

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025038.D
 Acq On : 28 Jun 2018 23:09
 Operator : MD/SY
 Sample : VU0628MBS02
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:50 PM

Quant Time: Jun 29 07:48:58 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	176377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	274011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	255401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141463	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	4.89	113	112095	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	7.57	98	371925	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	
62) 4-Bromofluorobenzene	10.31	95	150491	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37438	16.96	ug/l	99
3) Chloromethane	1.33	50	39244	17.40	ug/l	99
4) Vinyl Chloride	1.40	62	42686	18.35	ug/l	100
5) Bromomethane	1.62	94	28958	25.75	ug/l	98
6) Chloroethane	1.70	64	28276	21.15	ug/l	98
7) Trichlorofluoromethane	1.89	101	71213	20.06	ug/l	98
8) Diethyl Ether	2.10	74	27993	22.12	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42664	19.37	ug/l	98
10) Methyl Iodide	2.41	142	41669	25.28	ug/l	96
11) Tert butyl alcohol	2.82	59	70607	100.82	ug/l	98
12) 1,1-Dichloroethene	2.29	96	38829	19.33	ug/l	94
13) Acrolein	2.19	56	22503	61.19	ug/l	98
14) Allyl chloride	2.60	41	65622	17.60	ug/l	98
15) Acrylonitrile	2.94	53	139563	102.43	ug/l	98
16) Acetone	2.32	43	131334	84.89	ug/l	96
17) Carbon Disulfide	2.48	76	108728	16.91	ug/l	99
18) Methyl Acetate	2.62	43	81943	24.71	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	157069	20.81	ug/l	95
20) Methylene Chloride	2.71	84	48830	20.12	ug/l	93
21) trans-1,2-Dichloroethene	2.99	96	42566	19.24	ug/l	99
22) Diisopropyl ether	3.57	45	148445	20.08	ug/l	93
23) Vinyl Acetate	3.53	43	615636	92.97	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85913	20.20	ug/l	97
25) 2-Butanone	4.26	43	198992	95.76	ug/l	99
26) 2,2-Dichloropropane	4.23	77	63887	15.82	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	50209	19.74	ug/l	98
28) Bromochloromethane	4.55	49	39736	21.21	ug/l	86
29) Tetrahydrofuran	4.63	42	128232	99.64	ug/l	96
30) Chloroform	4.68	83	89265	20.74	ug/l	97
31) Cyclohexane	5.00	56	78725	19.65	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	81001	20.35	ug/l	94
36) 1,1-Dichloropropene	5.14	75	62681	19.47	ug/l	97
37) Ethyl Acetate	4.38	43	74208	21.15	ug/l	98
38) Carbon Tetrachloride	5.14	117	70466	19.90	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77343	19.25	ug/l	98
40) Benzene	5.39	78	188228	20.52	ug/l	100
41) Methacrylonitrile	4.54	41	40835	21.58	ug/l	97
42) 1,2-Dichloroethane	5.41	62	77840	22.28	ug/l	99
43) Isopropyl Acetate	5.55	43	118870	19.60	ug/l	98
44) Trichloroethene	6.19	130	51107	19.57	ug/l	95
45) 1,2-Dichloropropane	6.44	63	49895	20.38	ug/l	96
46) Dibromomethane	6.56	93	36249	21.08	ug/l	96
47) Bromodichloromethane	6.76	83	67632	19.75	ug/l	96
48) Methyl methacrylate	6.63	41	61063	20.67	ug/l	98
49) 1,4-Dioxane	6.62	88	27782	480.94	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	386071	101.30	ug/l	99
52) Toluene	7.64	92	117949	19.98	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	69887	18.17	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	73808	18.01	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	49005	20.42	ug/l	97
56) Ethyl methacrylate	8.02	69	78283	19.49	ug/l	98
57) 1,3-Dichloropropane	8.25	76	83994	20.75	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	33652	21.87	ug/l	96
59) 2-Hexanone	8.36	43	306394	98.48	ug/l	100
60) Dibromochloromethane	8.48	129	53345	17.83	ug/l	99
61) 1,2-Dibromoethane	8.59	107	53465	20.02	ug/l	98
64) Tetrachloroethene	8.23	164	50029	20.61	ug/l	96
65) Chlorobenzene	9.12	112	134548	20.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51003	20.58	ug/l	98
67) Ethyl Benzene	9.25	91	232324	20.31	ug/l	97
68) m/p-Xylenes	9.38	106	180123	41.01	ug/l	98
69) o-Xylene	9.78	106	89701	20.64	ug/l	97
70) Styrene	9.80	104	140121	19.62	ug/l	99
71) Bromoform	9.96	173	40446	17.17	ug/l #	98
73) Isopropylbenzene	10.17	105	239658	21.24	ug/l	99
74) N-amyl acetate	10.01	43	99860	18.61	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	80438	21.28	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	73743m	22.80	ug/l	
77) Bromobenzene	10.45	156	60663	21.24	ug/l	95
78) n-propylbenzene	10.59	91	263384	19.82	ug/l	97
79) 2-Chlorotoluene	10.66	91	165856	21.16	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	204653	20.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	24383m	17.44	ug/l	
82) 4-Chlorotoluene	10.78	91	185938	20.39	ug/l	99
83) tert-Butylbenzene	11.10	119	202016	21.48	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	203656	20.44	ug/l	100
85) sec-Butylbenzene	11.33	105	241516	20.51	ug/l	98
86) p-Isopropyltoluene	11.48	119	210025	19.92	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107249	20.33	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	106706	20.09	ug/l	99
89) n-Butylbenzene	11.89	91	160138	17.11	ug/l	97
90) Hexachloroethane	12.15	117	36179	17.59	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	111617	21.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20122	19.29	ug/l	91

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	64877	19.88	ug/l	99
94) Hexachlorobutadiene	13.70	225	36536	19.89	ug/l	98
95) Naphthalene	13.75	128	220301	20.79	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	69537	21.38	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion:168 Resp: 176377

Ion Ratio Lower Upper

168 100

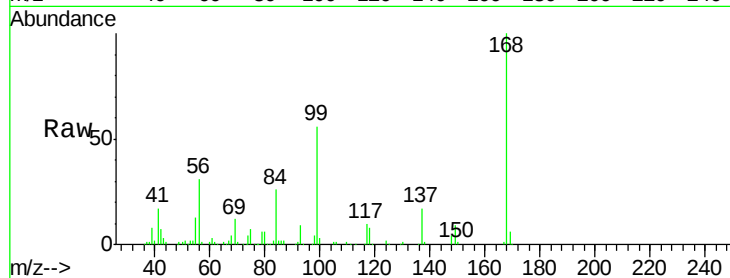
99 55.8 43.2 64.8

Manual Integrations

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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) (-)

4.99

80000

60000

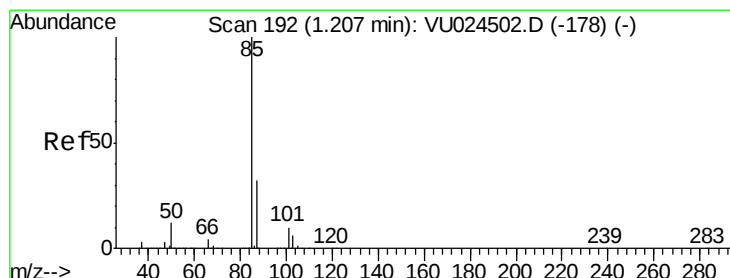
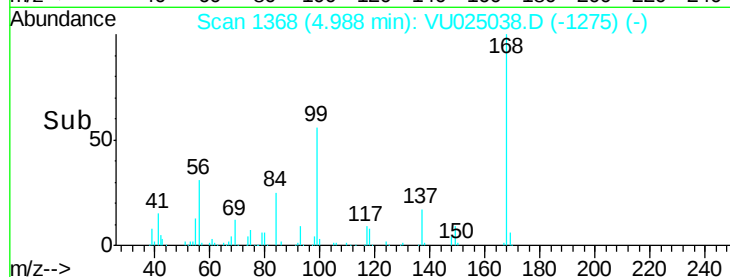
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.96 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025038.D

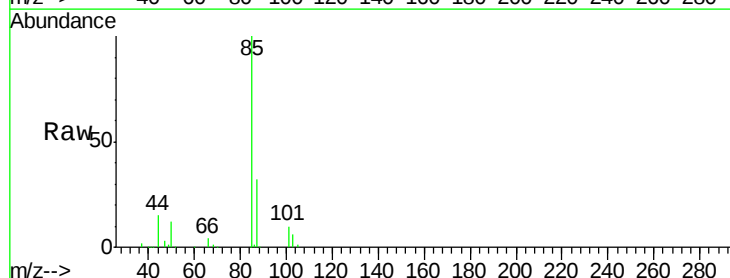
Acq: 28 Jun 2018 23:09

Tgt Ion: 85 Resp: 37438

Ion Ratio Lower Upper

85 100

87 32.4 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) (-)

1.20

40000

30000

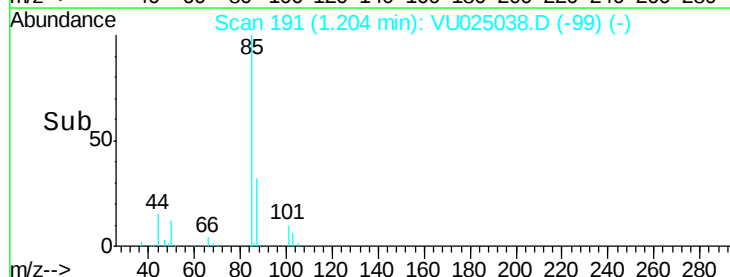
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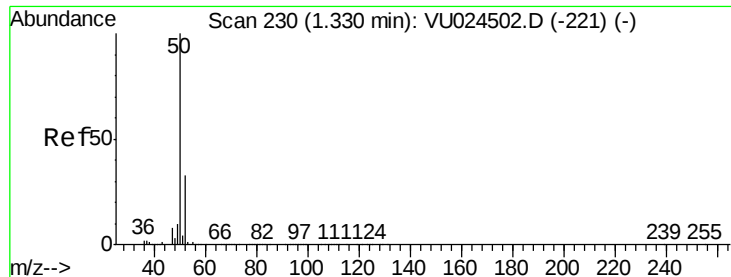
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.40 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 50 Resp: 39244

Ion Ratio Lower Upper

50 100

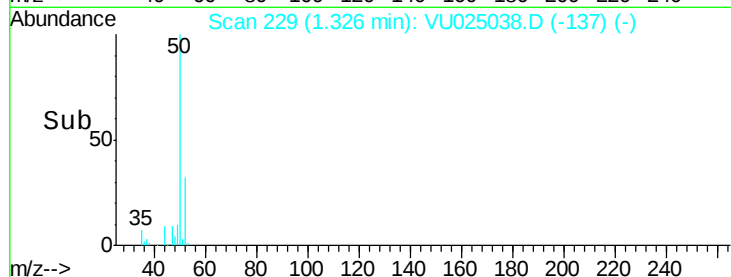
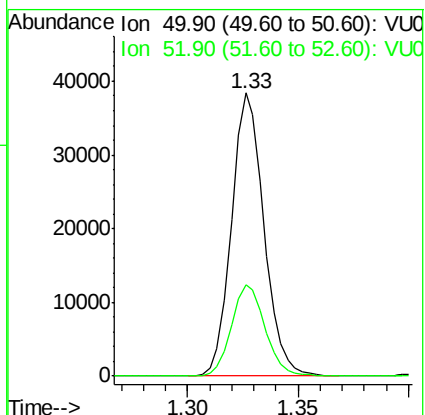
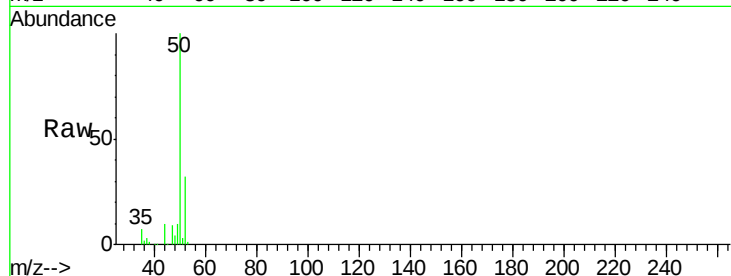
52 32.5 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.35 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025038.D

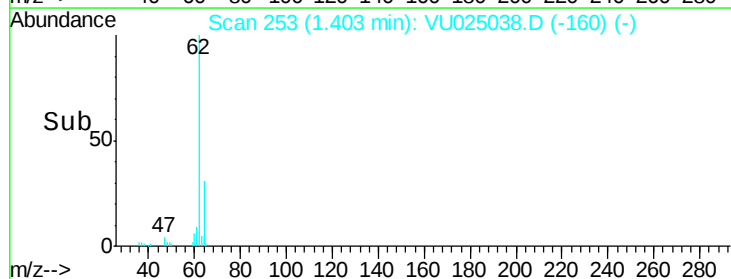
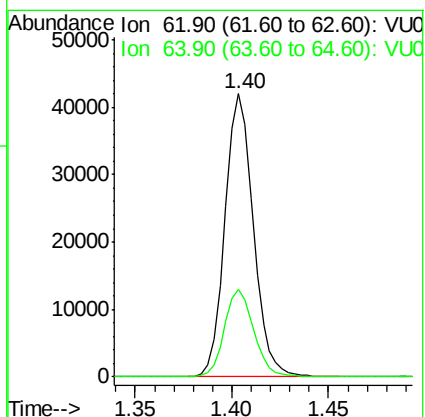
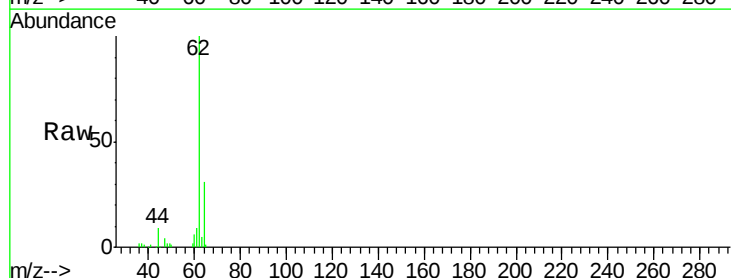
Acq: 28 Jun 2018 23:09

Tgt Ion: 62 Resp: 42686

Ion Ratio Lower Upper

62 100

64 31.1 24.8 37.2





#5

Bromomethane

Concen: 25.75 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 94 Resp: 28958

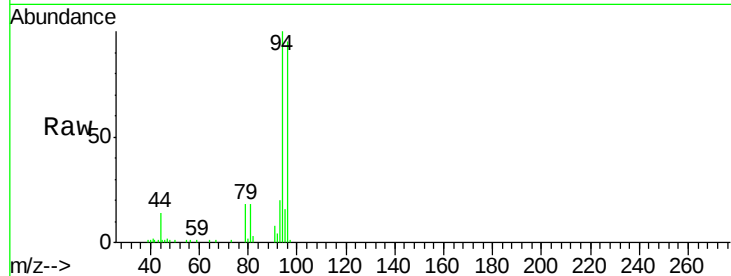
Ion Ratio Lower Upper

94 100

96 95.3 74.5 111.7

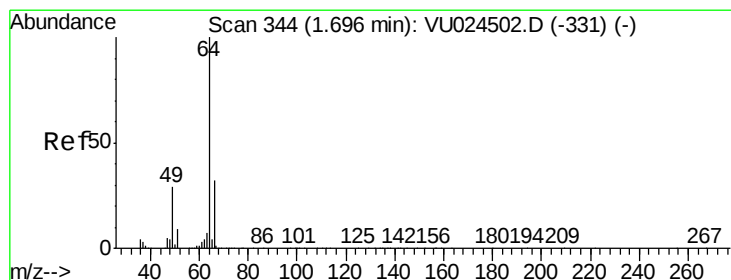
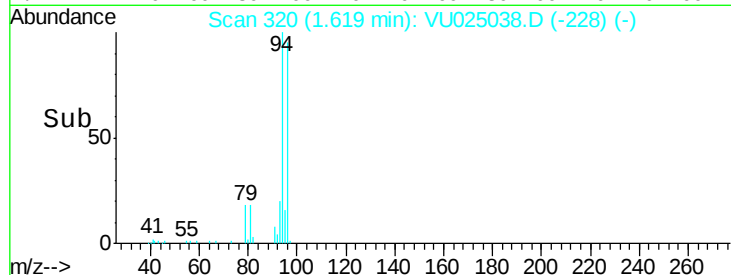
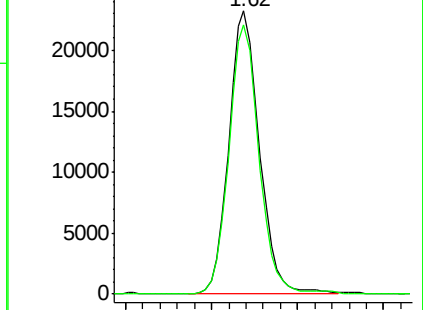
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Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)



#6

Chloroethane

Concen: 21.15 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025038.D

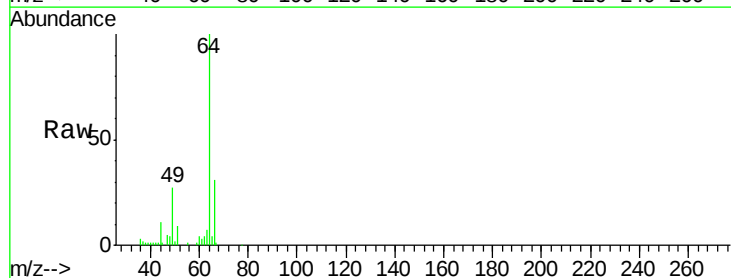
Acq: 28 Jun 2018 23:09

Tgt Ion: 64 Resp: 28276

Ion Ratio Lower Upper

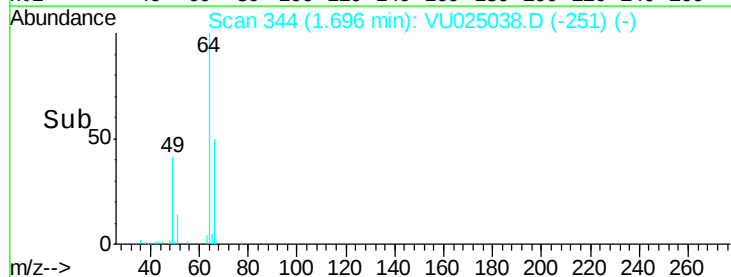
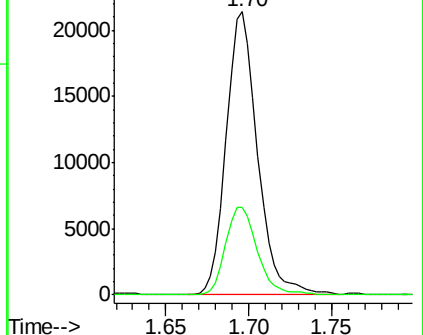
64 100

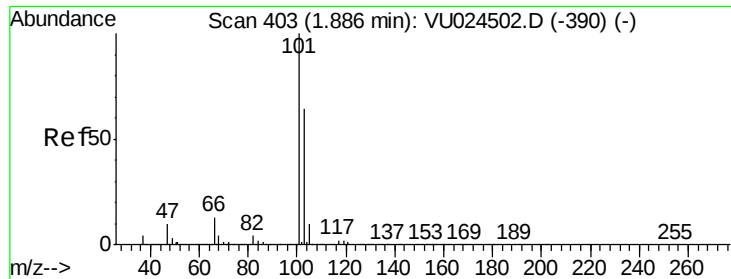
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)





#7

Trichlorofluoromethane

Concen: 20.06 ug/l

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

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VU0628MBS02

Tot Ion:101 Resp: 71213

Ion Ratio Lower Upper

101 100

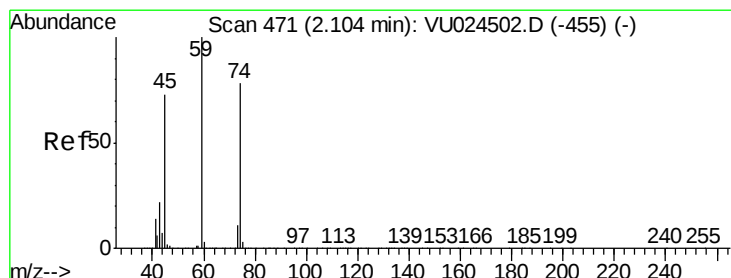
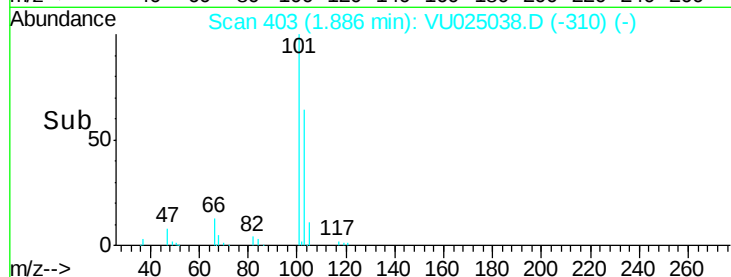
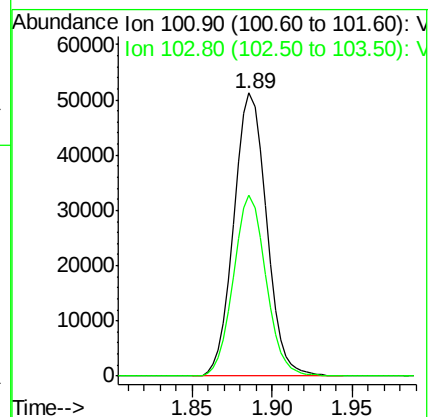
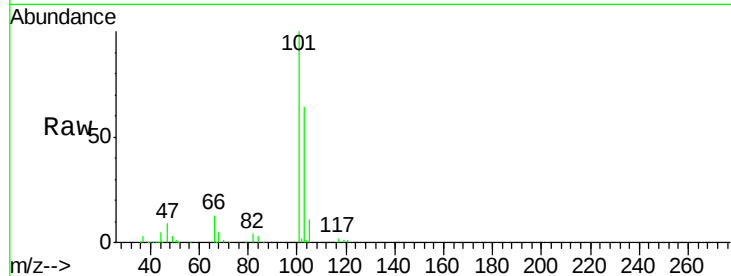
103 63.9 52.3 78.5

