

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025011.D
 Acq On : 28 Jun 2018 11:24
 Operator : MD/SY
 Sample : VU0628MBS01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:26 PM

Quant Time: Jun 29 05:31:45 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	182305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273735	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151929	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138583	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	
35) Dibromofluoromethane	4.89	113	110540	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	7.57	98	374881	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
62) 4-Bromofluorobenzene	10.31	95	153807	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38545	16.89	ug/l	99
3) Chloromethane	1.33	50	41716	17.89	ug/l	99
4) Vinyl Chloride	1.40	62	43314	18.02	ug/l	100
5) Bromomethane	1.62	94	28054	24.14	ug/l	96
6) Chloroethane	1.70	64	28814	20.83	ug/l	96
7) Trichlorofluoromethane	1.89	101	74073	20.19	ug/l	100
8) Diethyl Ether	2.10	74	26524	20.12	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43819	19.25	ug/l	97
10) Methyl Iodide	2.41	142	43996	25.71	ug/l	100
11) Tert butyl alcohol	2.82	59	63756	88.08	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40032	19.28	ug/l	96
13) Acrolein	2.19	56	12685	33.37	ug/l	93
14) Allyl chloride	2.60	41	69656	18.07	ug/l	98
15) Acrylonitrile	2.93	53	135029	95.88	ug/l	99
16) Acetone	2.32	43	162183	101.42	ug/l	96
17) Carbon Disulfide	2.48	76	113288	17.04	ug/l	99
18) Methyl Acetate	2.62	43	74820	21.83	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	156205	20.02	ug/l	97
20) Methylene Chloride	2.70	84	48769	19.44	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	43576	19.06	ug/l	98
22) Diisopropyl ether	3.57	45	150875	19.75	ug/l	94
23) Vinyl Acetate	3.53	43	642536	93.88	ug/l	99
24) 1,1-Dichloroethane	3.45	63	87979	20.02	ug/l	98
25) 2-Butanone	4.26	43	209408	97.49	ug/l	98
26) 2,2-Dichloropropane	4.23	77	84027	20.13	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	52609	20.02	ug/l	99
28) Bromochloromethane	4.55	49	39730	20.52	ug/l	86
29) Tetrahydrofuran	4.64	42	121948	91.68	ug/l	96
30) Chloroform	4.68	83	91152	20.49	ug/l	99
31) Cyclohexane	5.00	56	81677	19.73	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	84301	20.49	ug/l	96
36) 1,1-Dichloropropene	5.14	75	66050	20.53	ug/l	99
37) Ethyl Acetate	4.38	43	70614	20.14	ug/l	97
38) Carbon Tetrachloride	5.14	117	72706	20.55	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	83693	20.85	ug/l	97
40) Benzene	5.39	78	193143	21.07	ug/l	98
41) Methacrylonitrile	4.54	41	40754	21.56	ug/l	98
42) 1,2-Dichloroethane	5.41	62	77937	22.33	ug/l	99
43) Isopropyl Acetate	5.55	43	116945	19.30	ug/l	99
44) Trichloroethene	6.19	130	54260	20.80	ug/l	94
45) 1,2-Dichloropropane	6.44	63	50041	20.46	ug/l	96
46) Dibromomethane	6.56	93	35704	20.78	ug/l	92
47) Bromodichloromethane	6.76	83	68465	20.02	ug/l	99
48) Methyl methacrylate	6.63	41	59984	20.33	ug/l	98
49) 1,4-Dioxane	6.62	88	25487	441.65	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	376212	98.82	ug/l	99
52) Toluene	7.64	92	124211	21.06	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	74840	19.48	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	78275	19.12	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	50017	20.87	ug/l	97
56) Ethyl methacrylate	8.02	69	76915	19.17	ug/l	97
57) 1,3-Dichloropropane	8.25	76	85185	21.07	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	41504	27.00	ug/l	93
59) 2-Hexanone	8.36	43	301949	97.14	ug/l	99
60) Dibromochloromethane	8.48	129	56049	18.75	ug/l	99
61) 1,2-Dibromoethane	8.59	107	53932	20.22	ug/l	97
64) Tetrachloroethene	8.23	164	50276	20.97	ug/l	97
65) Chlorobenzene	9.12	112	139415	21.64	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	52617	21.50	ug/l	98
67) Ethyl Benzene	9.25	91	243463	21.56	ug/l	99
68) m/p-Xylenes	9.38	106	191409	44.14	ug/l	96
69) o-Xylene	9.78	106	93478	21.78	ug/l	98
70) Styrene	9.80	104	147644	20.93	ug/l	99
71) Bromoform	9.96	173	42614	18.32	ug/l #	98
73) Isopropylbenzene	10.17	105	253349	21.72	ug/l	100
74) N-amyl acetate	10.01	43	101768	18.34	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	79580	20.36	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	68732m	20.55	ug/l	
77) Bromobenzene	10.45	156	64174	21.73	ug/l	94
78) n-propylbenzene	10.59	91	286138	20.82	ug/l	97
79) 2-Chlorotoluene	10.66	91	173193	21.37	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	220088	21.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	26162m	18.10	ug/l	
82) 4-Chlorotoluene	10.78	91	199657	21.17	ug/l	99
83) tert-Butylbenzene	11.10	119	216753	22.29	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	218490	21.21	ug/l	100
85) sec-Butylbenzene	11.33	105	259313	21.30	ug/l	98
86) p-Isopropyltoluene	11.48	119	232072	21.29	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115445	21.16	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	116299	21.18	ug/l	99
89) n-Butylbenzene	11.89	91	183641	18.97	ug/l	97
90) Hexachloroethane	12.15	117	39310	18.48	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	118820	21.74	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20176	18.71	ug/l	96

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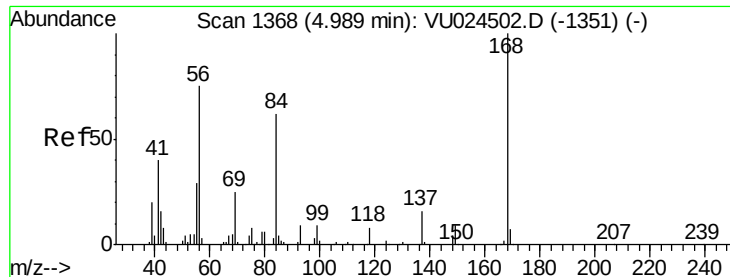
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73626	21.82	ug/l	99
94) Hexachlorobutadiene	13.70	225	41281	21.73	ug/l	99
95) Naphthalene	13.75	128	231557	21.13	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	75104	22.34	ug/l	98

(#) = 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: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion:168 Resp: 182305

Ion Ratio Lower Upper

168 100

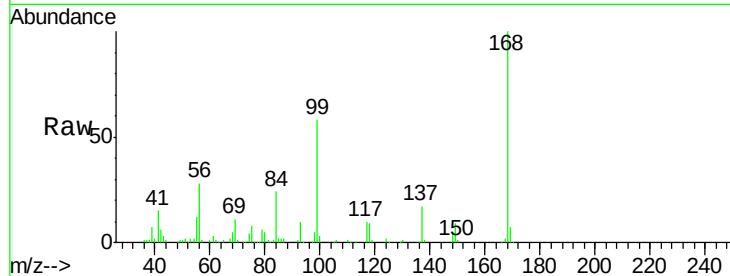
99 57.0 43.2 64.8

Manual Integrations

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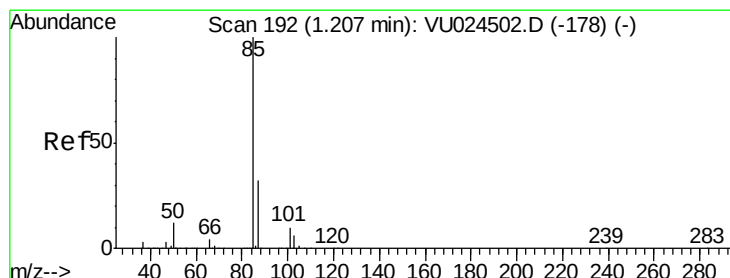
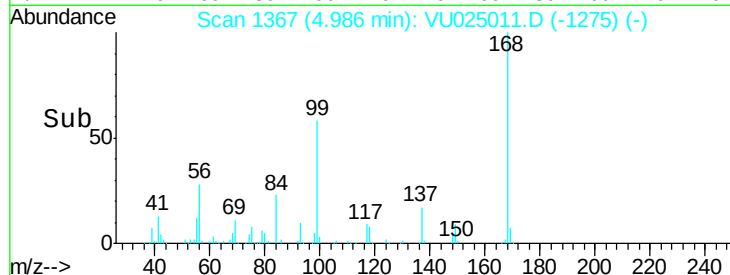
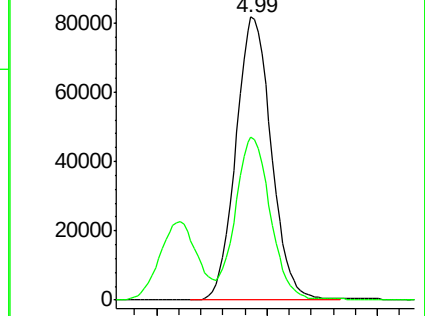
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 16.89 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025011.D

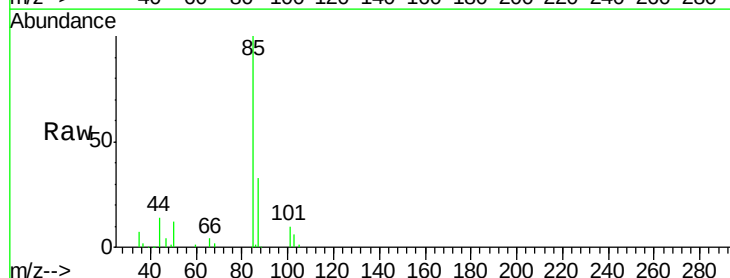
Acq: 28 Jun 2018 11:24

Tgt Ion: 85 Resp: 38545

Ion Ratio Lower Upper

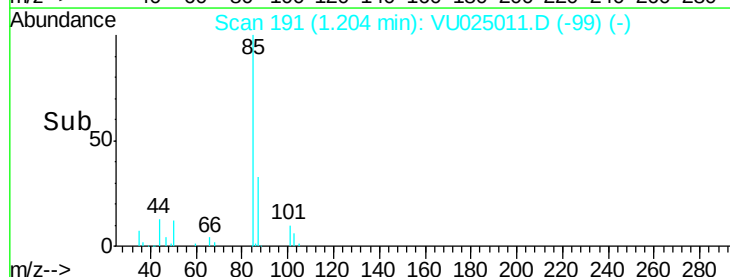
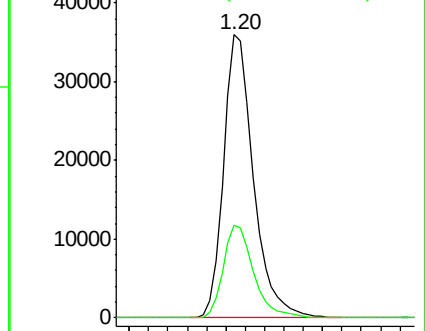
85 100

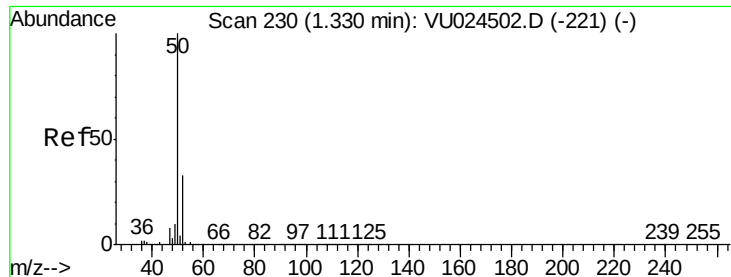
87 32.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 17.89 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 50 Resp: 41716

Ion Ratio Lower Upper

50 100

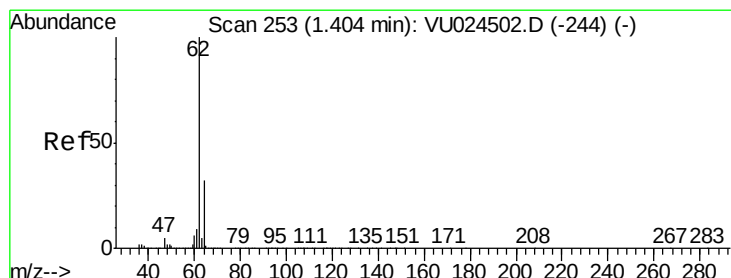
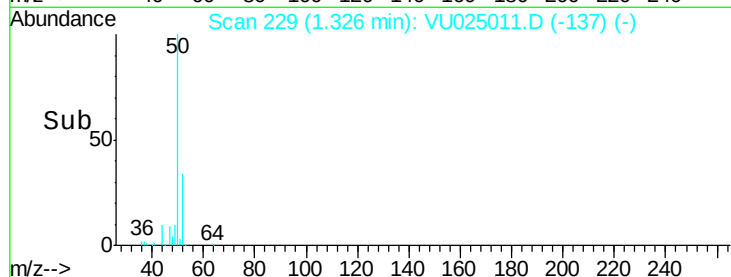
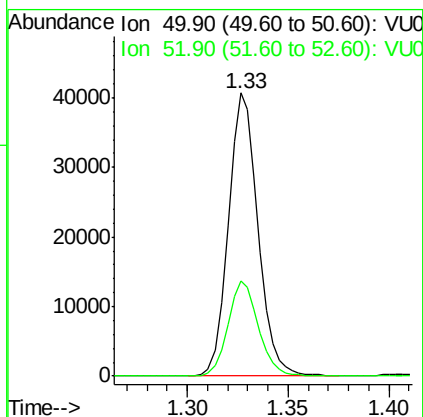
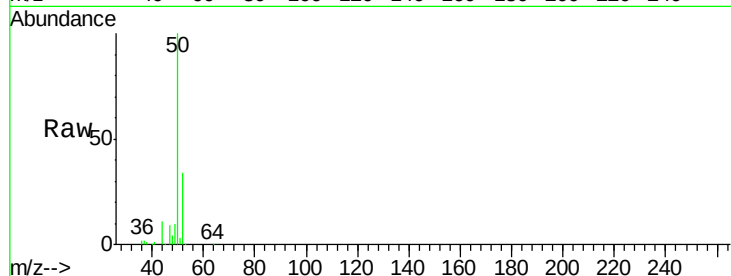
52 33.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.02 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025011.D

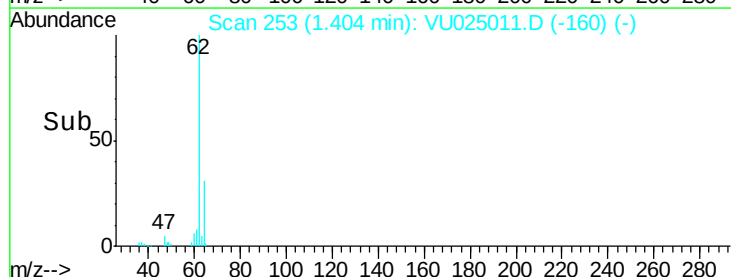
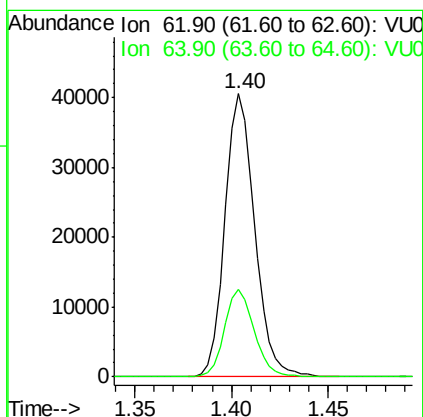
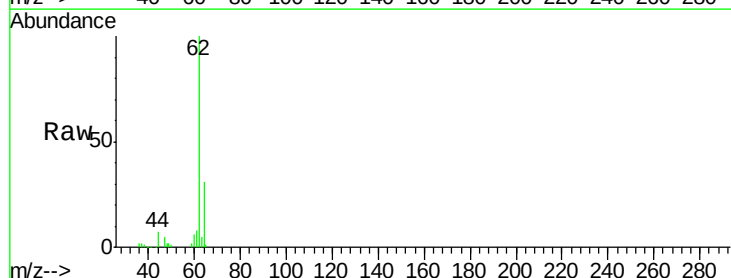
Acq: 28 Jun 2018 11:24

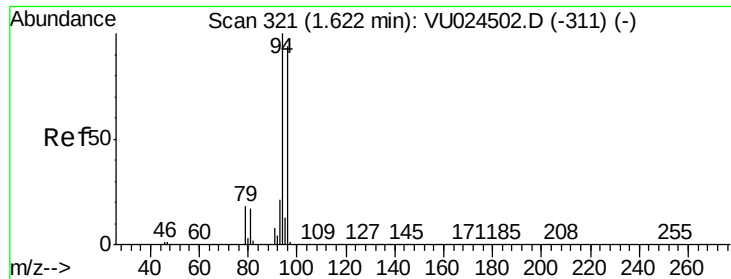
Tgt Ion: 62 Resp: 43314

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 24.14 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampled :

VU0628MBS01

Tot Ion: 94 Resp: 28054

Ion Ratio Lower Upper

94 100

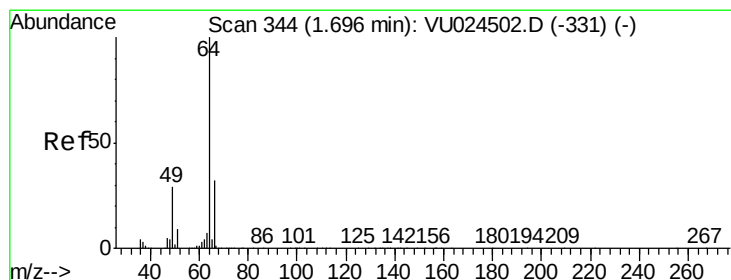
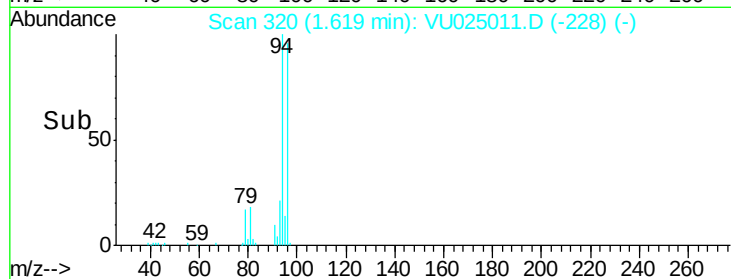
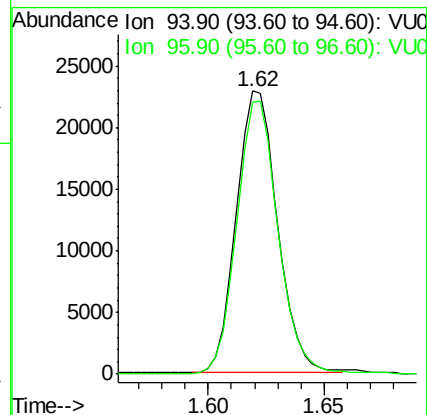
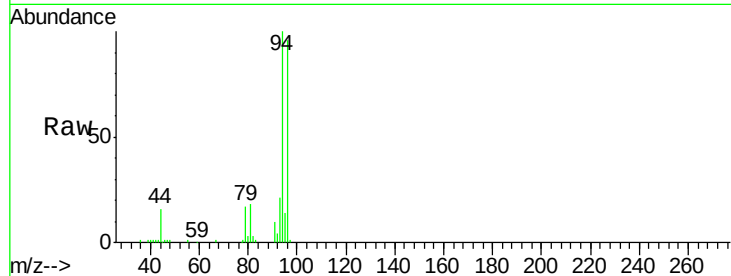
96 96.7 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 20.83 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025011.D

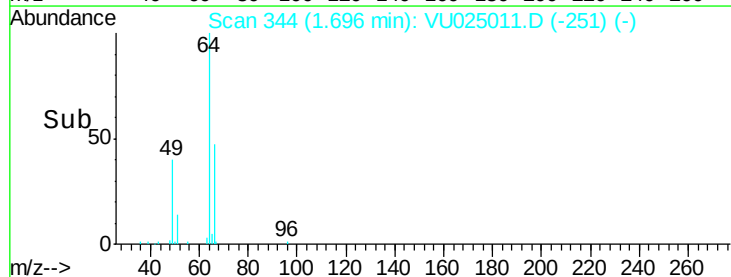
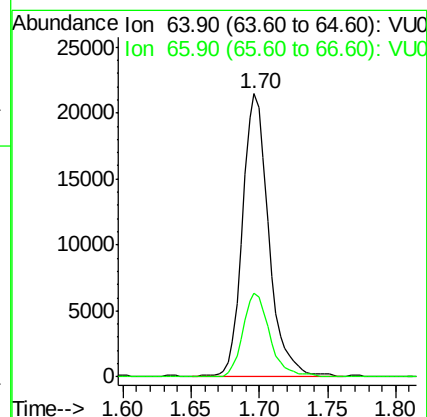
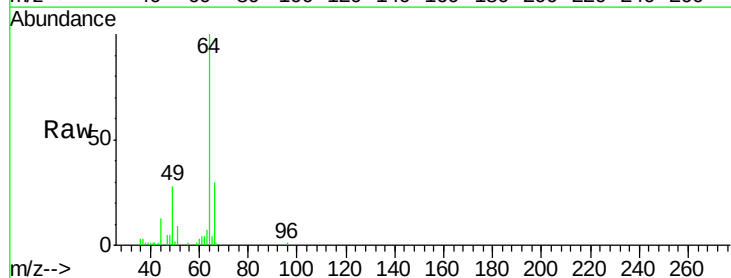
Acq: 28 Jun 2018 11:24

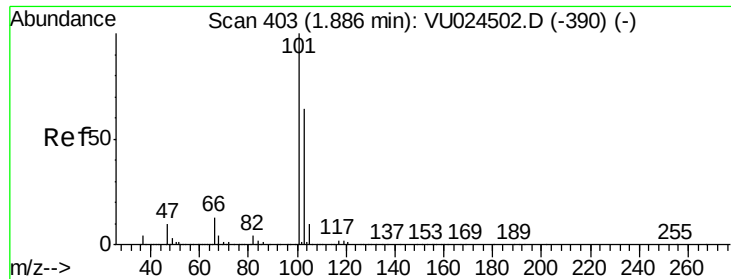
Tgt Ion: 64 Resp: 28814

Ion Ratio Lower Upper

64 100

66 29.8 25.5 38.3





#7

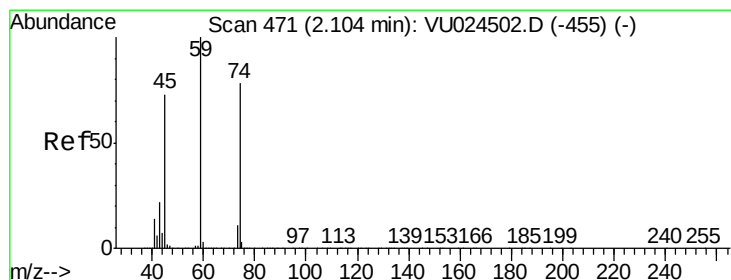
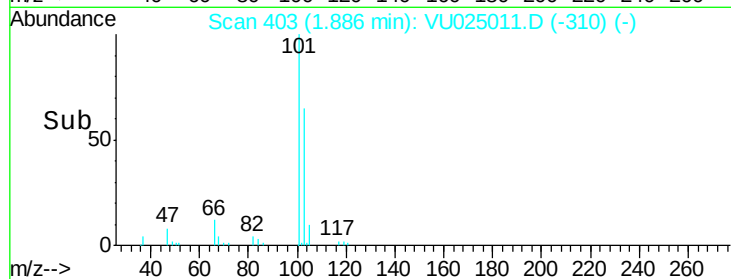
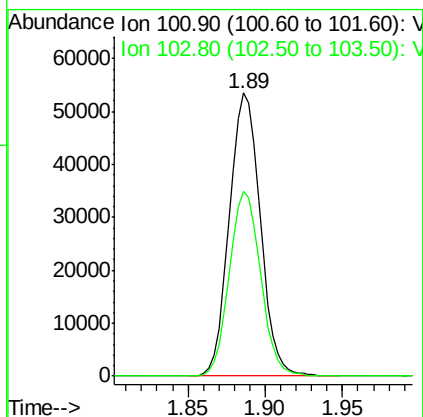
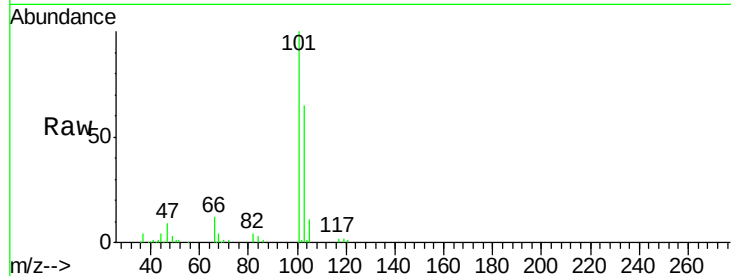
Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

Manual Integrations
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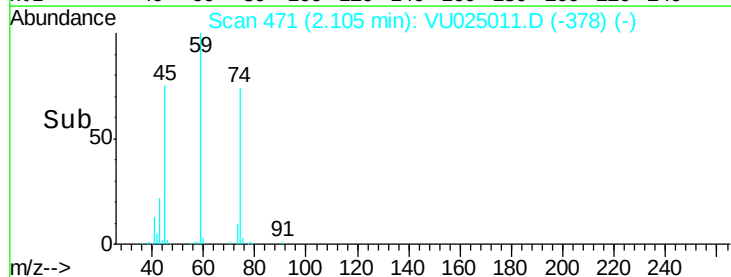
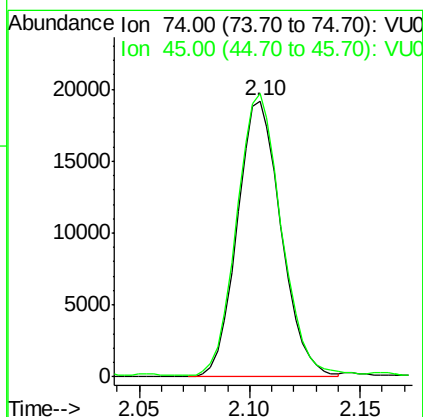
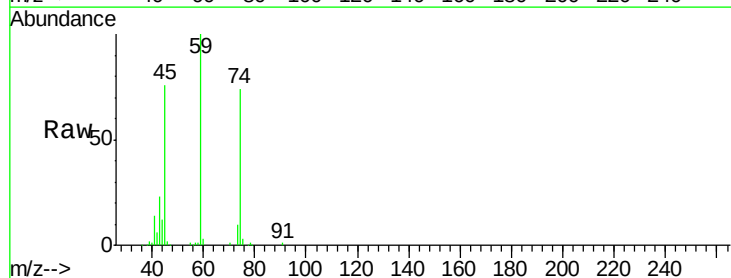
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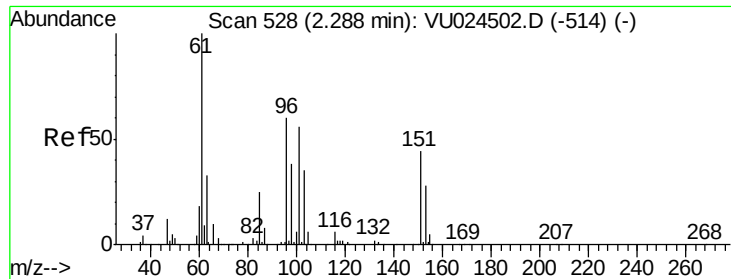


#8

Diethyl Ether
 Concen: 20.12 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.25 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

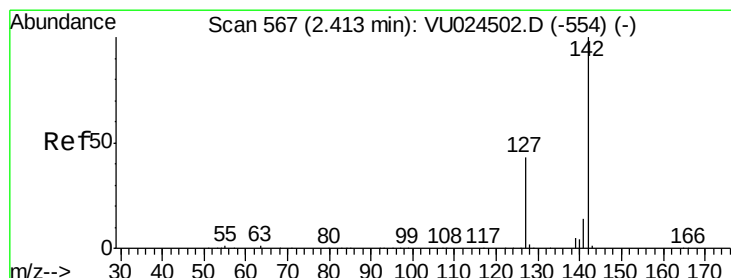
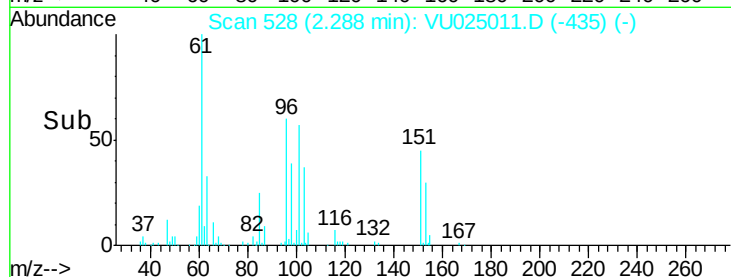
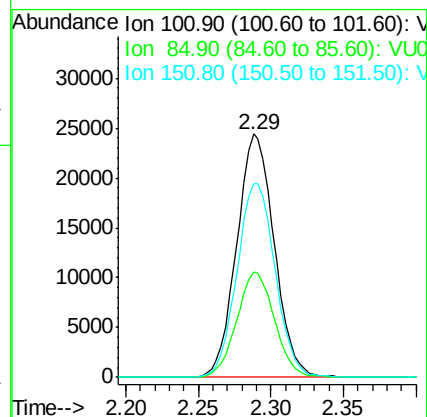
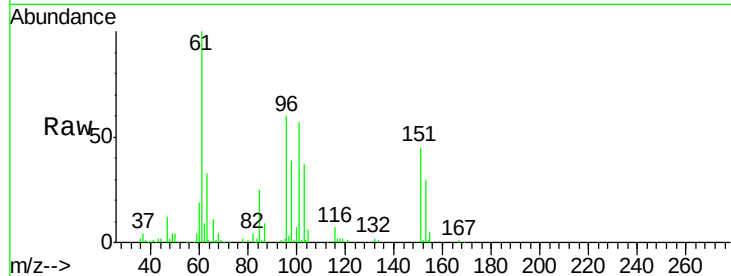
ClientSampleId :

VU0628MBS01

Tot Ion:	101	Resp:	43819
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.0	54.0
151	81.2	62.3	93.5

Manual Integrations
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MMDadoda
6/29/2018 4:23:26 PM



#10

Methyl Iodide

Concen: 25.71 ug/l

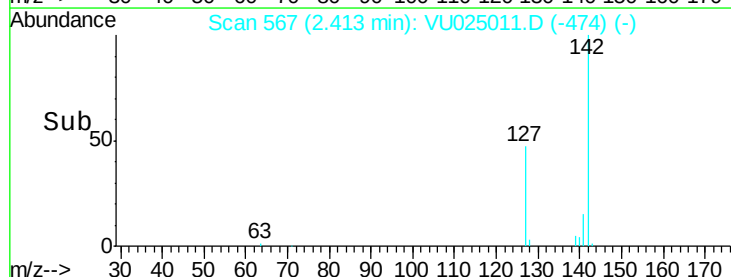
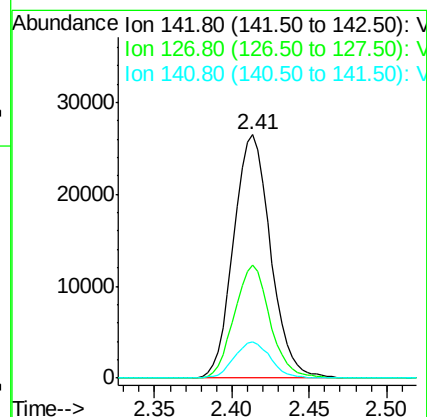
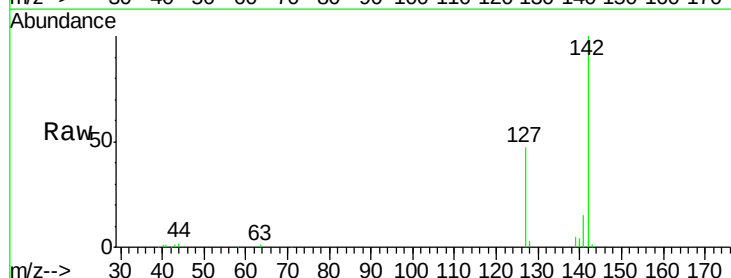
RT: 2.41 min Scan# 567

