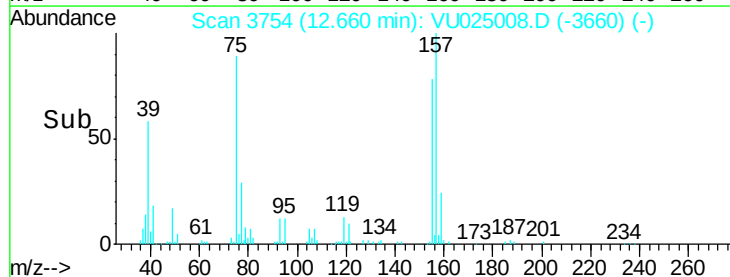
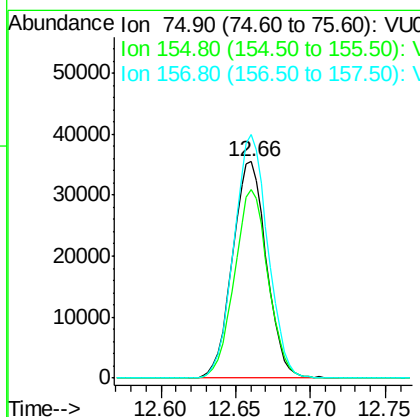
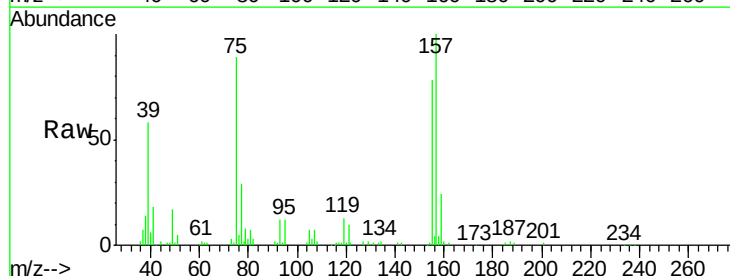
Manual Integrations
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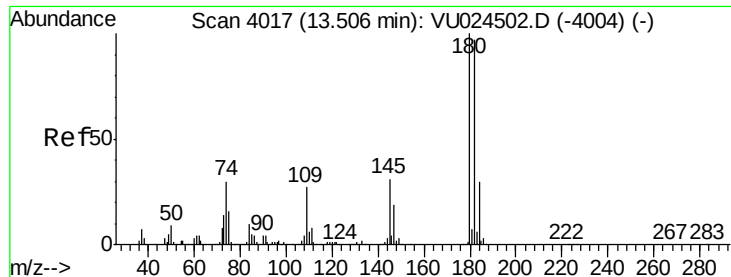
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.50 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	86.5	40.4	121.2	
157	111.8	52.3	156.8	





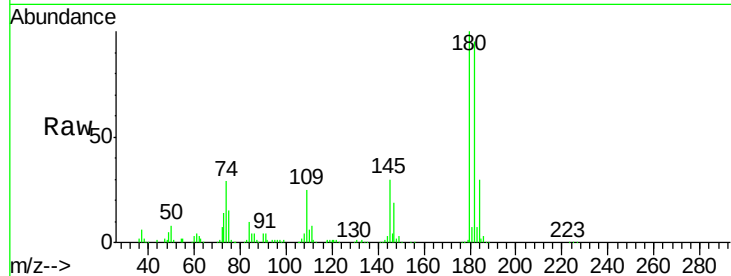
#93
 1,2,4-Trichlorobenzene
 Concen: 62.56 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	226655		
182	95.6	48.0	144.2	
145	30.5	14.7	44.1	

Manual Integrations
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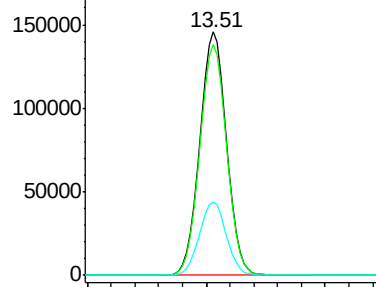


Abundance

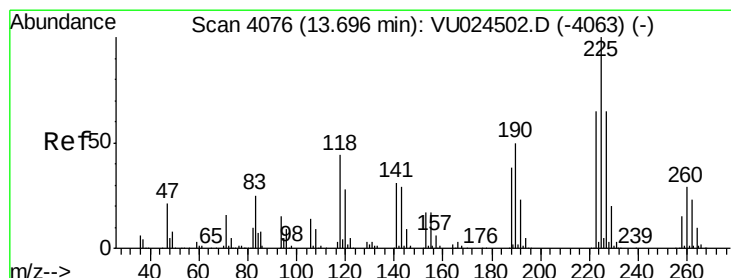
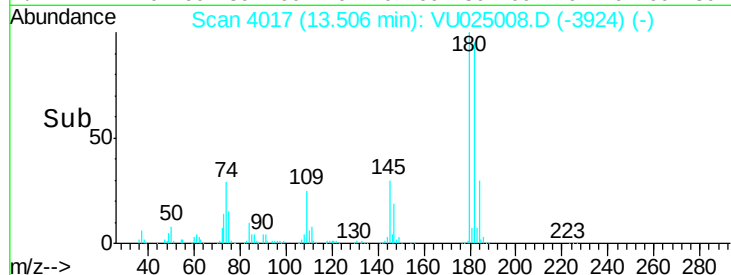
Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