Manual Integrations

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#8

Diethyl Ether

Concen: 22.12 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025038.D

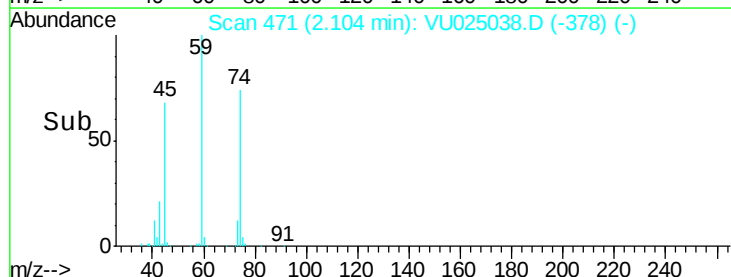
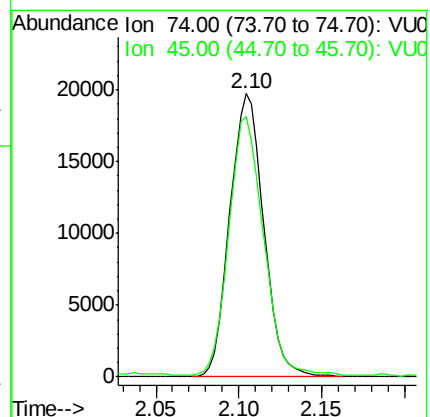
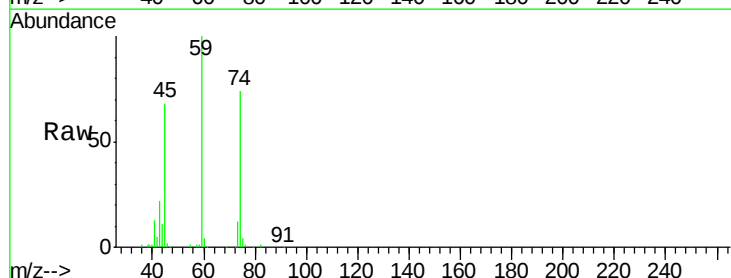
Acq: 28 Jun 2018 23:09

Tgt Ion: 74 Resp: 27993

Ion Ratio Lower Upper

74 100

45 93.2 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

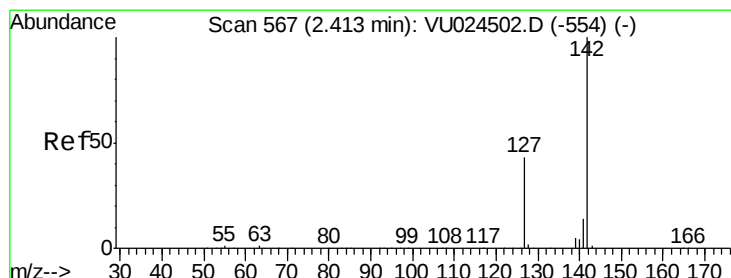
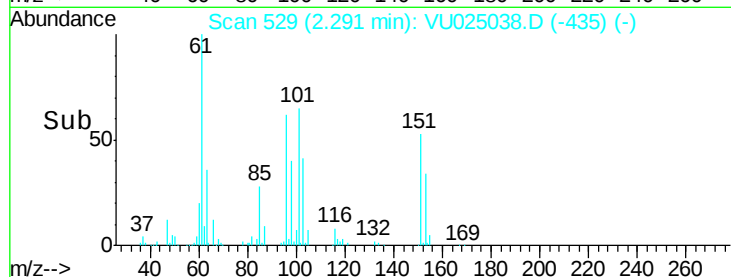
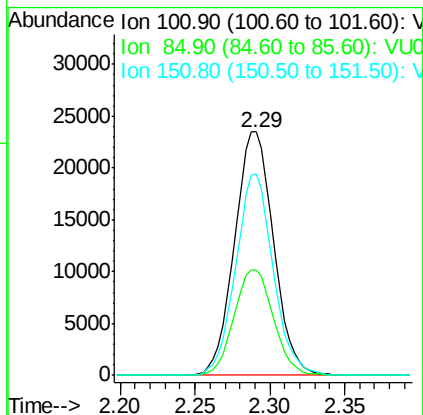
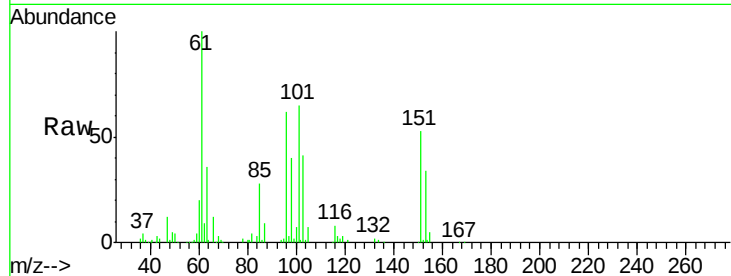
ClientSampleId :

VU0628MBS02

Tot Ion:	101	Resp:	42664
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	79.4	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 25.28 ug/l

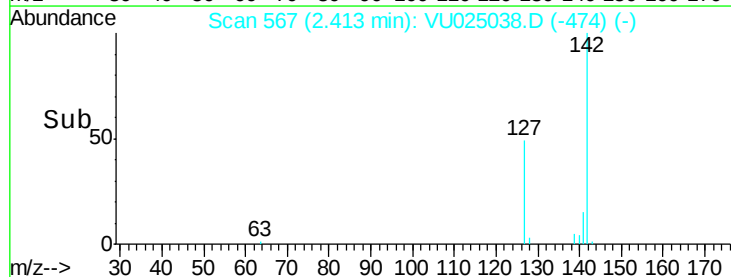
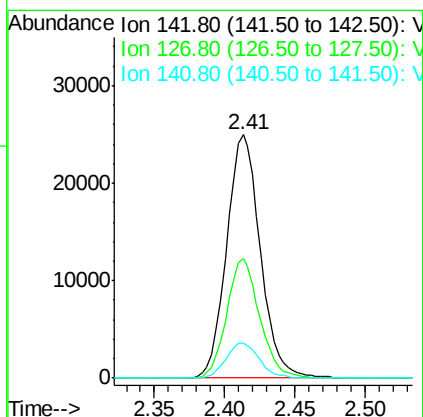
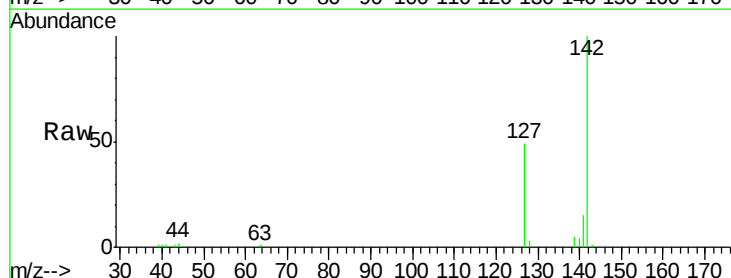
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	142	Resp:	41669
Ion Ratio	Lower	Upper	
142	100		
127	47.8	35.6	53.4
141	14.3	11.7	17.5





#11

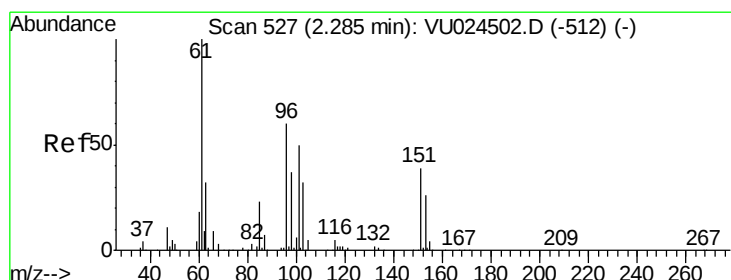
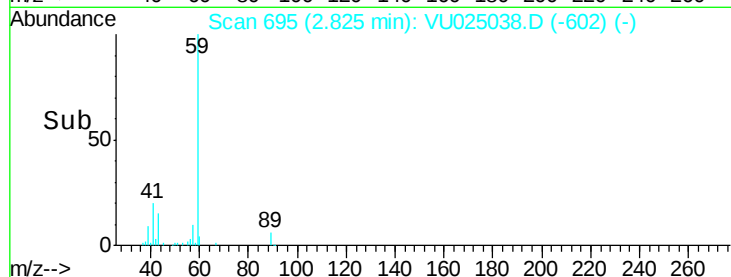
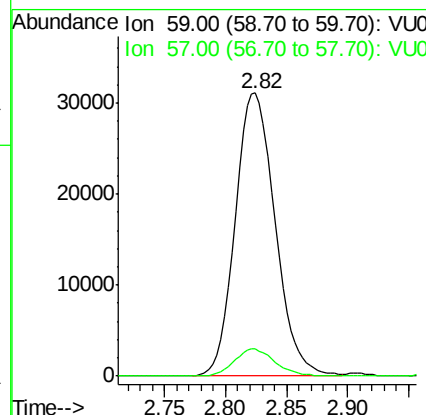
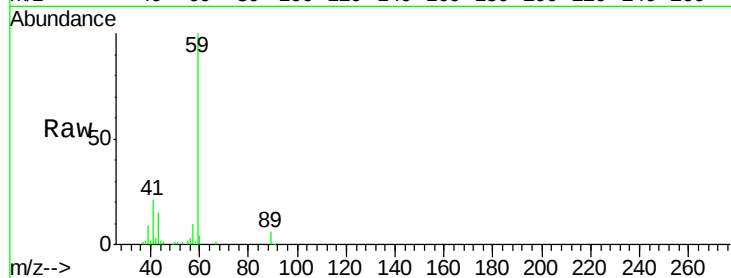
Tert butyl alcohol
 Concen: 100.82 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Manual Integrations
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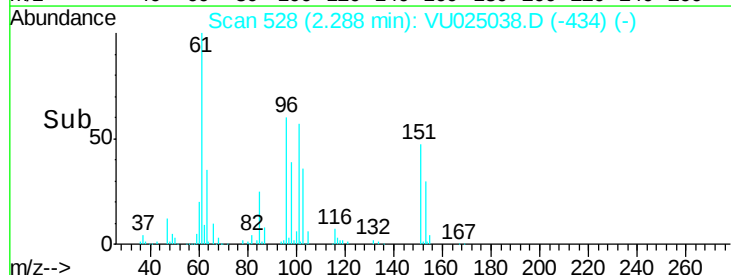
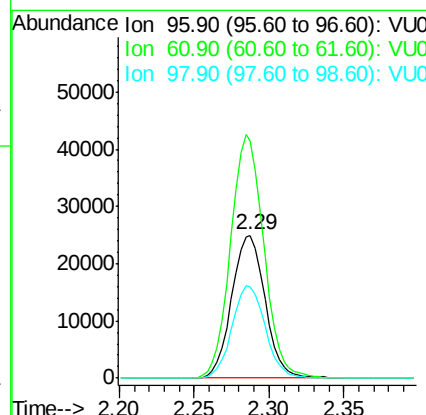
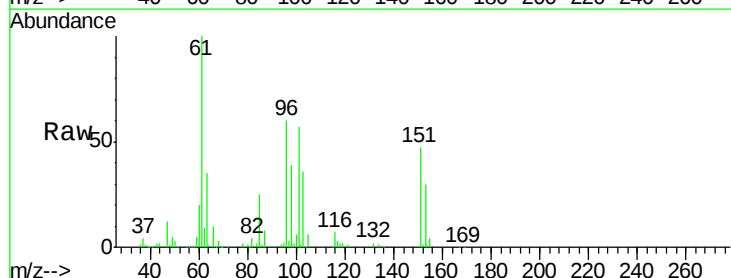
MMDadoda
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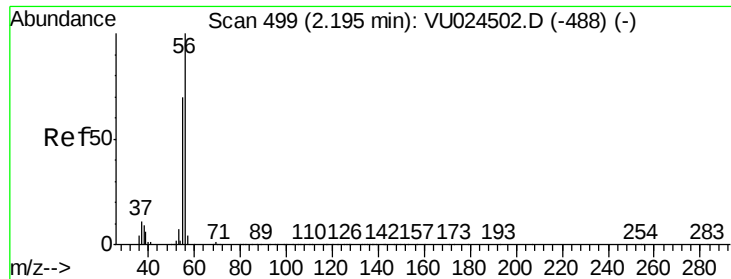


#12

1,1-Dichloroethene
 Concen: 19.33 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	141.7	212.5
98	64.2	51.6	77.4





#13

Acrolein

Concen: 61.19 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 56 Resp: 22503

Ion Ratio Lower Upper

56 100

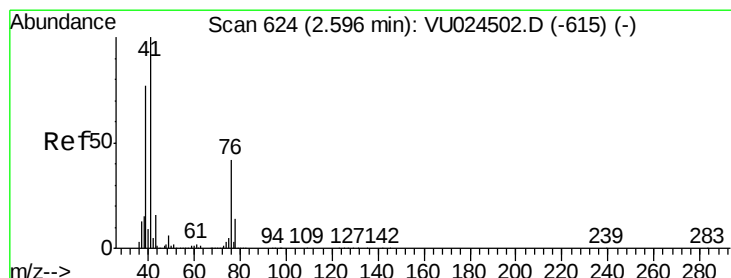
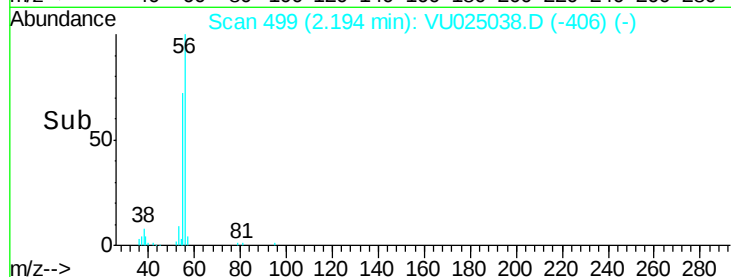
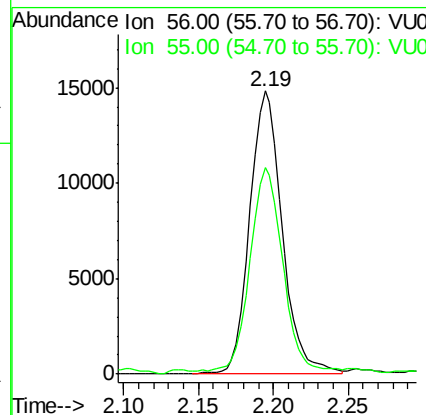
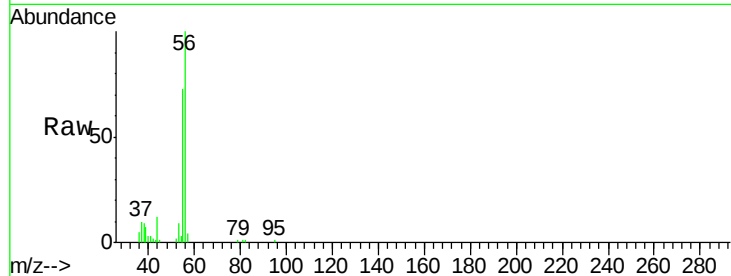
55 71.4 58.4 87.6

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 17.60 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

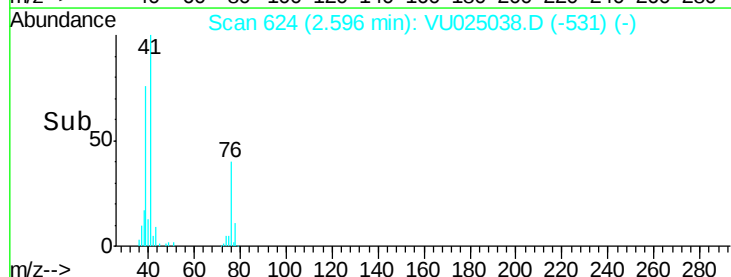
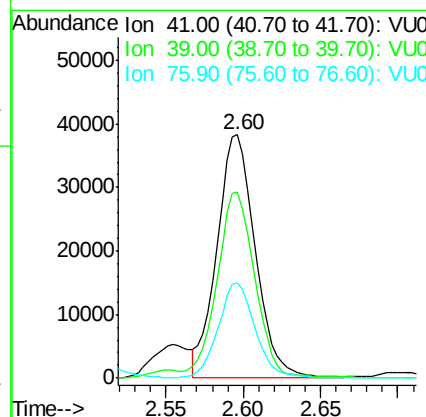
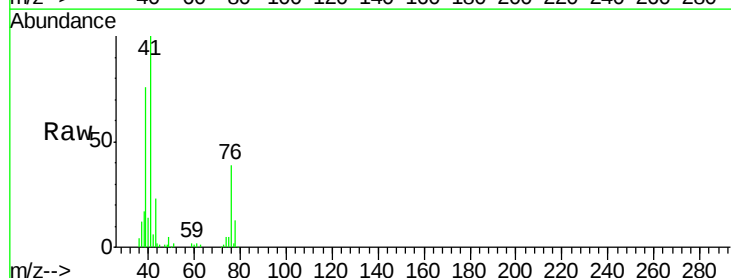
Tgt Ion: 41 Resp: 65622

Ion Ratio Lower Upper

41 100

39 74.6 61.6 92.4

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 102.43 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

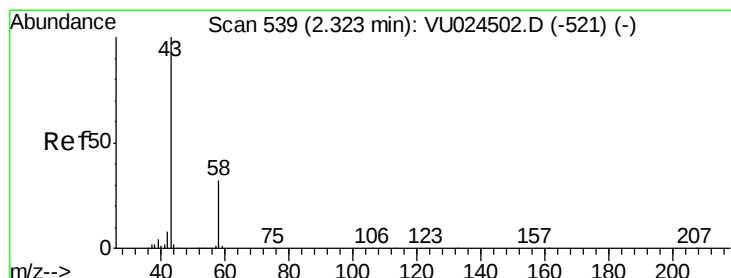
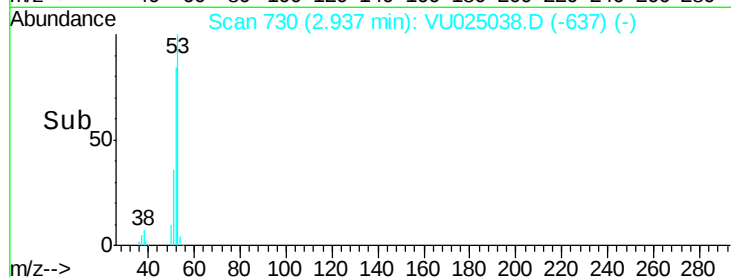
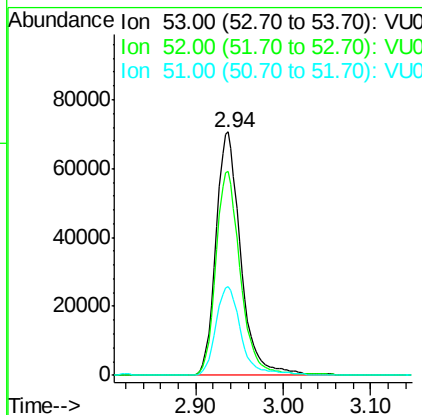
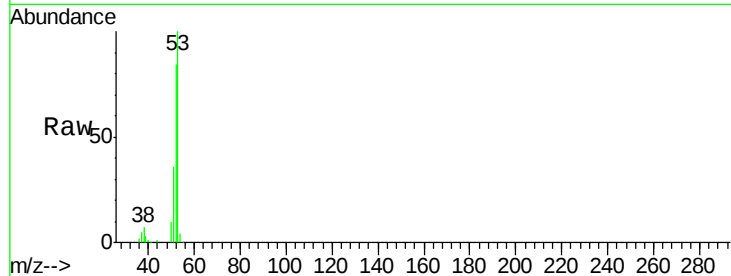
ClientSampleId :

VU0628MBS02

Tot Ion:	53	Resp:	139563
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.1	100.7
51	37.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 84.89 ug/l

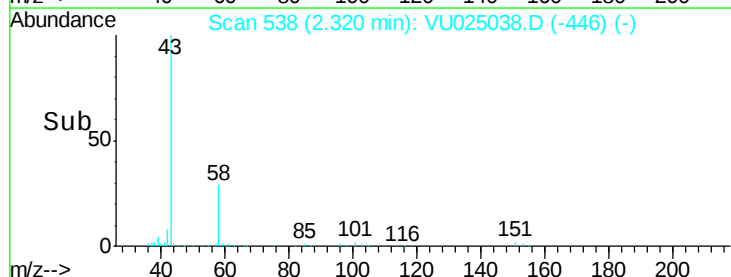
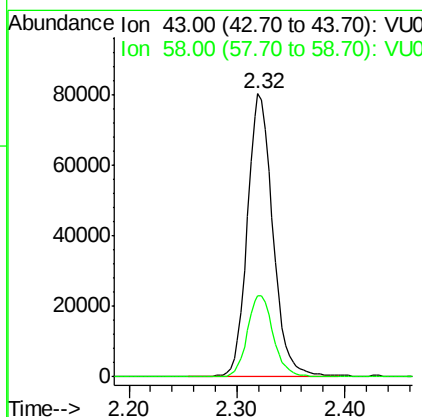
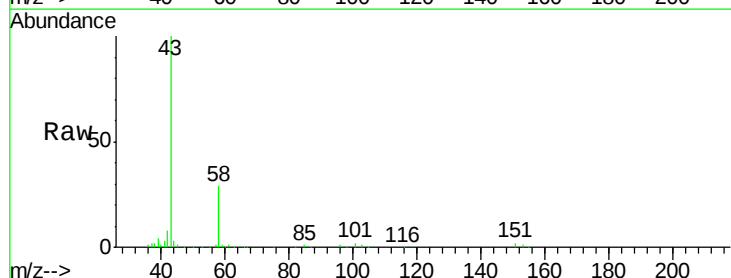
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	43	Resp:	131334
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.4	36.6





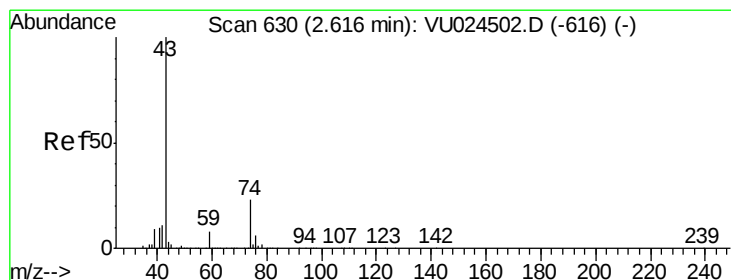
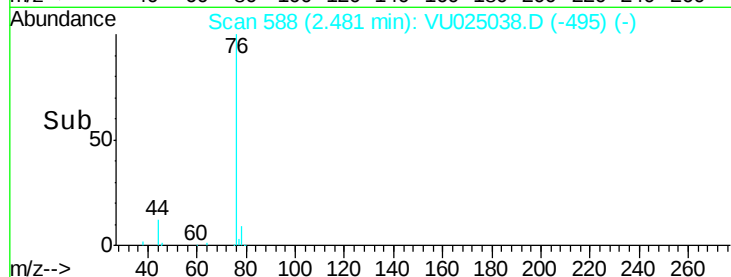
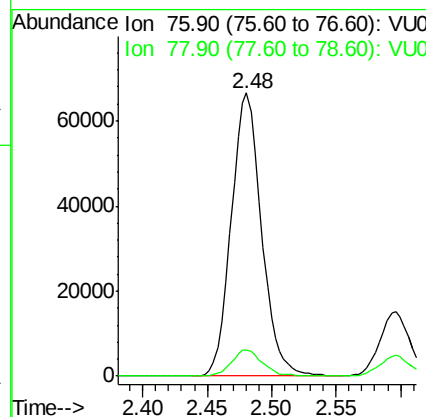
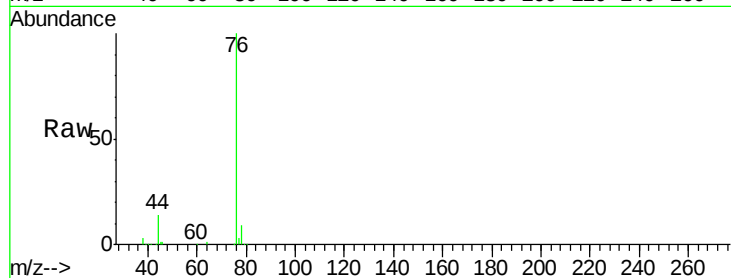
#17
Carbon Disulfide
Concen: 16.91 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