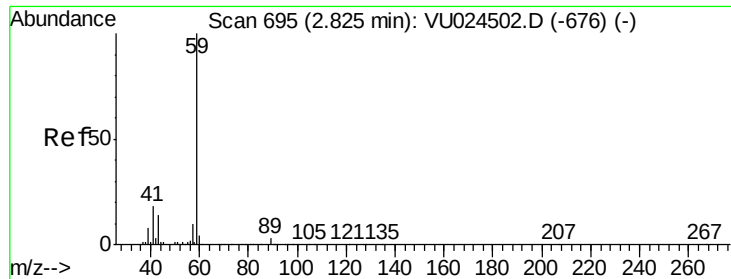
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	142	Resp:	43996
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.6	53.4
141	14.5	11.7	17.5





#11

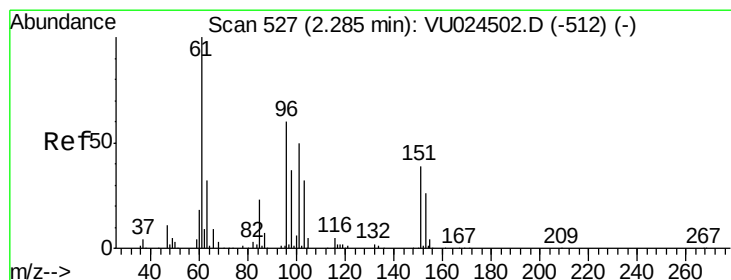
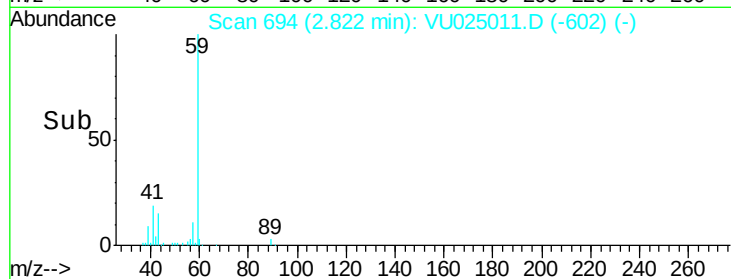
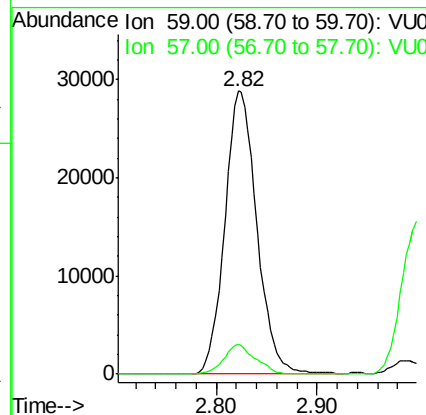
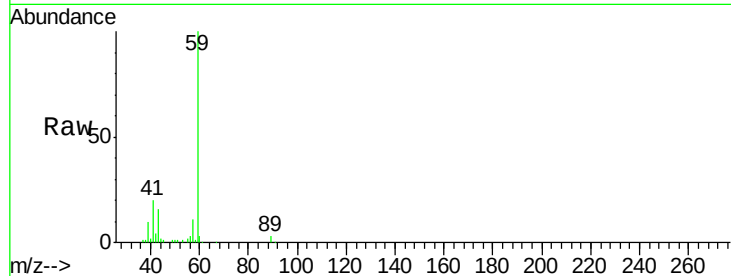
Tert butyl alcohol
Concen: 88.08 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
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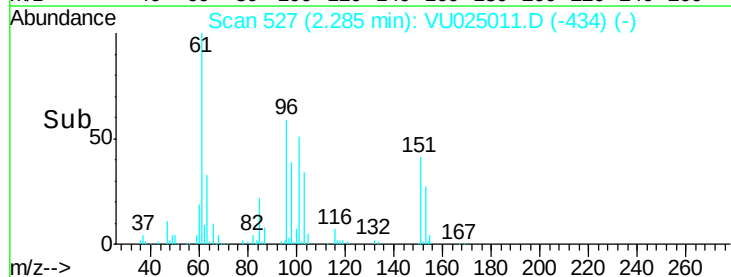
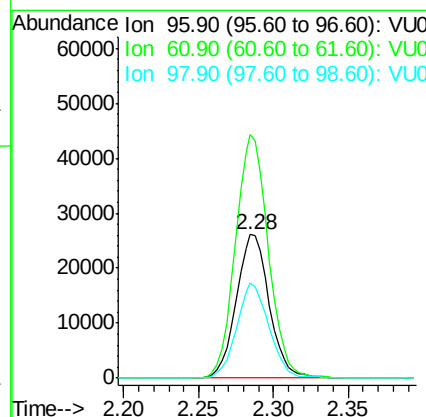
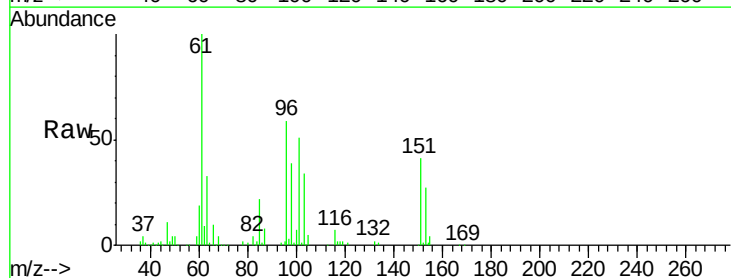
MMDadoda
6/29/2018 4:23:26 PM

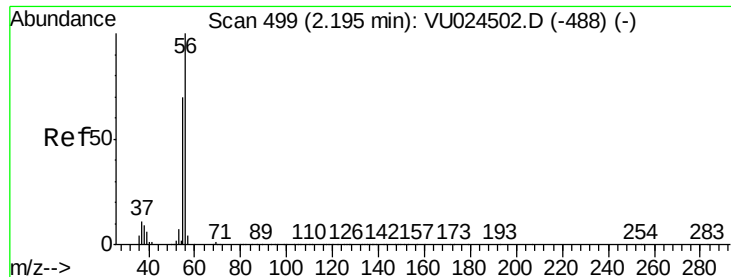


#12

1,1-Dichloroethene
Concen: 19.28 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	141.7	212.5
98	66.3	51.6	77.4





#13

Acrolein

Concen: 33.37 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tot Ion: 56 Resp: 12685

Ion Ratio Lower Upper

56 100

55 67.4 58.4 87.6

Instrument :

MSVOA_U

ClientSampleId :

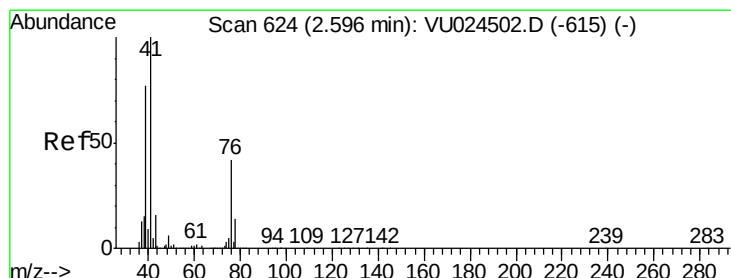
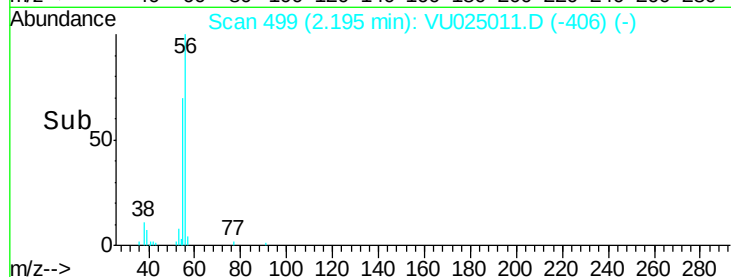
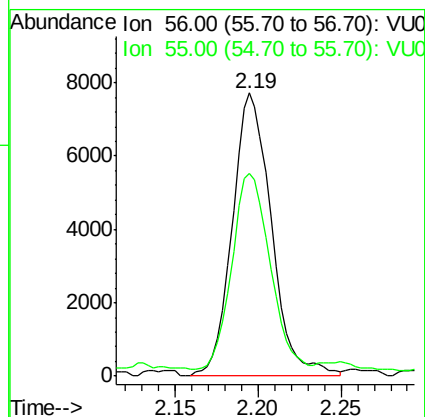
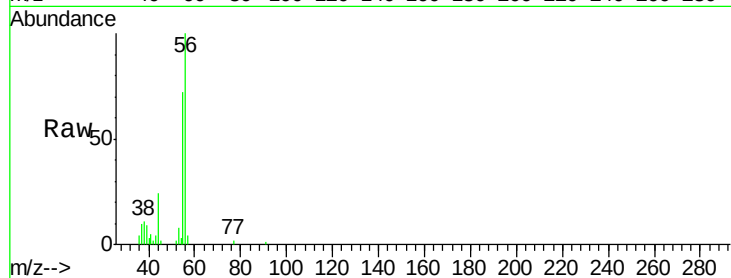
VU0628MBS01

Manual Integrations

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#14

Allyl chloride

Concen: 18.07 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

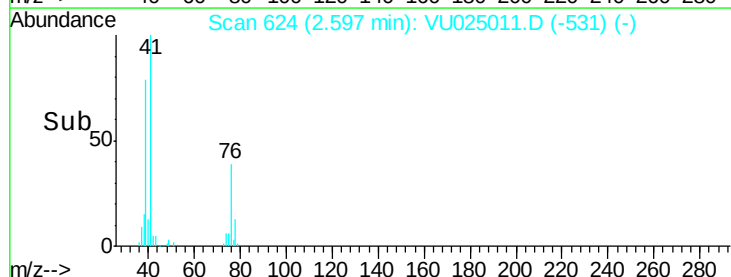
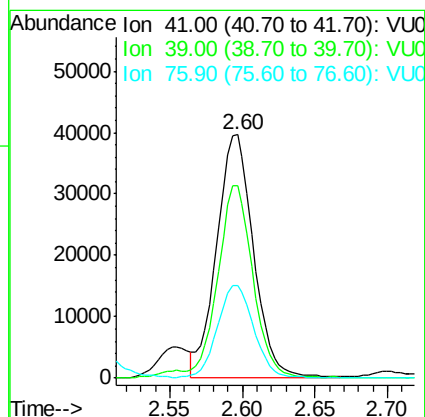
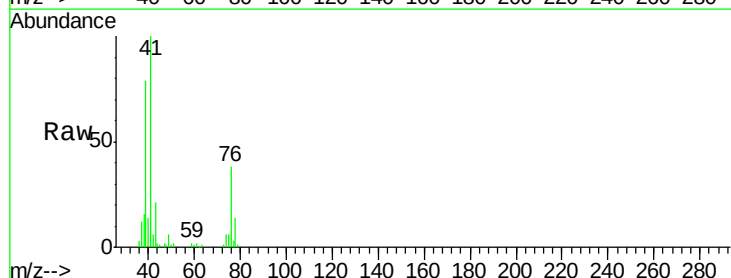
Tgt Ion: 41 Resp: 69656

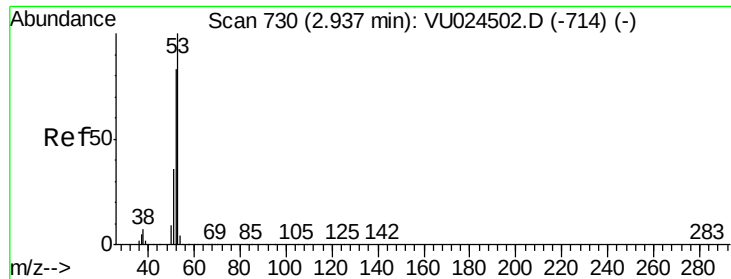
Ion Ratio Lower Upper

41 100

39 74.7 61.6 92.4

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 95.88 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

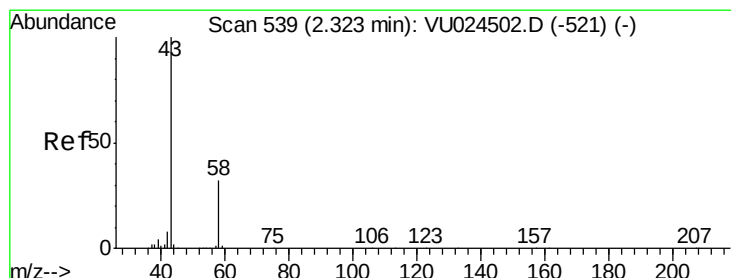
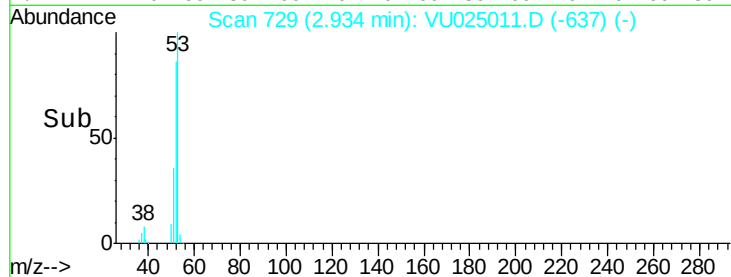
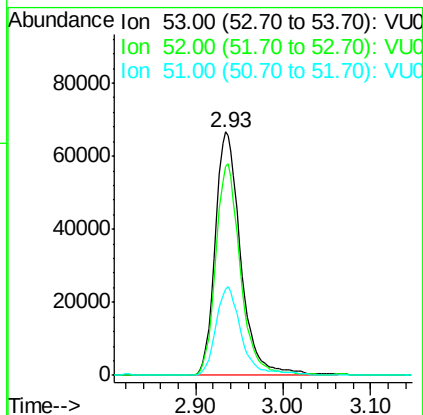
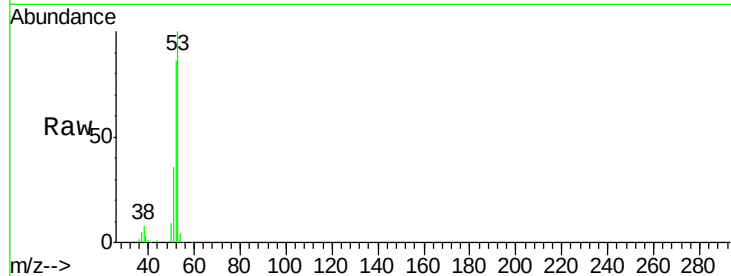
ClientSampleId :

VU0628MBS01

Tot Ion:	53	Resp:	135029
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.1	100.7
51	36.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 101.42 ug/l

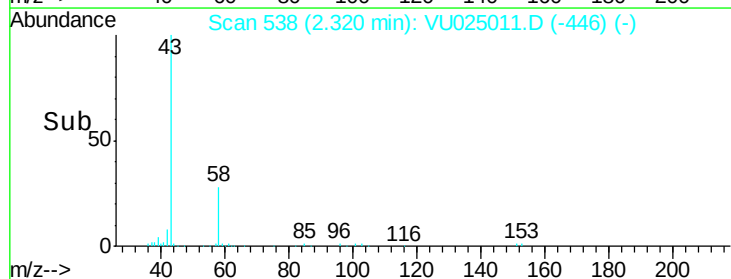
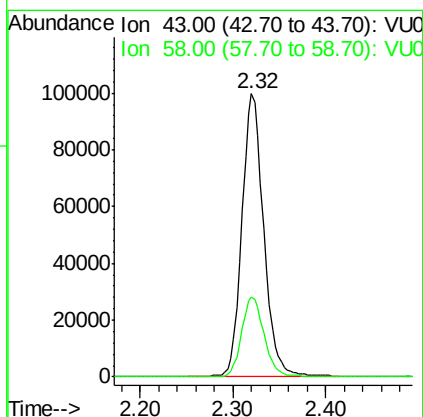
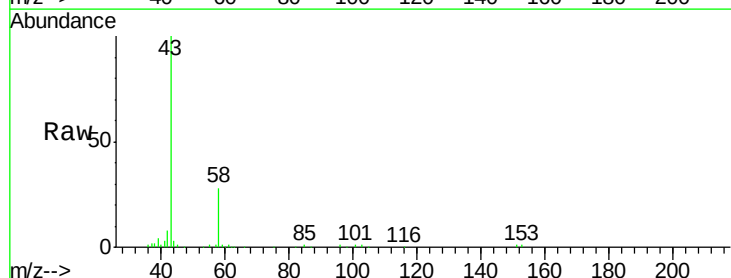
RT: 2.32 min Scan# 538

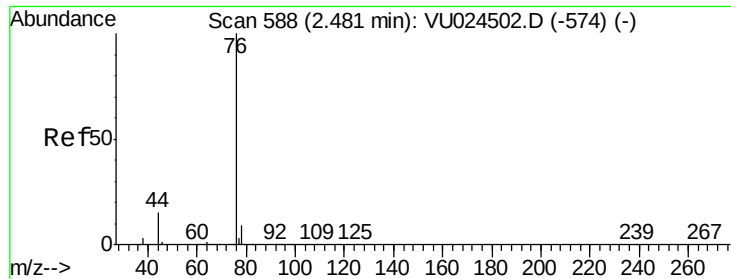
Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	43	Resp:	162183
Ion	Ratio	Lower	Upper
43	100		
58	28.5	24.4	36.6





#17

Carbon Disulfide

Concen: 17.04 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 76 Resp: 113288

Ion Ratio Lower Upper

76 100

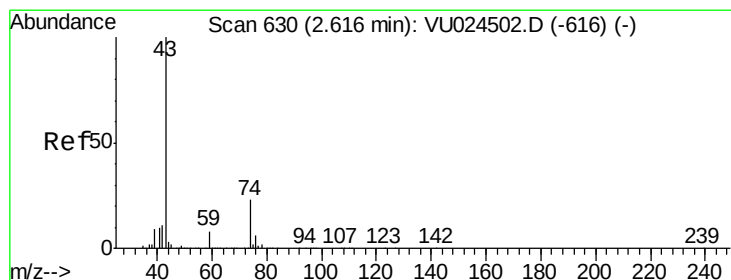
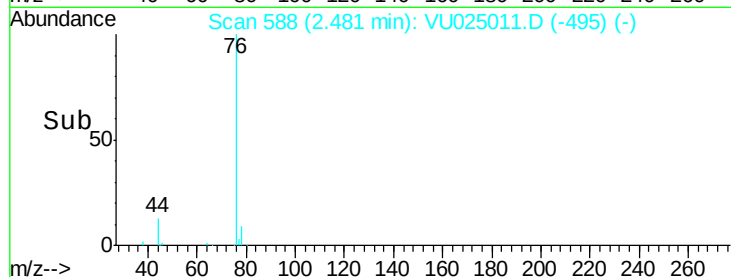
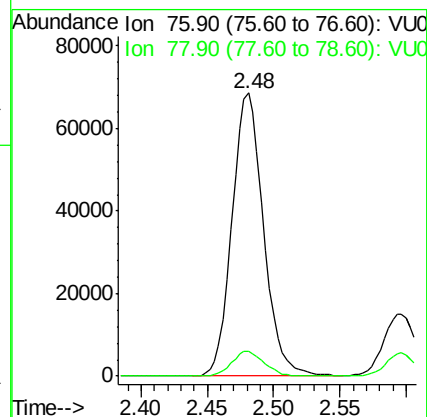
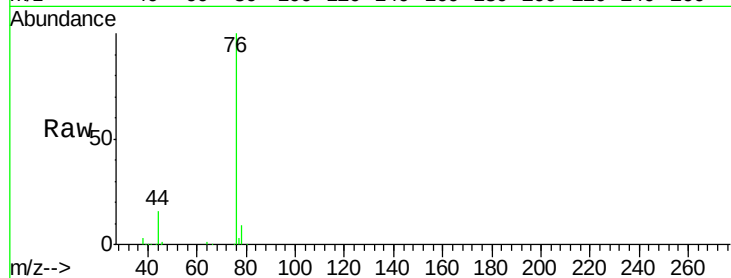
78 8.7 7.1 10.7

Manual Integrations

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MMDadoda

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#18

Methyl Acetate

Concen: 21.83 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025011.D

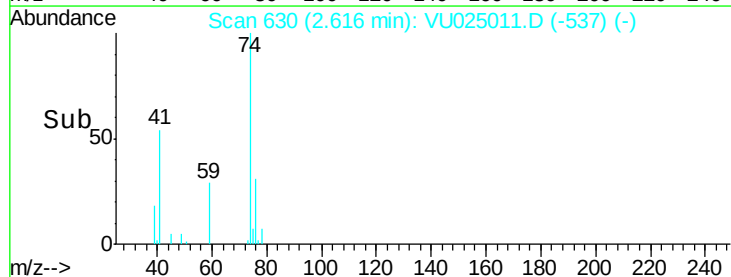
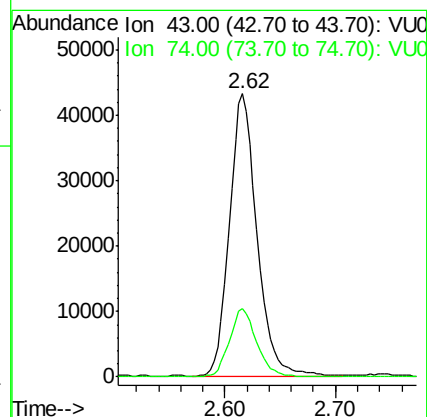
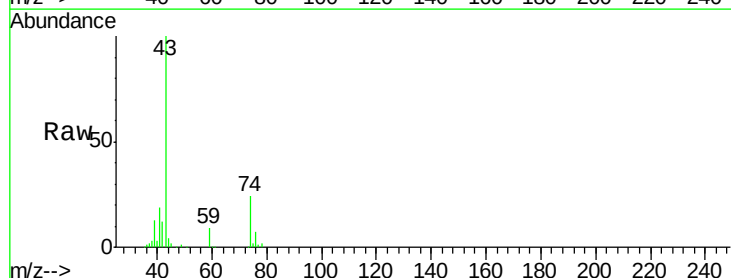
Acq: 28 Jun 2018 11:24

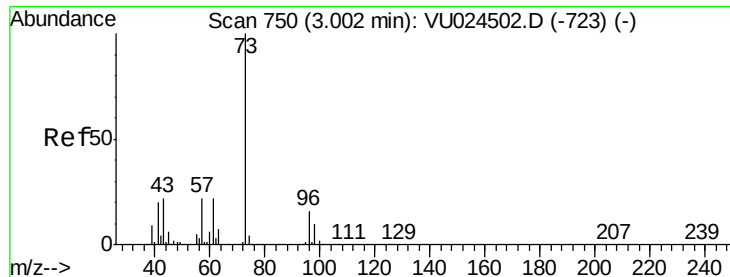
Tgt Ion: 43 Resp: 74820

Ion Ratio Lower Upper

43 100

74 24.0 18.0 27.0





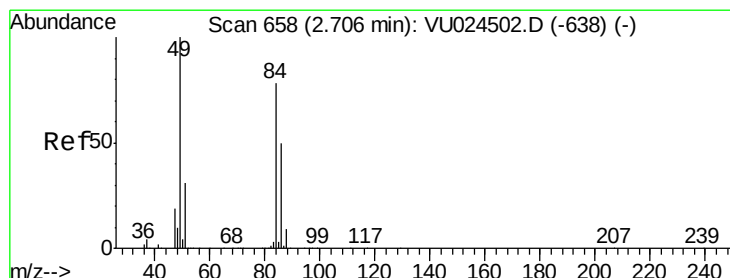
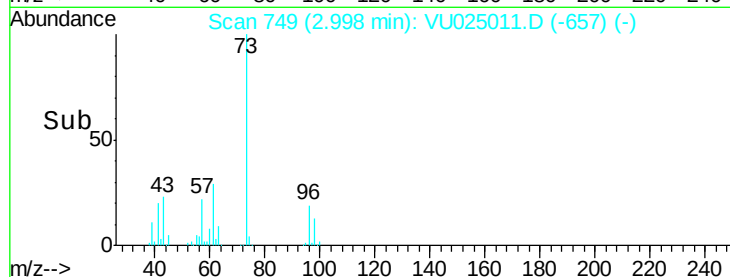
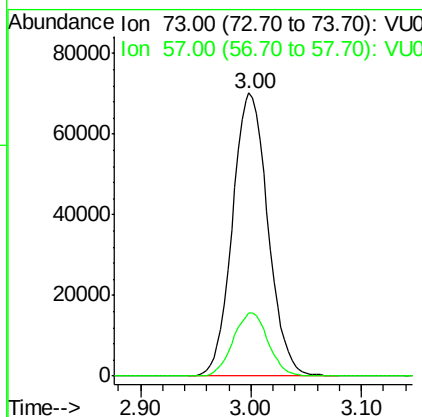
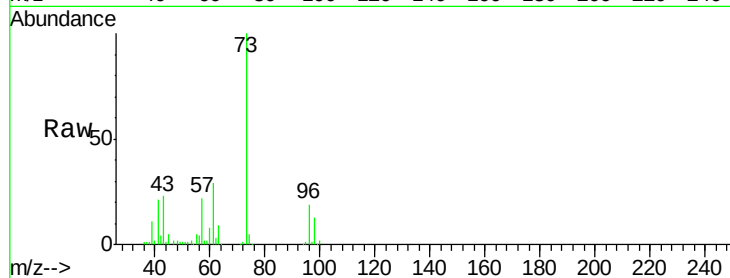
#19
Methvl tert-butvl Ether
Concen: 20.02 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.8	28.2

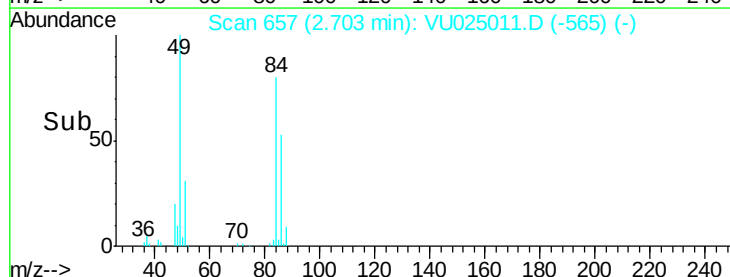
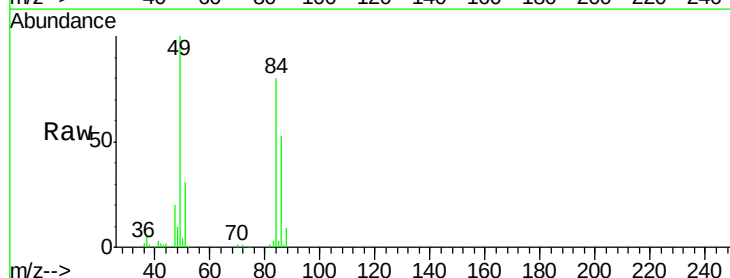
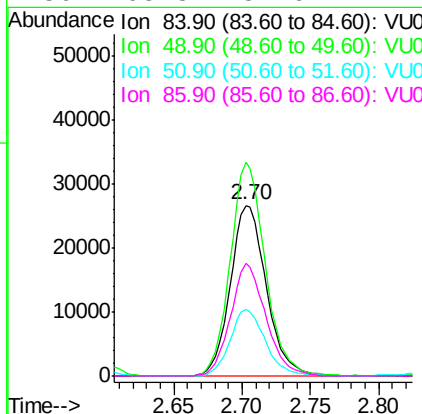
Manual Integrations
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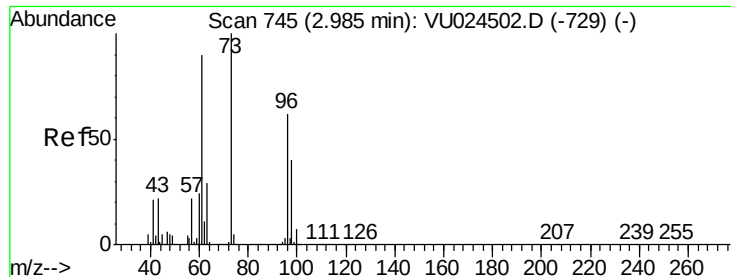
MMDadoda
6/29/2018 4:23:26 PM



#20
Methylene Chloride
Concen: 19.44 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.0	103.8	155.8
51	39.2	32.0	48.0
86	65.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.06 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

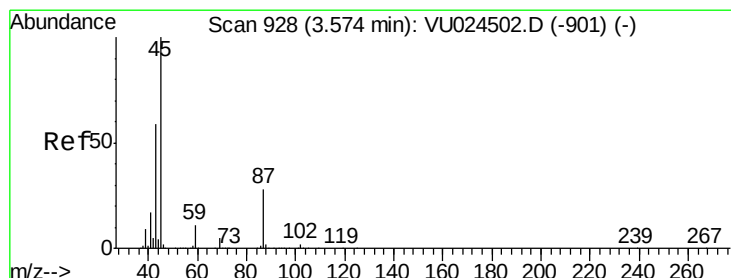
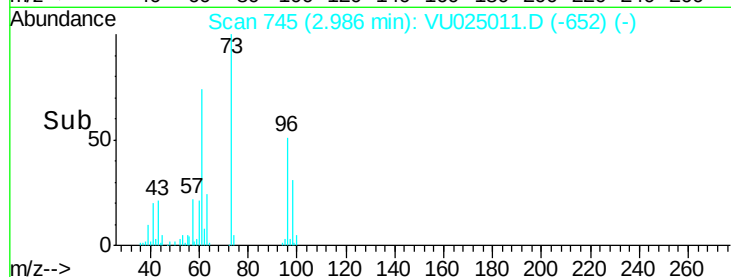
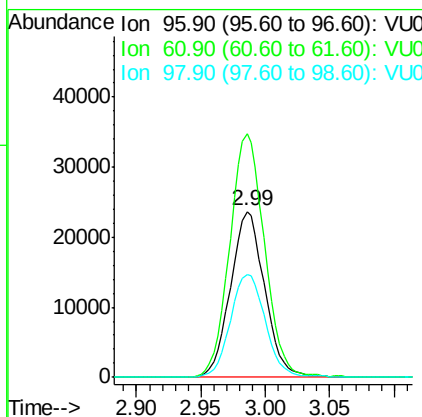
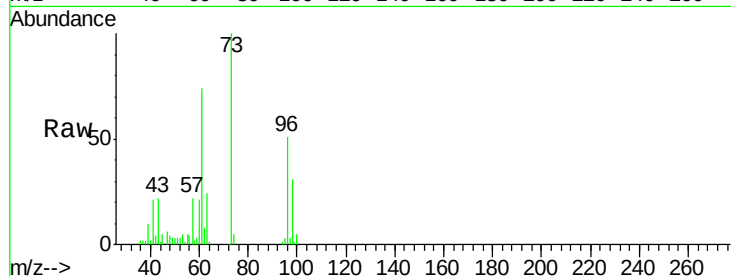
ClientSampleId :

VU0628MBS01

Tot Ion:	96	Resp:	43576
Ion	Ratio	Lower	Upper
96	100		
61	146.9	119.4	179.0
98	62.2	51.1	76.7

Manual Integrations
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6/29/2018 4:23:26 PM



#22

Diisopropyl ether

Concen: 19.75 ug/l

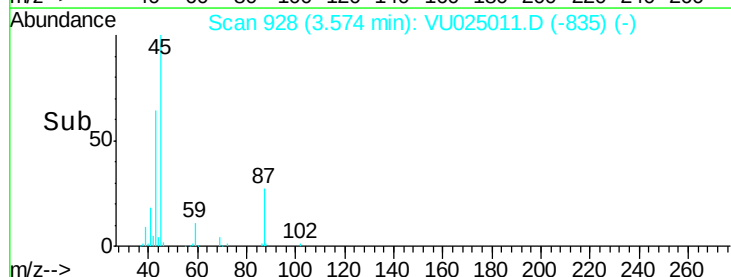
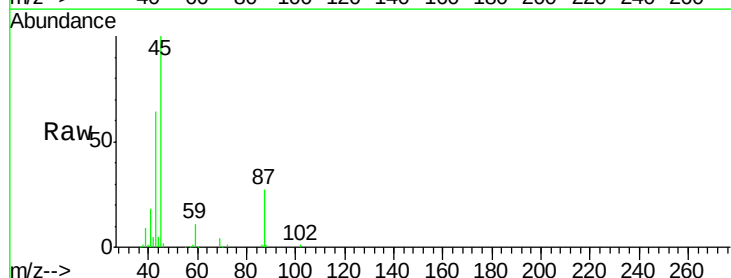
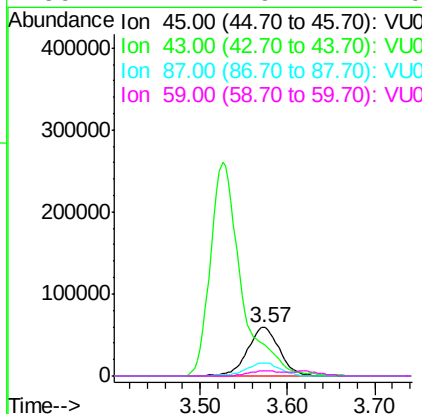
RT: 3.57 min Scan# 928