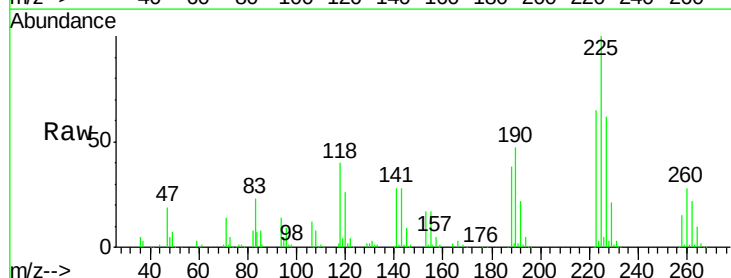


Time--> 13.40 13.50 13.60



#94
 Hexachlorobutadiene
 Concen: 58.69 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025008.D
 Acq: 28 Jun 2018 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119694		
223	64.0	31.3	93.8	
227	62.2	31.8	95.4	

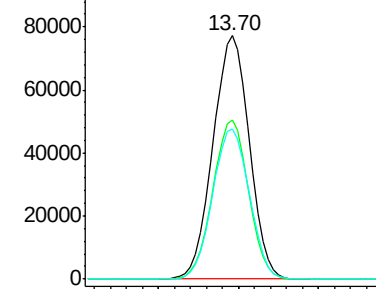


Abundance

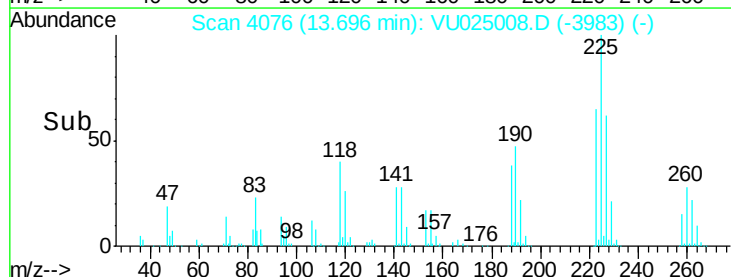
Ion 224.70 (224.40 to 225.40): V

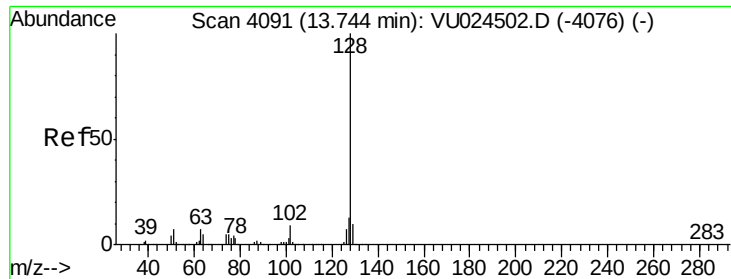
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time--> 13.65 13.70 13.75





#95

Naphthalene

Concen: 56.68 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Instrument :

MSVOA_U

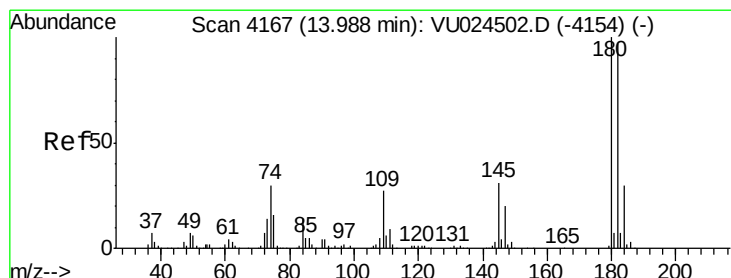
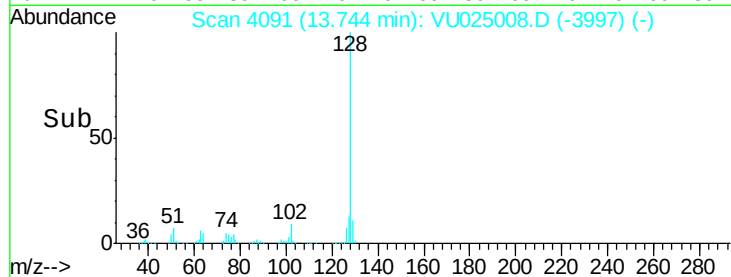
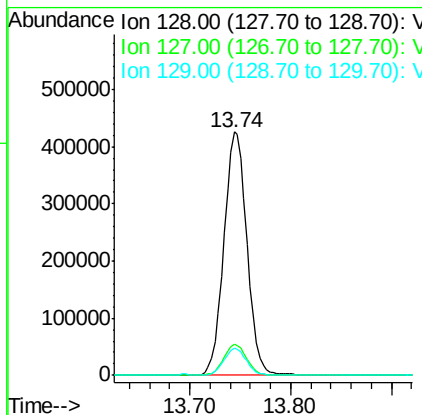
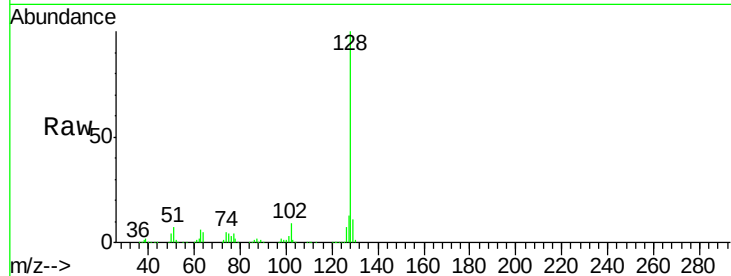
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	680963
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 63.57 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025008.D

Acq: 28 Jun 2018 10:01

Tgt Ion:	180	Resp:	229522
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	32.1	15.4	46.1