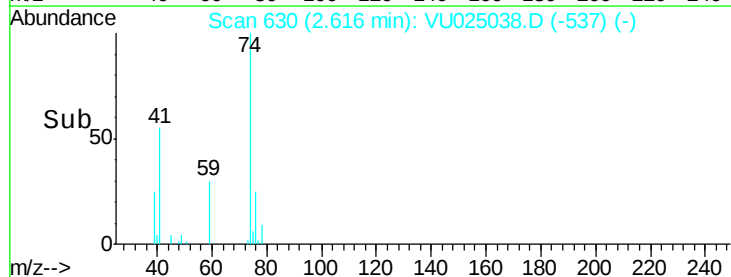
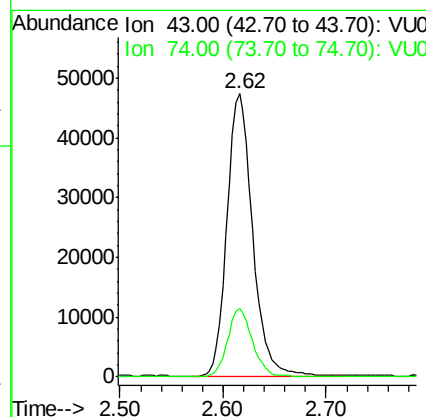
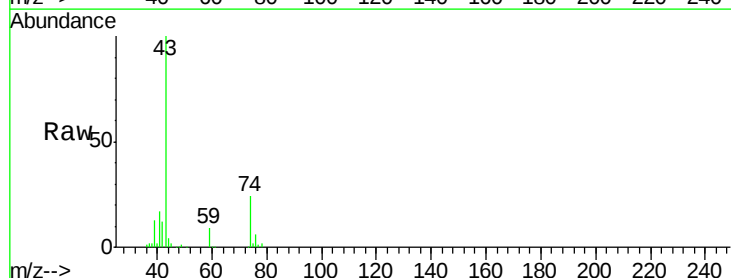
Manual Integrations
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#18
Methyl Acetate
Concen: 24.71 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.0	27.0





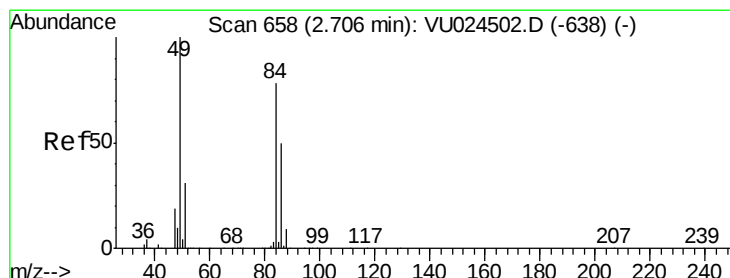
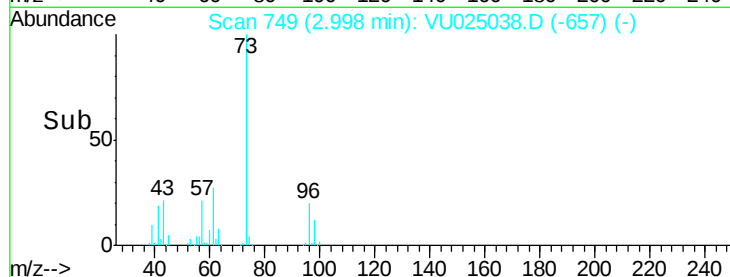
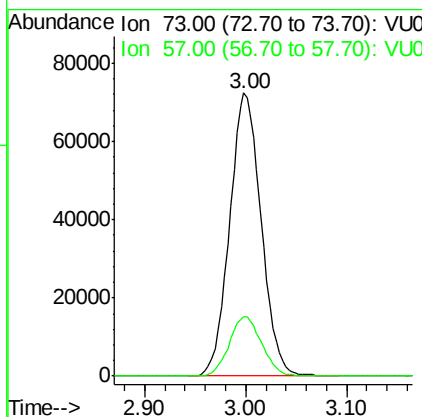
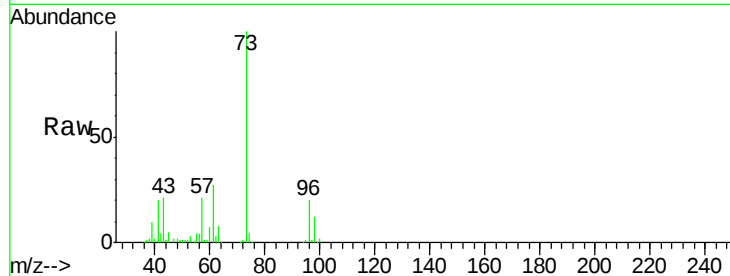
#19
Methvl tert-butvl Ether
Concen: 20.81 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion: 73 Resp: 157069
Ion Ratio Lower Upper
73 100
57 21.0 18.8 28.2

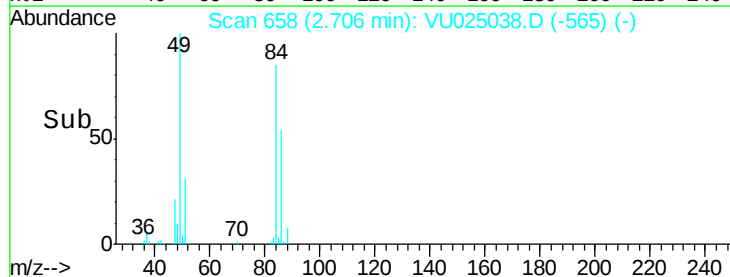
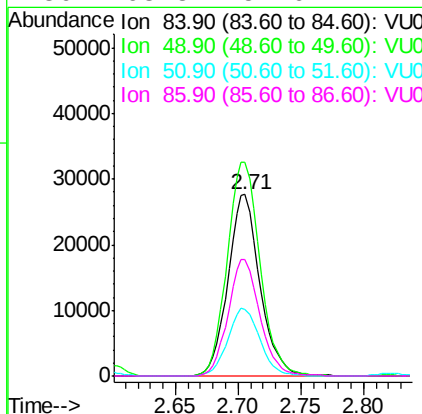
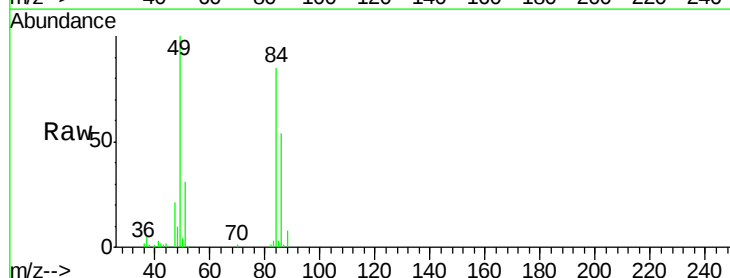
Manual Integrations
APPROVED

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6/29/2018 4:23:50 PM



#20
Methylene Chloride
Concen: 20.12 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion: 84 Resp: 48830
Ion Ratio Lower Upper
84 100
49 117.5 103.8 155.8
51 36.9 32.0 48.0
86 63.8 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 19.24 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

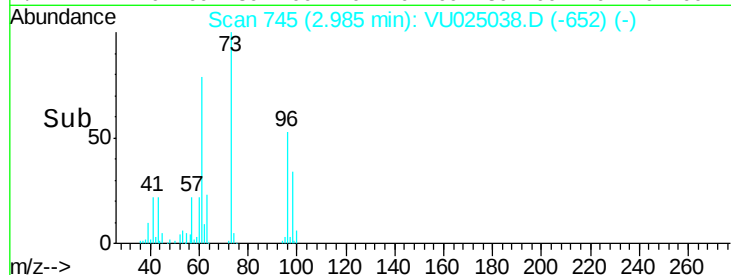
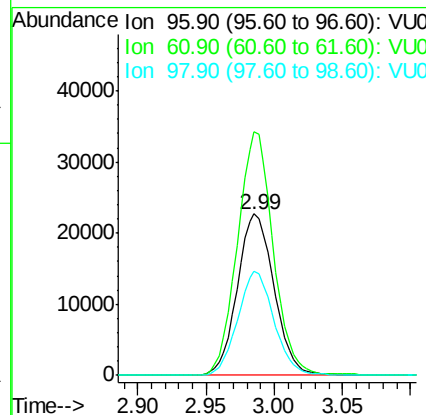
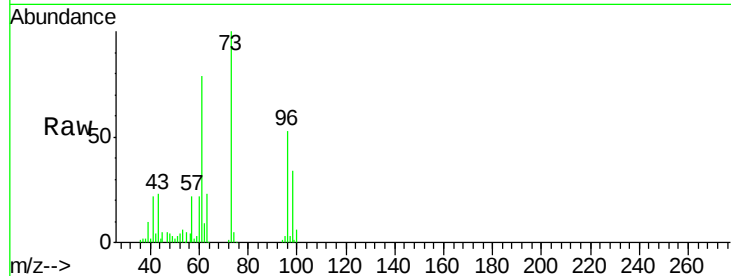
ClientSampleId :

VU0628MBS02

Tot Ion:	96	Resp:	42566
Ion	Ratio	Lower	Upper
96	100		
61	150.9	119.4	179.0
98	64.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.08 ug/l

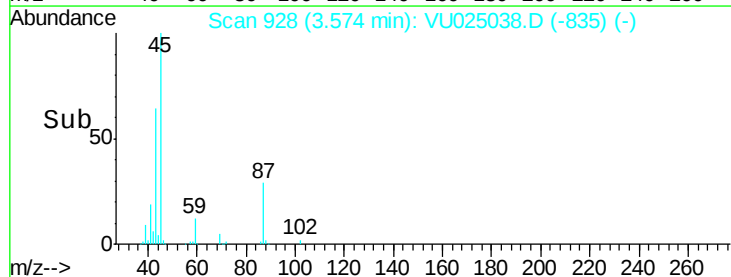
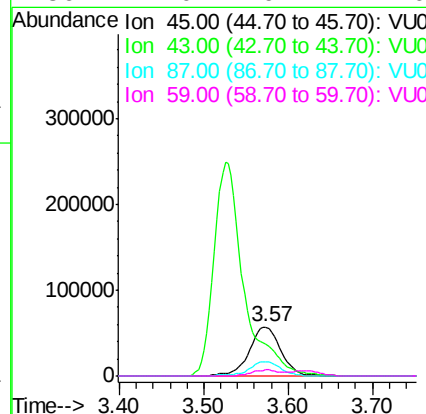
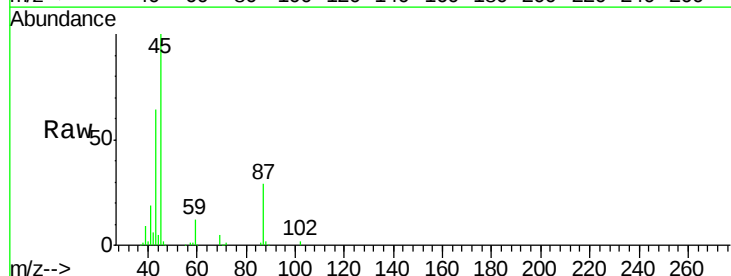
RT: 3.57 min Scan# 928

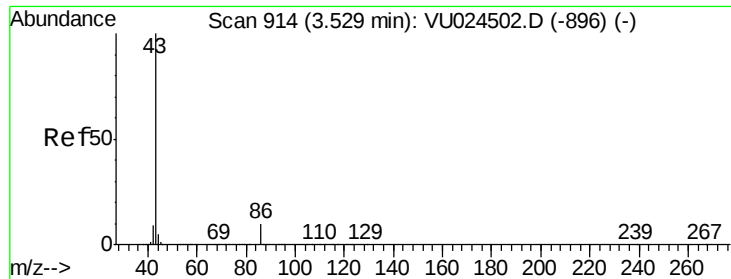
Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	45	Resp:	148445
Ion	Ratio	Lower	Upper
45	100		
43	63.3	45.8	68.6
87	28.8	20.6	31.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 92.97 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 43 Resp: 615636

Ion Ratio Lower Upper

43 100

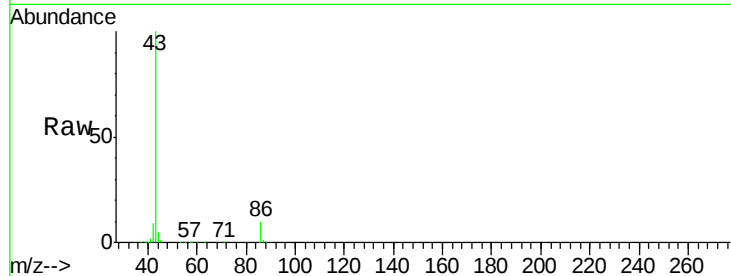
86 10.1 7.8 11.8

Manual Integrations

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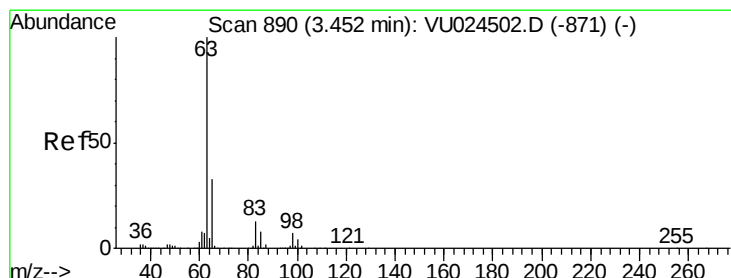
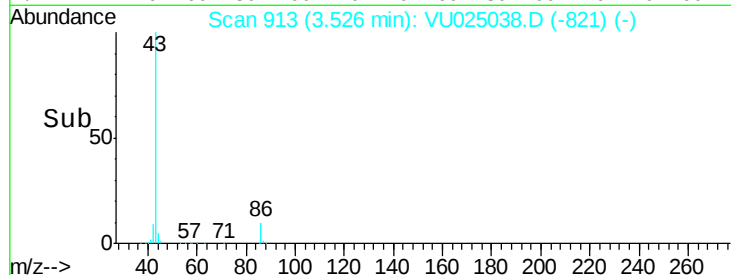
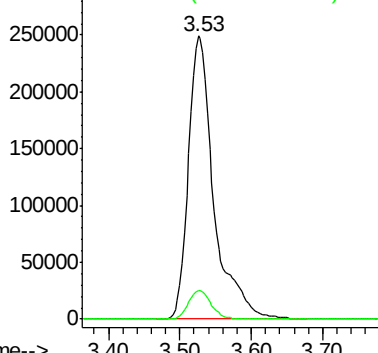
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.20 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

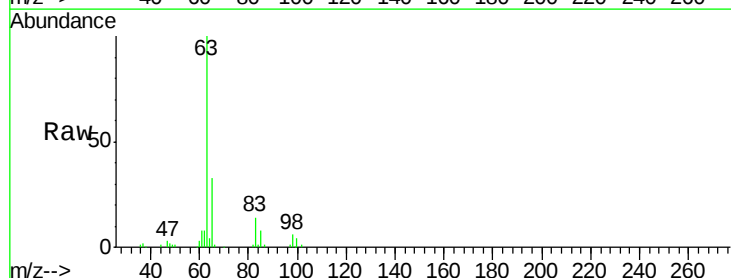
Tgt Ion: 63 Resp: 85913

Ion Ratio Lower Upper

63 100

98 5.7 3.5 10.4

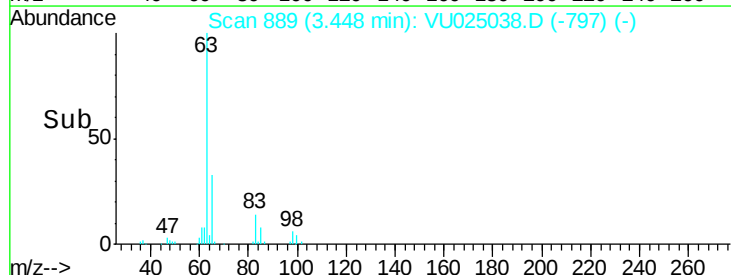
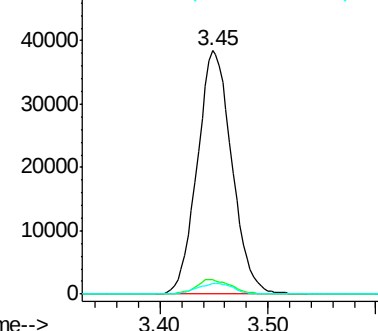
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





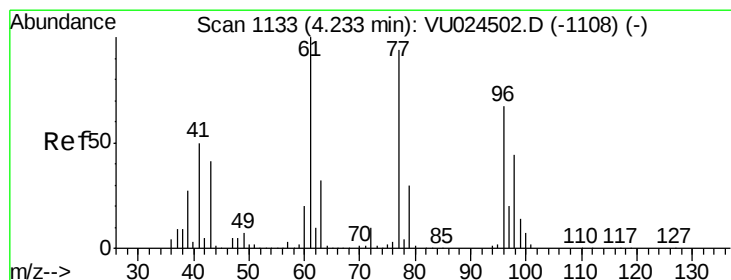
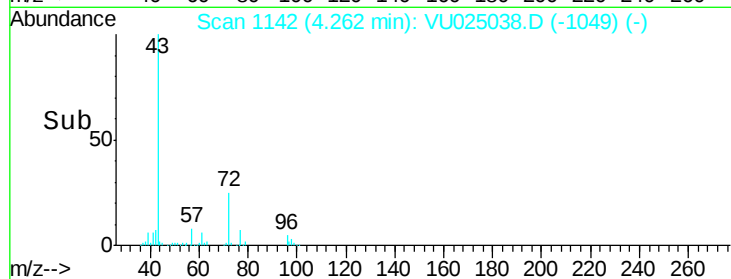
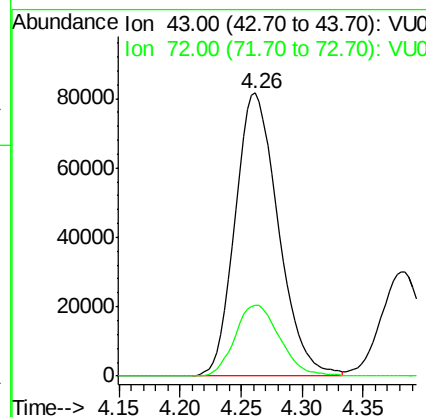
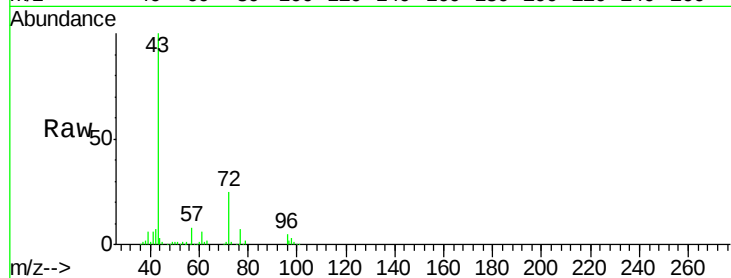
#25
2-Butanone
Concen: 95.76 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	43	Resp	198992
Ion Ratio	100	Lower	Upper
43	100		
72	25.1	19.6	29.4

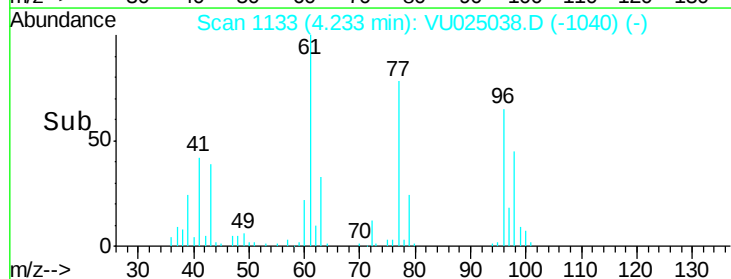
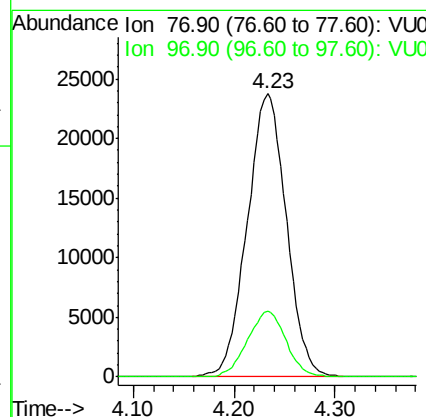
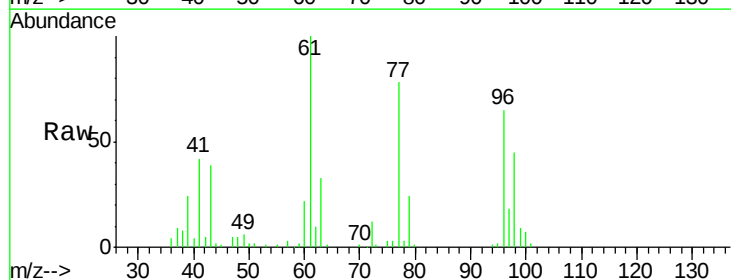
Manual Integrations
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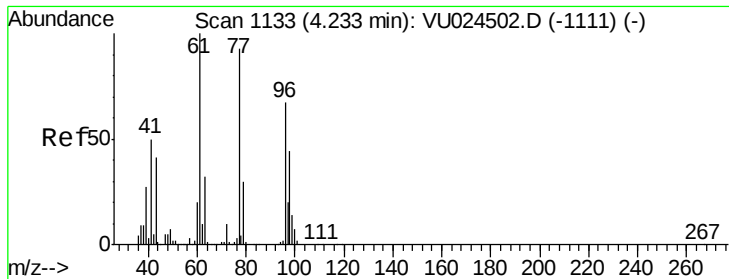
MMDadoda
6/29/2018 4:23:50 PM



#26
2,2-Dichloropropane
Concen: 15.82 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	77	Resp	63887
Ion Ratio	100	Lower	Upper
77	100		
97	22.8	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