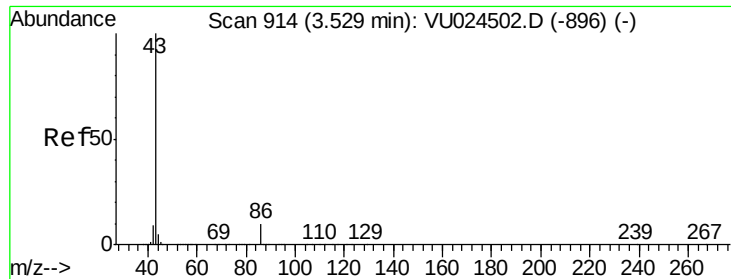
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	45	Resp:	150875
Ion	Ratio	Lower	Upper
45	100		
43	62.8	45.8	68.6
87	27.3	20.6	31.0
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 93.88 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 43 Resp: 642536

Ion Ratio Lower Upper

43 100

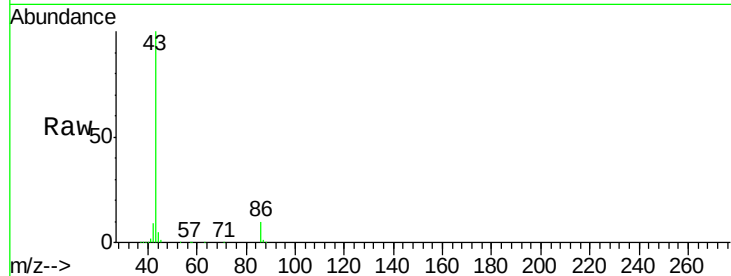
86 10.2 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

300000

250000

200000

150000

100000

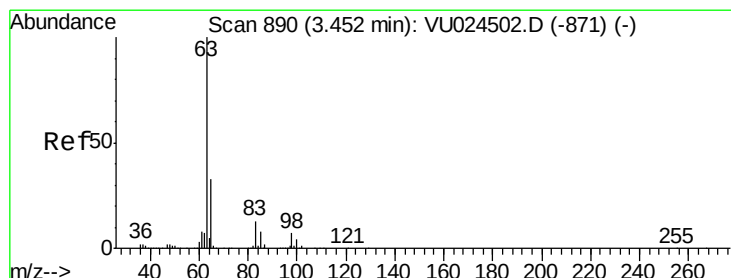
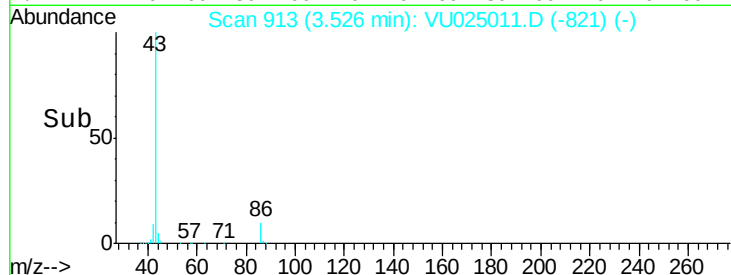
50000

0

3.53

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.02 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

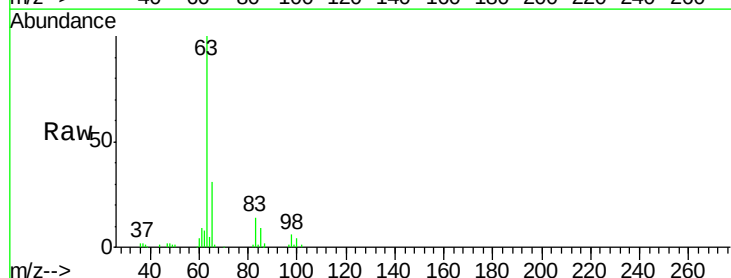
Tgt Ion: 63 Resp: 87979

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.2 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

50000

40000

30000

20000

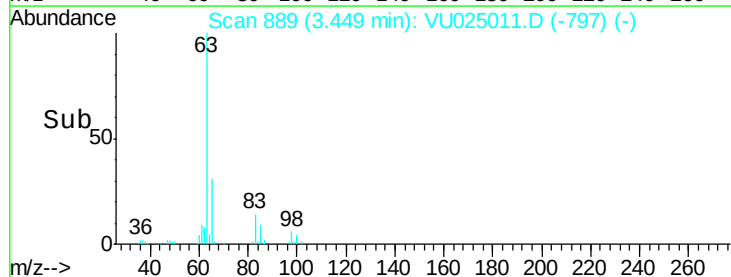
10000

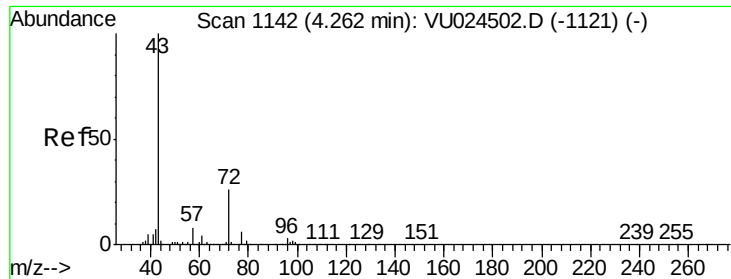
0

3.45

3.40 3.50

Time-->





#25

2-Butanone

Concen: 97.49 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 43 Resp: 209408

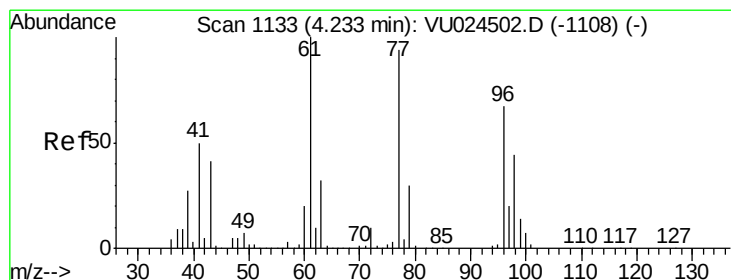
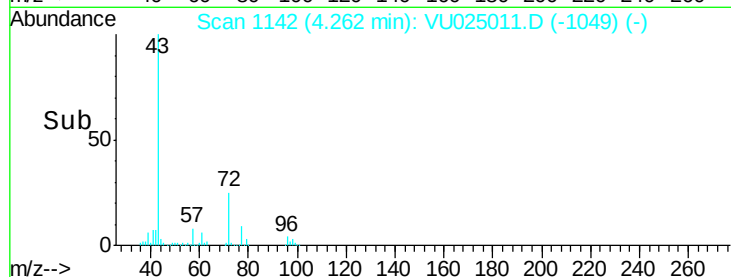
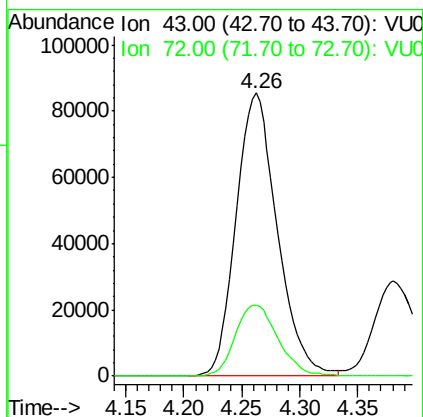
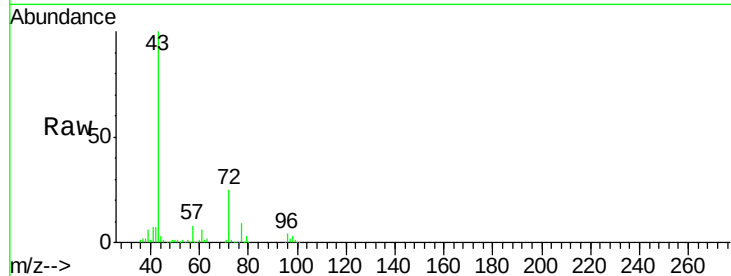
Ion Ratio Lower Upper

43 100

72 25.3 19.6 29.4

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:26 PM



#26

2,2-Dichloropropane

Concen: 20.13 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025011.D

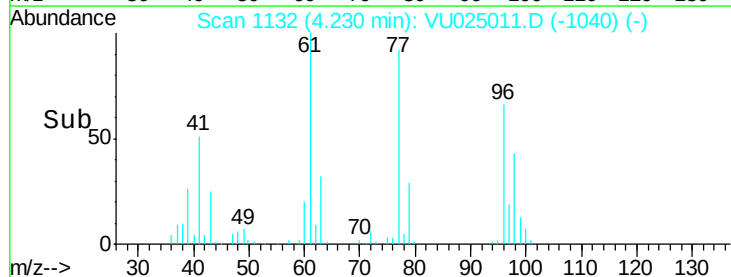
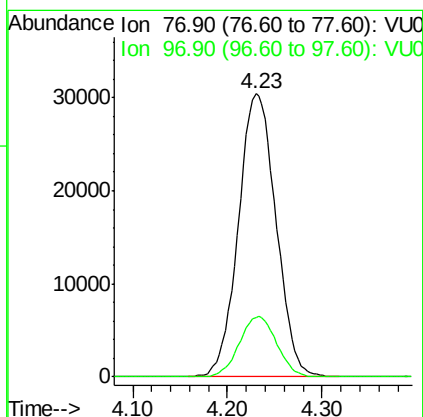
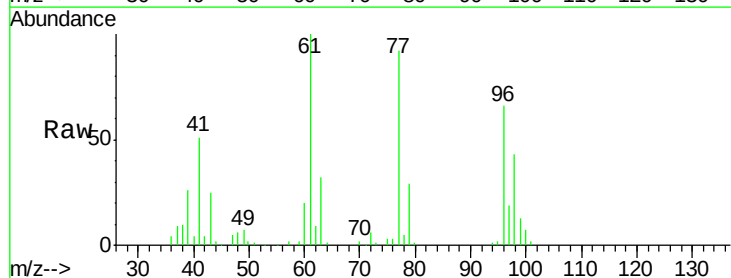
Acq: 28 Jun 2018 11:24

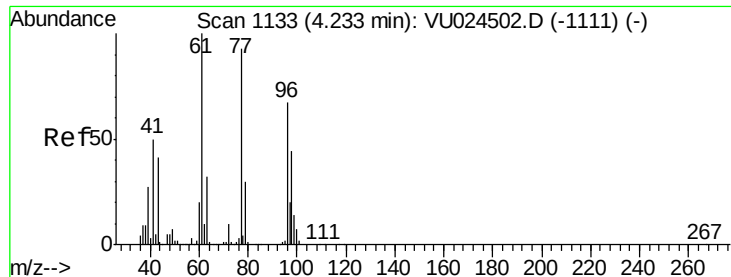
Tgt Ion: 77 Resp: 84027

Ion Ratio Lower Upper

77 100

97 21.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.02 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

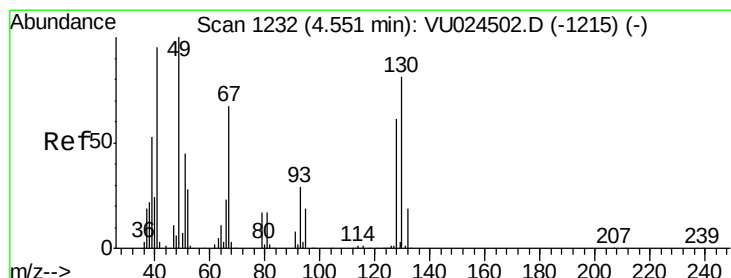
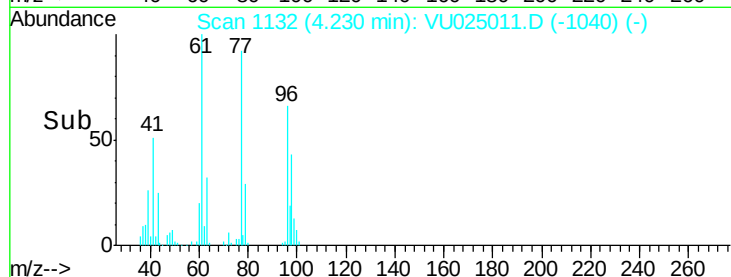
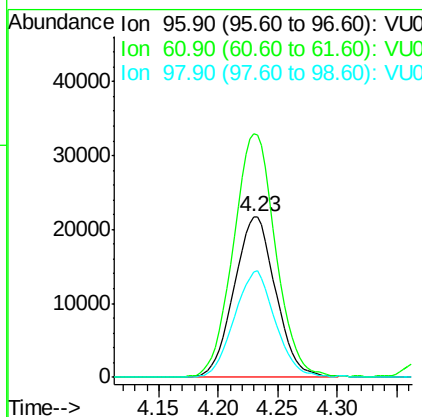
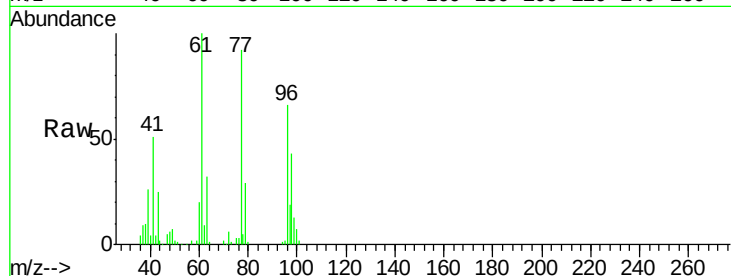
ClientSampleId :

VU0628MBS01

Tot Ion:	96	Resp:	52609
Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	306.6
98	65.3	0.0	128.8

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#28

Bromochloromethane

Concen: 20.52 ug/l

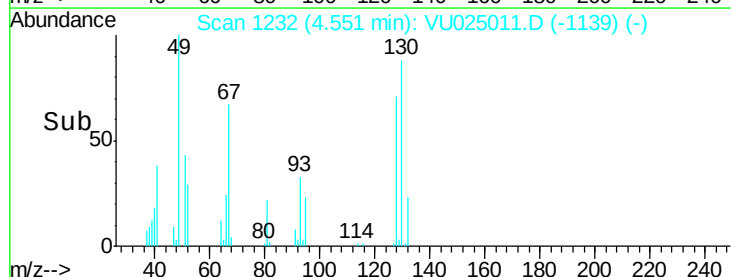
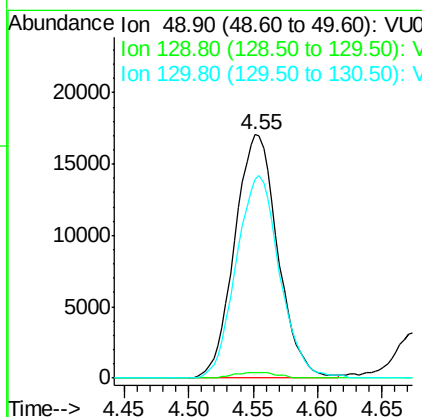
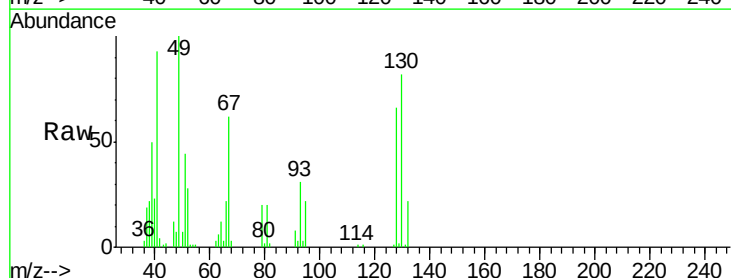
RT: 4.55 min Scan# 1232

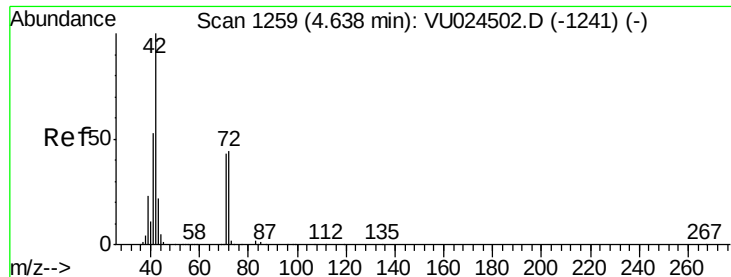
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	49	Resp:	39730
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	83.8	57.8	86.6





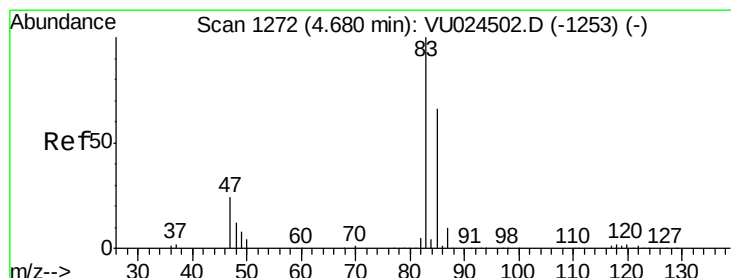
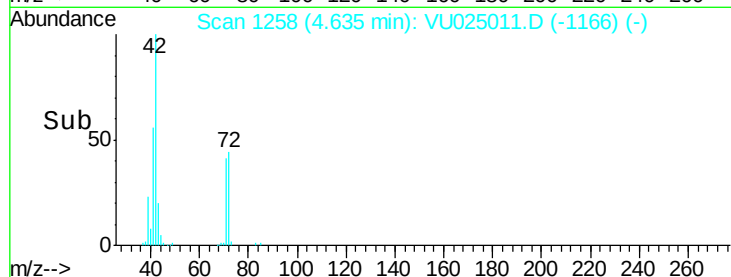
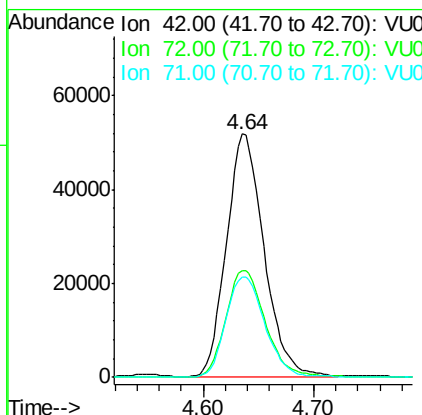
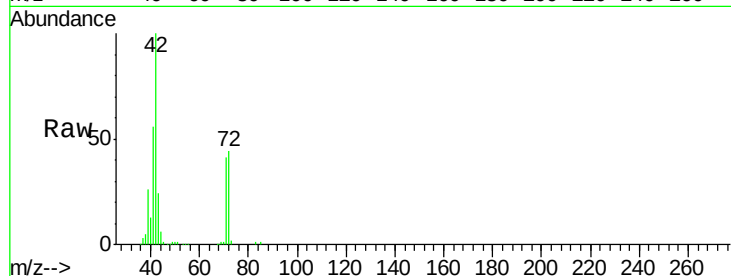
#29
Tetrahydrofuran
Concen: 91.68 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	34.5	51.7
71	42.8	32.2	48.4

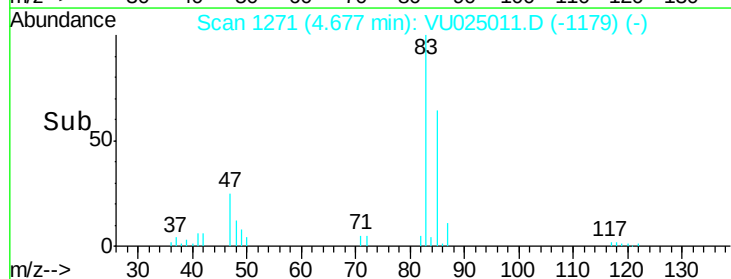
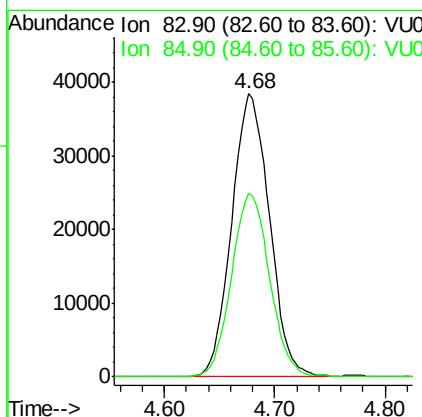
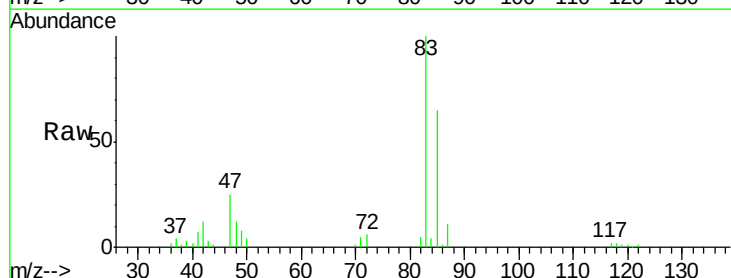
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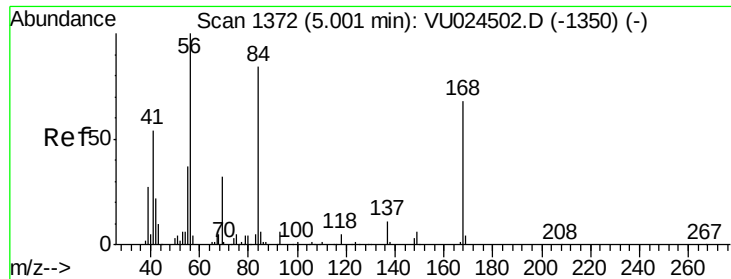
MMDadoda
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#30
Chloroform
Concen: 20.49 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





#31

Cyclohexane

Concen: 19.73 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

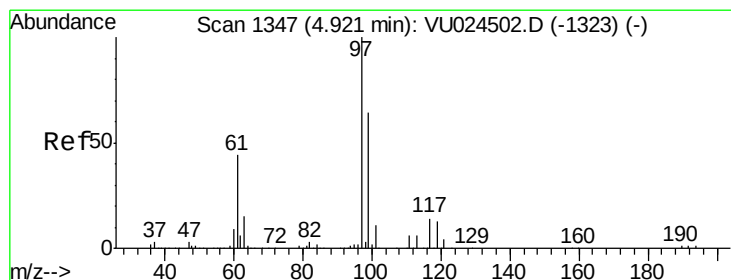
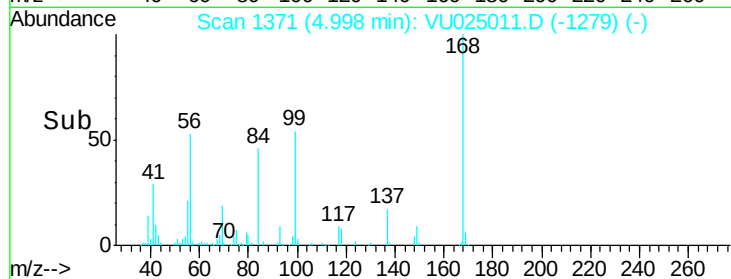
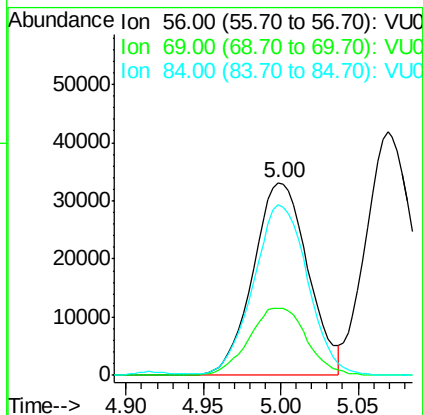
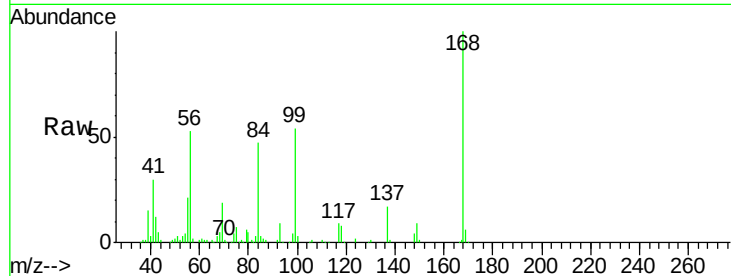
ClientSampleId :

VU0628MBS01

Tot Ion:	56	Resp:	81677
Ion Ratio	Lower	Upper	
56	100		
69	35.0	24.8	37.2
84	87.7	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 20.49 ug/l

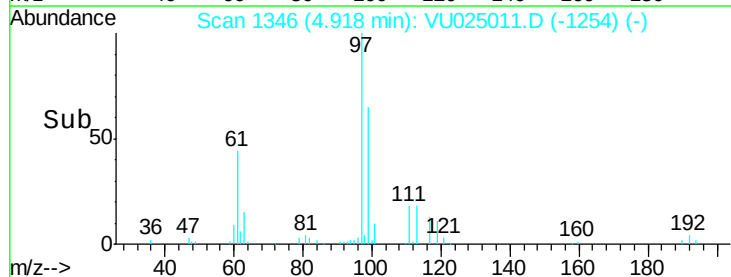
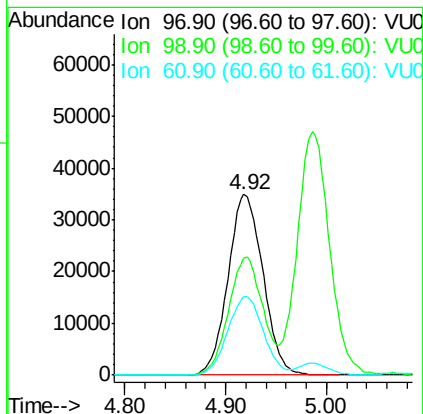
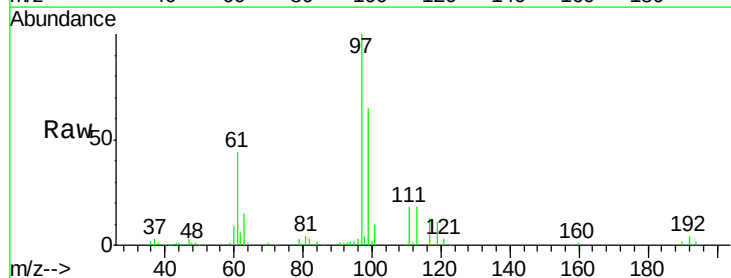
RT: 4.92 min Scan# 1346

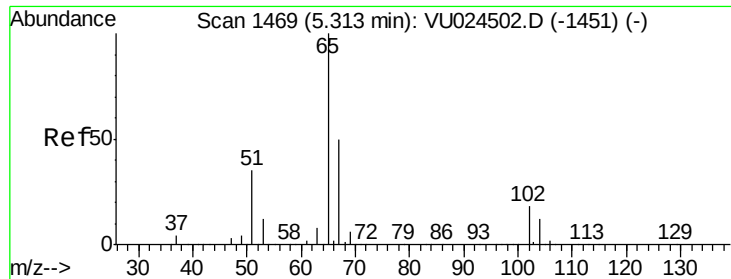
Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	97	Resp:	84301
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.6
61	44.4	39.4	59.0





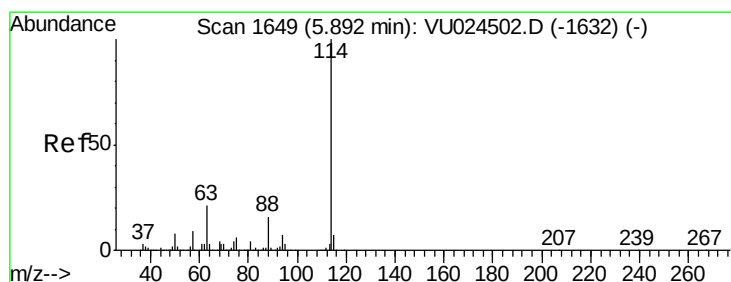
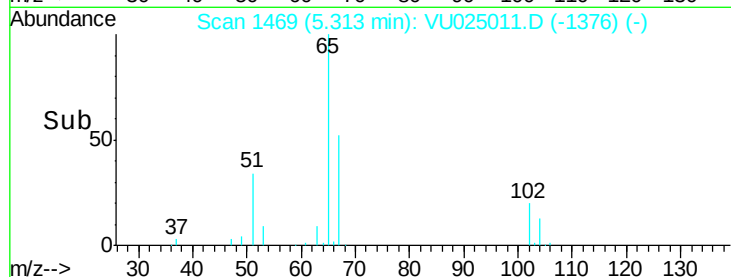
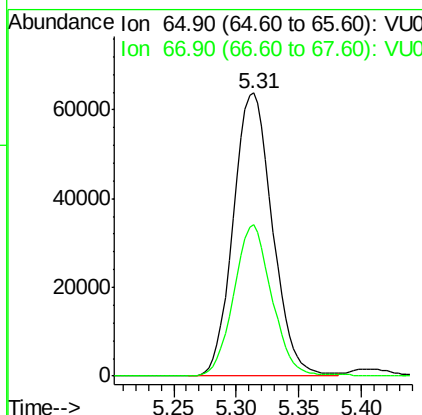
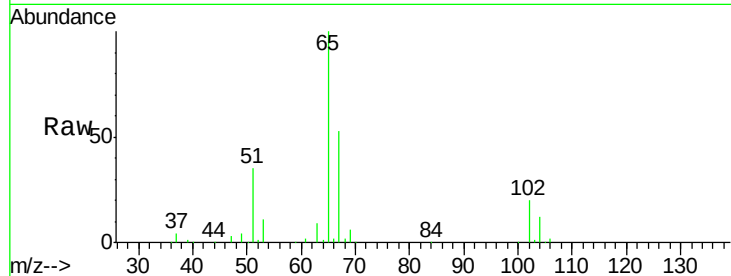
#33
 1,2-Dichloroethane-d4
 Concen: 46.56 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138583		
67	51.7	0.0	107.0	

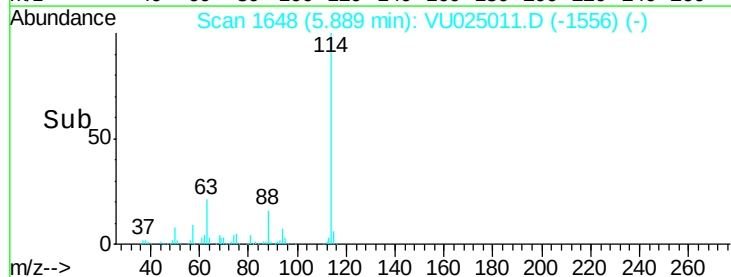
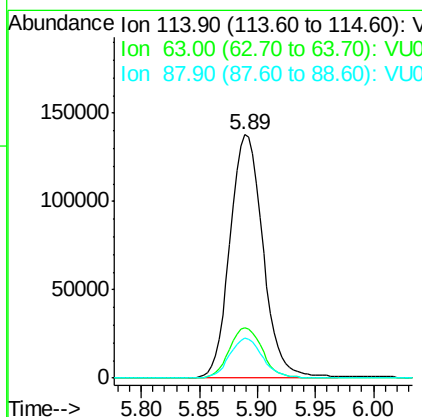
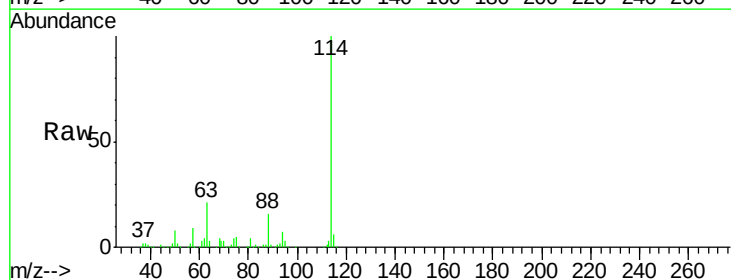
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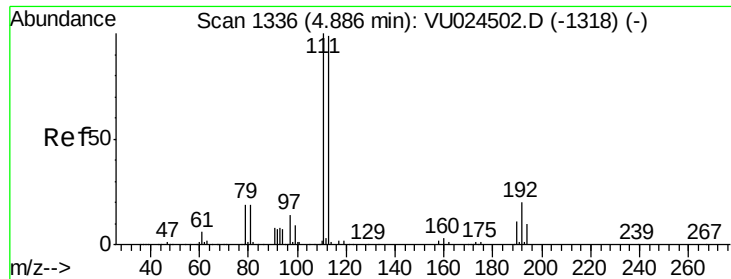
MMDadoda
 6/29/2018 4:23:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	273735		
63	20.6	0.0	45.4	
88	16.2	0.0	31.0	