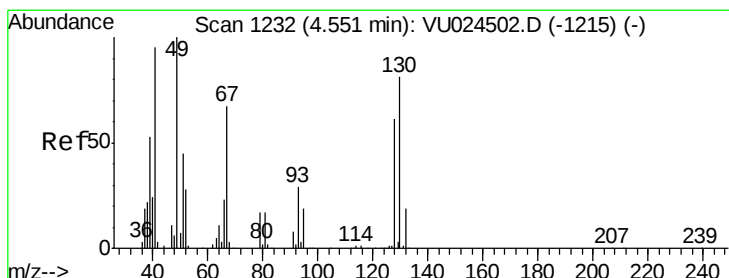
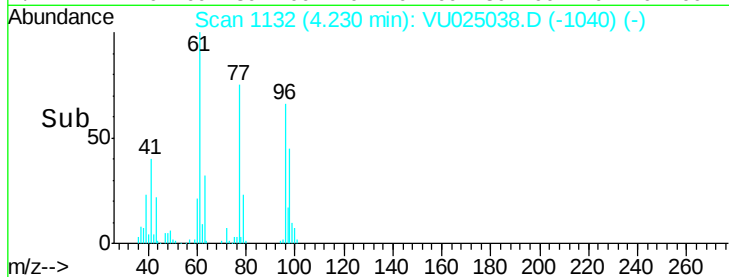
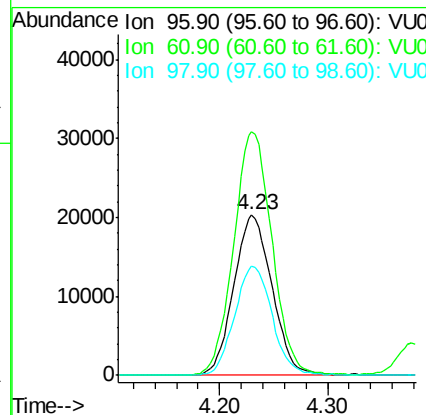
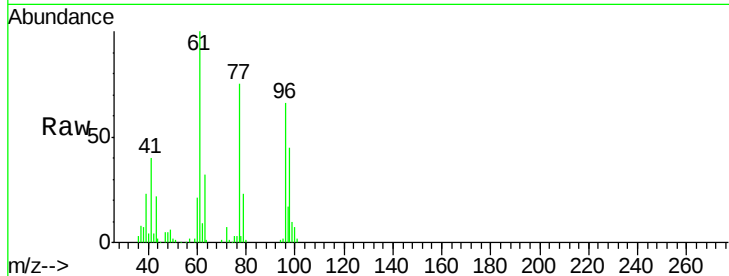
ClientSampleId :

VU0628MBS02

Tot Ion:	96	Resp:	50209
Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	306.6
98	66.6	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 21.21 ug/l

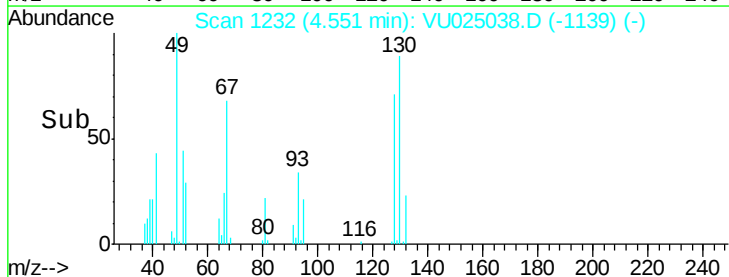
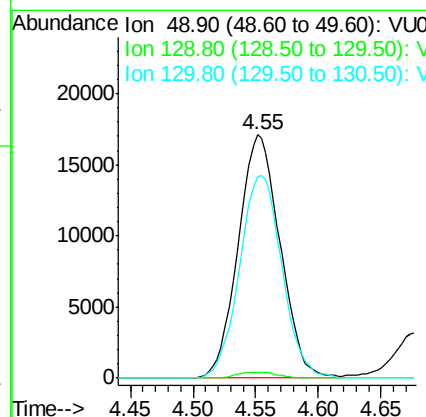
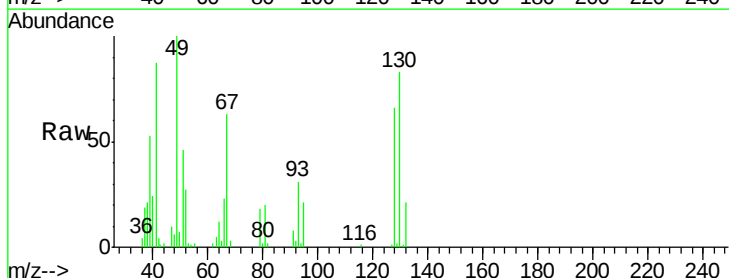
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	49	Resp:	39736
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	84.2	57.8	86.6





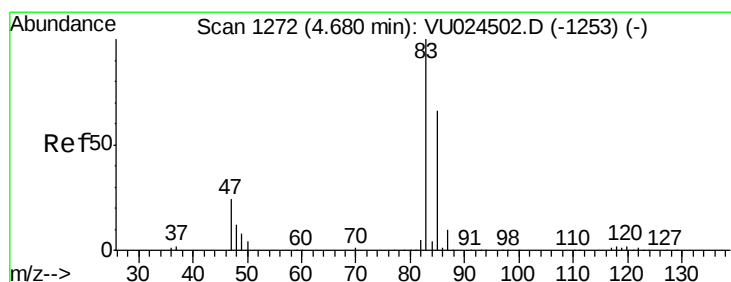
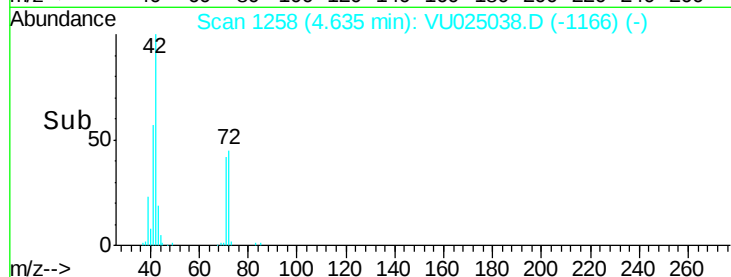
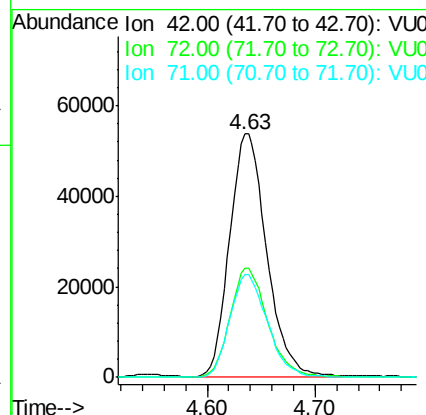
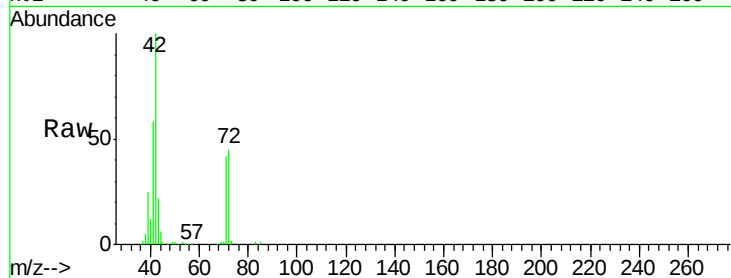
#29
Tetrahydrofuran
Concen: 99.64 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	43.0	32.2	48.4

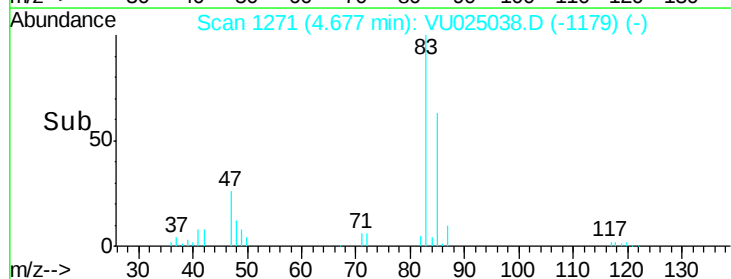
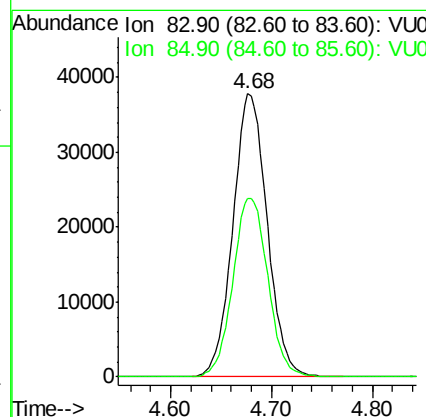
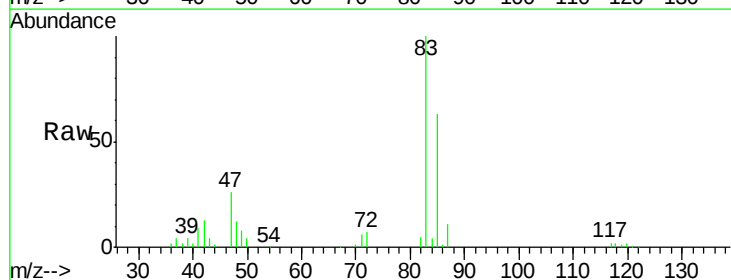
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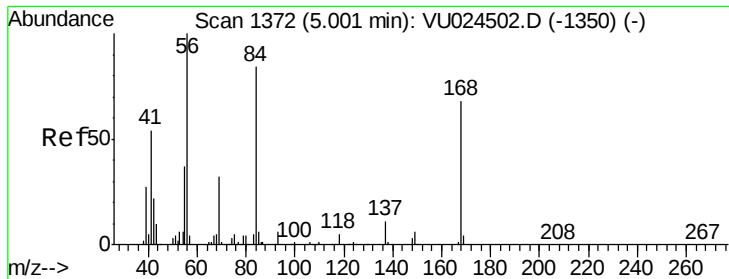
MMDadoda
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#30
Chloroform
Concen: 20.74 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6





#31

Cyclohexane

Concen: 19.65 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

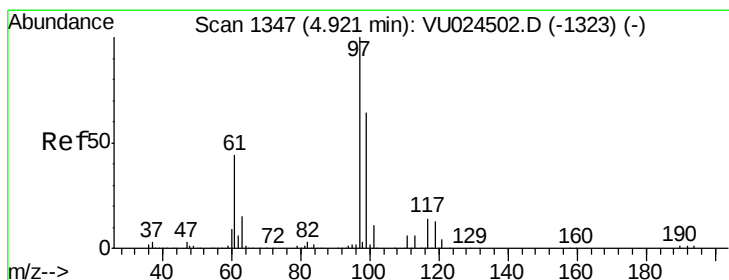
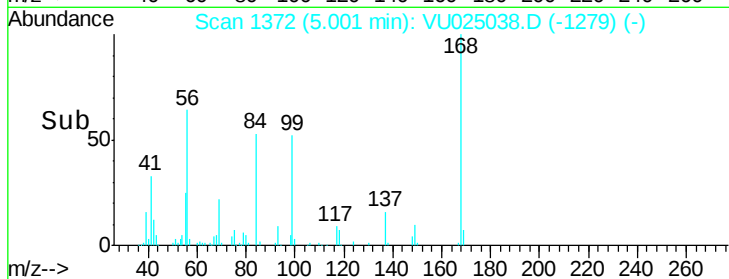
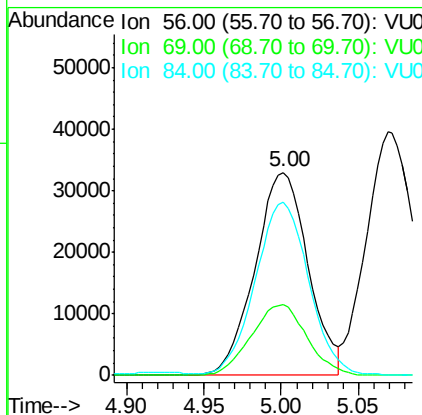
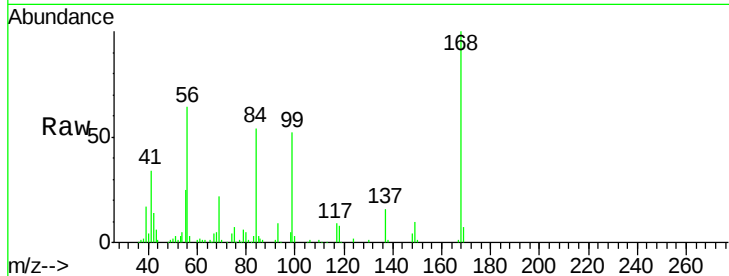
ClientSampled :

VU0628MBS02

Tot Ion:	56	Resp:	78725
Ion Ratio	Lower	Upper	
56	100		
69	34.6	24.8	37.2
84	84.5	65.2	97.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.35 ug/l

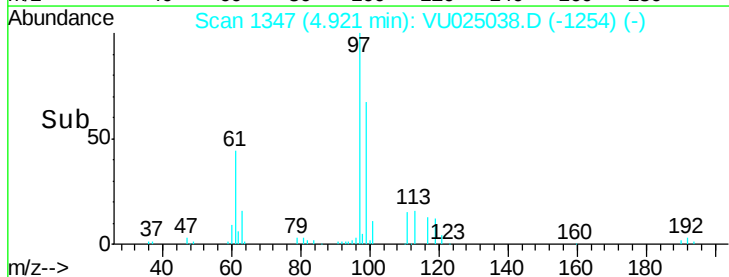
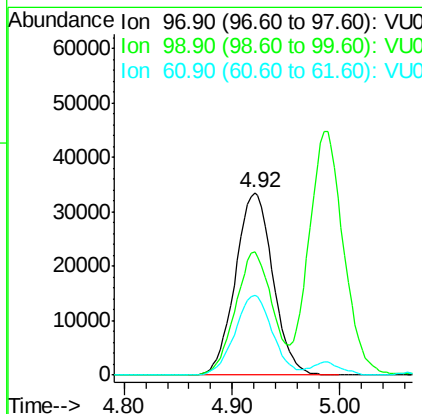
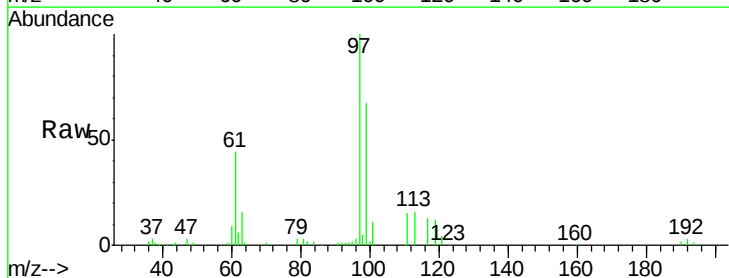
RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	97	Resp:	81001
Ion Ratio	Lower	Upper	
97	100		
99	66.8	51.0	76.6
61	43.7	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 49.13 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tot Ion: 65 Resp: 141463

Ion Ratio Lower Upper

65 100

67 50.4 0.0 107.0

Instrument :

MSVOA_U

ClientSampleId :

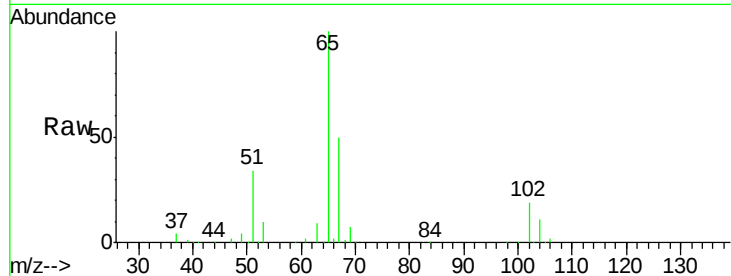
VU0628MBS02

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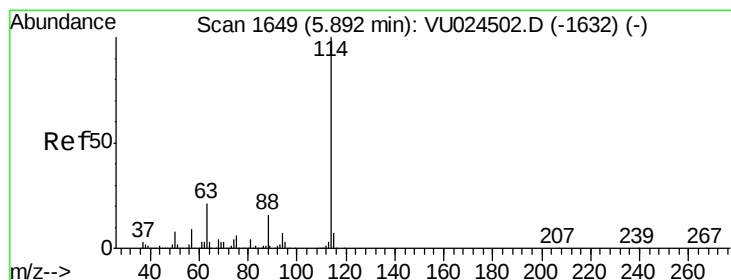
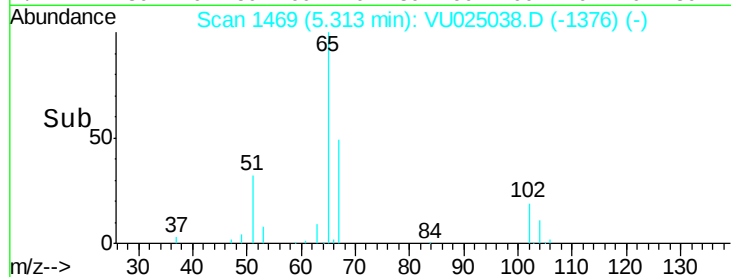
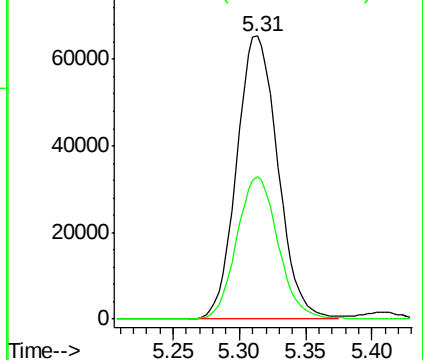
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Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

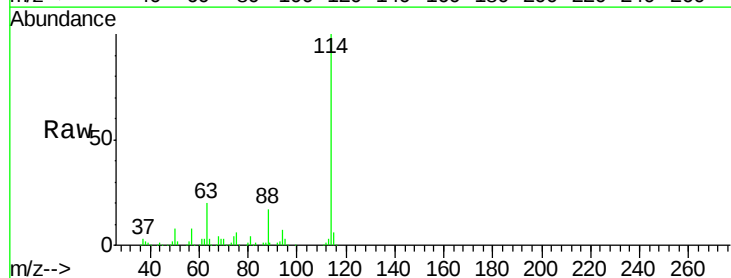
Tgt Ion: 114 Resp: 274011

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

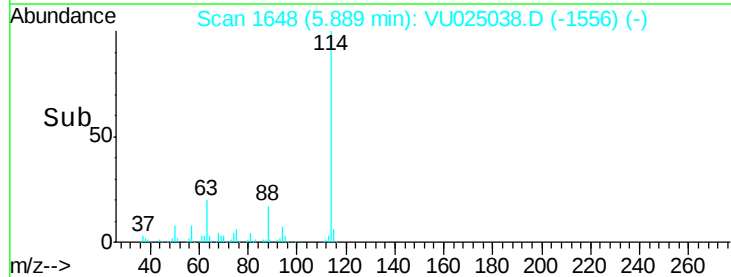
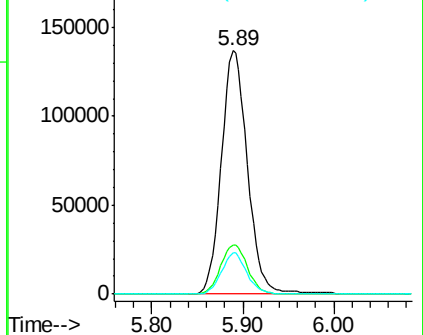
88 16.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 49.29 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

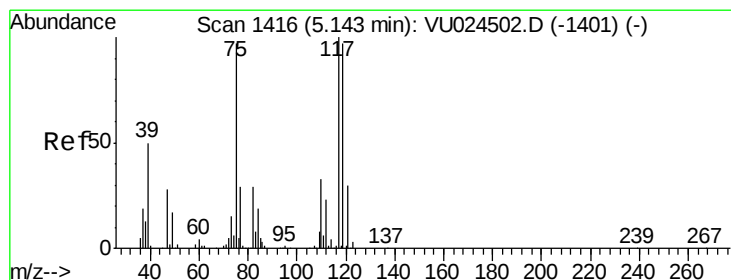
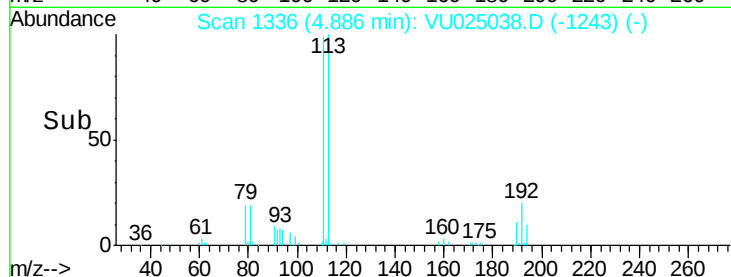
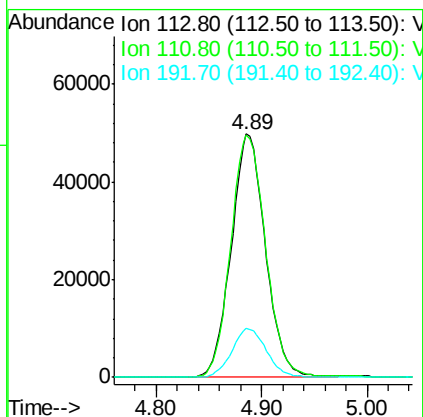
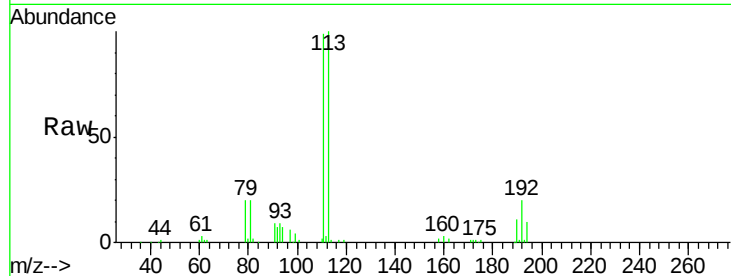
ClientSampleId :

VU0628MBS02

Tot Ion:	113	Resp:	112095
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.2	123.4
192	20.1	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 19.47 ug/l

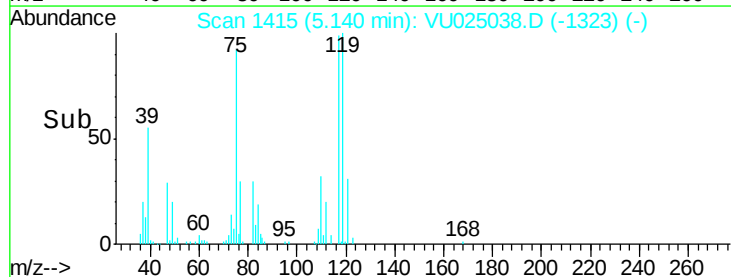
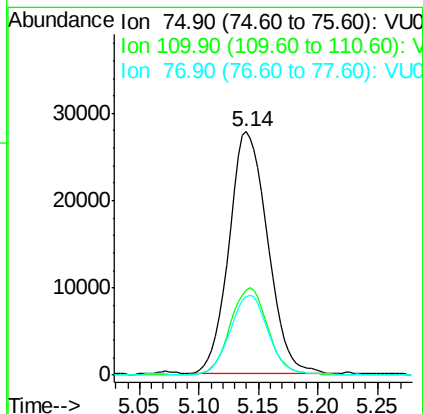
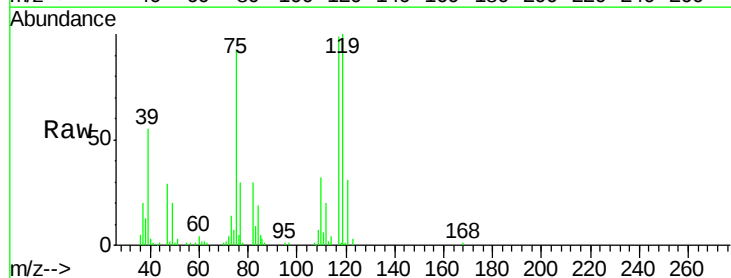
RT: 5.14 min Scan# 1415

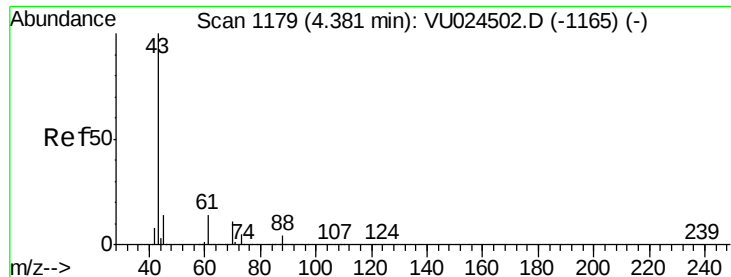
Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	75	Resp:	62681
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.0	50.9
77	32.5	24.2	36.4





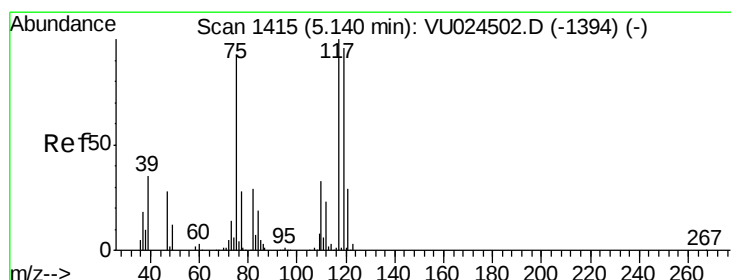
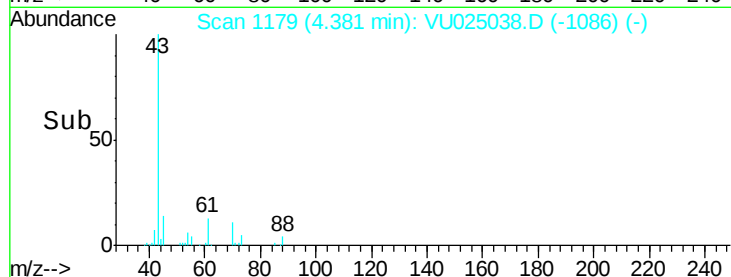
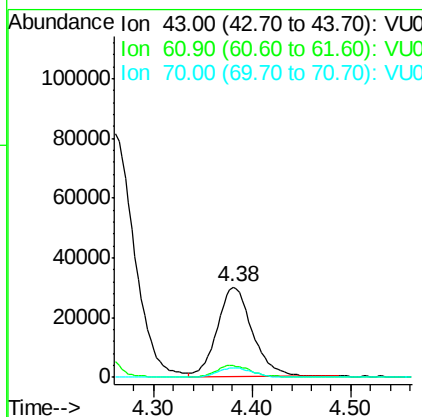
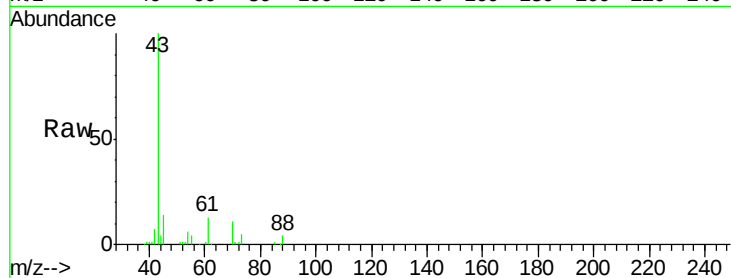
#37
Ethyl Acetate
Concen: 21.15 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	10.8	7.4	11.2

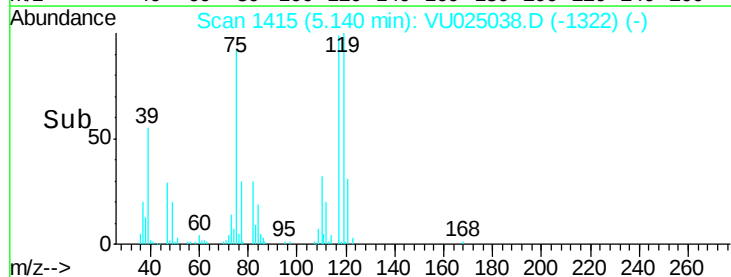
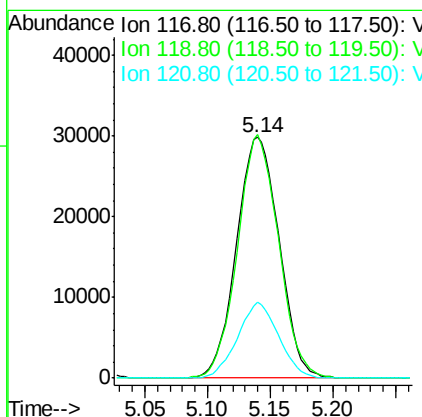
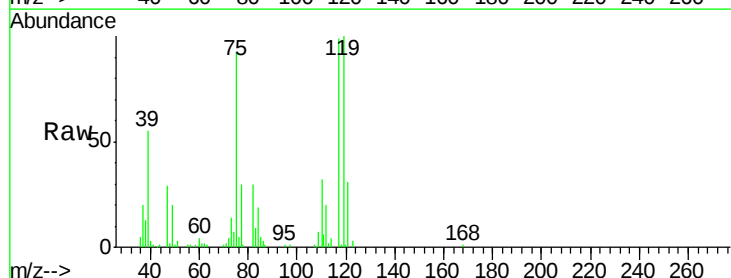
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.90 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.0	76.1	114.1
121	31.3	23.7	35.5





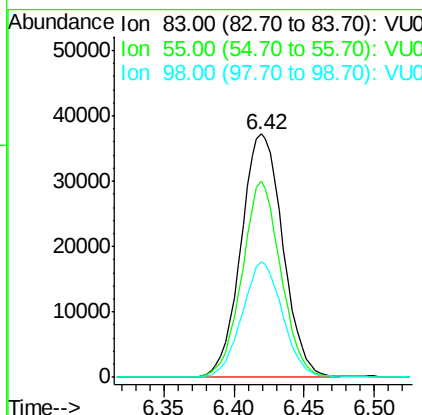
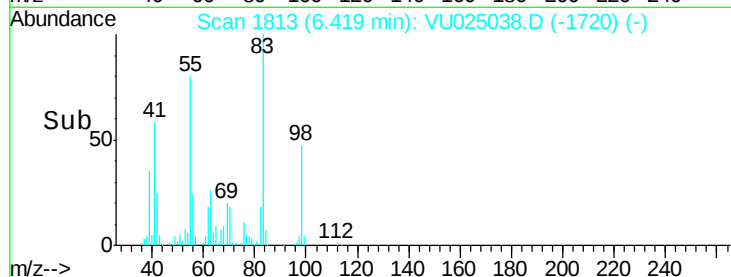
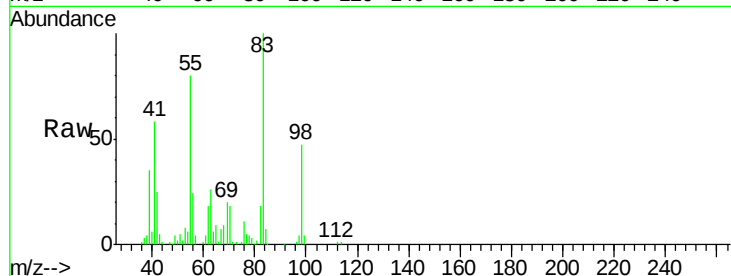
#39
Methvlcvclohexane
Concen: 19.25 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	65.8	98.6
98	47.5	36.7	55.1

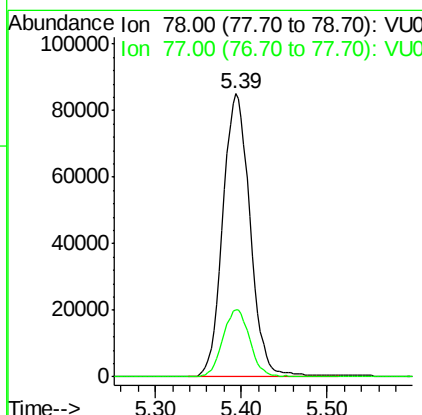
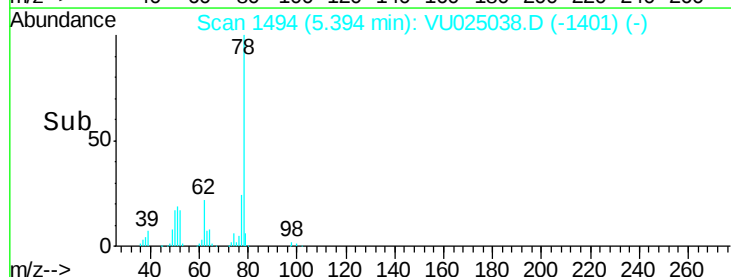
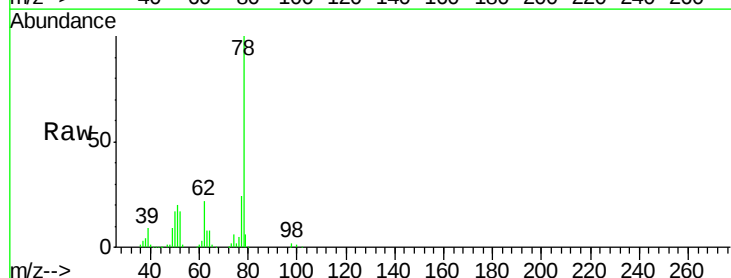
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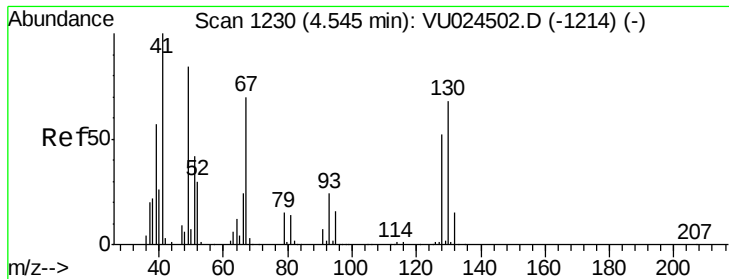
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#40
Benzene
Concen: 20.52 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





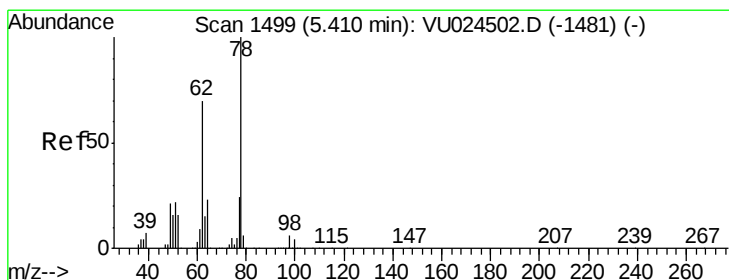
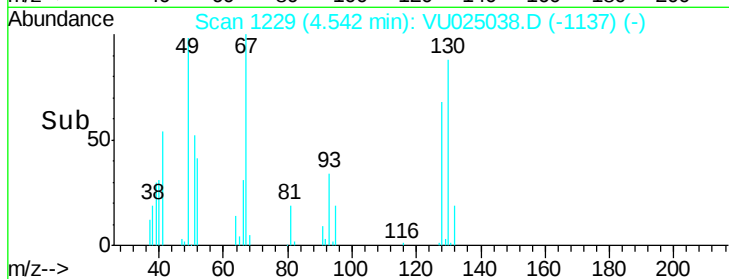
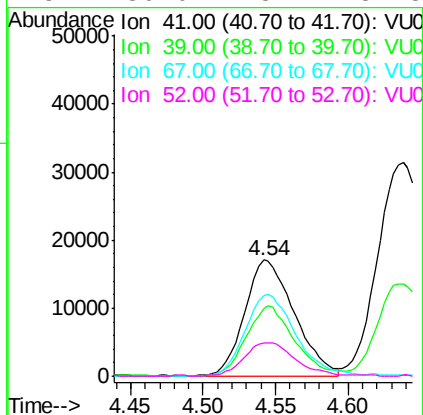
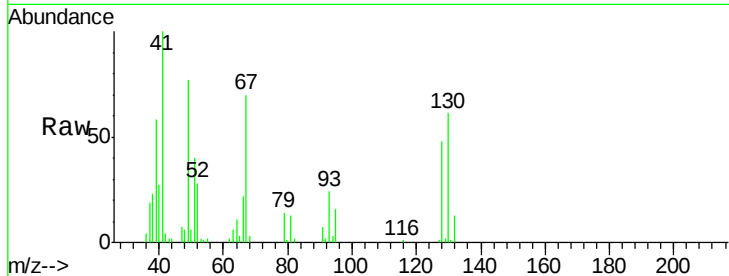
#41
Methacrylonitrile
Concen: 21.58 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.8	65.6
67	71.3	56.3	84.5
52	30.0	23.2	34.8

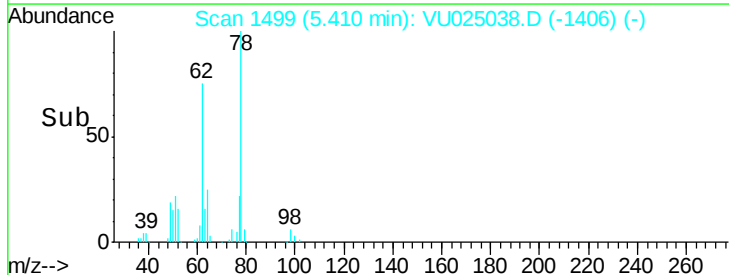
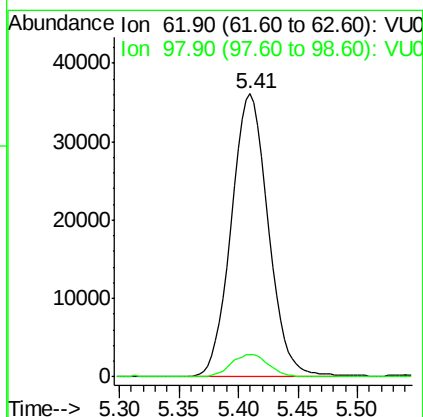
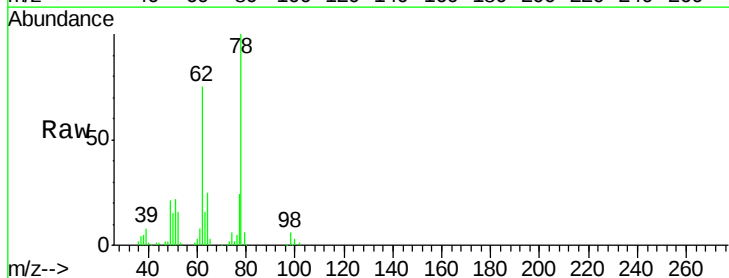
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#42
1,2-Dichloroethane
Concen: 22.28 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





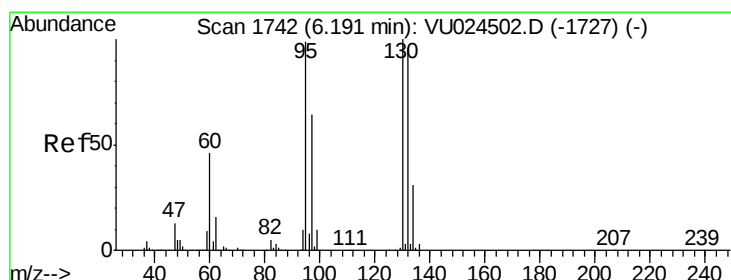
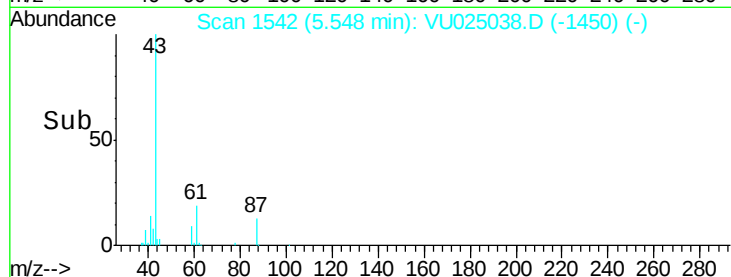
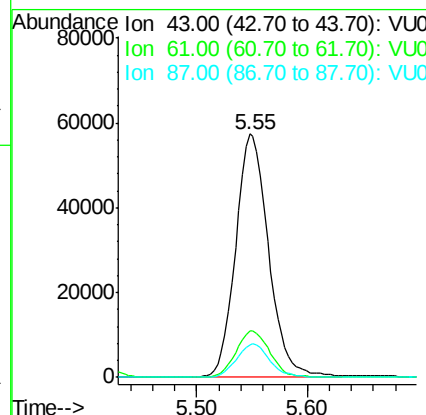
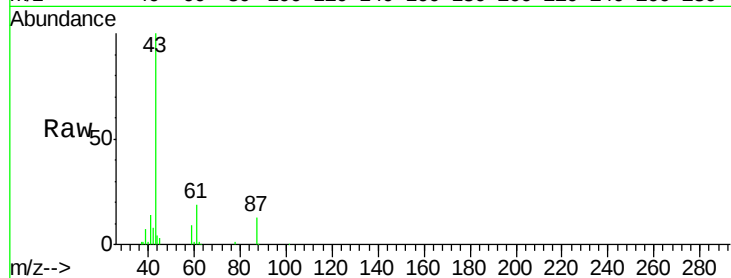
#43
Isopropyl Acetate
Concen: 19.60 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.8	10.0	15.0

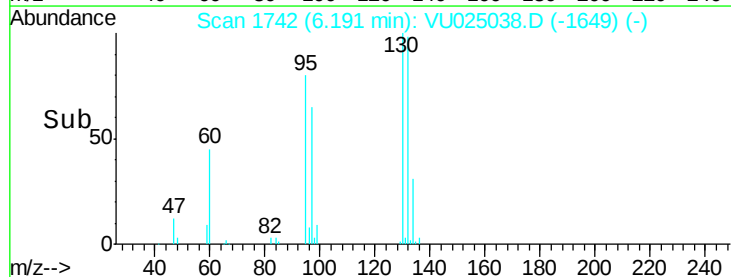
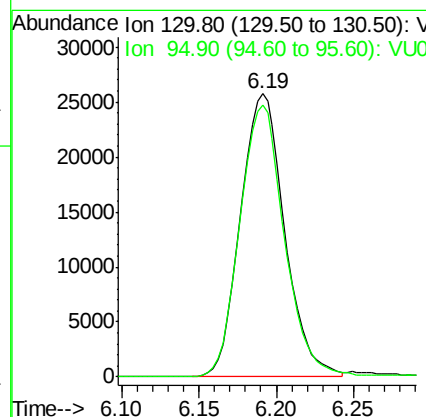
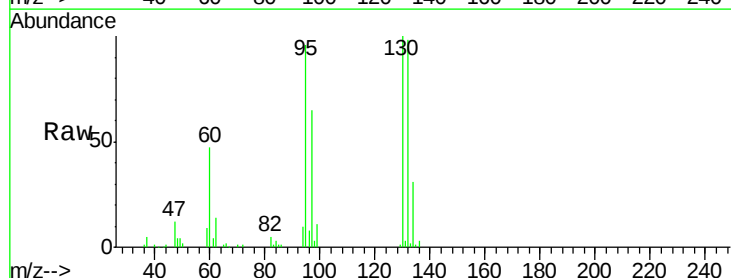
Manual Integrations
APPROVED

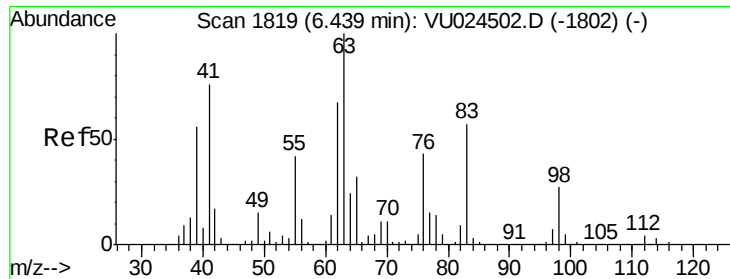
MMDadoda
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#44
Trichloroethene
Concen: 19.57 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





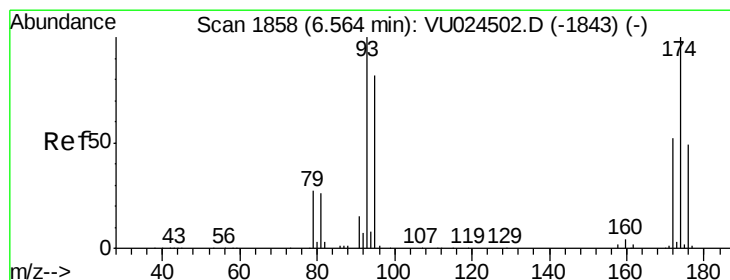
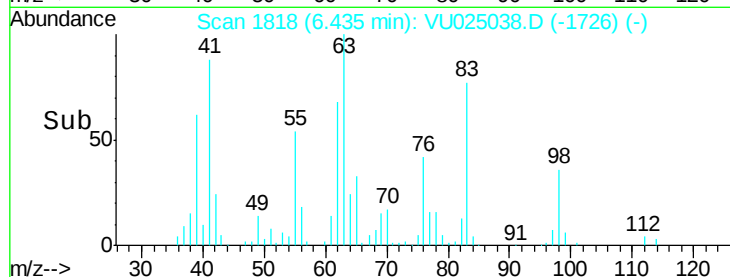
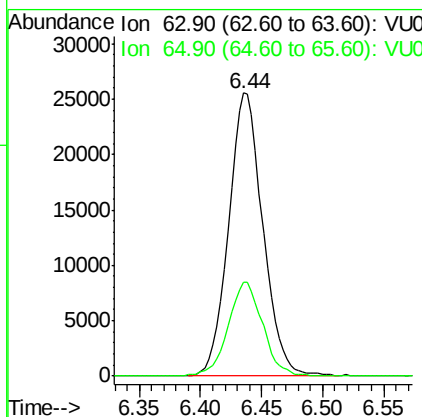
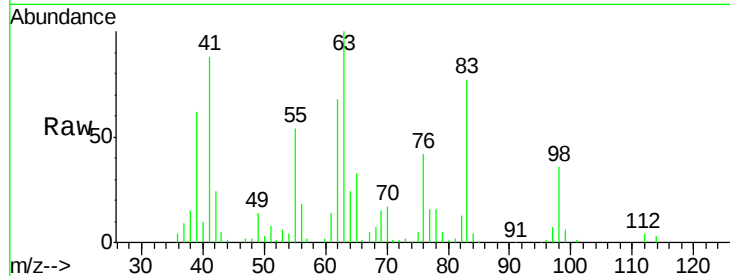
#45
 1,2-Dichloropropane
 Concen: 20.38 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion: 63 Resp: 49895
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.8 37.2