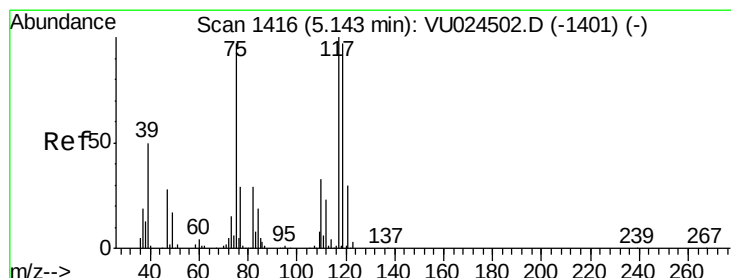
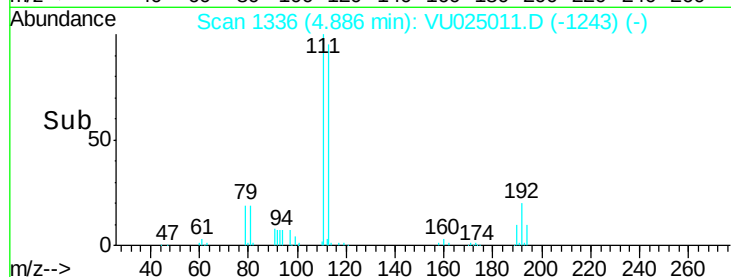
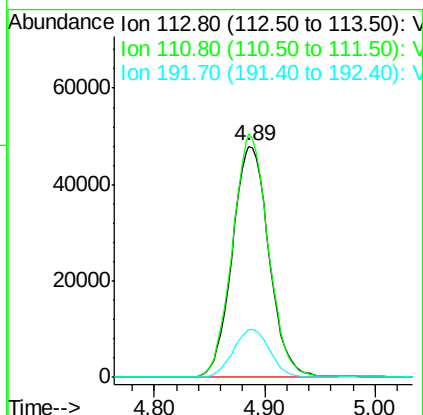
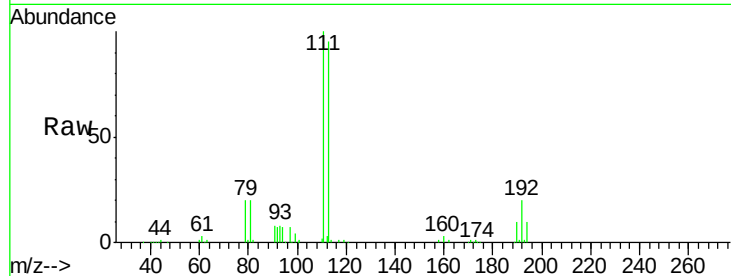
#35
 Dibromofluoromethane
 Concen: 48.66 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110540		
111	102.8	82.2	123.4	
192	20.7	16.2	24.4	

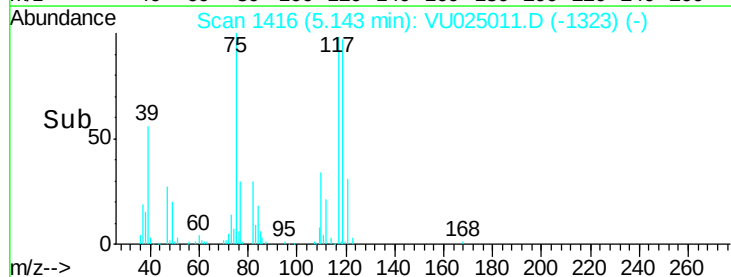
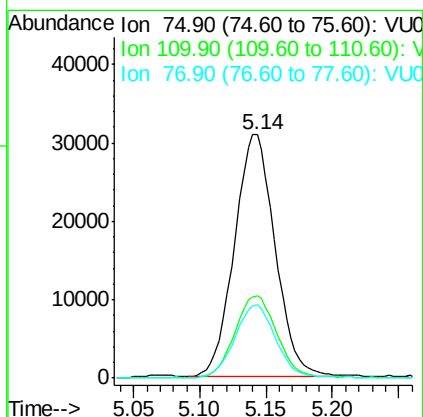
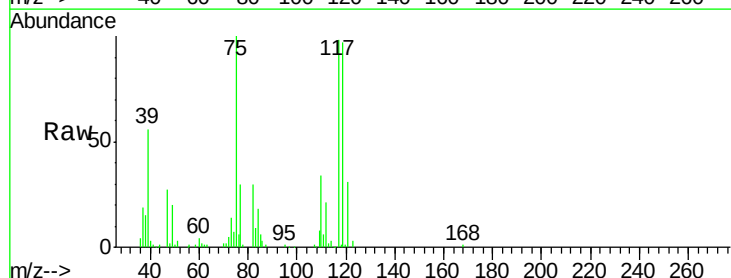
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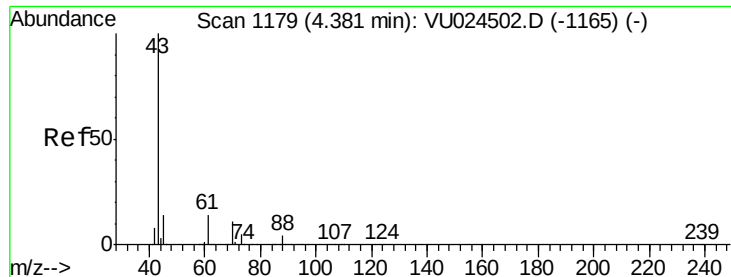
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.53 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66050		
110	35.3	17.0	50.9	
77	30.5	24.2	36.4	





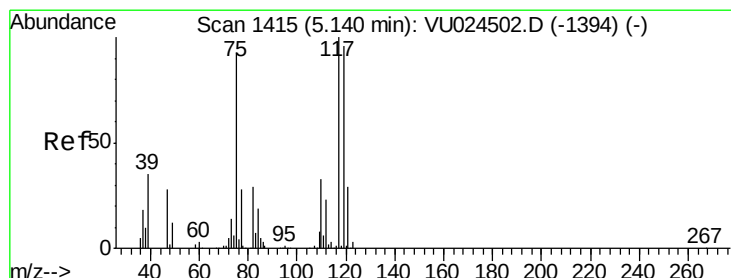
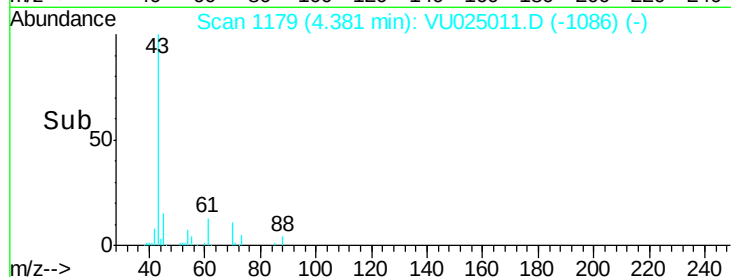
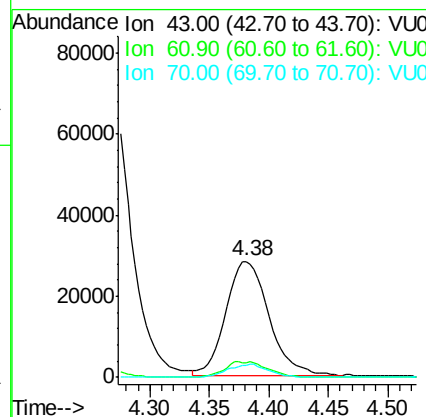
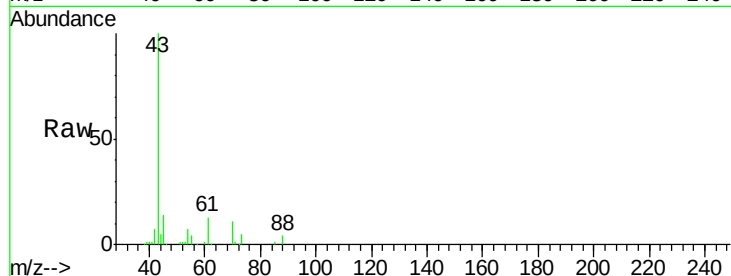
#37
Ethyl Acetate
Concen: 20.14 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	10.8	7.4	11.2

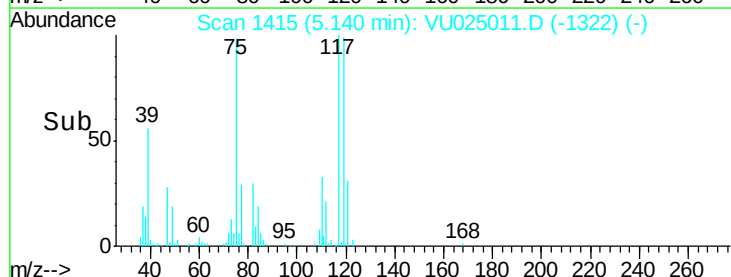
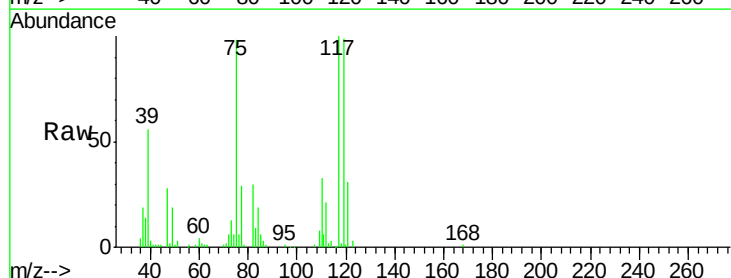
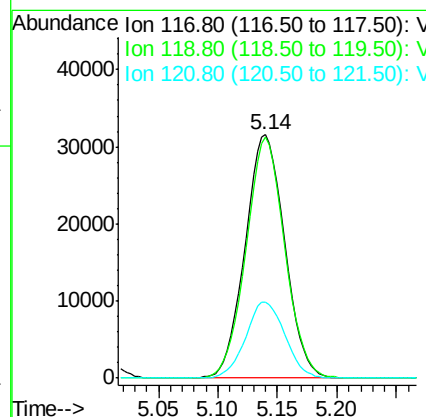
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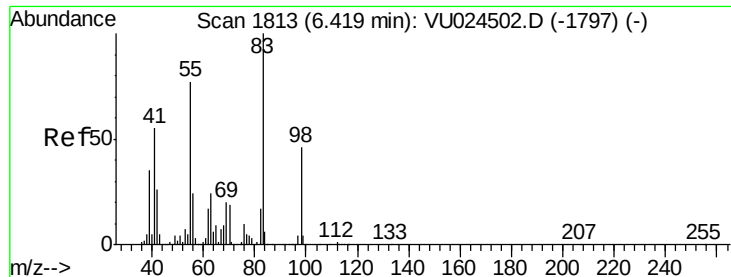
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.55 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.1	114.1
121	31.3	23.7	35.5





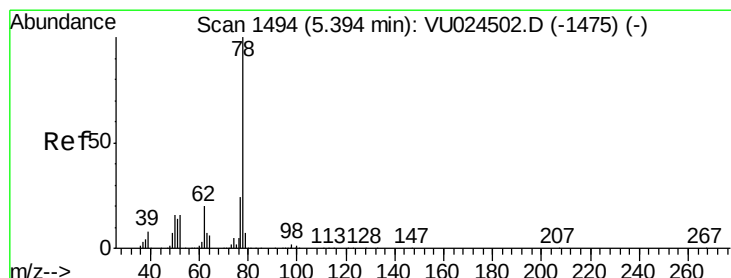
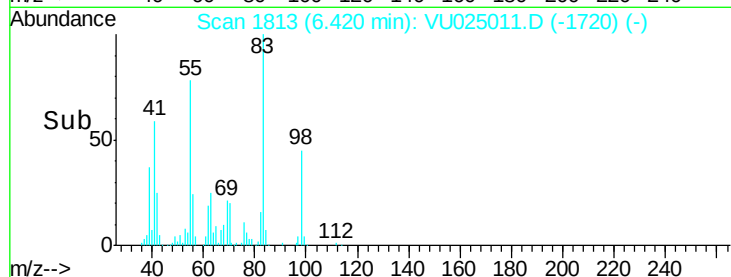
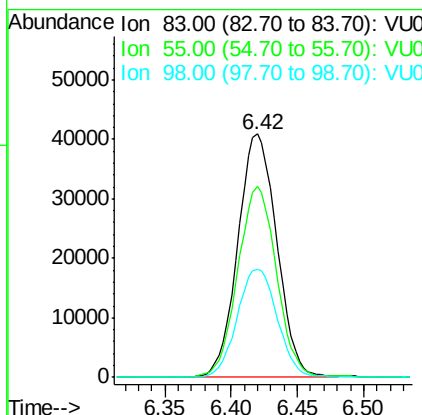
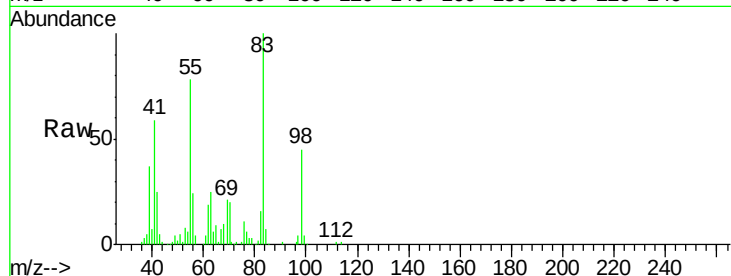
#39
Methylvlcyclohexane
Concen: 20.85 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	65.8	98.6
98	44.5	36.7	55.1

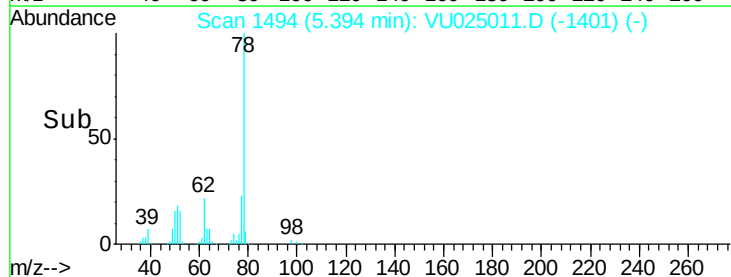
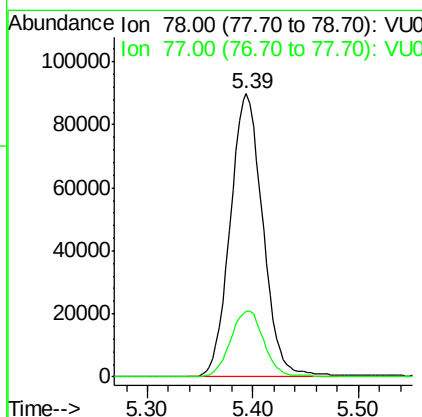
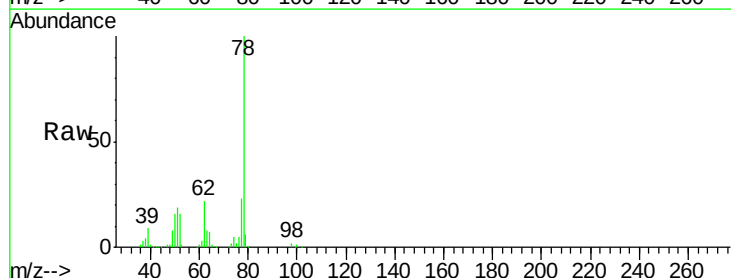
Manual Integrations
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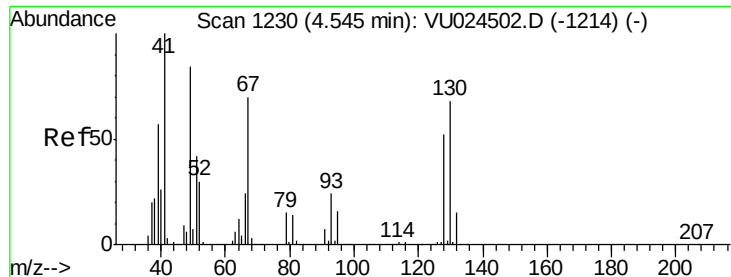
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#40
Benzene
Concen: 21.07 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 21.56 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

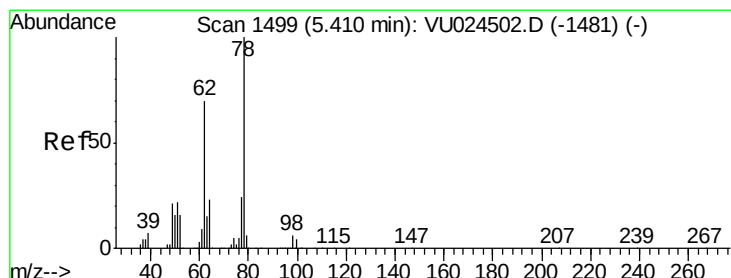
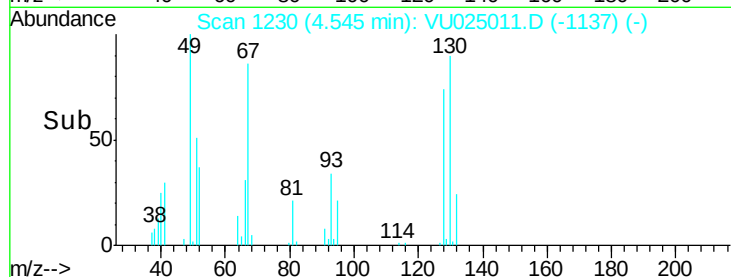
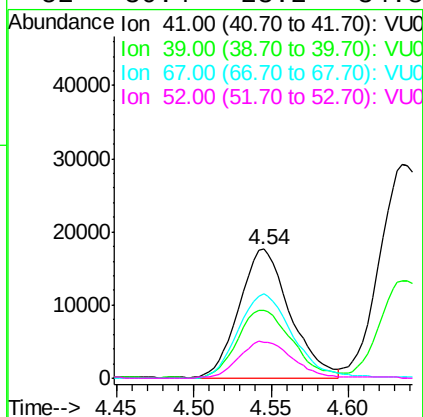
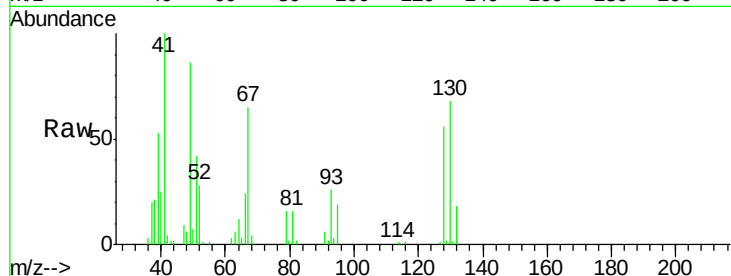
ClientSampleId :

VU0628MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	43.8	65.6	
67	69.5	56.3	84.5	
52	30.4	23.2	34.8	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.33 ug/l

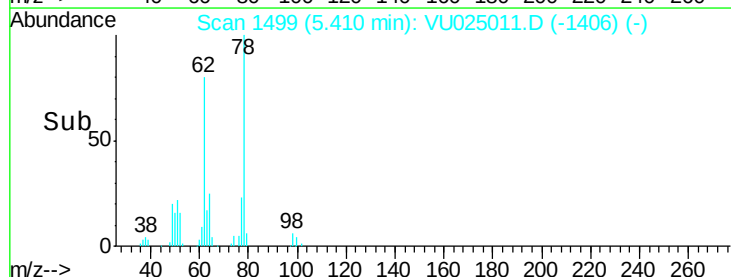
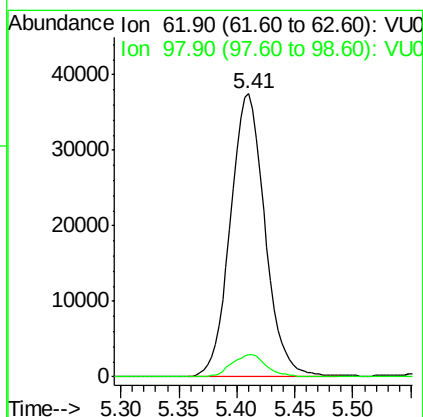
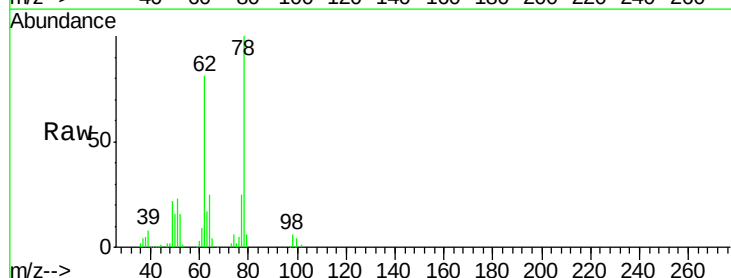
RT: 5.41 min Scan# 1499

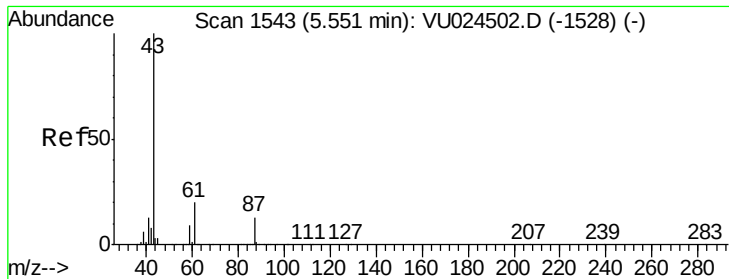
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.6	





#43

Isopropyl Acetate

Concen: 19.30 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

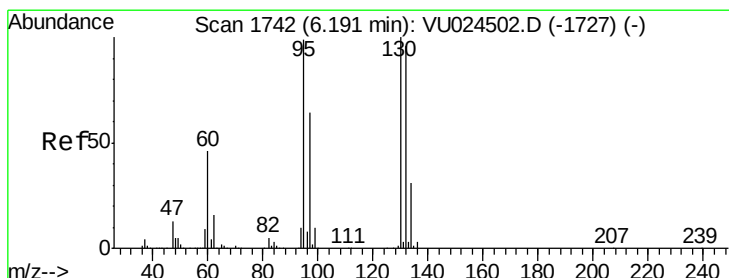
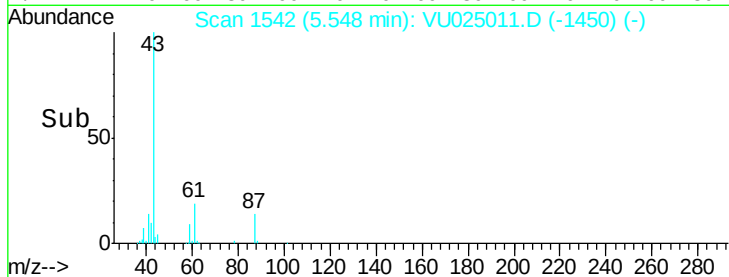
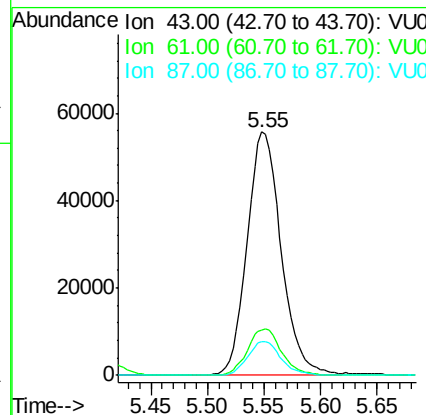
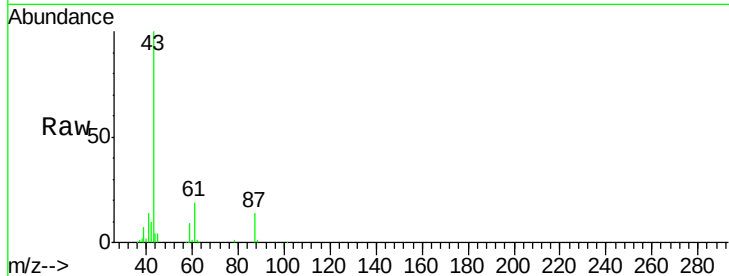
ClientSampleId :

VU0628MBS01

Tot Ion:	43	Resp:	116945
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.6	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.80 ug/l

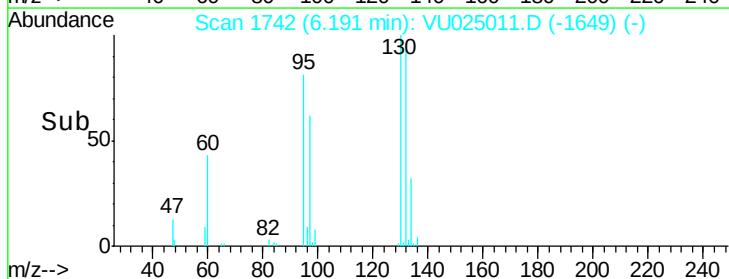
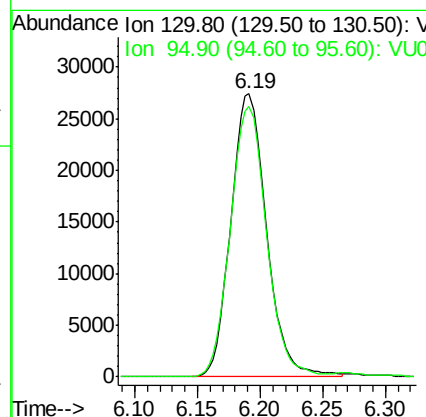
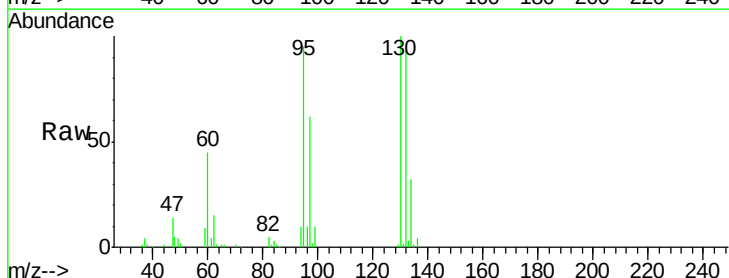
RT: 6.19 min Scan# 1742

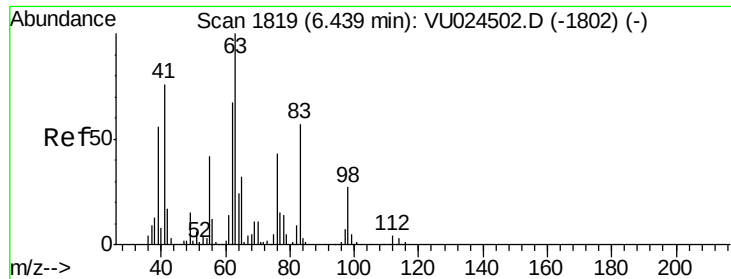
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	130	Resp:	54260
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	202.4





#45

1,2-Dichloropropane

Concen: 20.46 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 63 Resp: 50041

Ion Ratio Lower Upper

63 100

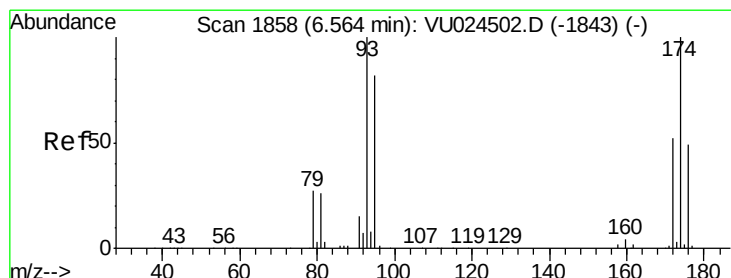
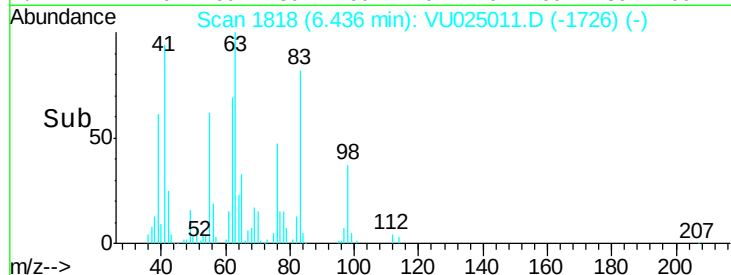
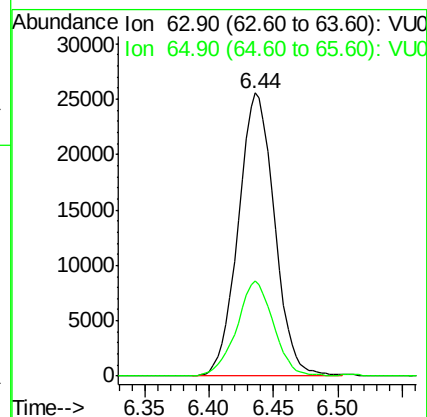
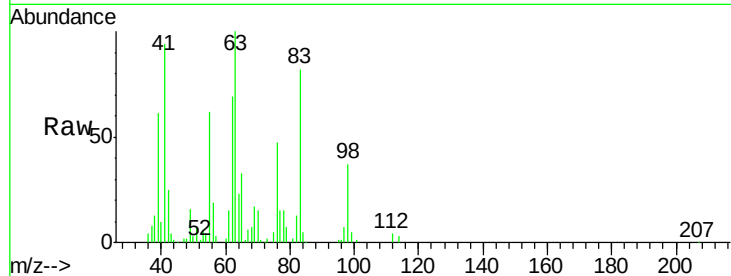
65 33.4 24.8 37.2

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#46

Dibromomethane

Concen: 20.78 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

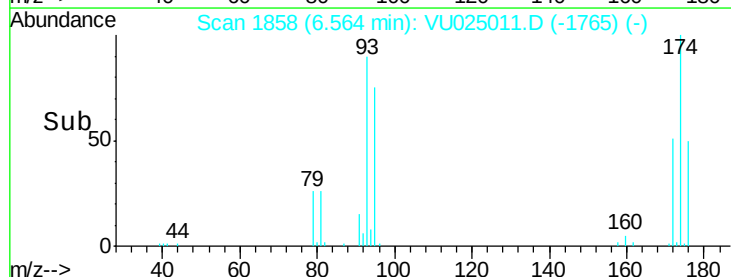
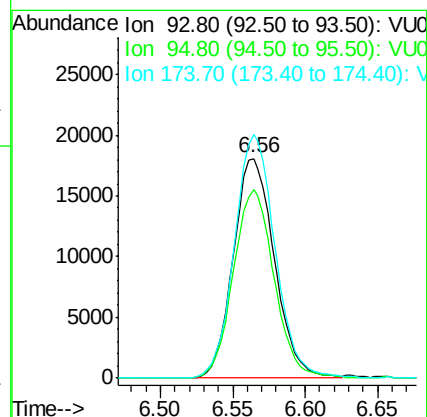
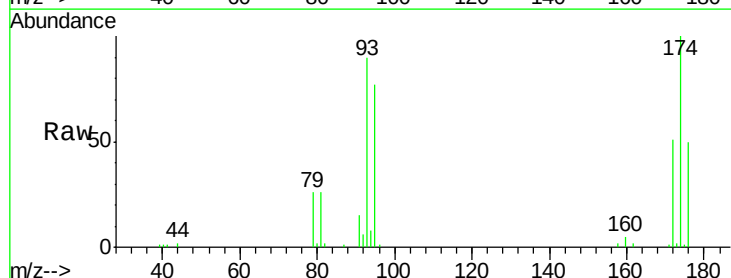
Tgt Ion: 93 Resp: 35704

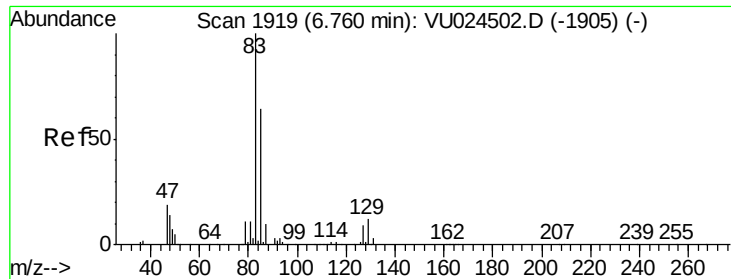
Ion Ratio Lower Upper

93 100

95 84.8 65.5 98.3

174 109.4 78.7 118.1





#47

Bromodichloromethane

Concen: 20.02 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

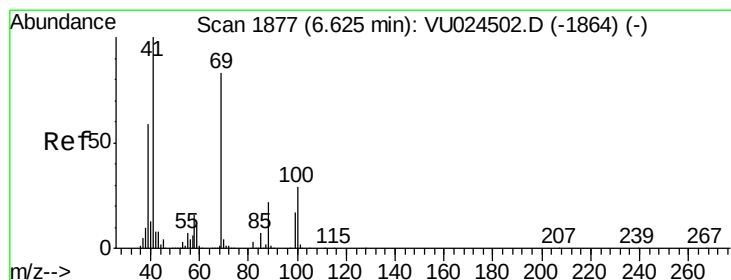
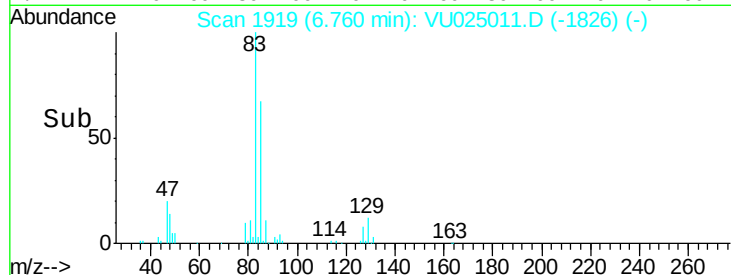
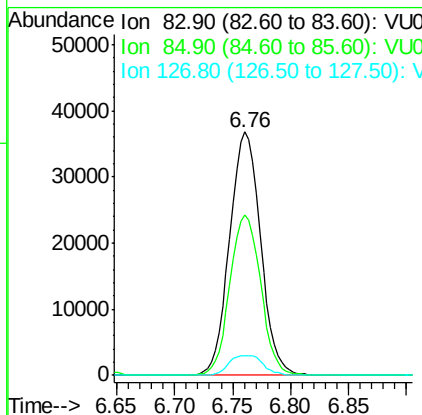
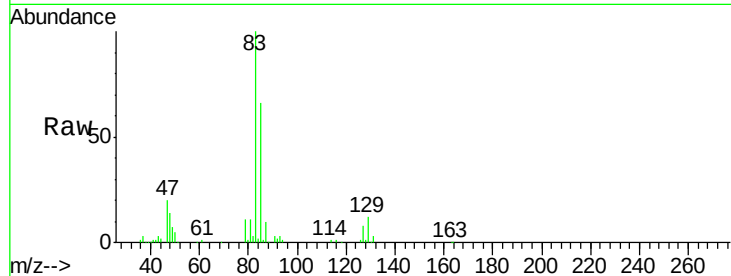
ClientSampleId :