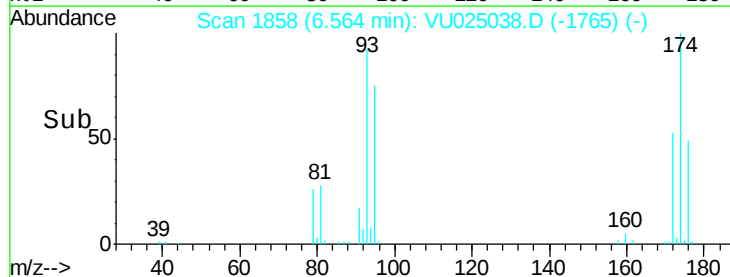
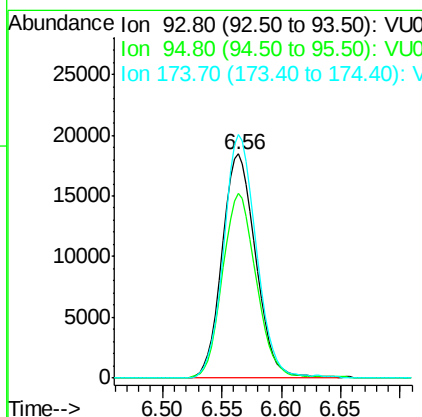
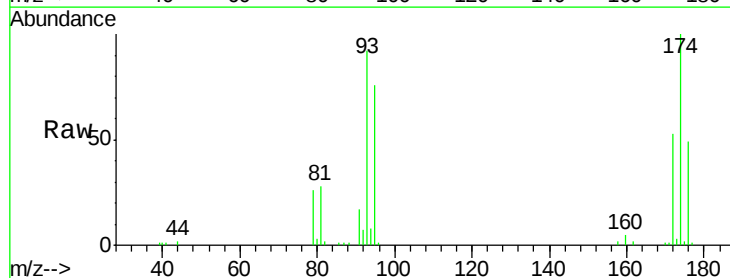
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.08 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion: 93 Resp: 36249
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.5 98.3
 174 105.2 78.7 118.1





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

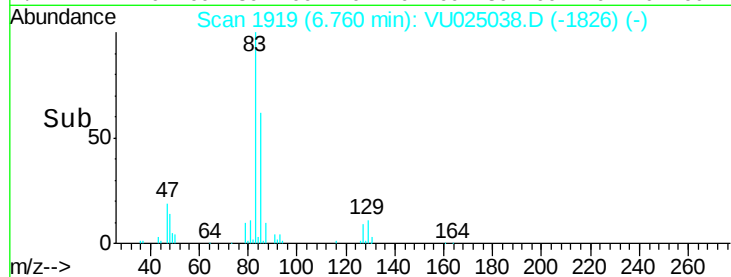
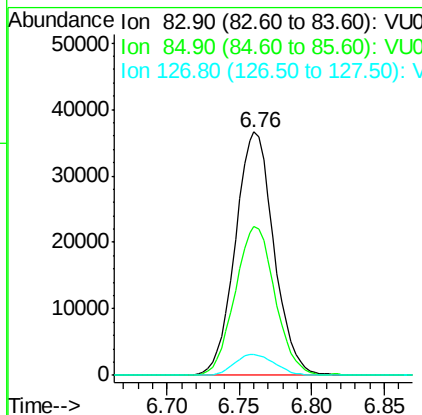
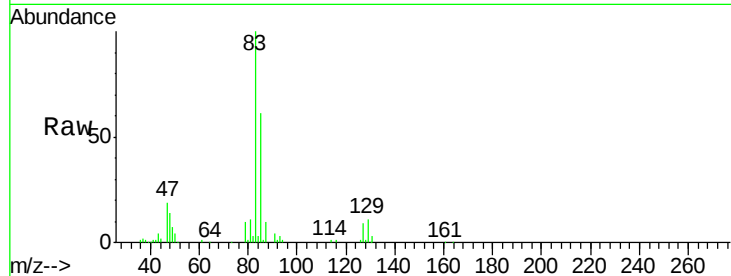
ClientSampleId :

VU0628MBS02

Tot Ion:	83	Resp:	67632
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.9	77.9
127	8.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.67 ug/l

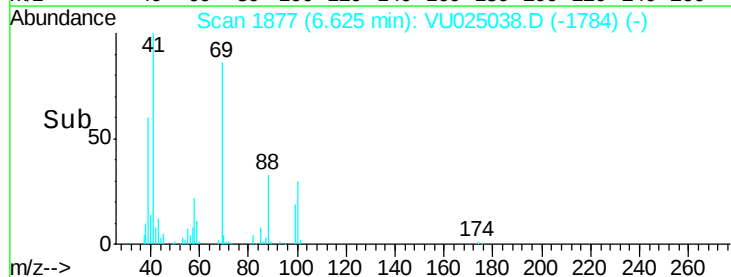
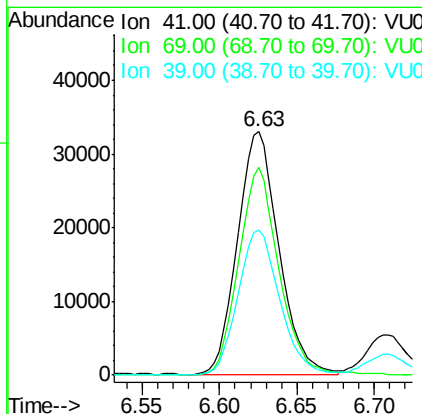
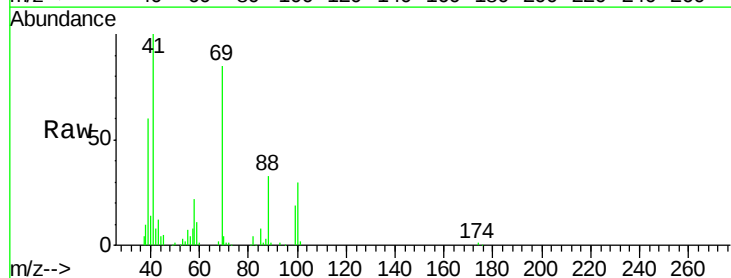
RT: 6.63 min Scan# 1877

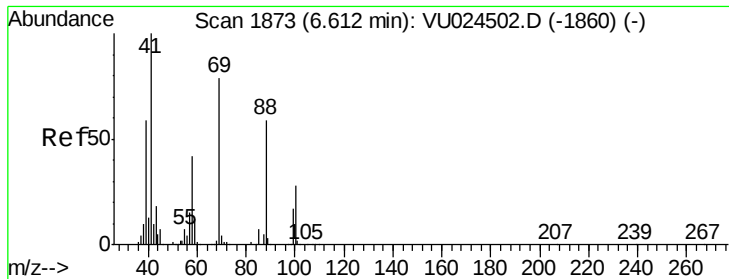
Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	41	Resp:	61063
Ion	Ratio	Lower	Upper
41	100		
69	83.7	67.3	100.9
39	60.7	46.5	69.7





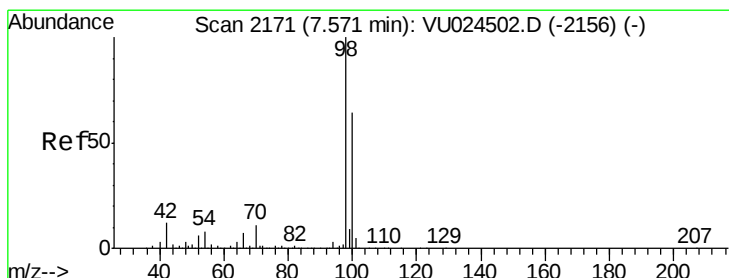
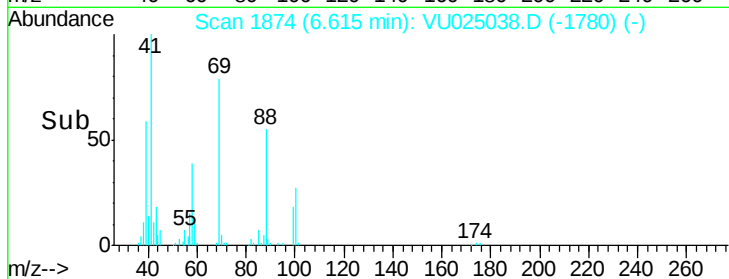
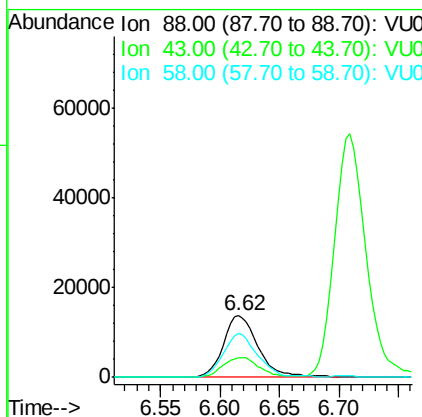
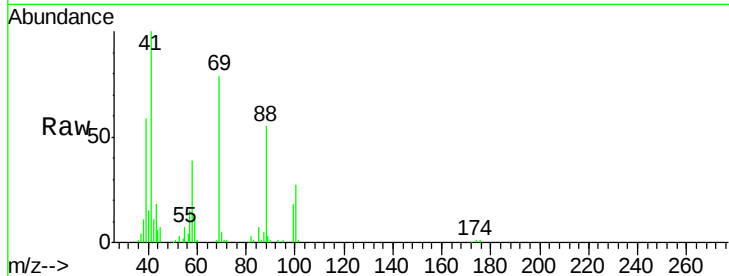
#49
1,4-Dioxane
Concen: 480.94 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	28.6	42.8
58	68.8	58.2	87.4

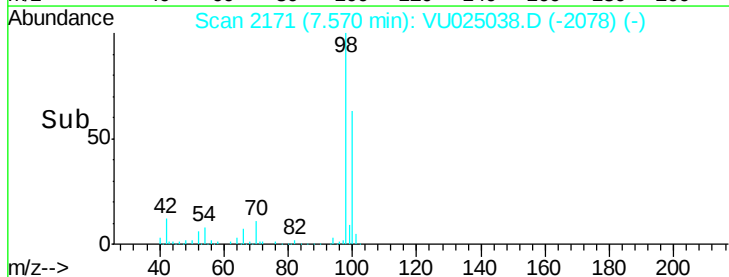
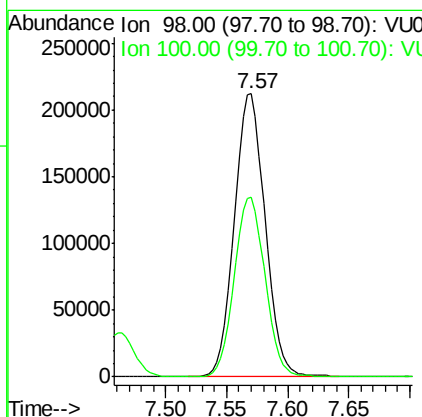
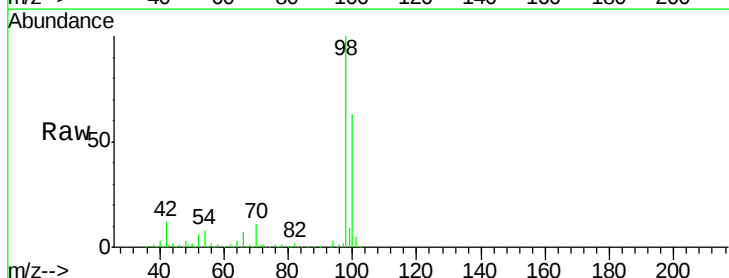
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#50
Toluene-d8
Concen: 44.84 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 101.30 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 43 Resp: 386071

Ion Ratio Lower Upper

43 100

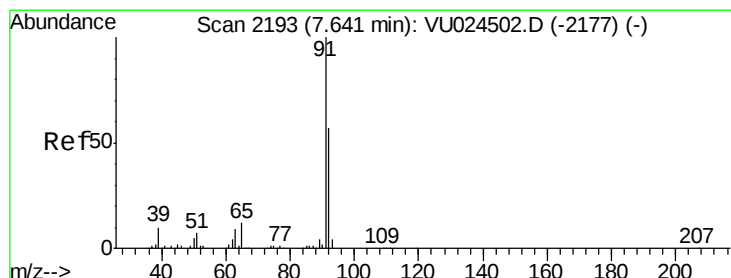
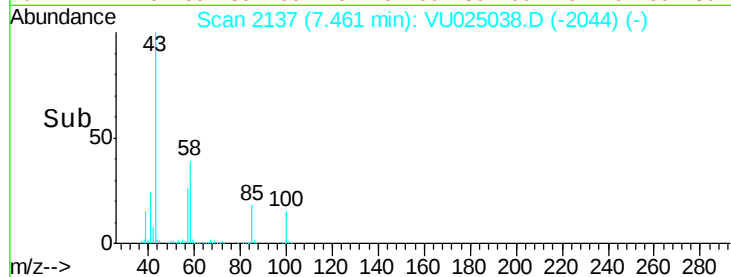
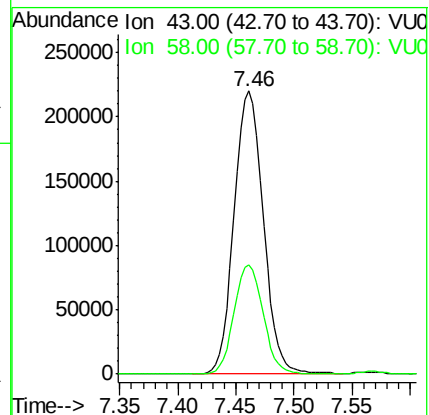
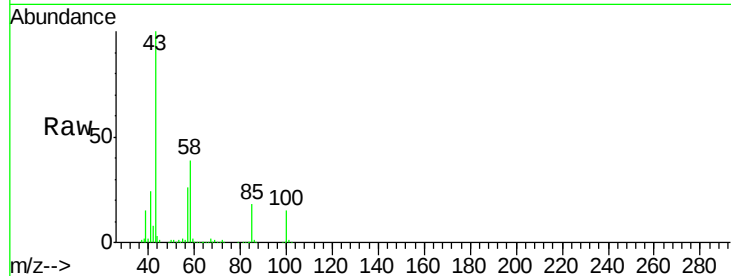
58 38.4 30.0 45.0

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#52

Toluene

Concen: 19.98 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025038.D

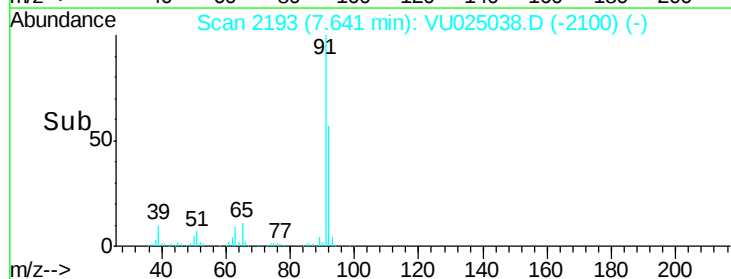
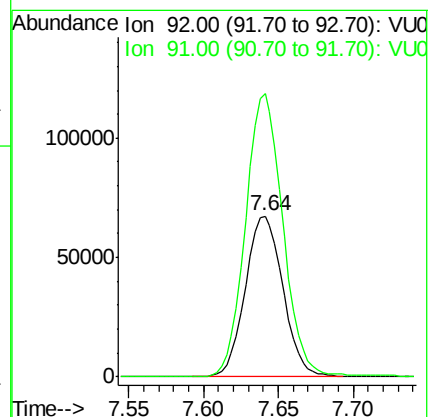
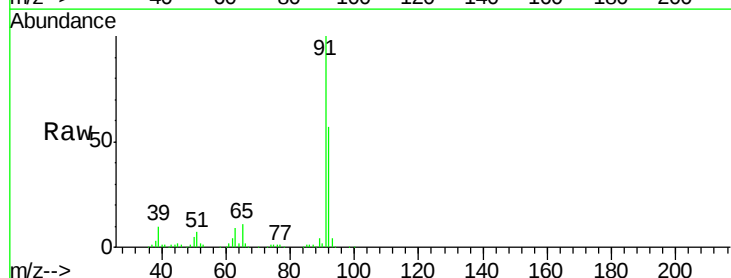
Acq: 28 Jun 2018 23:09

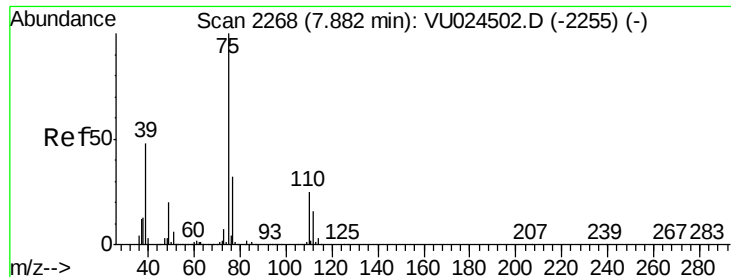
Tgt Ion: 92 Resp: 117949

Ion Ratio Lower Upper

92 100

91 175.1 140.5 210.7





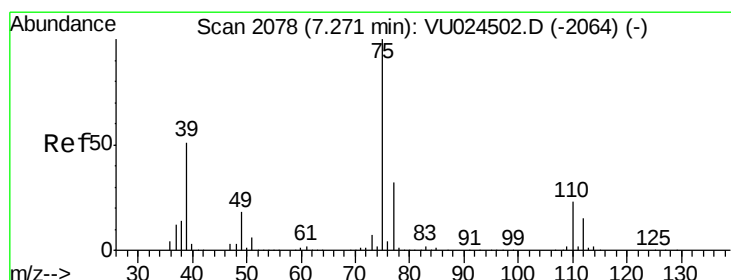
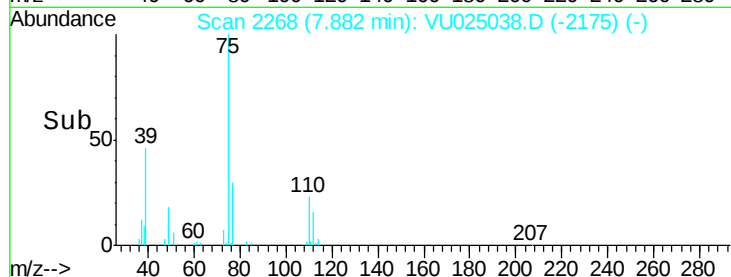
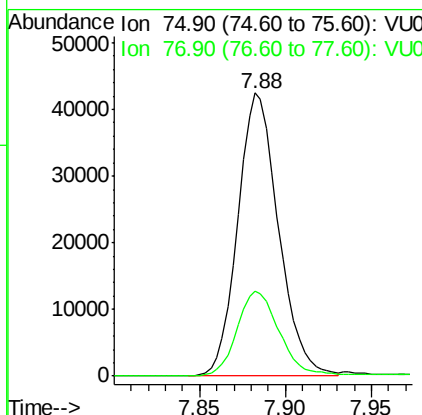
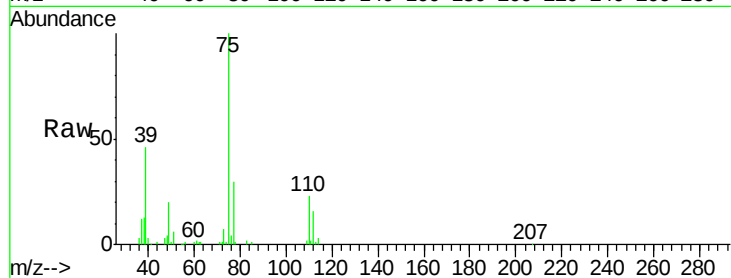
#53
t-1,3-Dichloropropene
Concen: 18.17 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2

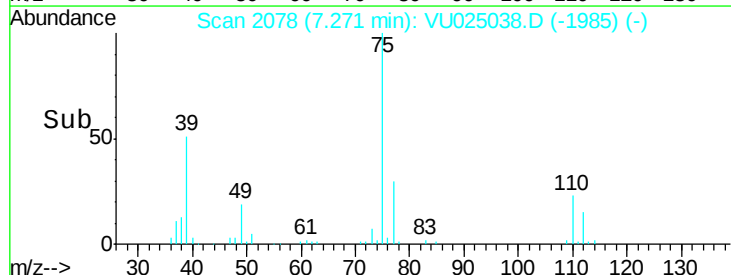
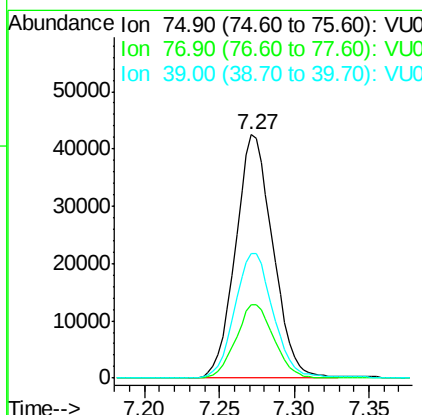
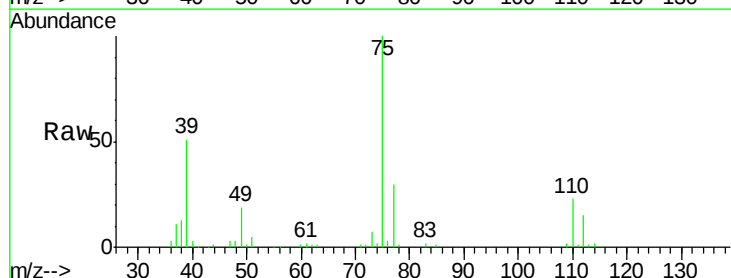
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#54
cis-1,3-Dichloropropene
Concen: 18.01 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.6	36.8
39	51.1	39.8	59.6





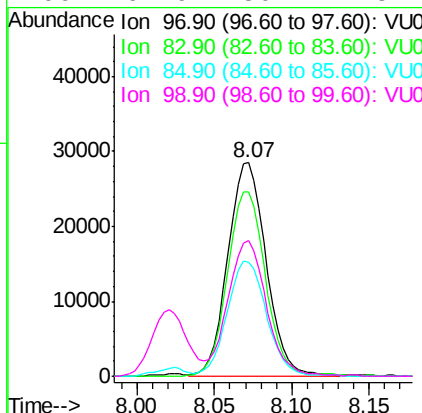
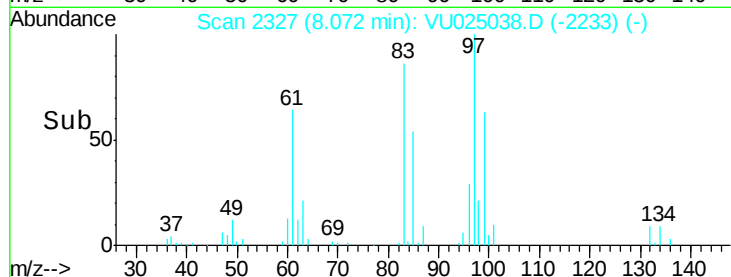
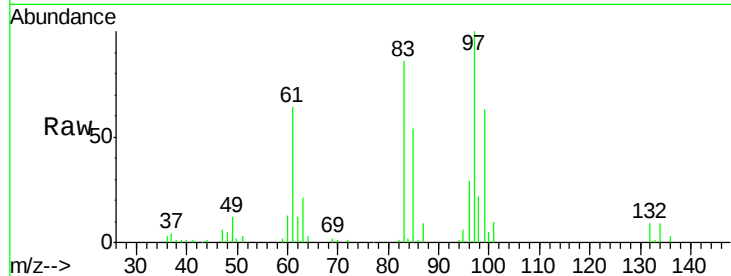
#55
 1,1,2-Trichloroethane
 Concen: 20.42 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion:	97	Resp:	49005
Ion	Ratio	Lower	Upper
97	100		
83	86.0	70.5	105.7
85	53.2	46.4	69.6
99	62.9	50.2	75.2