VU0628MBS01

Tot Ion:	83	Resp:	68465
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9
127	8.2	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.33 ug/l

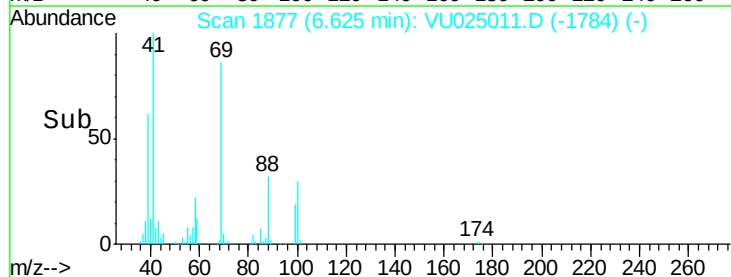
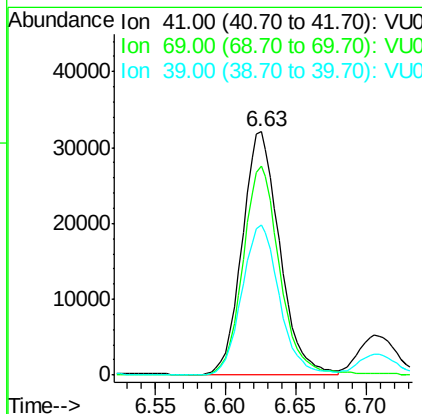
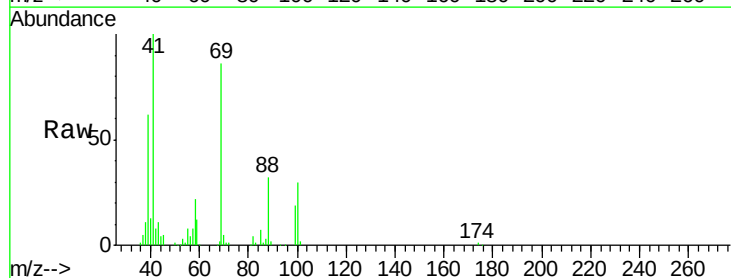
RT: 6.63 min Scan# 1877

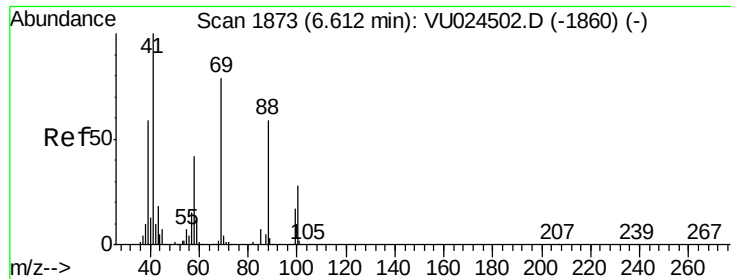
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	41	Resp:	59984
Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.3	100.9
39	61.6	46.5	69.7





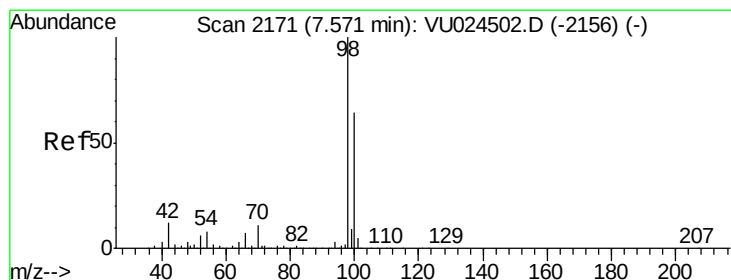
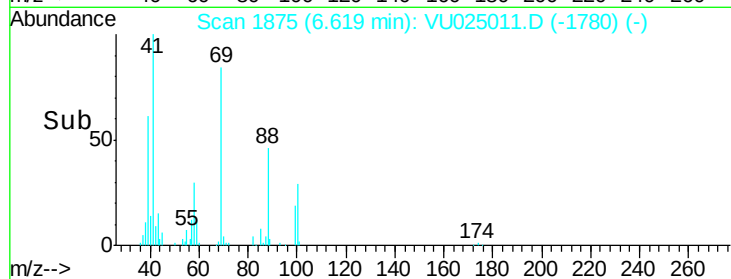
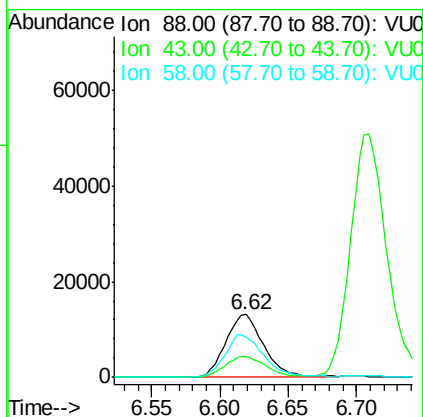
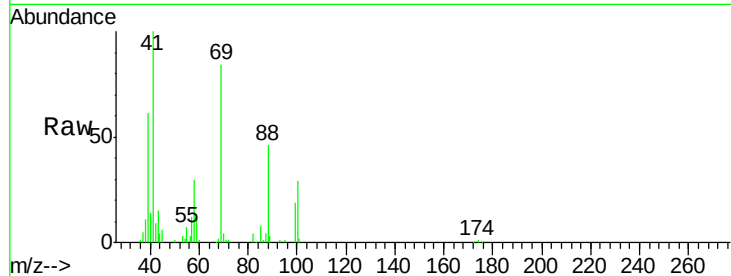
#49
1,4-Dioxane
Concen: 441.65 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	28.6	42.8
58	69.6	58.2	87.4

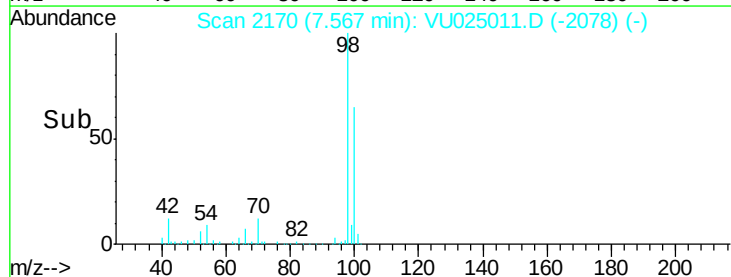
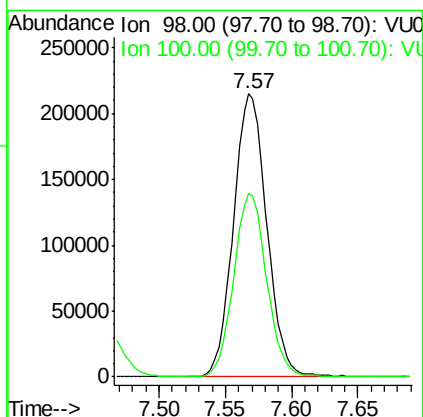
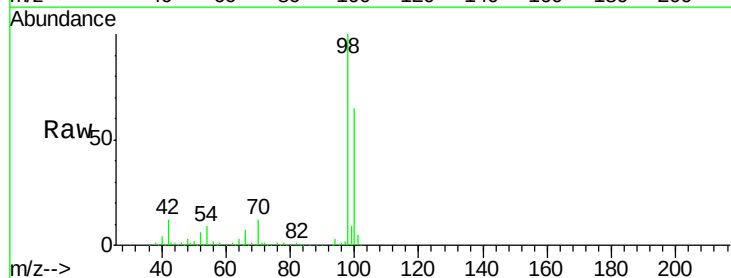
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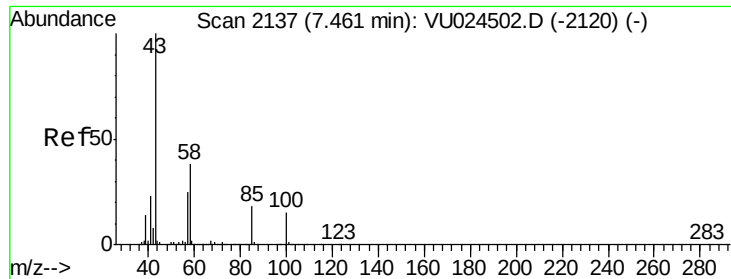
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#50
Toluene-d8
Concen: 45.24 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 98.82 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 43 Resp: 376212

Ion Ratio Lower Upper

43 100

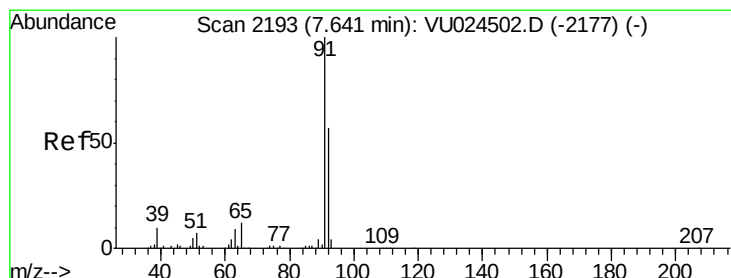
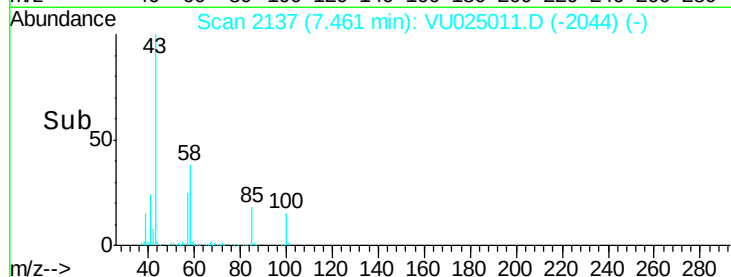
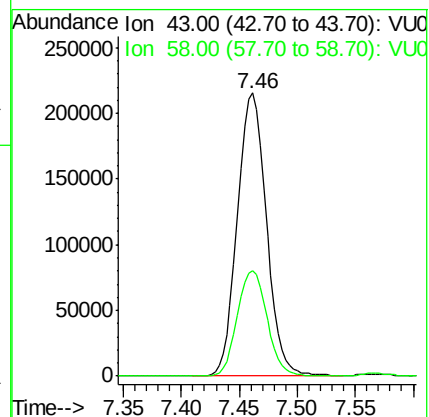
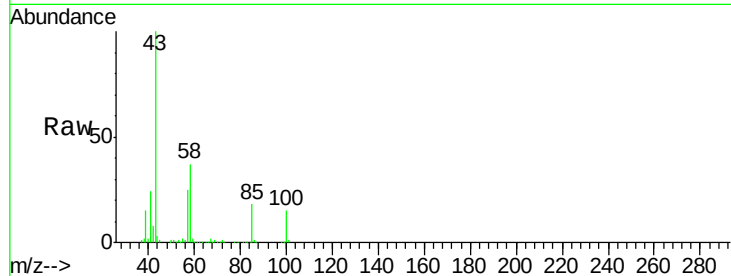
58 38.1 30.0 45.0

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#52

Toluene

Concen: 21.06 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025011.D

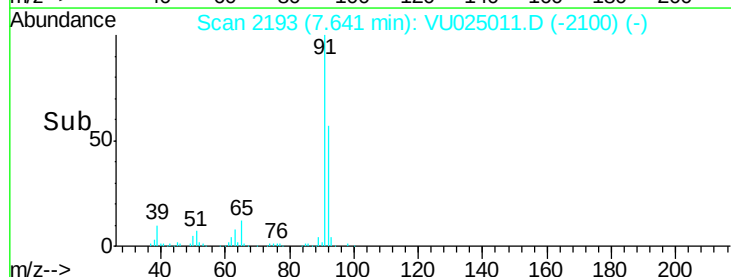
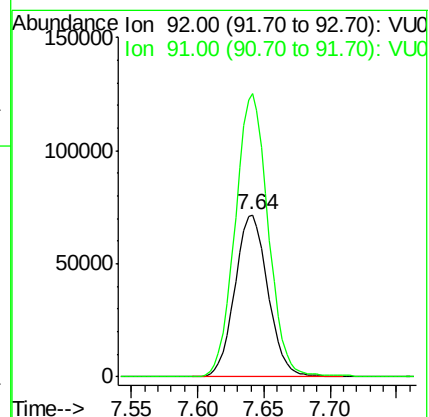
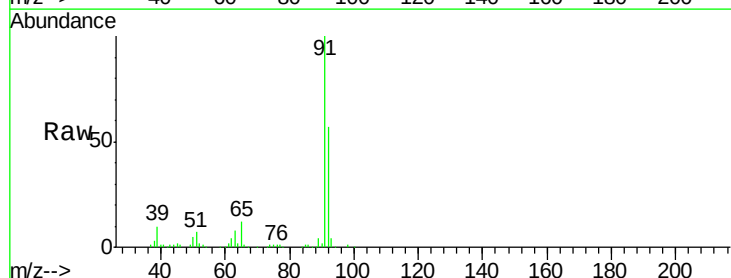
Acq: 28 Jun 2018 11:24

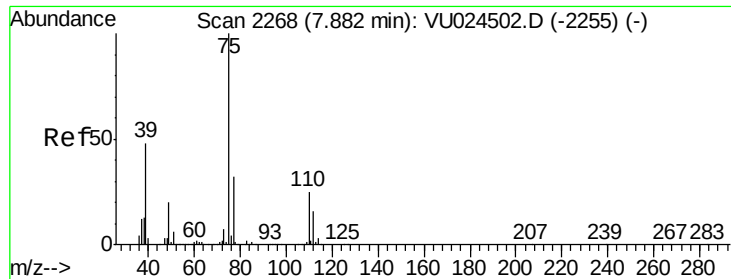
Tgt Ion: 92 Resp: 124211

Ion Ratio Lower Upper

92 100

91 174.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 75 Resp: 74840

Ion Ratio Lower Upper

75 100

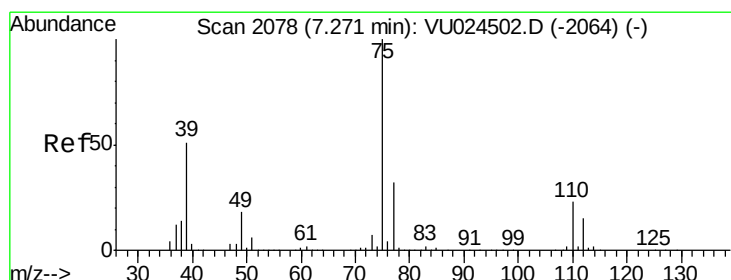
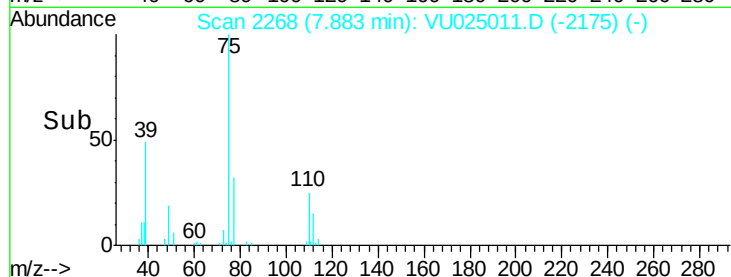
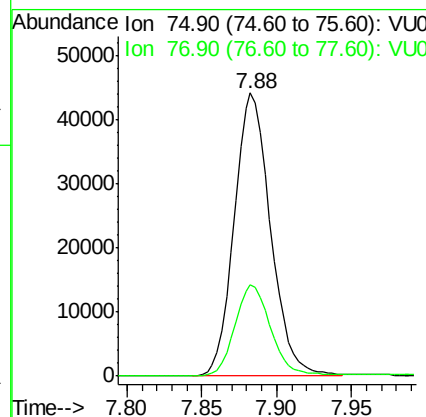
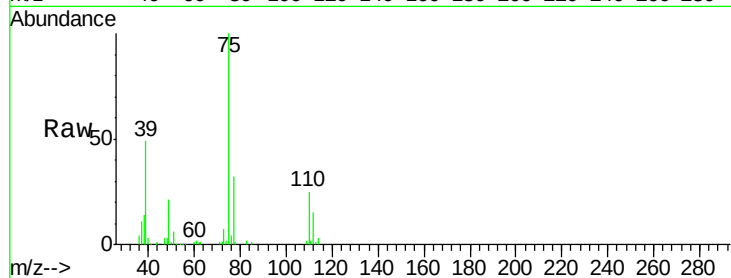
77 32.1 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

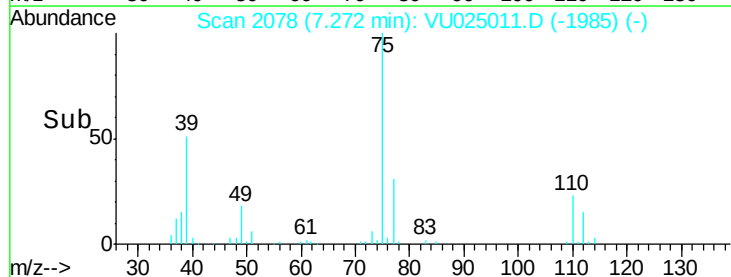
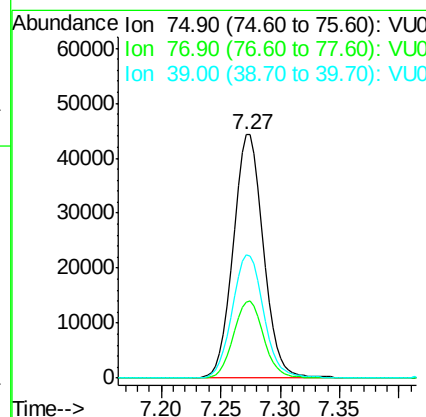
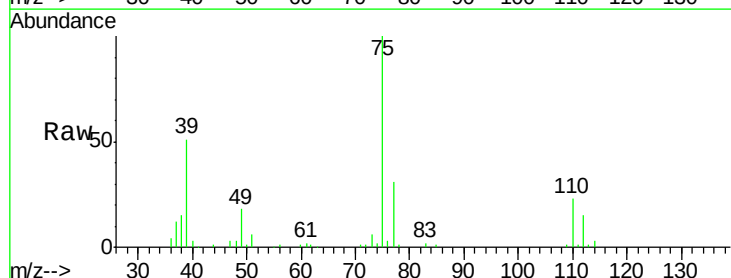
Tgt Ion: 75 Resp: 78275

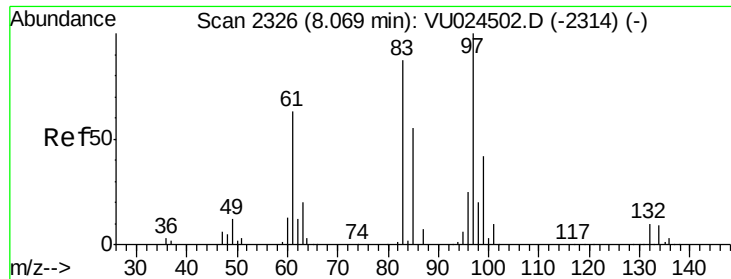
Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 50.6 39.8 59.6





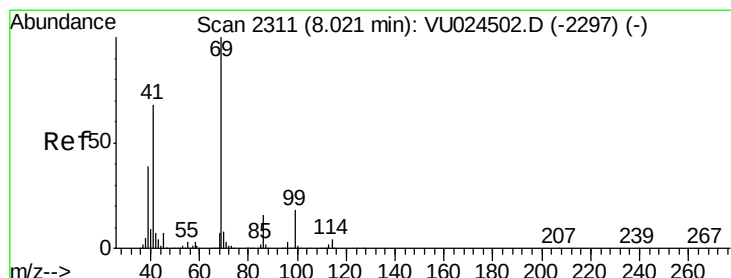
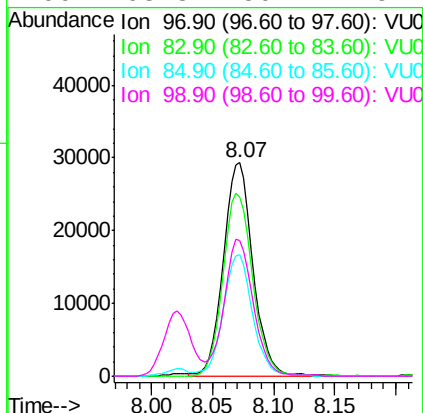
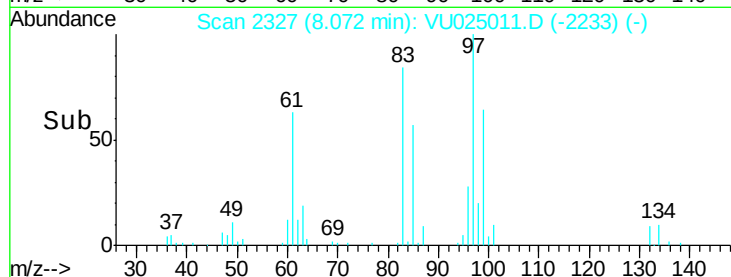
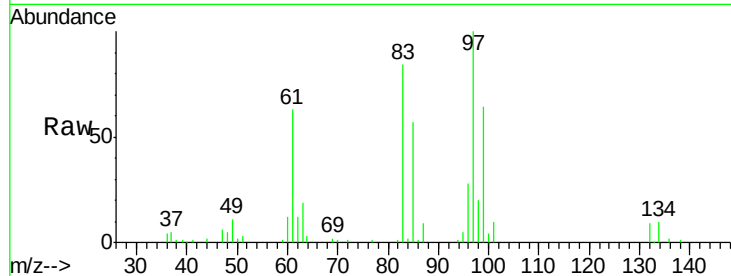
#55
 1,1,2-Trichloroethane
 Concen: 20.87 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion:	97	Resp:	50017
Ion	Ratio	Lower	Upper
97	100		
83	84.1	70.5	105.7
85	57.1	46.4	69.6
99	63.8	50.2	75.2

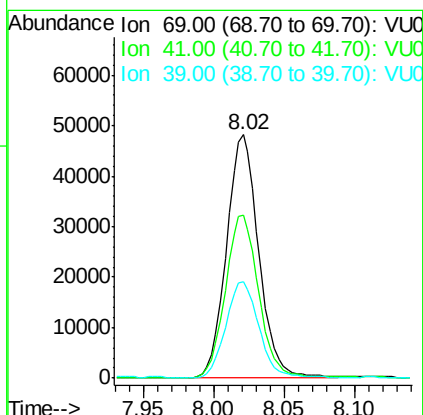
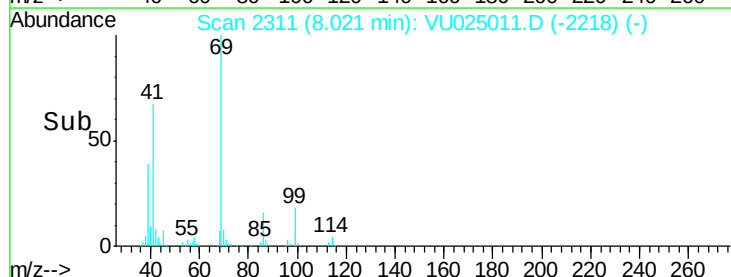
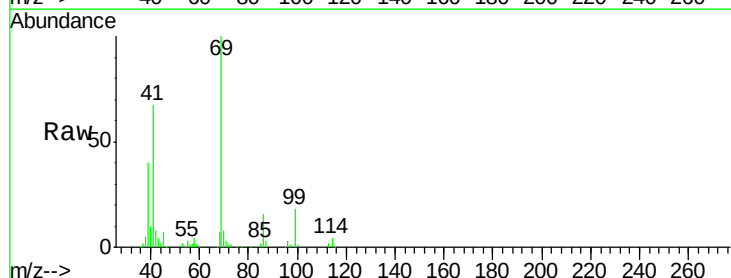
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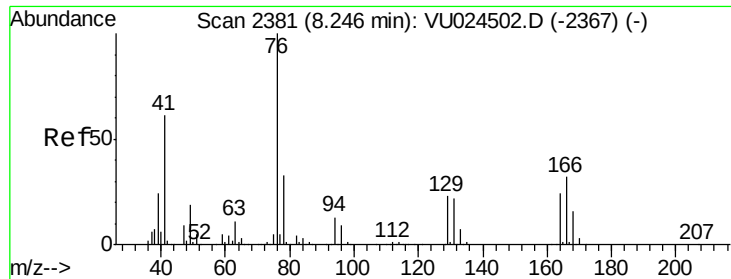
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#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion:	69	Resp:	76915
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	41.0	30.3	45.5





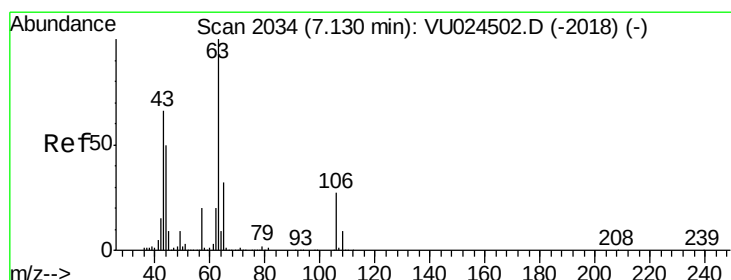
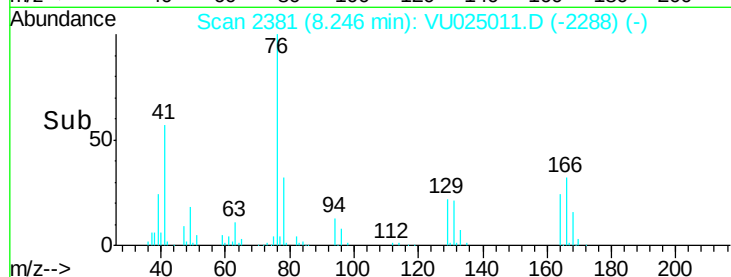
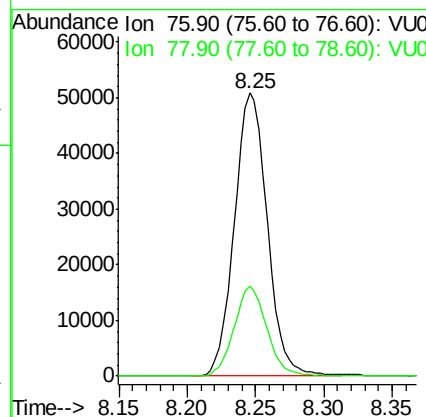
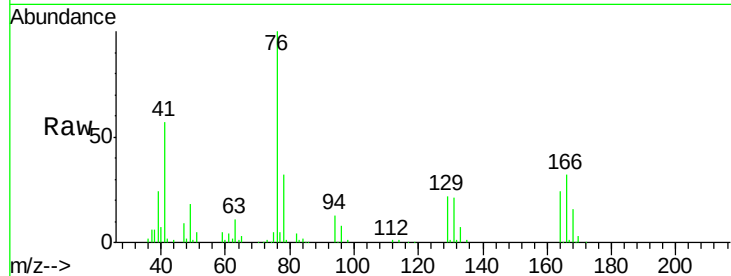
#57
 1,3-Dichloropropane
 Concen: 21.07 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion: 76 Resp: 85185
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

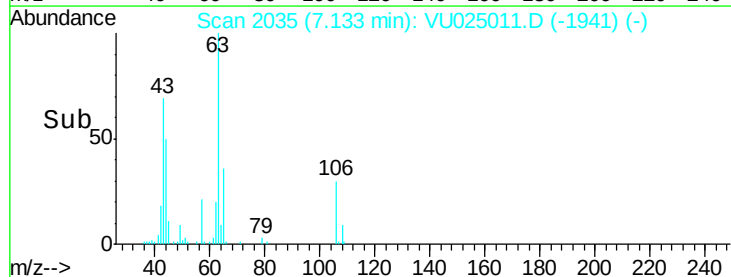
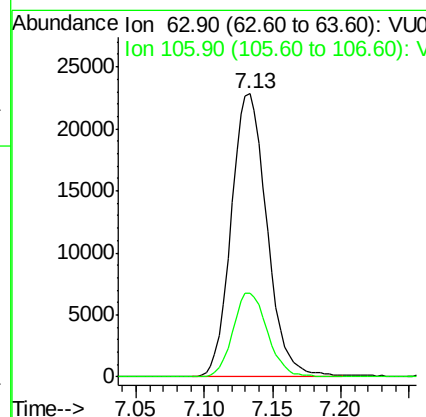
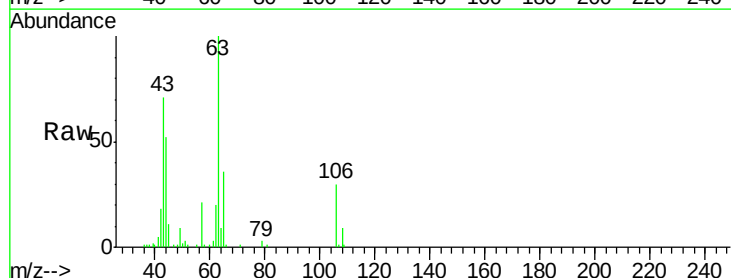
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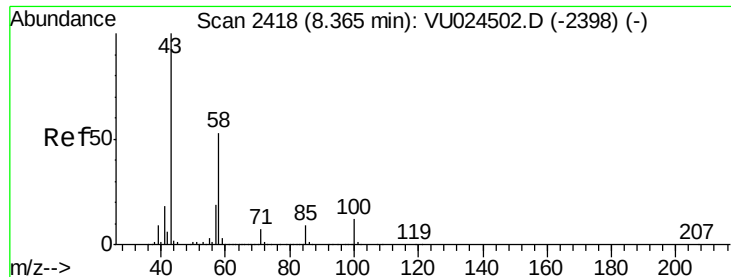
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.00 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion: 63 Resp: 41504
 Ion Ratio Lower Upper
 63 100
 106 28.7 20.2 30.2





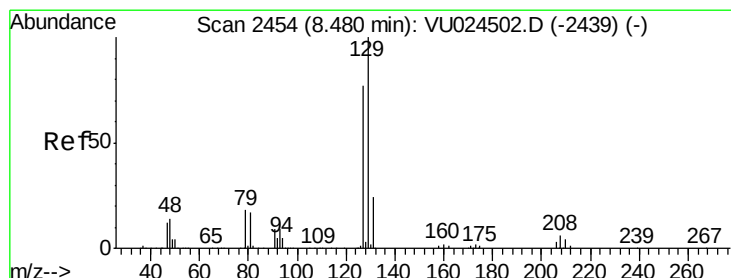
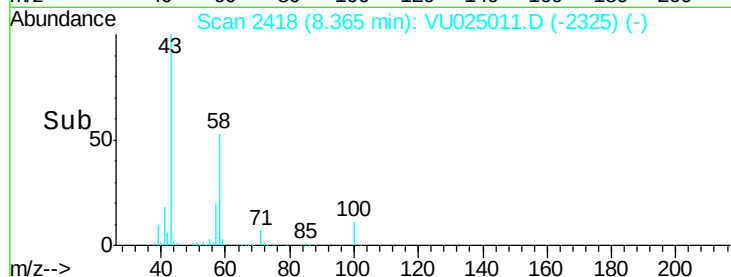
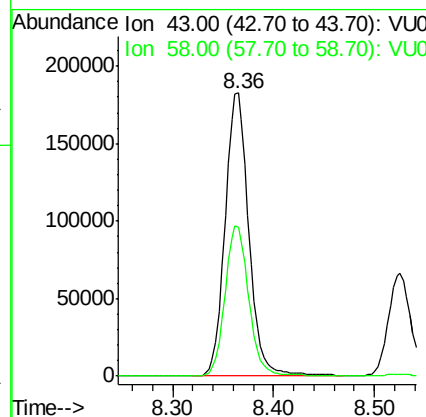
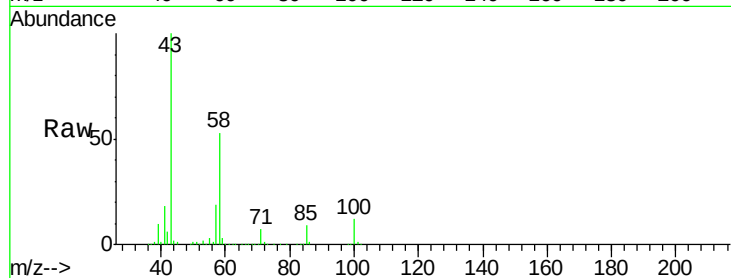
#59
2-Hexanone
Concen: 97.14 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.4	79.0