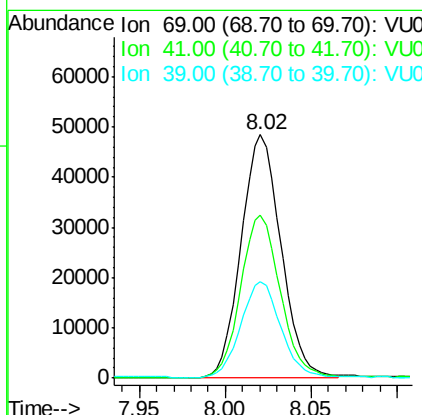
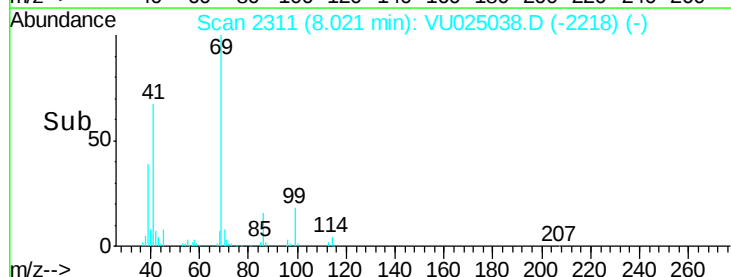
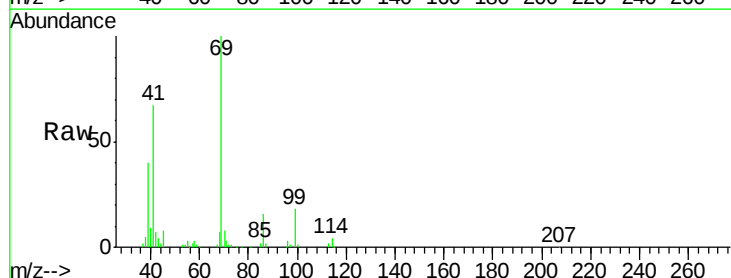
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 19.49 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion:	69	Resp:	78283
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.1	81.1
39	39.2	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.75 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 76 Resp: 83994

Ion Ratio Lower Upper

76 100

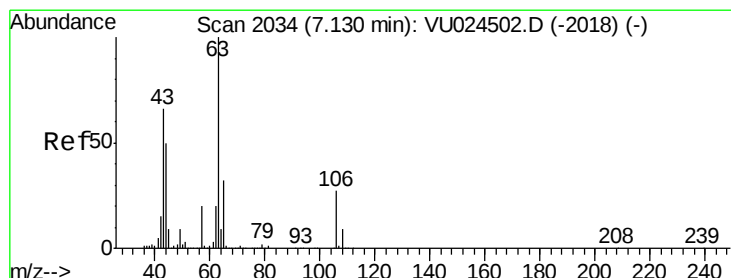
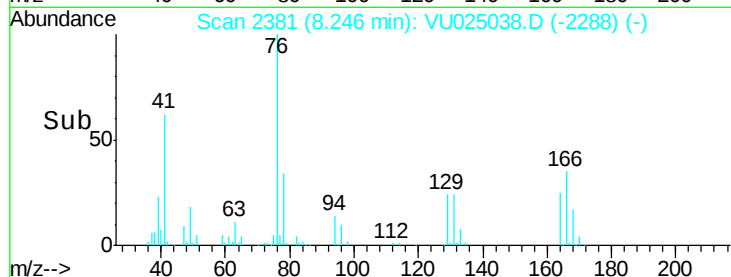
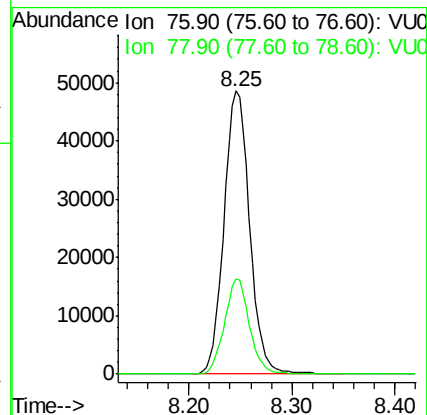
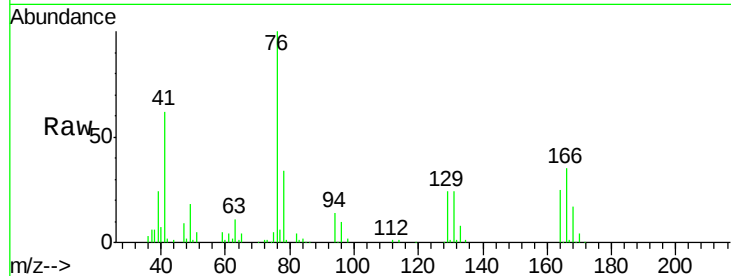
78 32.6 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 21.87 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025038.D

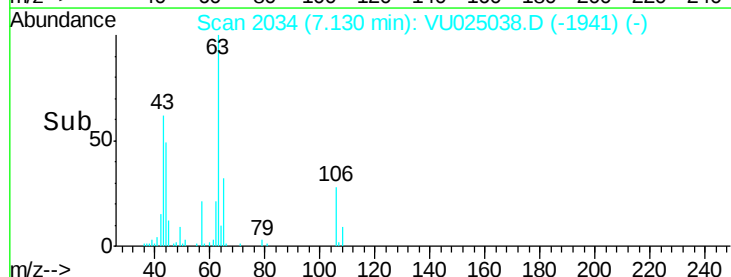
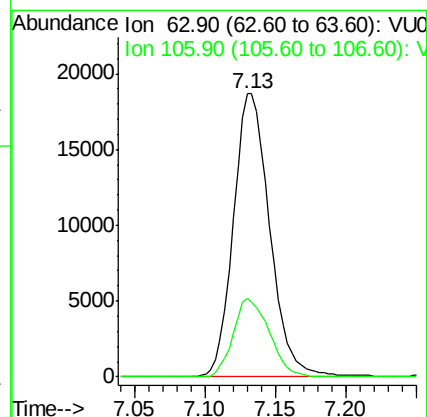
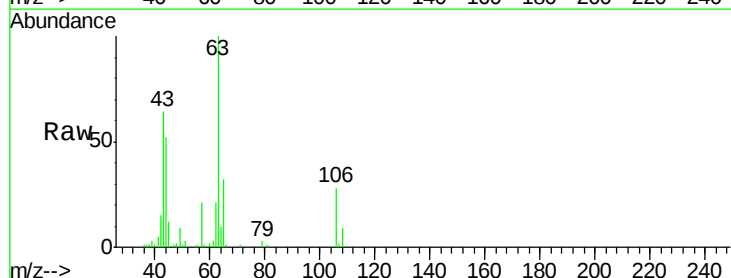
Acq: 28 Jun 2018 23:09

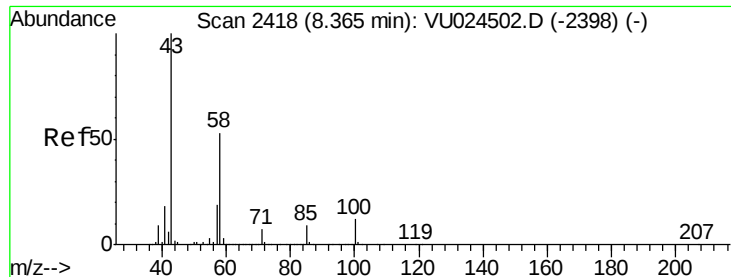
Tgt Ion: 63 Resp: 33652

Ion Ratio Lower Upper

63 100

106 27.3 20.2 30.2





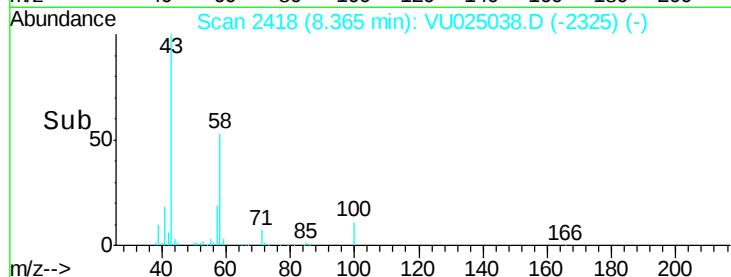
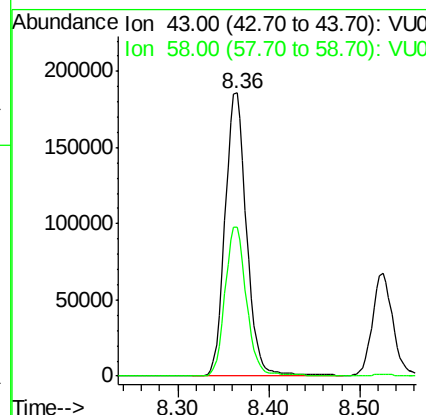
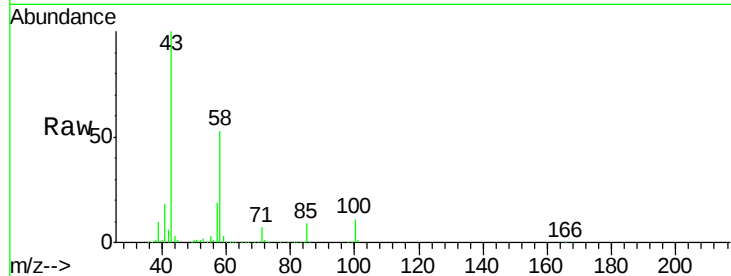
#59
2-Hexanone
Concen: 98.48 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion: 43 Resp: 306394
Ion Ratio Lower Upper
43 100
58 52.5 26.4 79.0

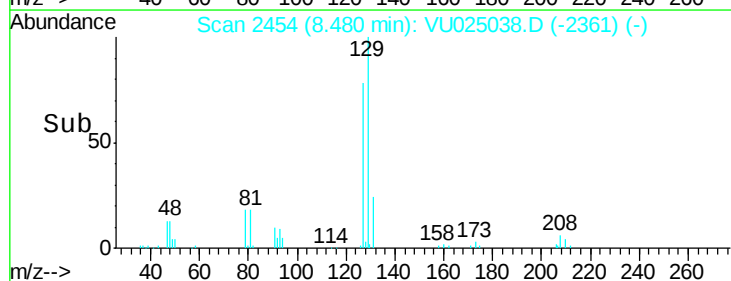
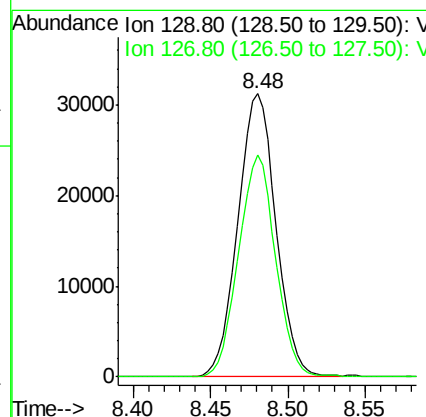
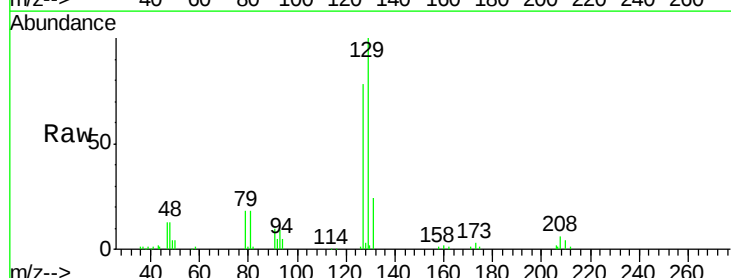
Manual Integrations
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#60
Dibromochloromethane
Concen: 17.83 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion: 129 Resp: 53345
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





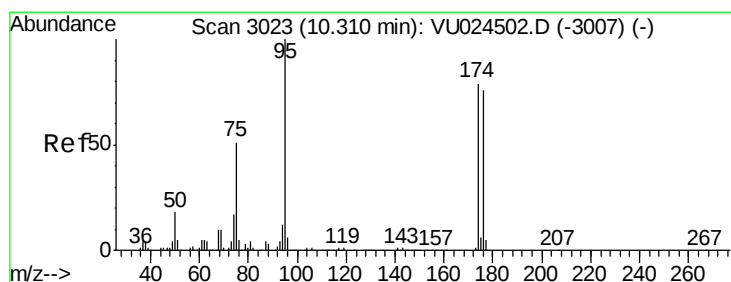
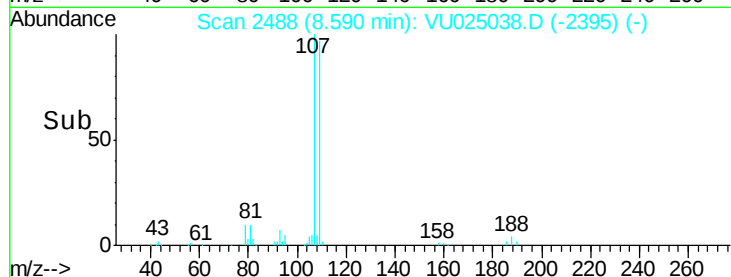
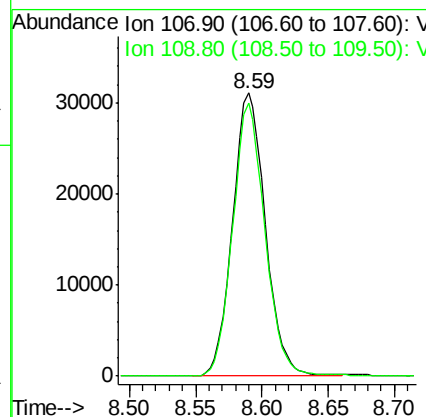
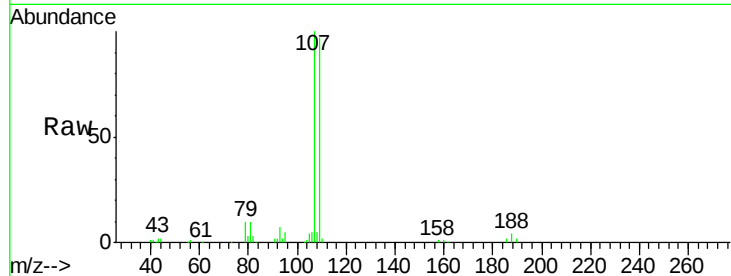
#61
 1,2-Dibromoethane
 Concen: 20.02 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.5	111.7

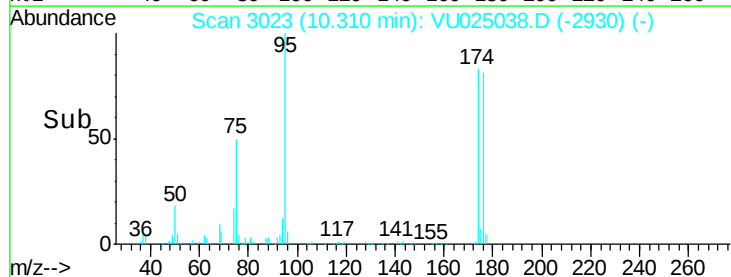
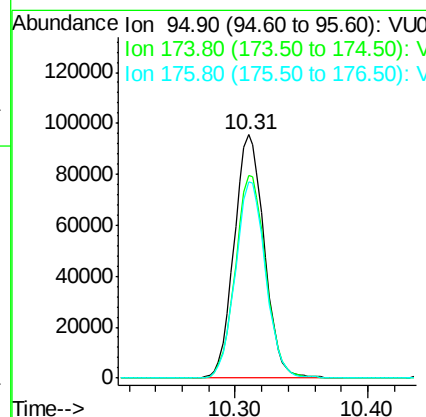
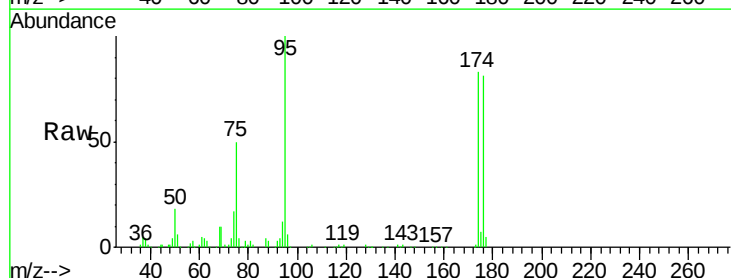
Manual Integrations
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 6/29/2018 4:23:50 PM



#62
 4-Bromofluorobenzene
 Concen: 45.69 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	165.8
176	81.1	0.0	159.4





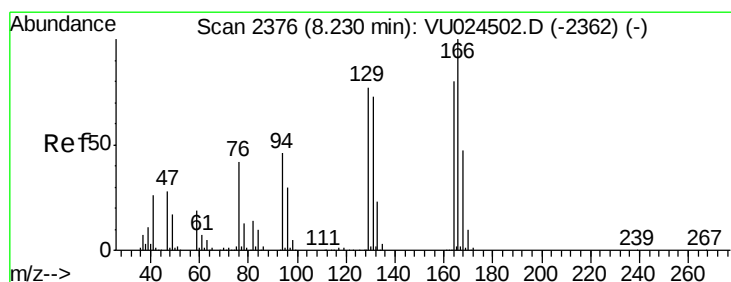
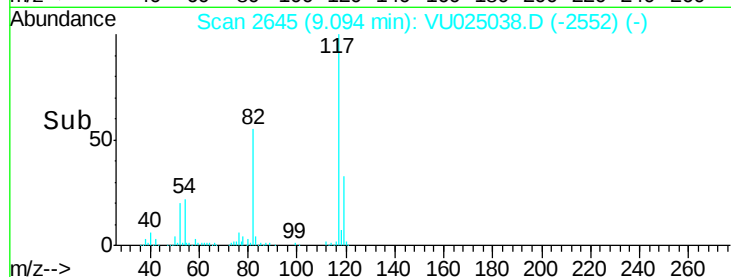
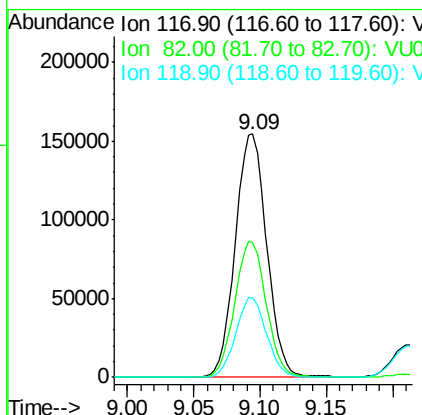
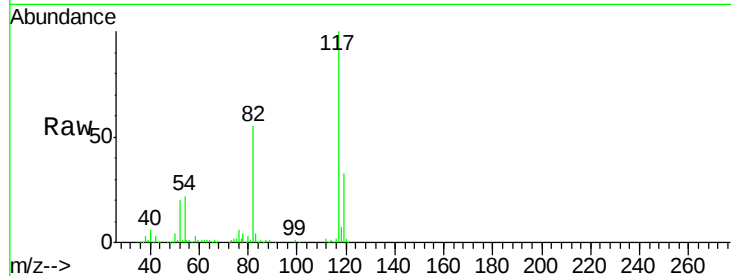
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255401		
82	55.5	44.3	66.5	
119	32.7	25.4	38.2	

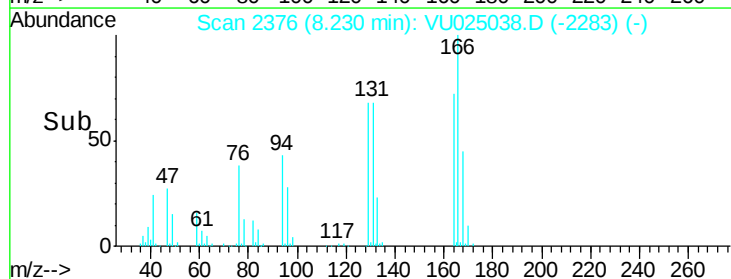
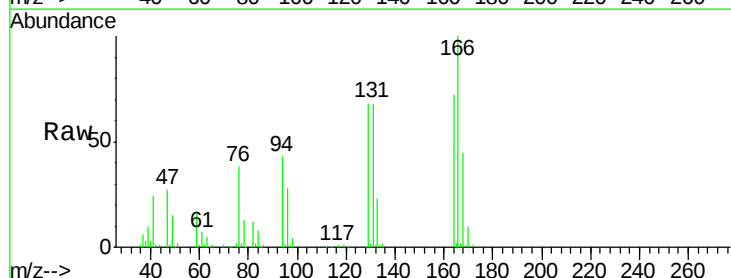
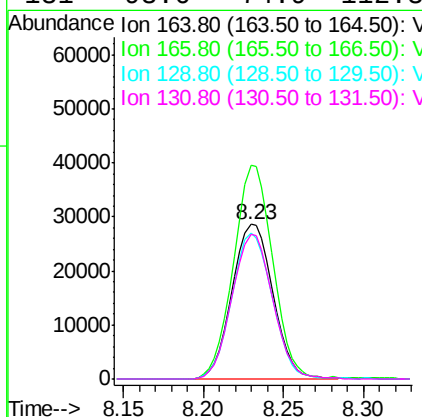
Manual Integrations
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#64
Tetrachloroethene
Concen: 20.61 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50029		
166	138.0	101.7	152.5	
129	94.5	76.9	115.3	
131	93.6	74.9	112.3	





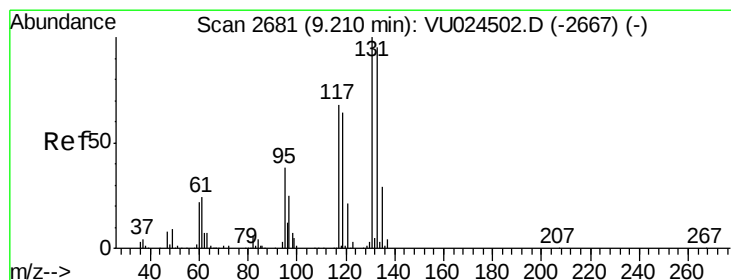
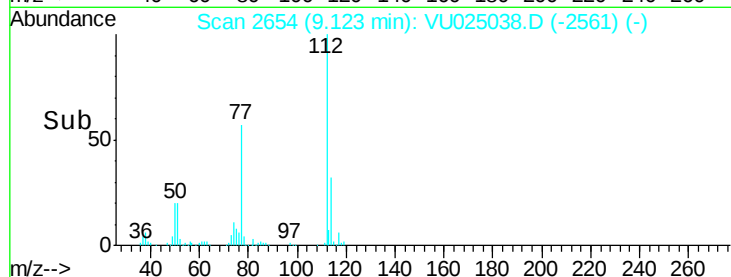
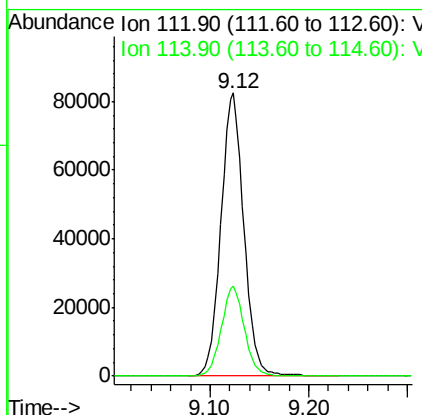
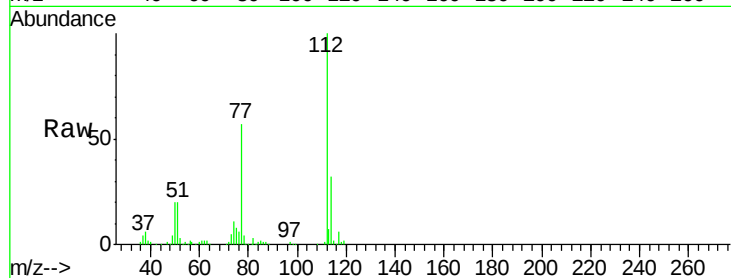
#65
Chlorobenzene
Concen: 20.62 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