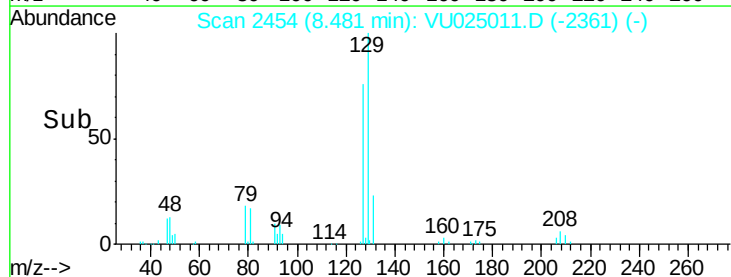
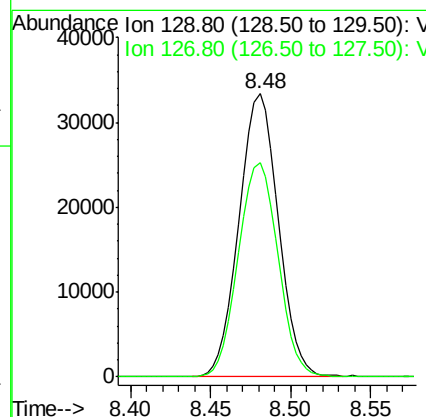
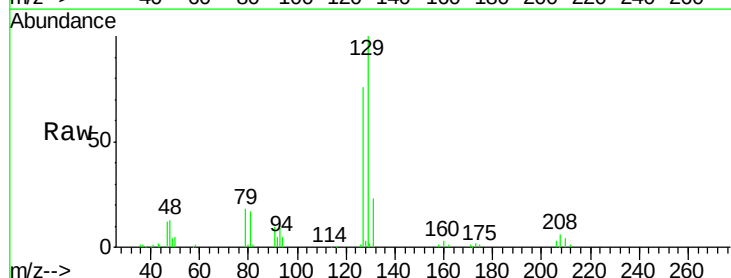
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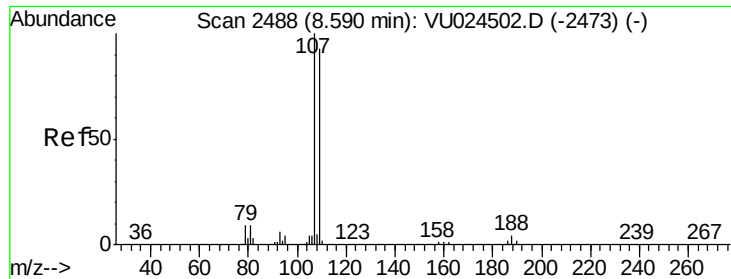
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#60
Dibromochloromethane
Concen: 18.75 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	116.0





#61

1,2-Dibromoethane

Concen: 20.22 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion:107 Resp: 53932

Ion Ratio Lower Upper

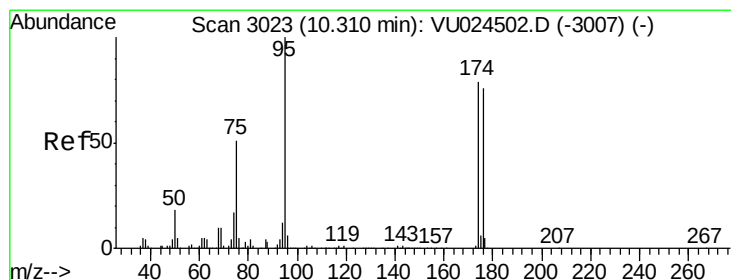
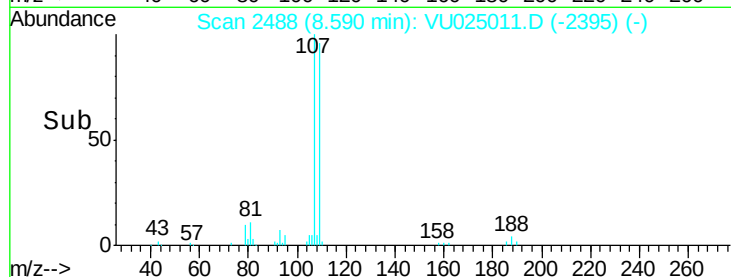
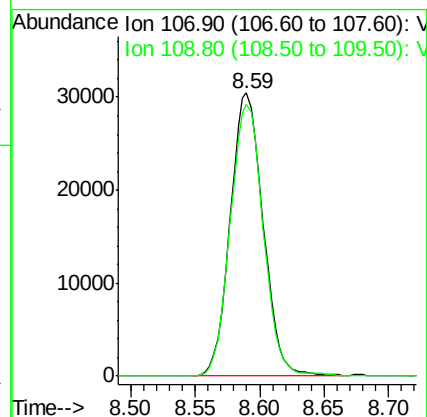
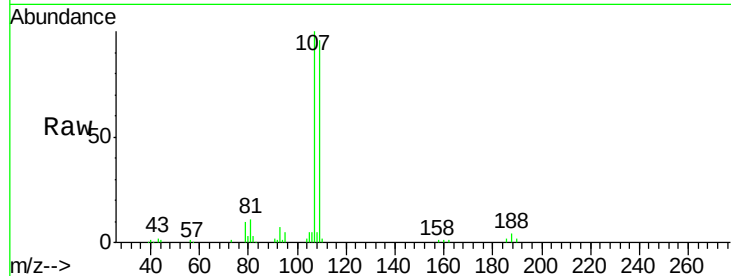
107 100

109 95.8 74.5 111.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.75 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

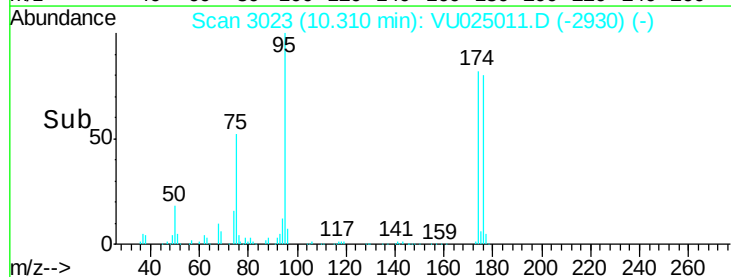
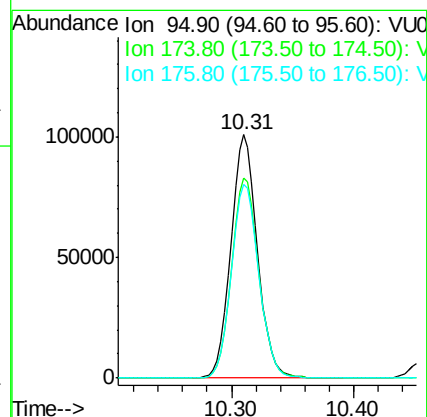
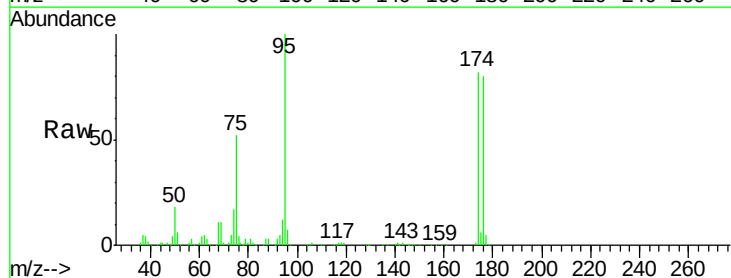
Tgt Ion: 95 Resp: 153807

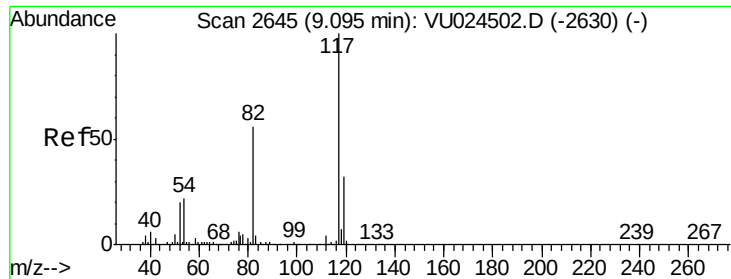
Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.8

176 82.3 0.0 159.4





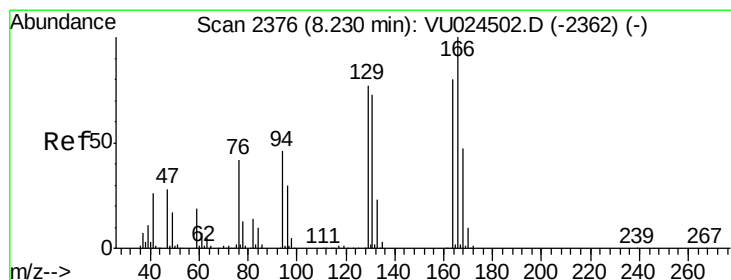
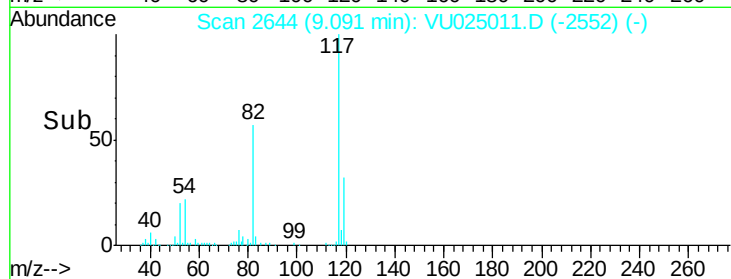
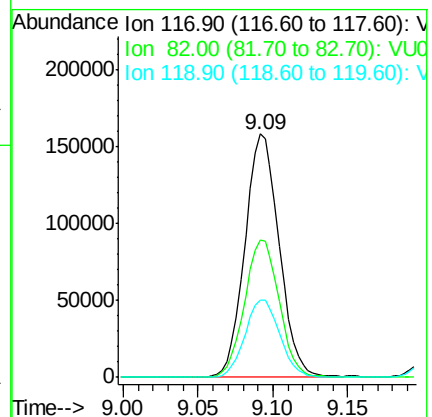
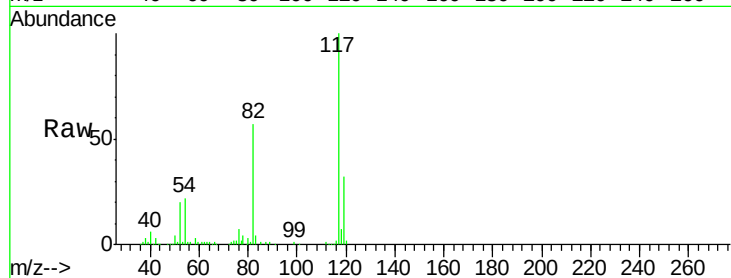
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252170		
82	56.6		44.3	66.5
119	31.8		25.4	38.2

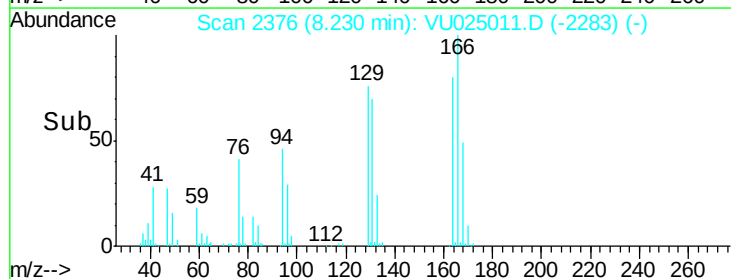
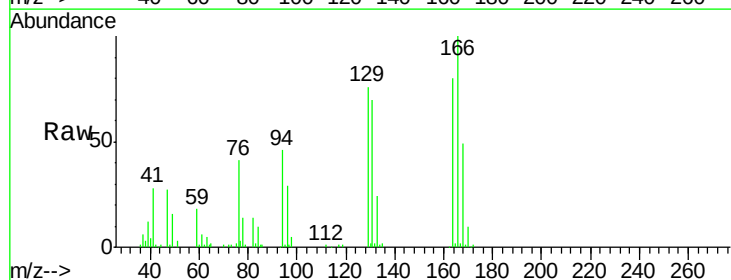
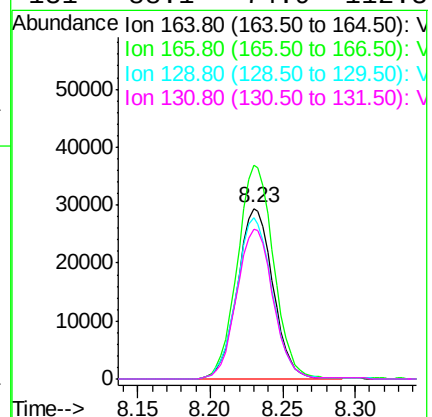
Manual Integrations
APPROVED

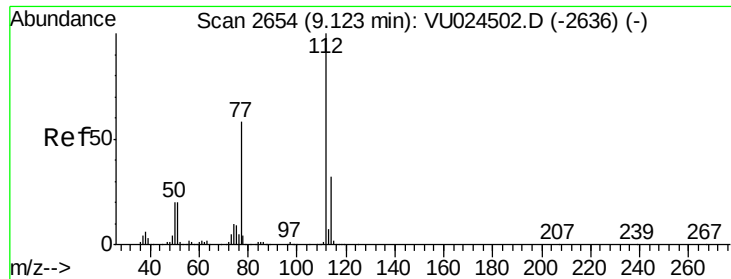
MMDadoda
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#64
Tetrachloroethene
Concen: 20.97 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50276		
166	125.4		101.7	152.5
129	94.8		76.9	115.3
131	88.1		74.9	112.3





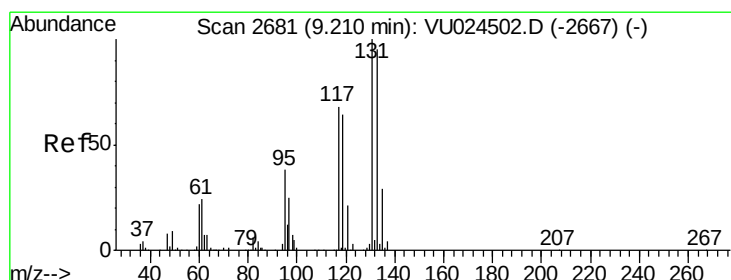
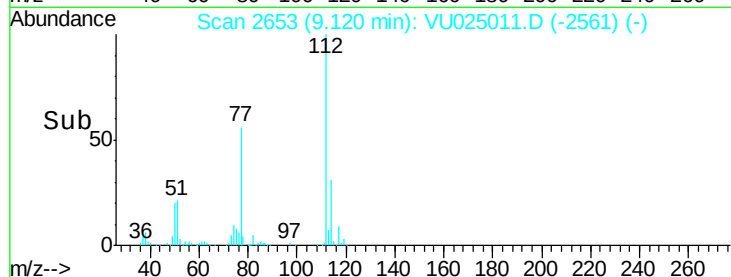
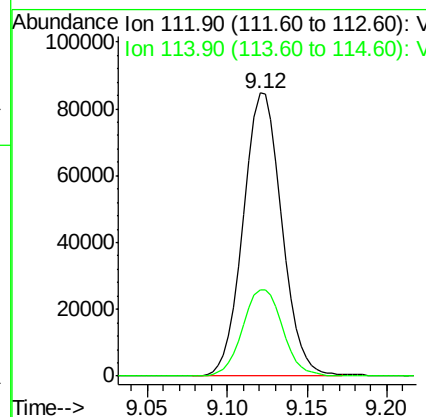
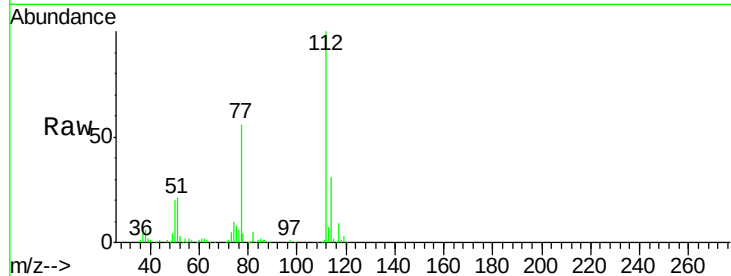
#65
Chlorobenzene
Concen: 21.64 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.6	38.4

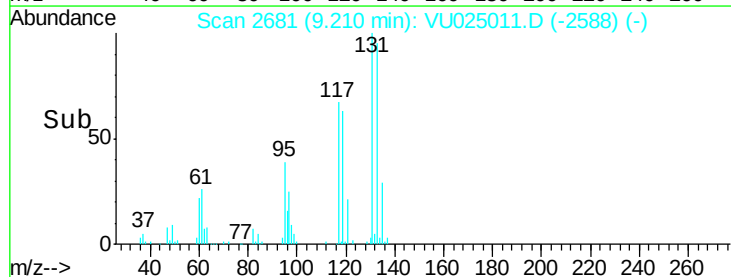
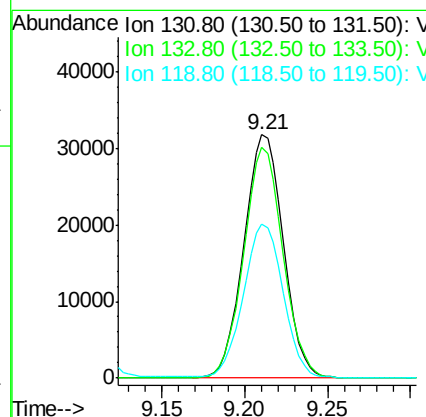
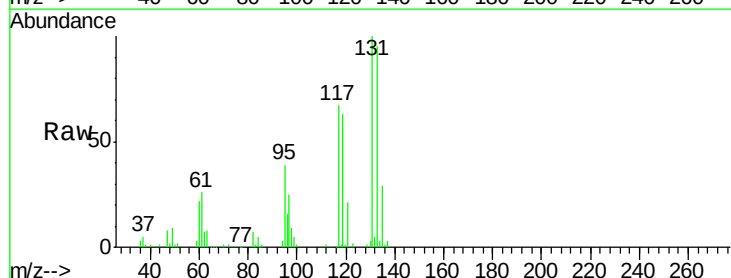
Manual Integrations
APPROVED

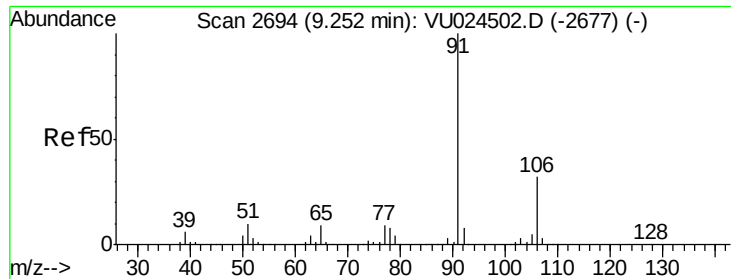
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.50 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	46.9	140.8
119	64.1	33.5	100.4





#67

Ethyl Benzene

Concen: 21.56 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 91 Resp: 243463

Ion Ratio Lower Upper

91 100

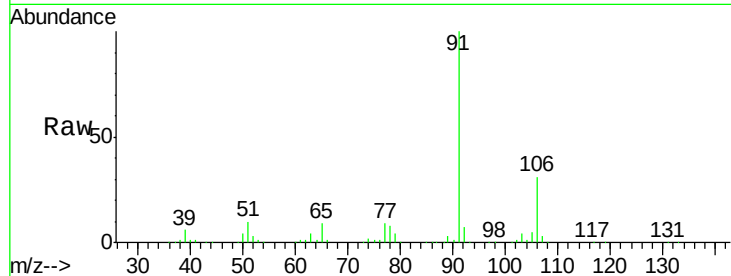
106 30.7 24.2 36.4

Manual Integrations

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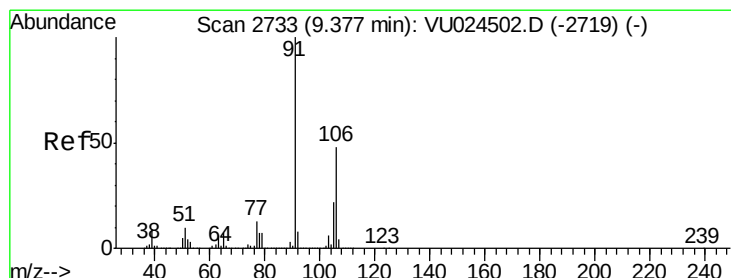
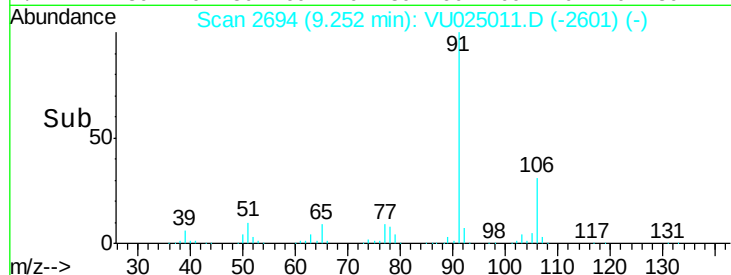
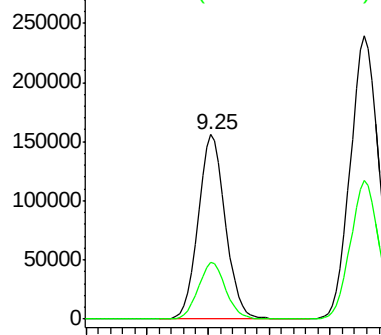
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 44.14 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025011.D

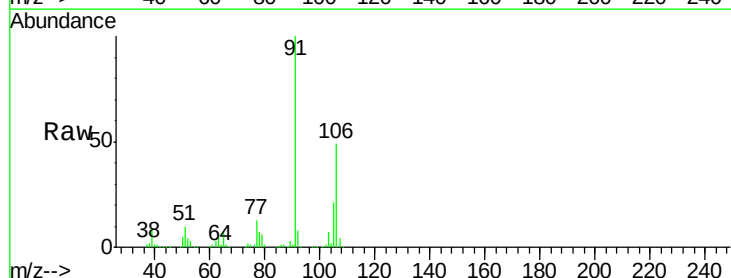
Acq: 28 Jun 2018 11:24

Tgt Ion: 106 Resp: 191409

Ion Ratio Lower Upper

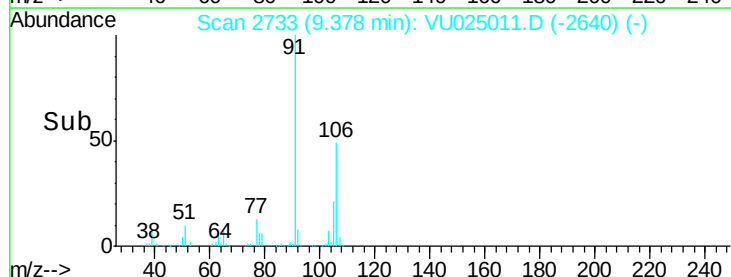
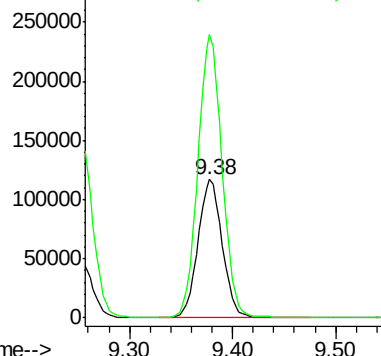
106 100

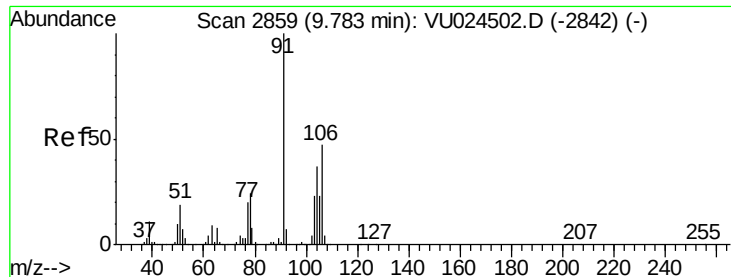
91 202.5 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





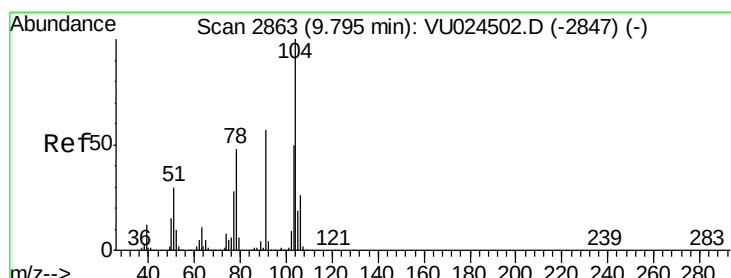
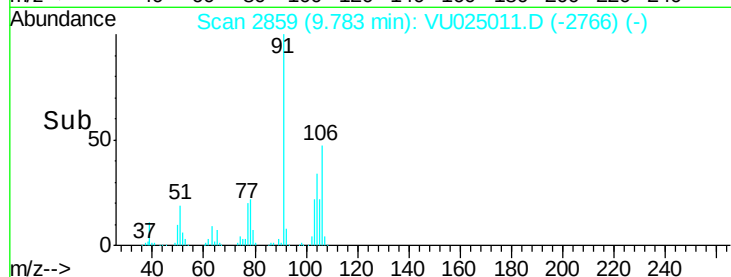
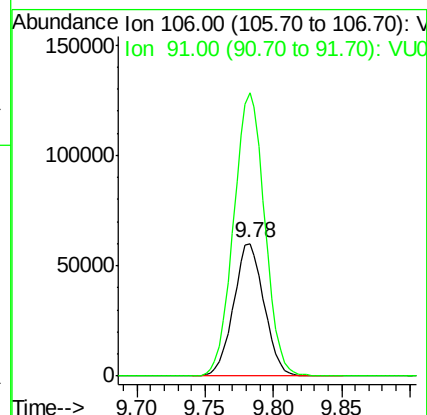
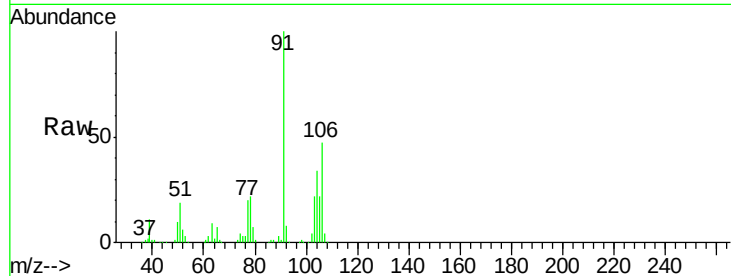
#69
o-Xylene
Concen: 21.78 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampled :
VU0628MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.3	110.7	331.9	

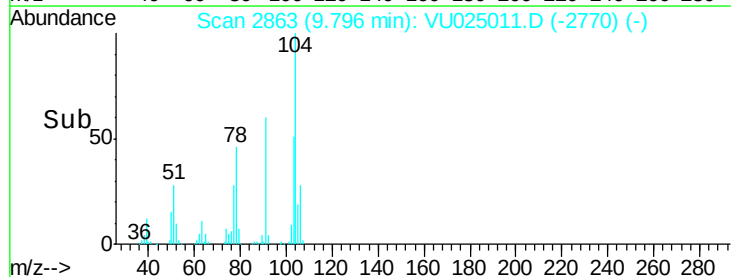
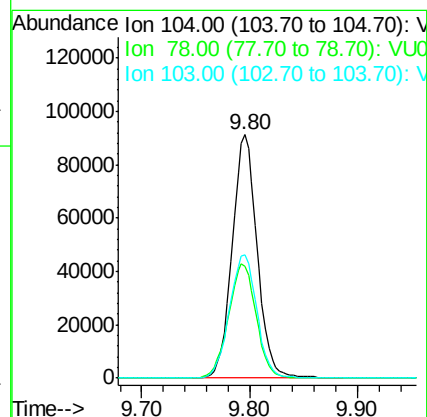
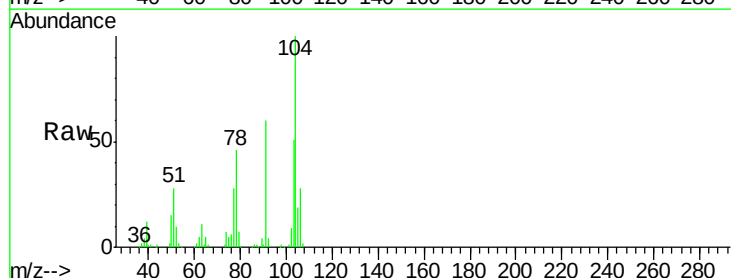
Manual Integrations
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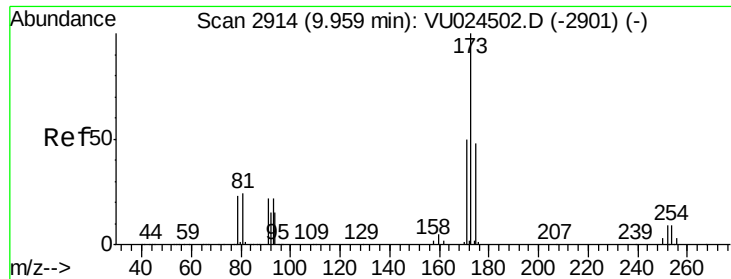
MMDadoda
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#70
Styrene
Concen: 20.93 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.8	40.6	60.8	
103	55.7	44.7	67.1	





#71

Bromoform

Concen: 18.32 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

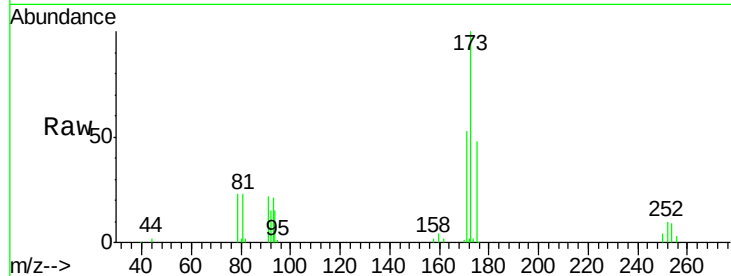
ClientSampleId :

VU0628MBS01

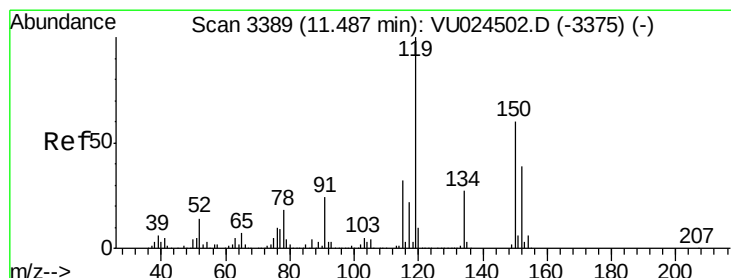
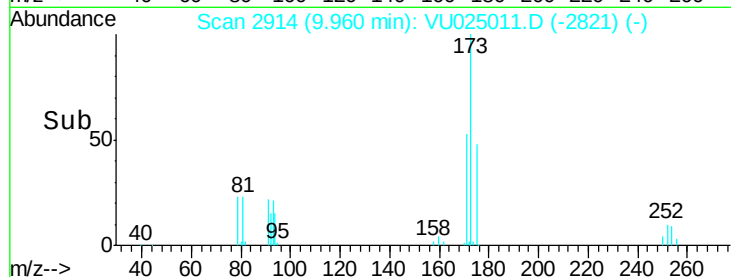
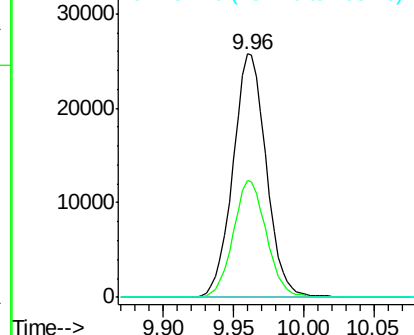
Tot Ion:	173	Resp:	42614
Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

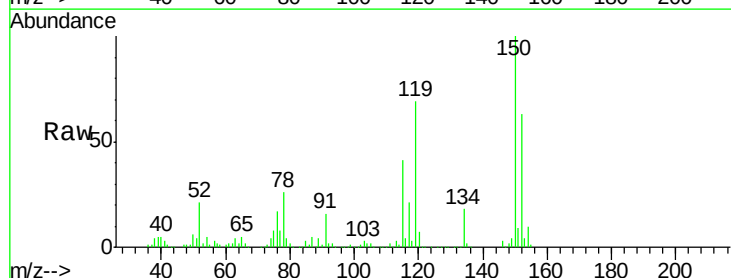
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

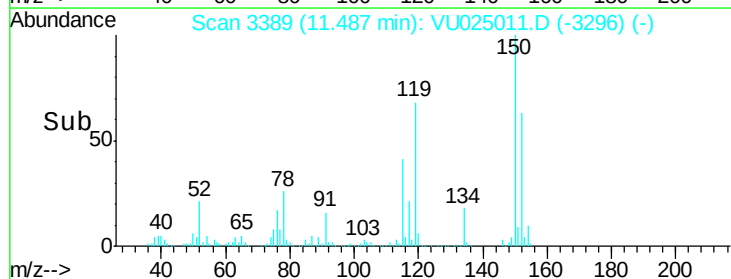
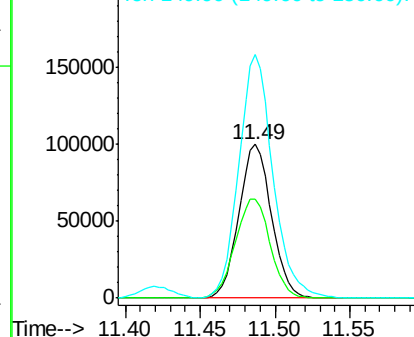
Lab File: VU025011.D

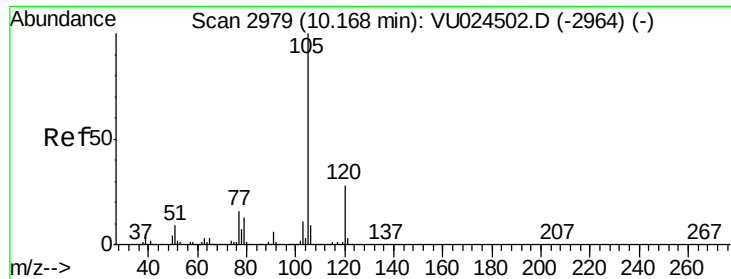
Acq: 28 Jun 2018 11:24

Tgt Ion:	152	Resp:	151929
Ion	Ratio	Lower	Upper
152	100		
115	69.0	43.0	129.0
150	165.7	0.0	354.0



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





#73

Isopropylbenzene

Concen: 21.72 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 105 Resp: 253349

Ion Ratio Lower Upper

105 100

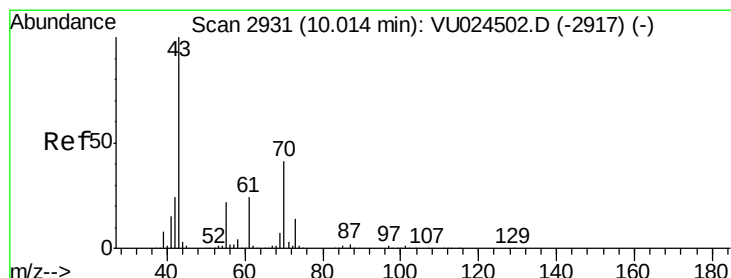
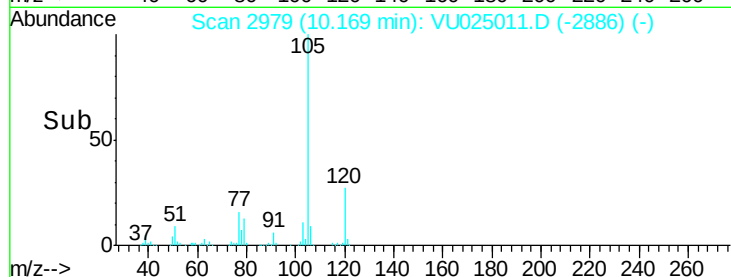
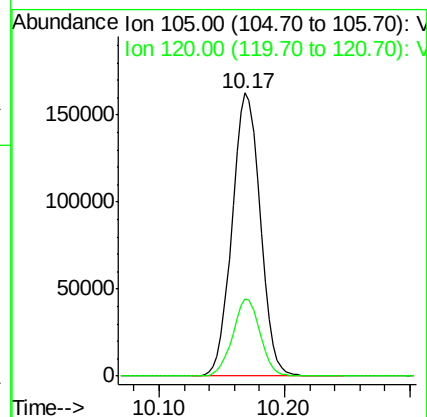
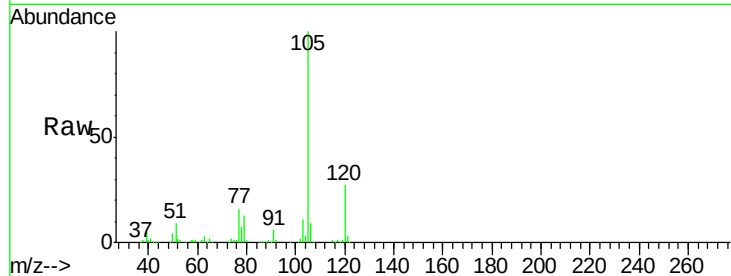
120 26.5 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.34 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion: 43 Resp: 101768

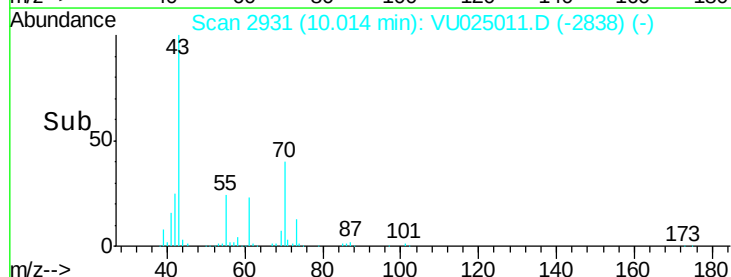
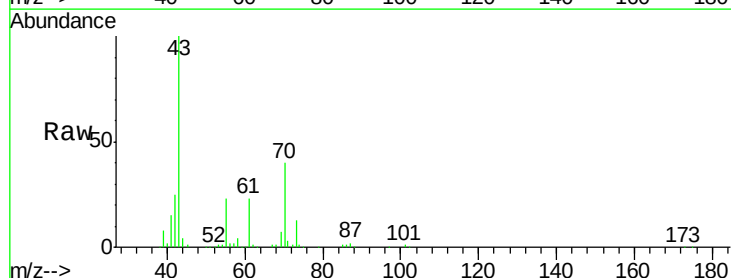
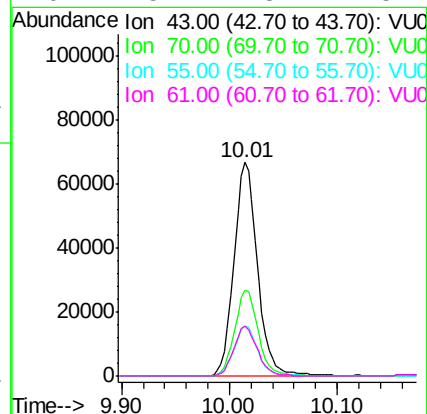
Ion Ratio Lower Upper

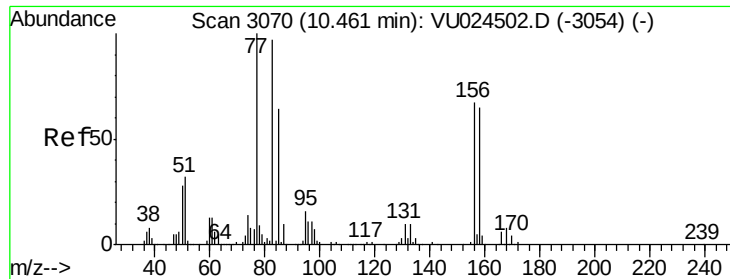
43 100

70 40.3 32.2 48.4

55 23.7 20.5 30.7

61 23.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.36 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 83 Resp: 79580

Ion Ratio Lower Upper

83 100

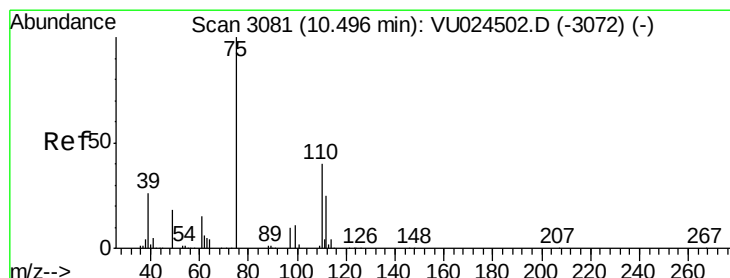
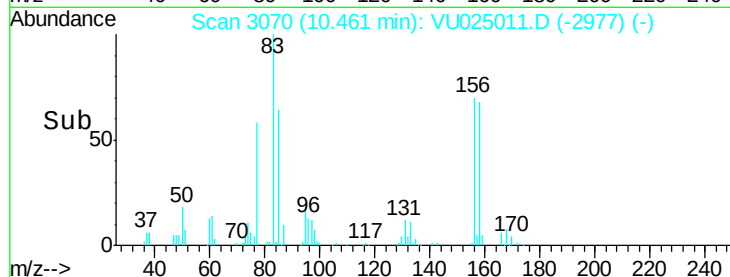
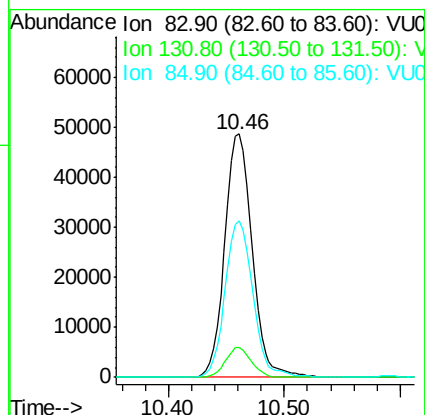
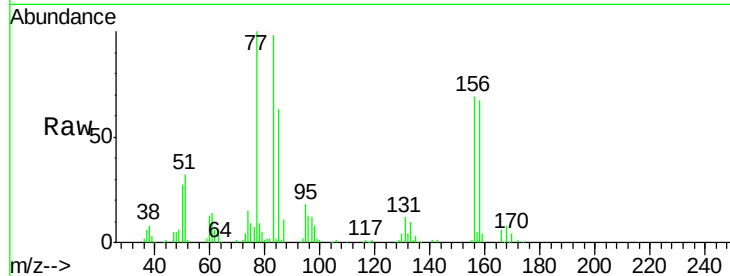
131 11.4 4.7 14.1

85 65.5 32.5 97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.55 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025011.D

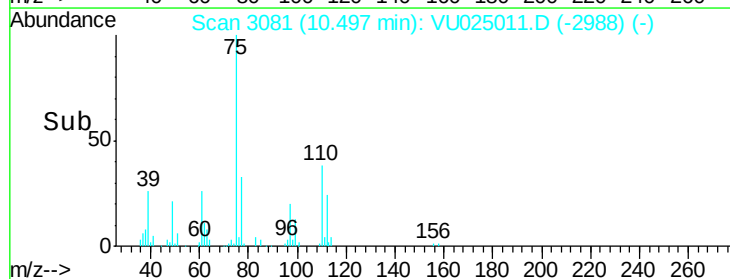
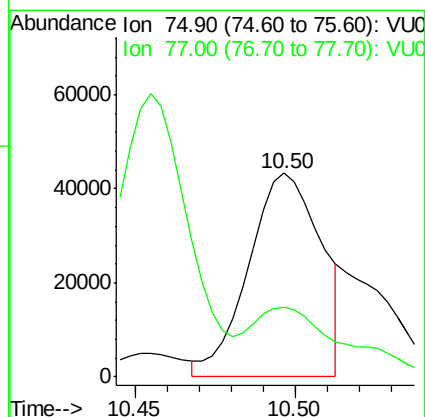
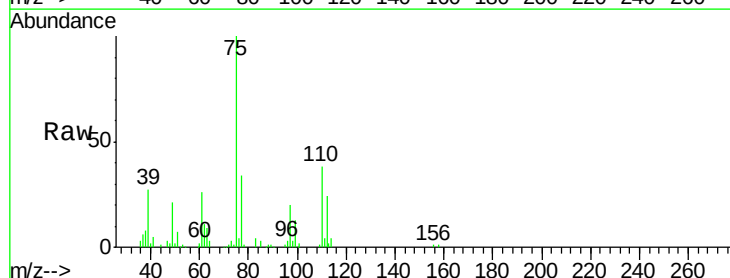
Acq: 28 Jun 2018 11:24

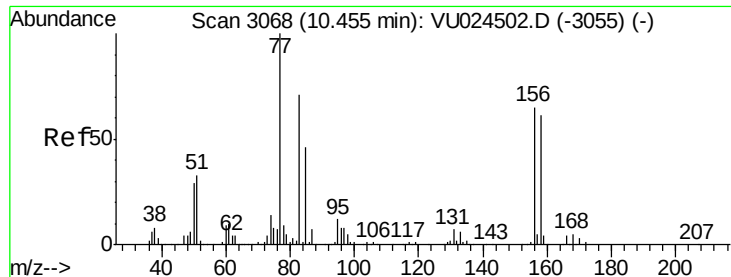
Tgt Ion: 75 Resp: 68732

Ion Ratio Lower Upper

75 100

77 44.9 20.9 62.7





#77

Bromobenzene

Concen: 21.73 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

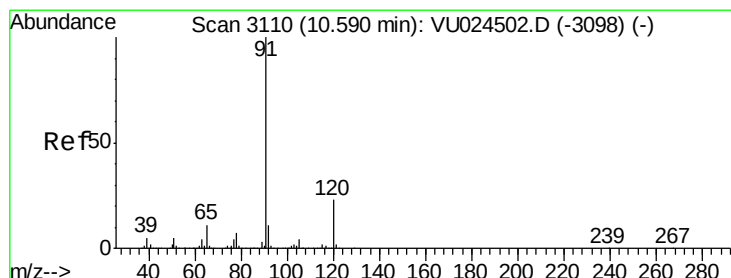
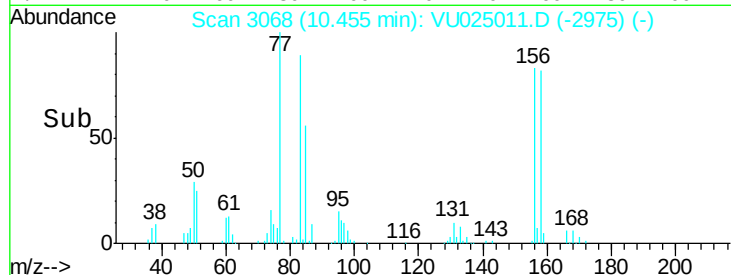
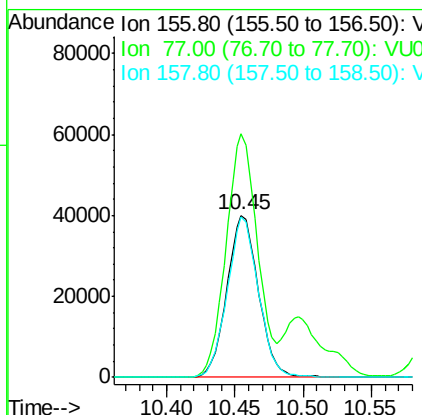
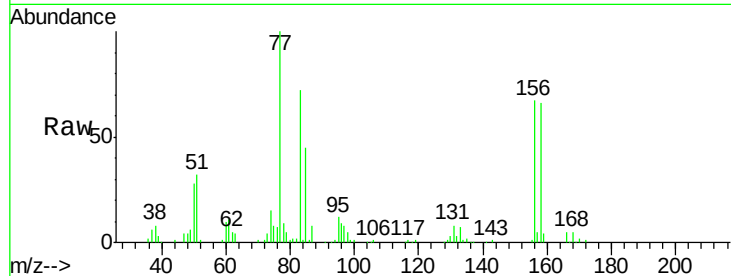
ClientSampleId :

VU0628MBS01

Tot Ion:	156	Resp:	64174
Ion Ratio	Lower	Upper	
156	100		
77	150.2	80.5	241.3
158	98.2	48.2	144.6

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#78

n-propylbenzene

Concen: 20.82 ug/l

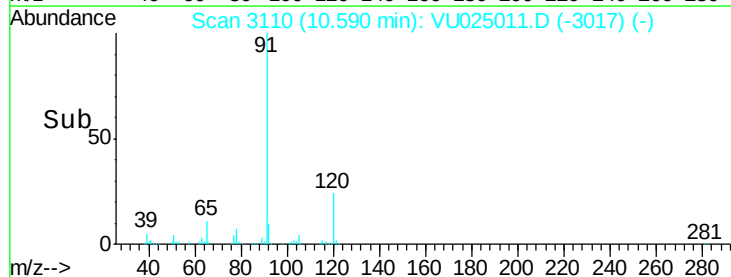
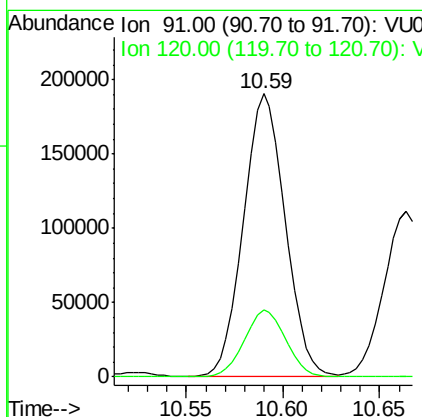
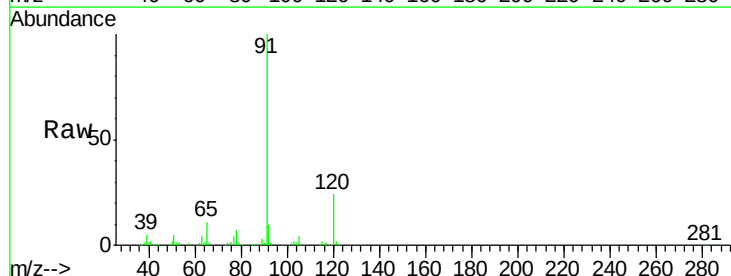
RT: 10.59 min Scan# 3110

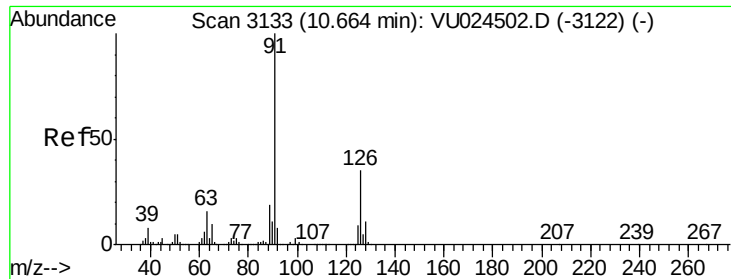
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	91	Resp:	286138
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.37 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS01

Tot Ion: 91 Resp: 173193

Ion Ratio Lower Upper

91 100

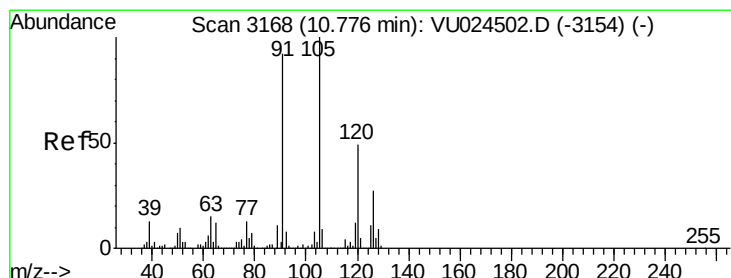
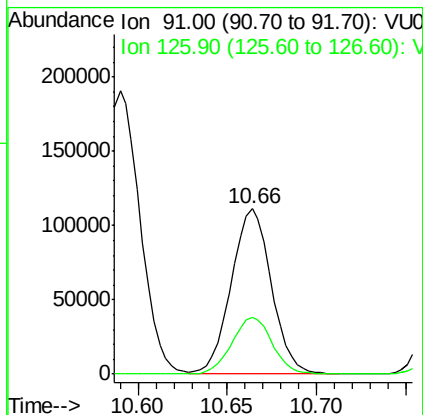
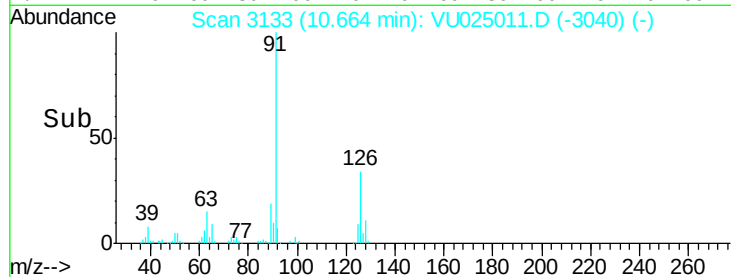
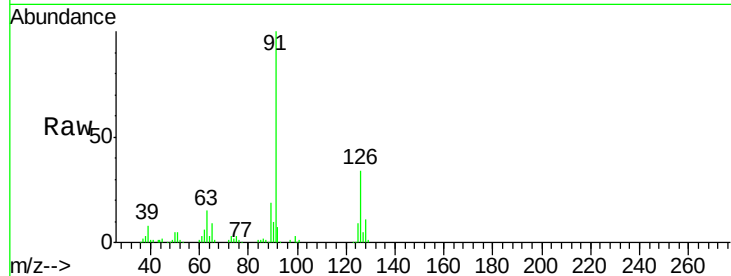
126 34.9 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 21.77 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025011.D

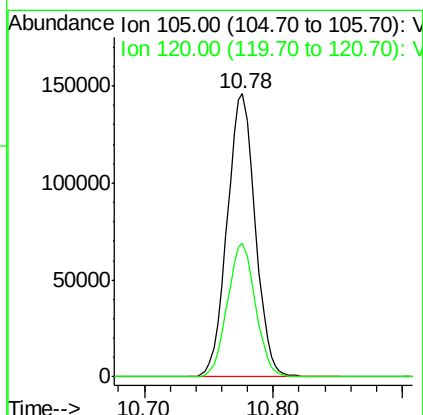
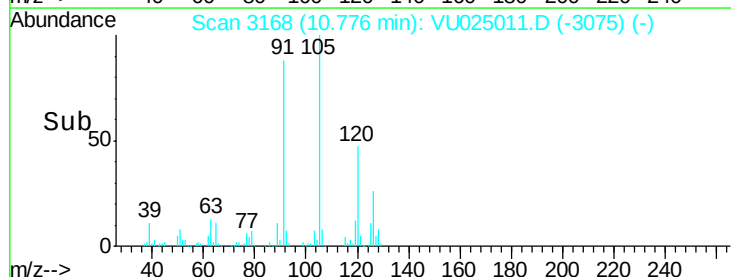
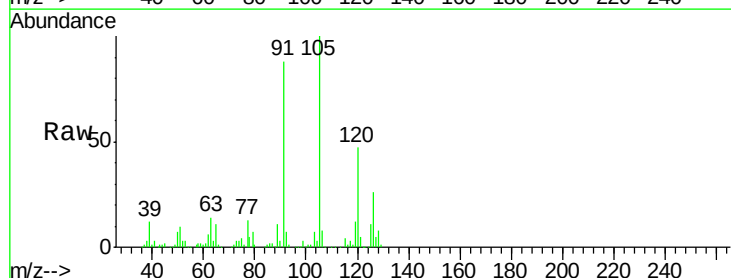
Acq: 28 Jun 2018 11:24

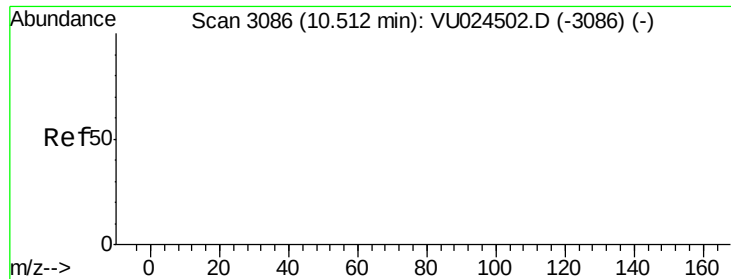
Tgt Ion: 105 Resp: 220088

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.10 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

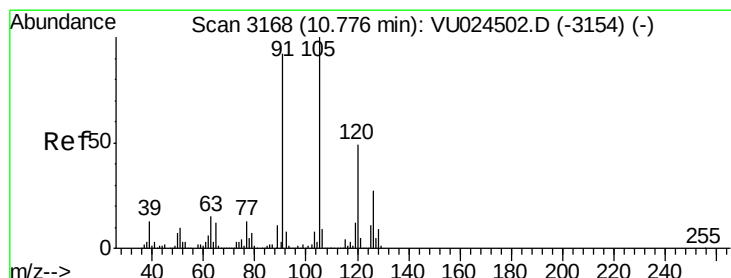
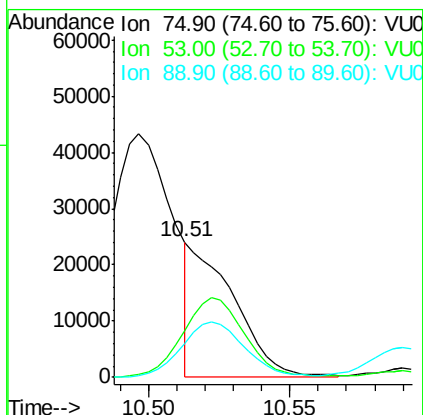
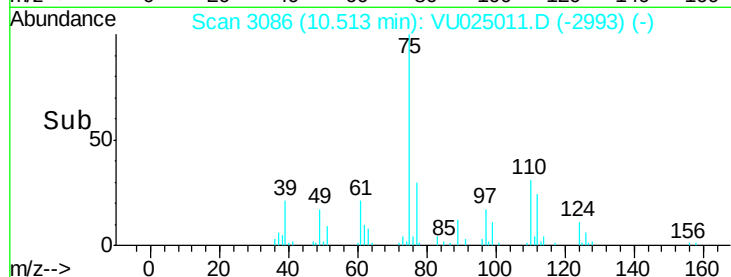
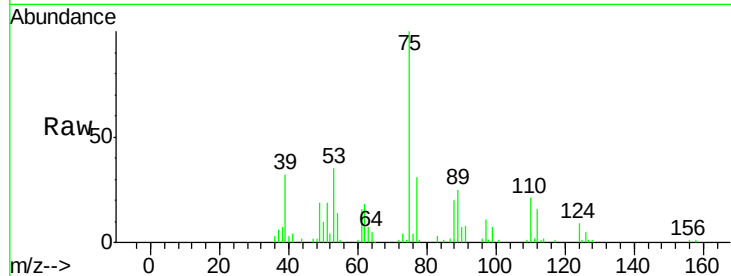
Instrument :
MSVOA_U

ClientSampleId :
VU0628MBS01

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

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#82

4-Chlorotoluene

Concen: 21.17 ug/l

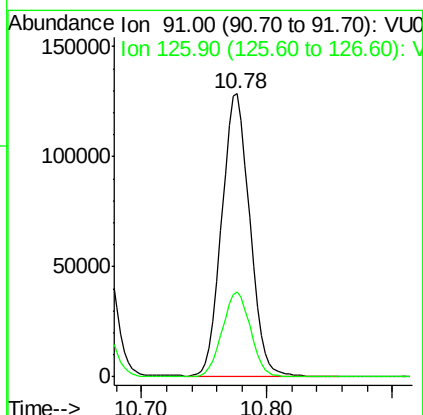
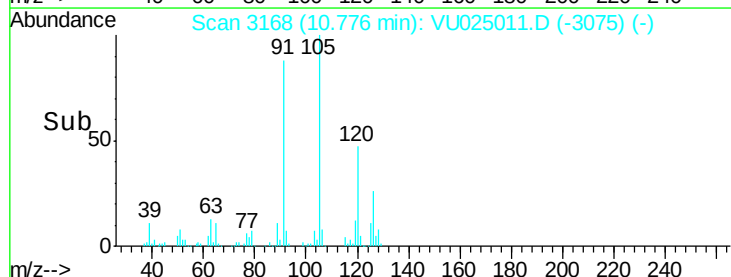
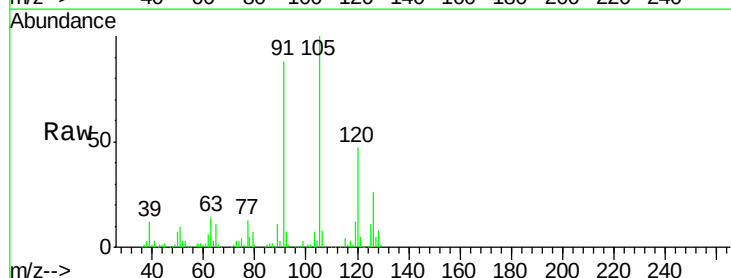
RT: 10.78 min Scan# 3168

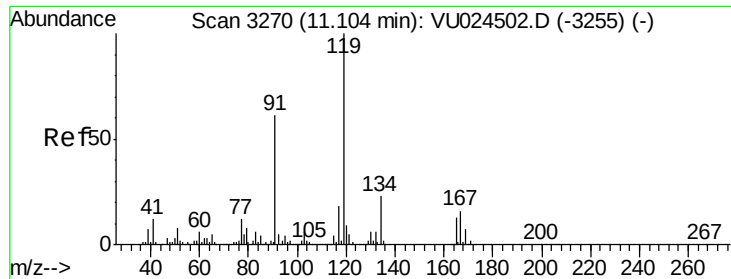
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





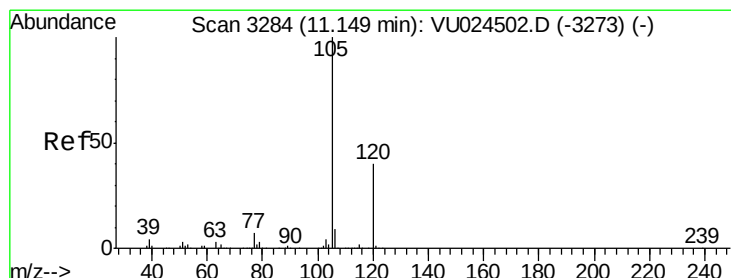
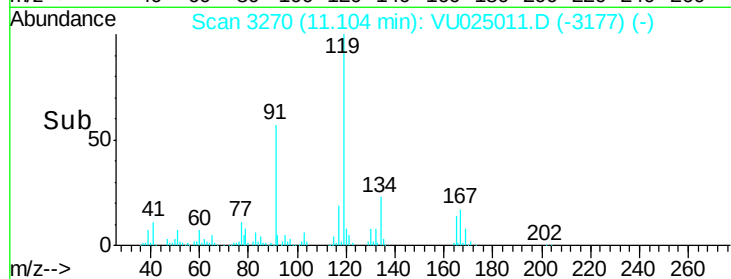
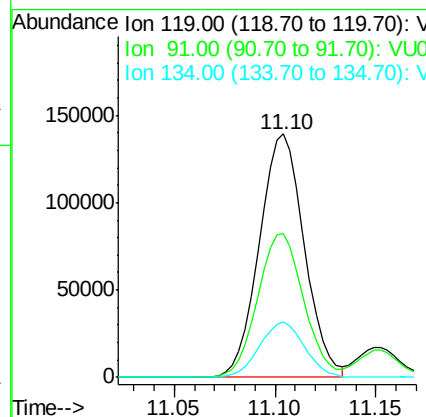
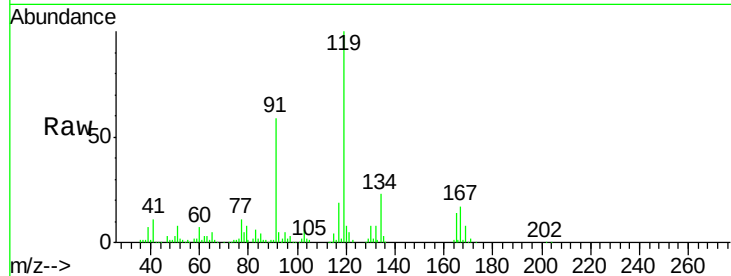
#83
 tert-Butylbenzene
 Concen: 22.29 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216753		
91	60.5	29.7	89.1	
134	22.8	11.6	34.7	

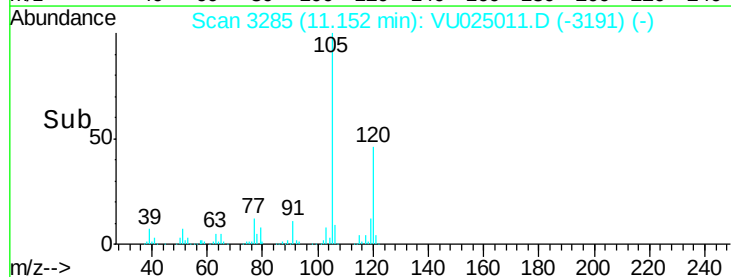
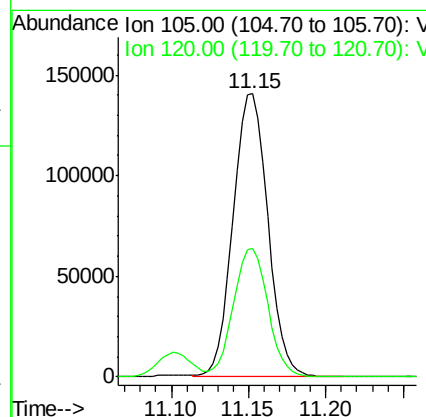
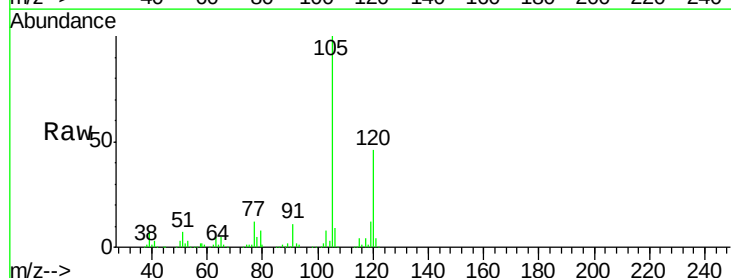
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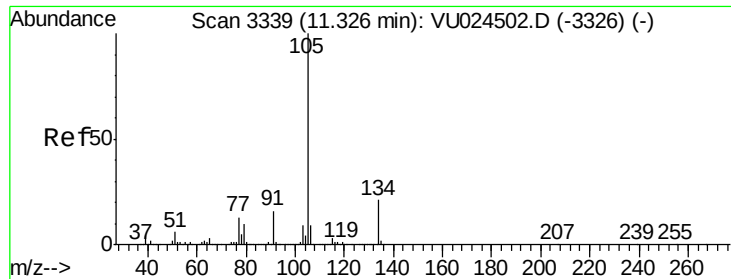
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.21 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	218490		
120	45.1	22.6	67.8	





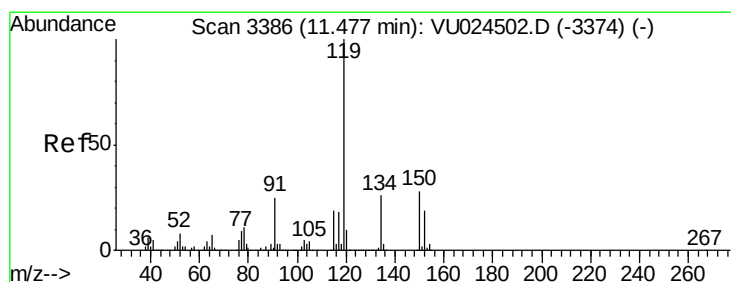
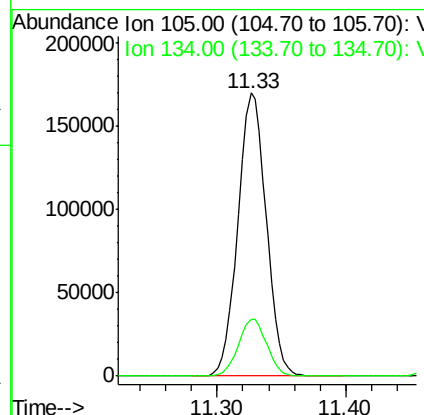
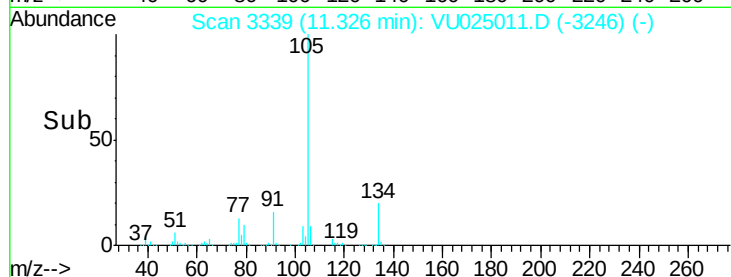
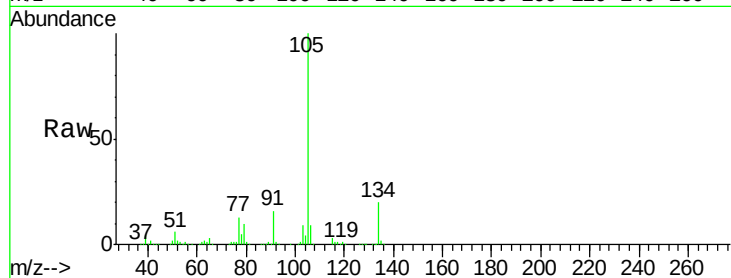
#85
 sec-Butylbenzene
 Concen: 21.30 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	259313		
134	20.2	9.7	29.1	

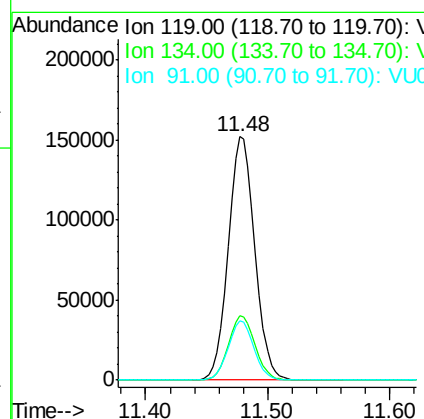
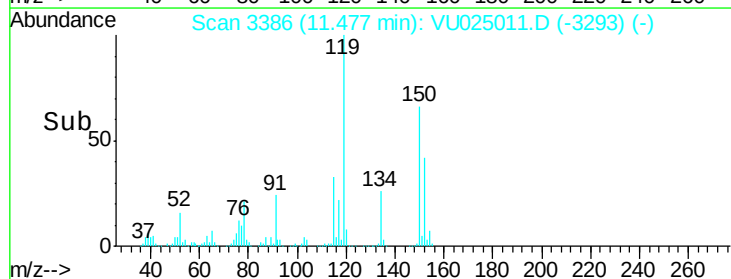
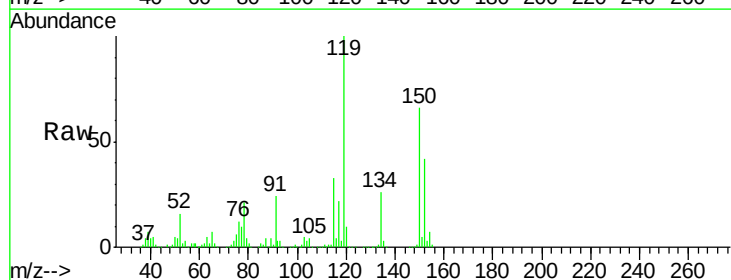
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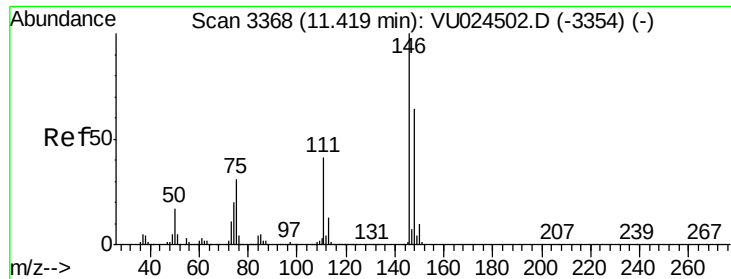
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#86
 p-Isopropyltoluene
 Concen: 21.29 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	232072		
134	26.4	12.9	38.6	
91	23.9	12.0	36.1	





#87

1,3-Dichlorobenzene

Concen: 21.16 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

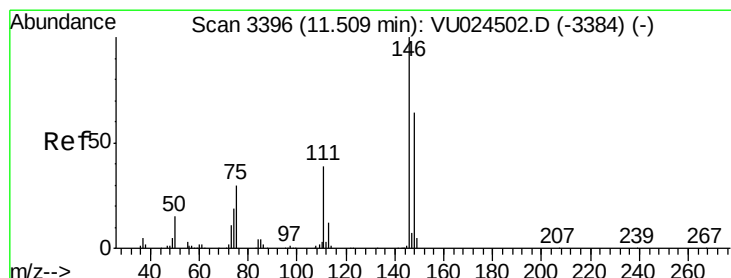
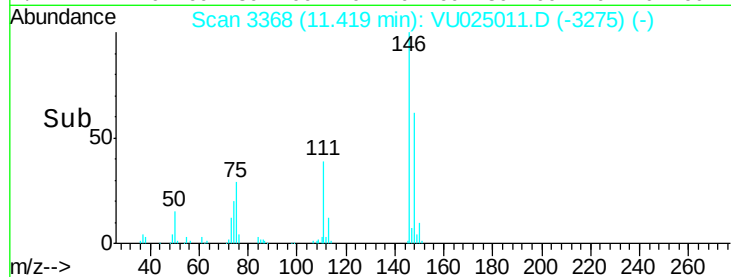
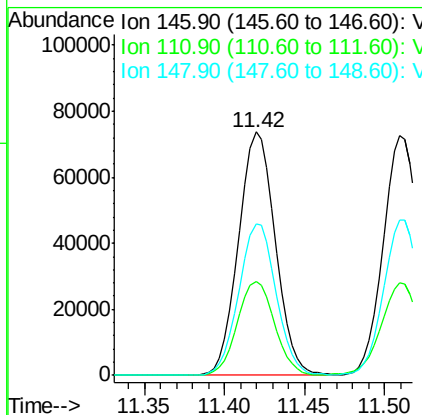
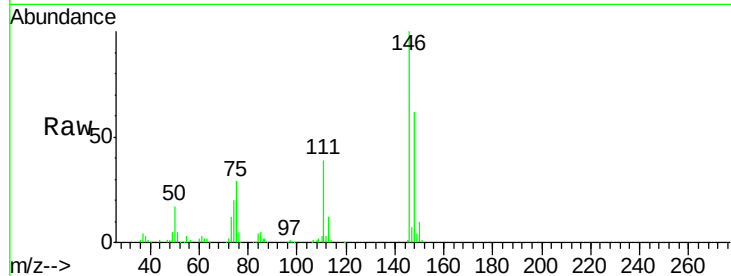
ClientSampleId :

VU0628MBS01

Tot Ion:	146	Resp:	115445
Ion Ratio	Lower	Upper	
146	100		
111	38.9	20.0	60.0
148	63.1	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 21.18 ug/l

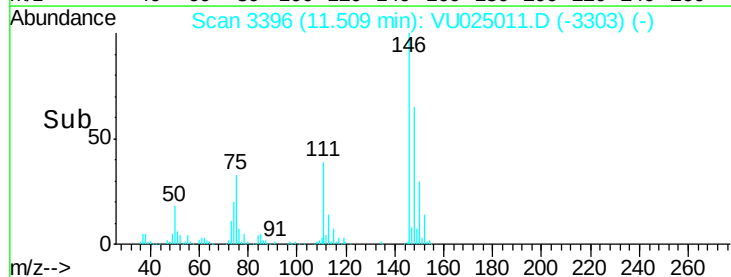
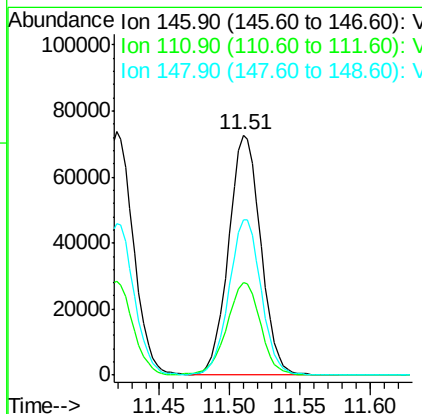
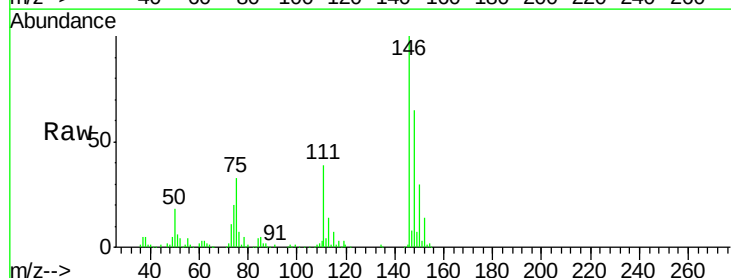
RT: 11.51 min Scan# 3396

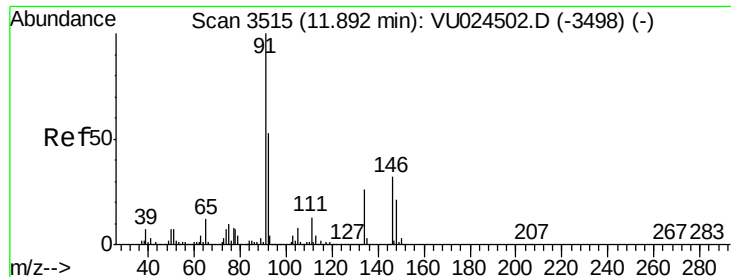
Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	146	Resp:	116299
Ion Ratio	Lower	Upper	
146	100		
111	40.1	19.5	58.5
148	64.4	32.4	97.0





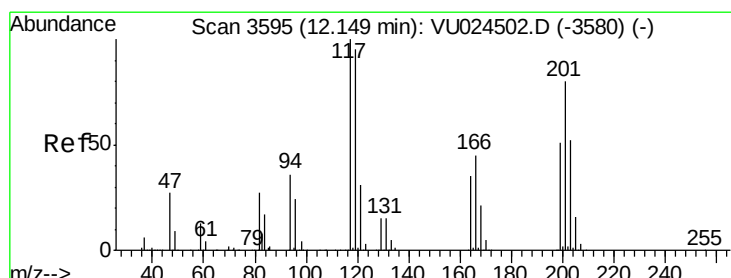
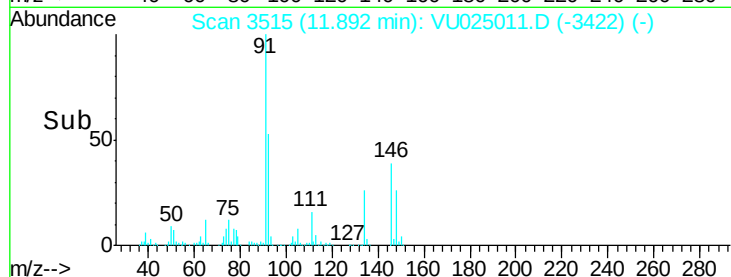
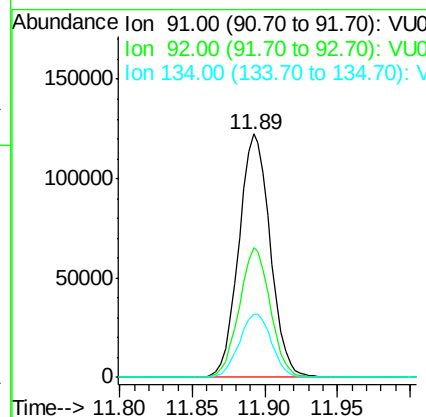
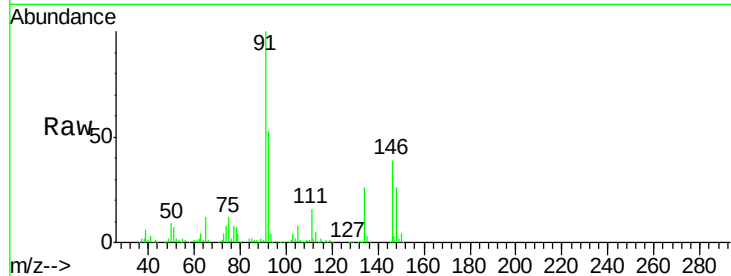
#89
n-Butylbenzene
Concen: 18.97 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.6	76.8
134	26.7	12.3	36.8

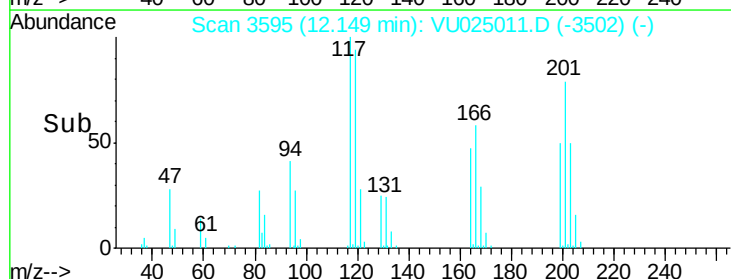
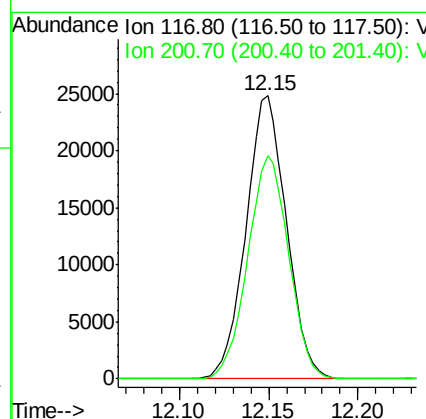
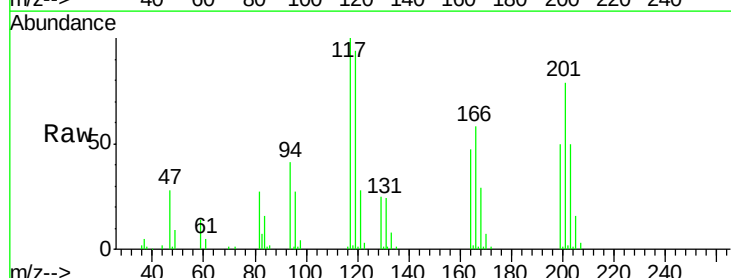
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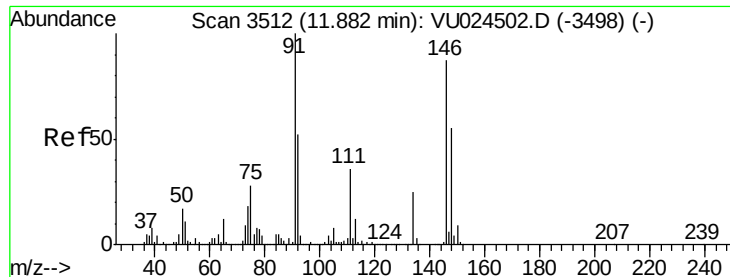
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#90
Hexachloroethane
Concen: 18.48 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025011.D
Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 21.74 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

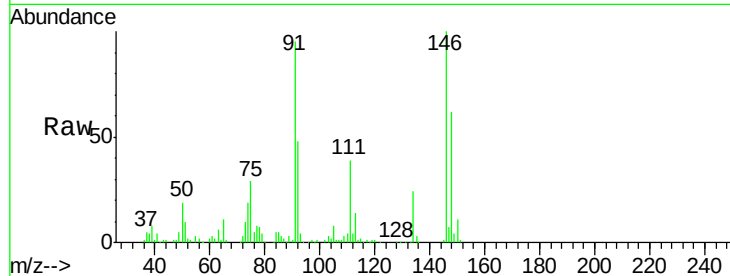
ClientSampleId :

VU0628MBS01

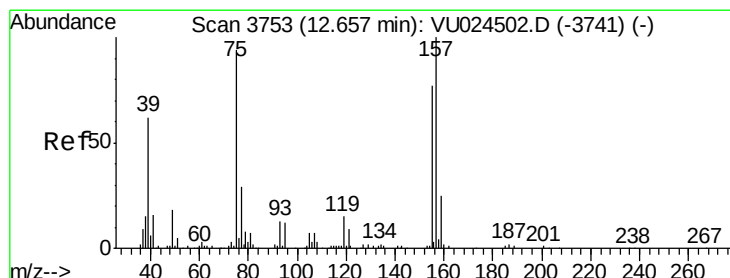
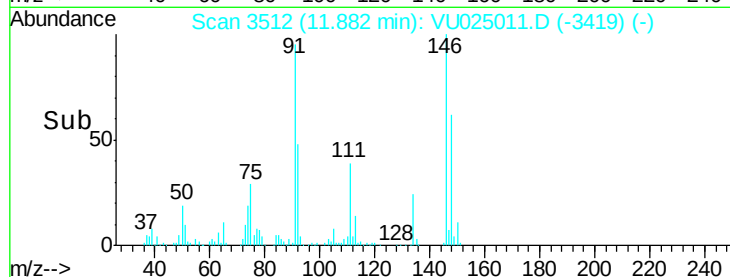
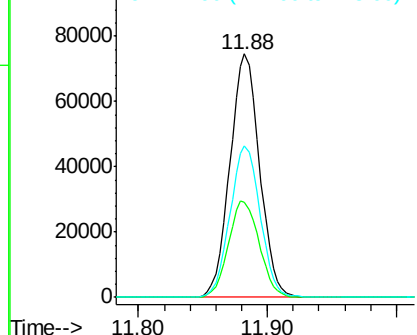
Tot Ion:	146	Resp:	118820
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.5	61.6
148	63.3	31.9	95.7

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.71 ug/l

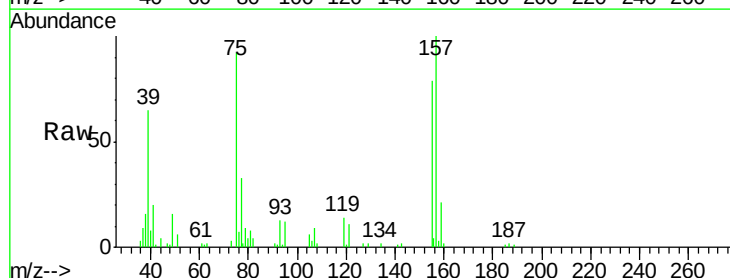
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

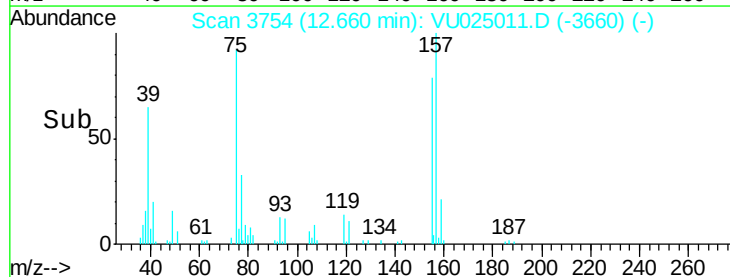
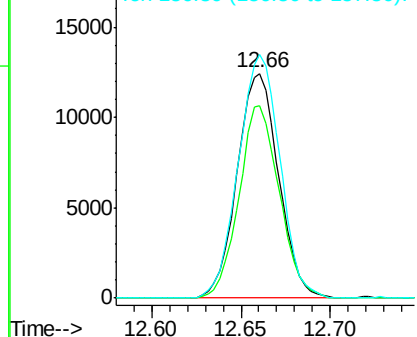
Lab File: VU025011.D

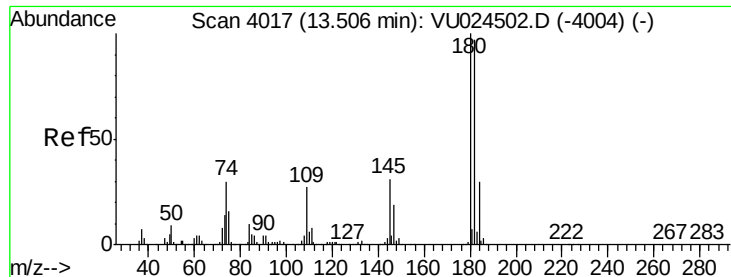
Acq: 28 Jun 2018 11:24

Tgt Ion:	75	Resp:	20176
Ion Ratio	Lower	Upper	
75	100		
155	83.3	40.4	121.2
157	108.9	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





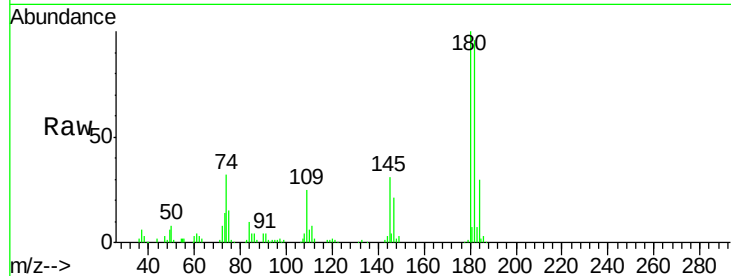
#93
 1,2,4-Trichlorobenzene
 Concen: 21.82 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS01

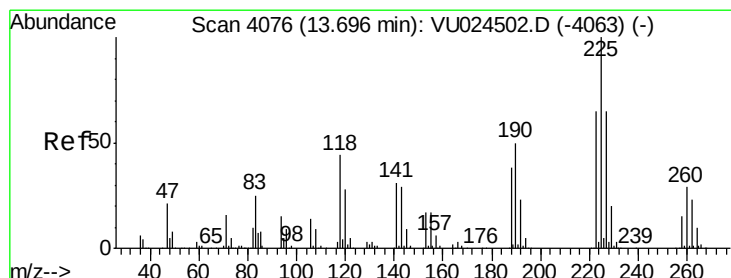
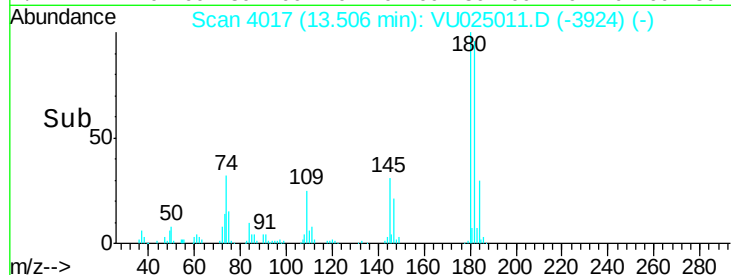
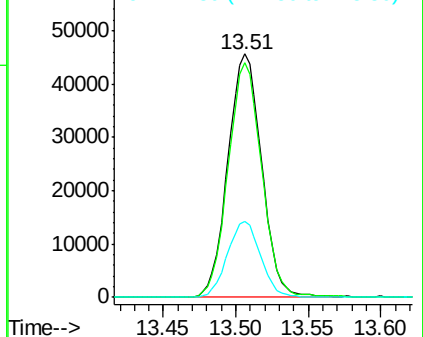
Tot Ion	Ratio	Resp	Lower	Upper
180	100	73626		
182	96.0	48.0	144.2	
145	30.7	14.7	44.1	

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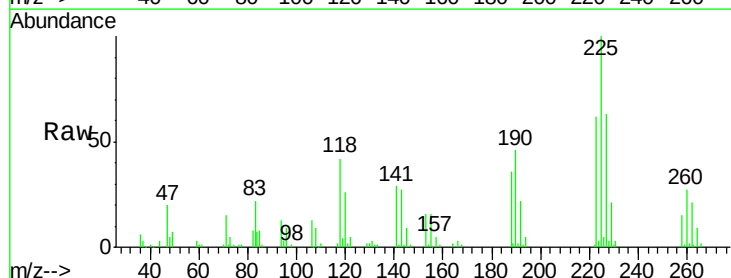


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

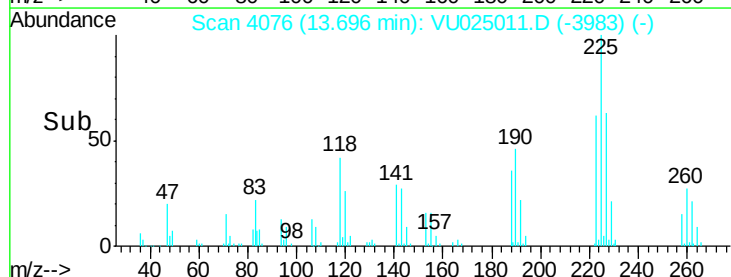
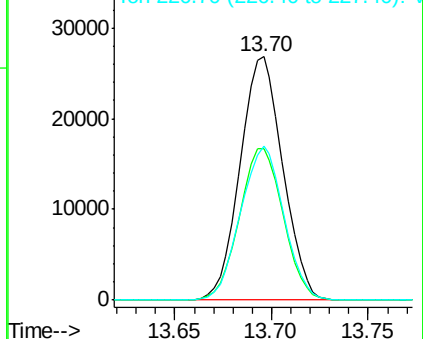


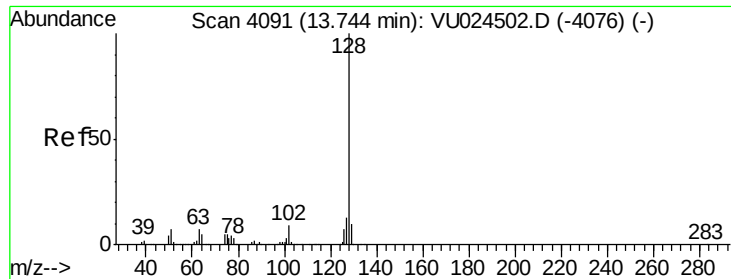
#94
 Hexachlorobutadiene
 Concen: 21.73 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025011.D
 Acq: 28 Jun 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41281		
223	63.6	31.3	93.8	
227	64.1	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





#95

Naphthalene

Concen: 21.13 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Instrument :

MSVOA_U

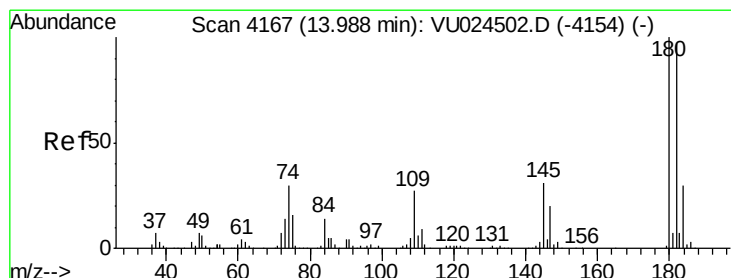
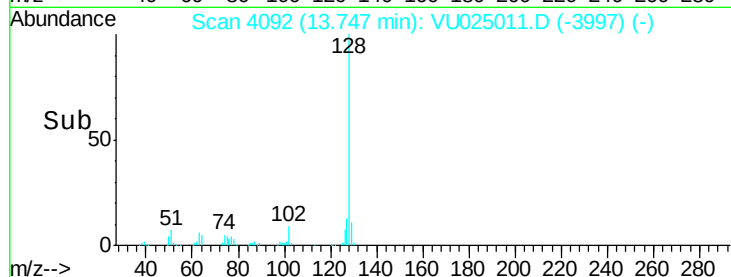
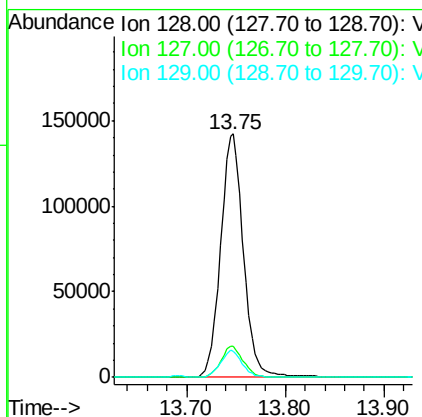
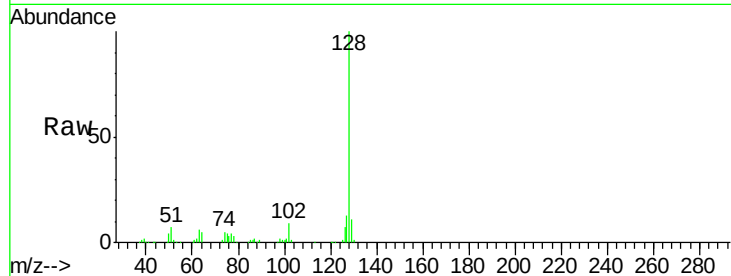
ClientSampleId :

VU0628MBS01

Tot Ion:	128	Resp:	231557
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.34 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025011.D

Acq: 28 Jun 2018 11:24

Tgt Ion:	180	Resp:	75104
Ion Ratio		Lower	Upper
180	100		
182	96.2	47.9	143.7
145	33.4	15.4	46.1