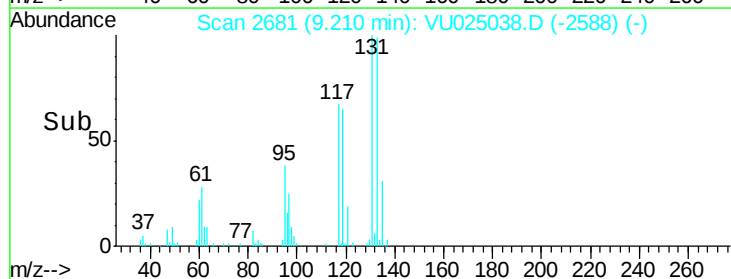
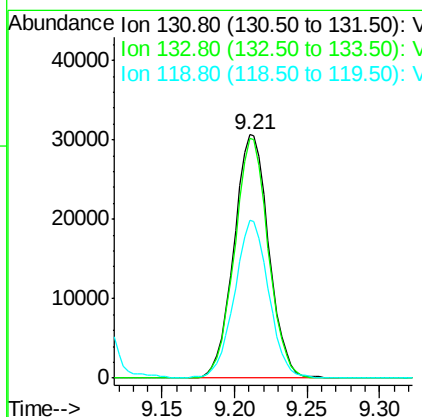
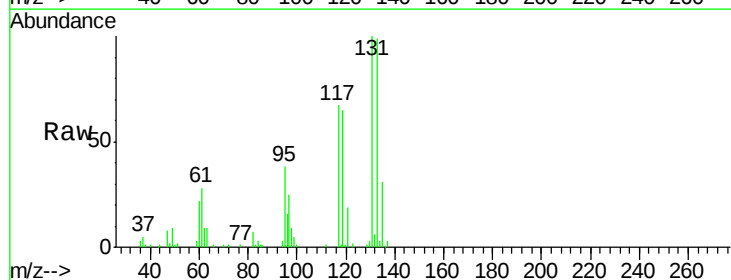
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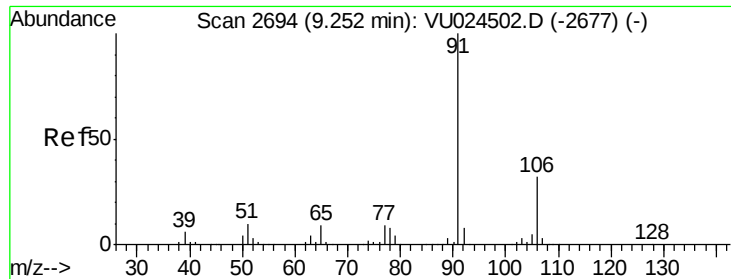
MMDadoda
6/29/2018 4:23:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.58 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	46.9	140.8
119	63.9	33.5	100.4





#67

Ethyl Benzene

Concen: 20.31 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 91 Resp: 232324

Ion Ratio Lower Upper

91 100

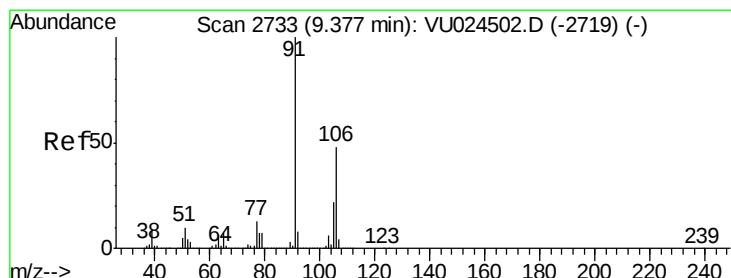
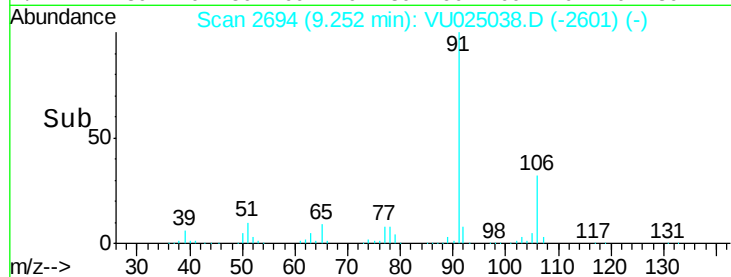
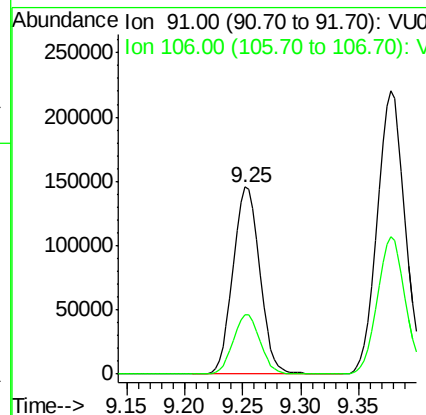
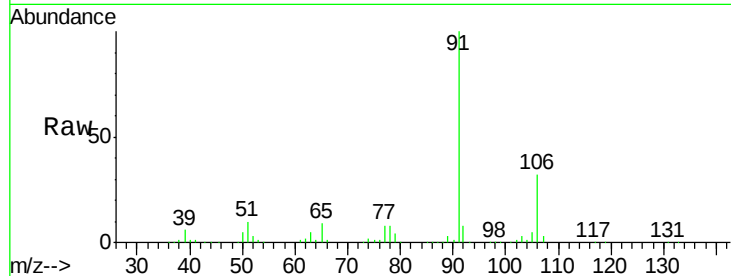
106 31.7 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.01 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU025038.D

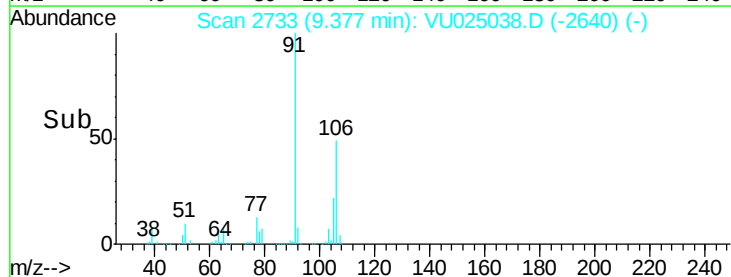
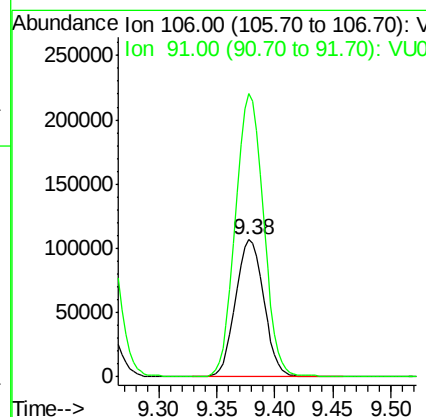
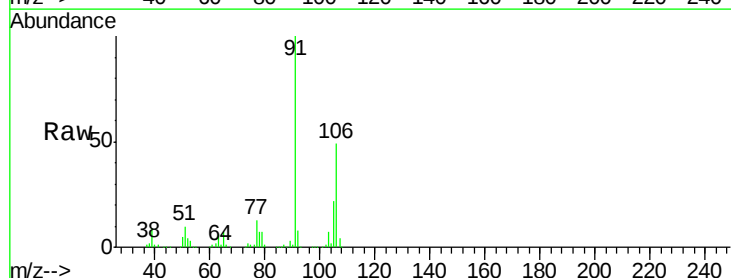
Acq: 28 Jun 2018 23:09

Tgt Ion: 106 Resp: 180123

Ion Ratio Lower Upper

106 100

91 205.6 166.5 249.7





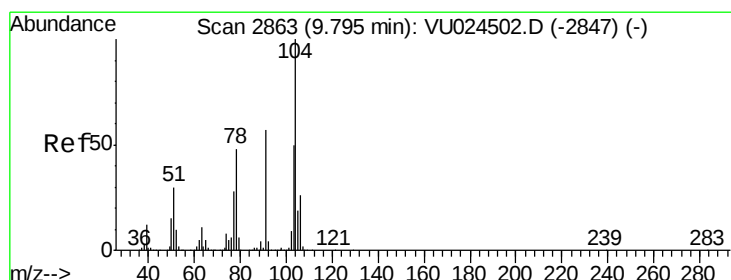
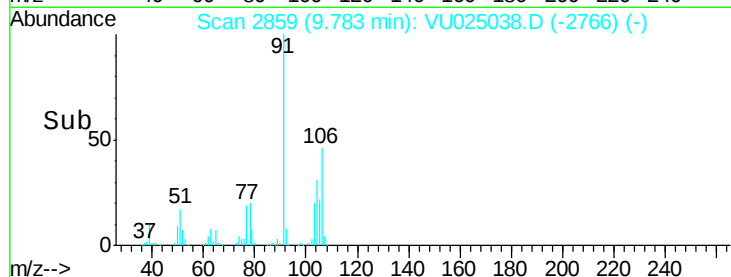
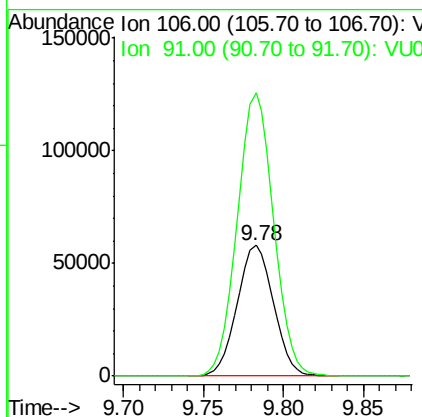
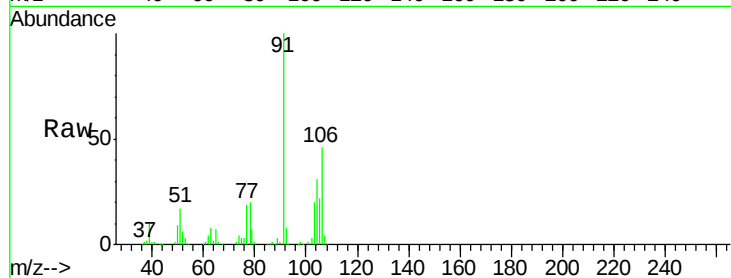
#69
o-Xylene
Concen: 20.64 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	110.7	331.9	

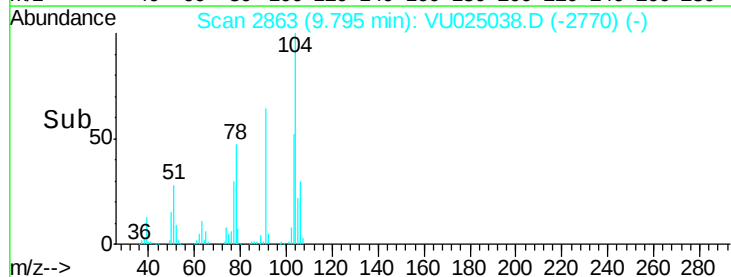
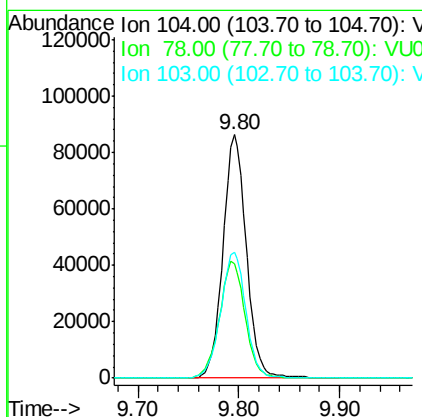
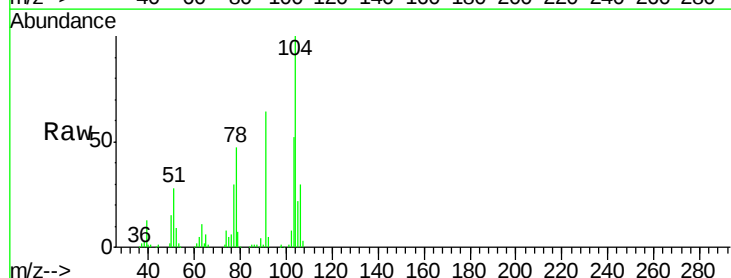
Manual Integrations
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#70
Styrene
Concen: 19.62 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.3	40.6	60.8	
103	55.9	44.7	67.1	





#71

Bromoform

Concen: 17.17 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

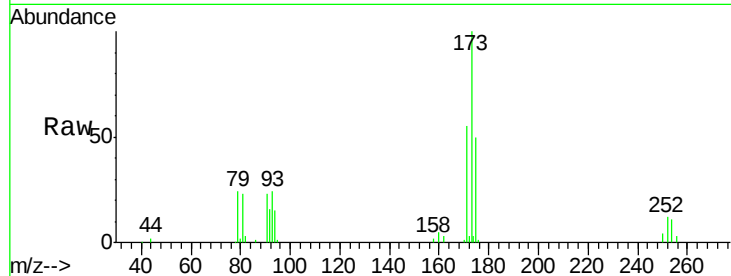
ClientSampleId :

VU0628MBS02

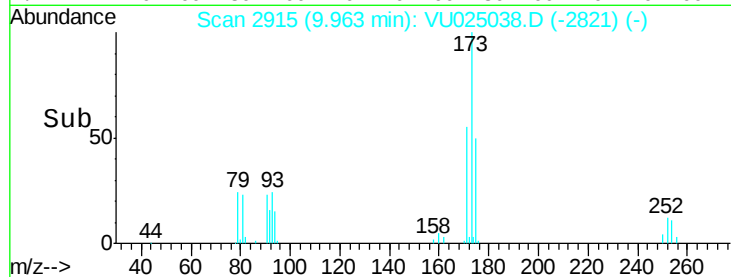
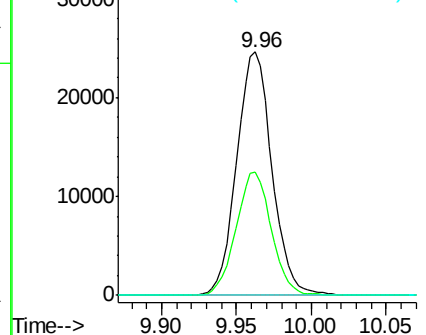
Tot Ion:	173	Resp:	40446
Ion Ratio	Lower	Upper	
173	100		
175	50.4	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

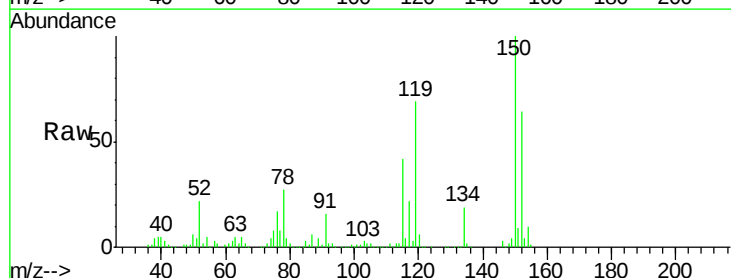
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

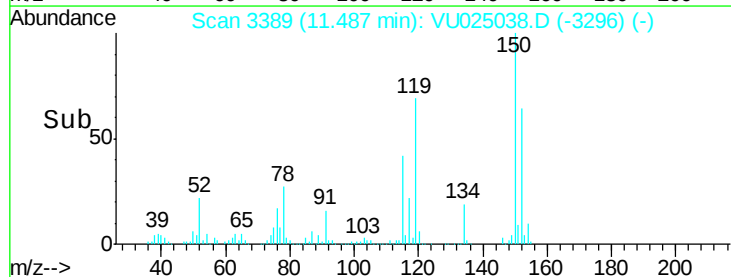
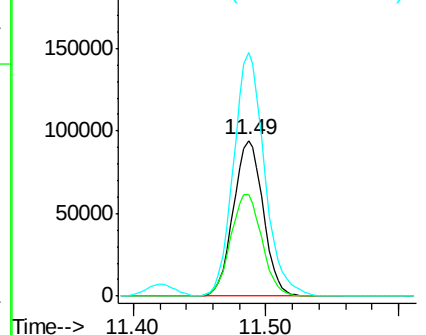
Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	152	Resp:	146934
Ion Ratio	Lower	Upper	
152	100		
115	68.6	43.0	129.0
150	163.0	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: 21.24 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 105 Resp: 239658

Ion Ratio Lower Upper

105 100

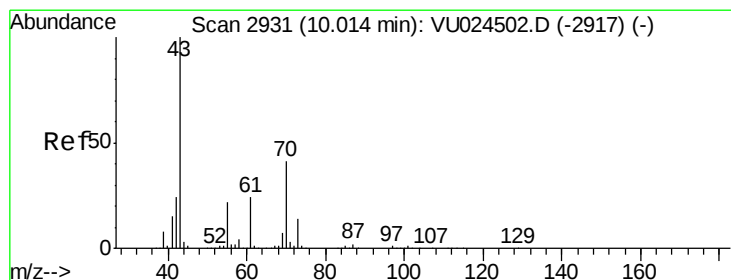
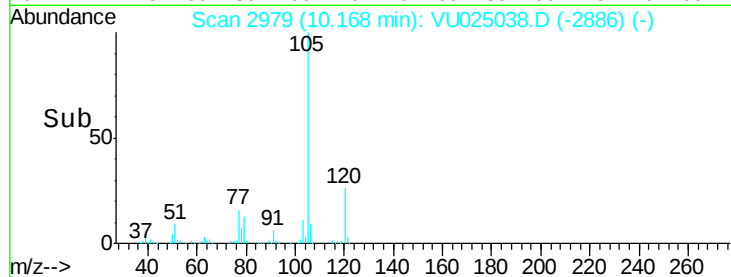
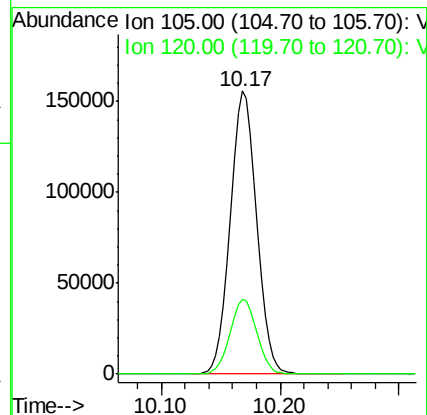
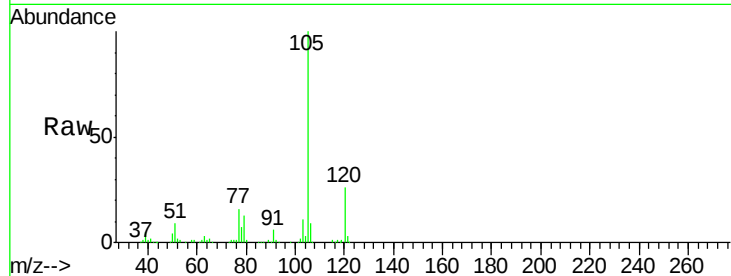
120 26.9 13.2 39.6

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#74

N-ethyl acetate

Concen: 18.61 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion: 43 Resp: 99860

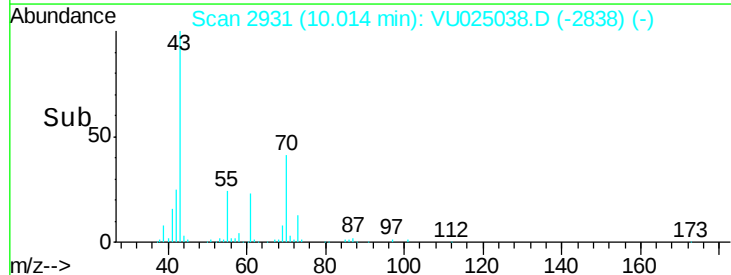
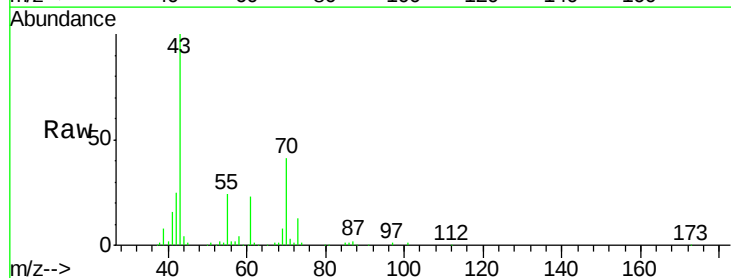
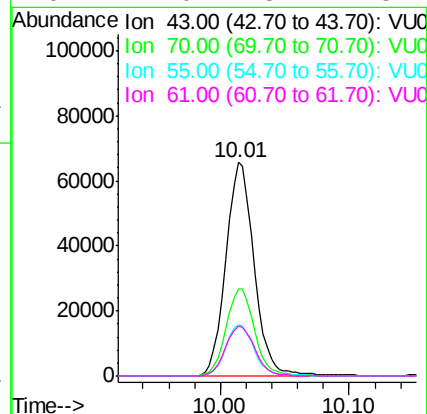
Ion Ratio Lower Upper

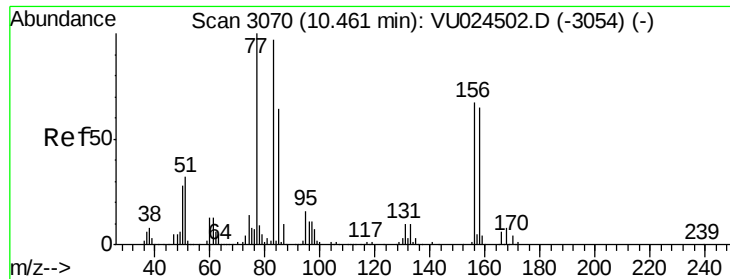
43 100

70 41.1 32.2 48.4

55 24.1 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.28 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 83 Resp: 80438

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

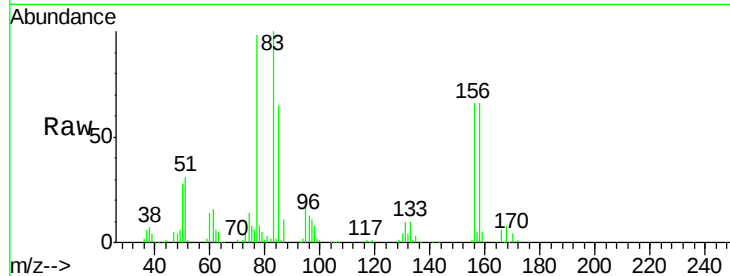
85 65.5 32.5 97.5

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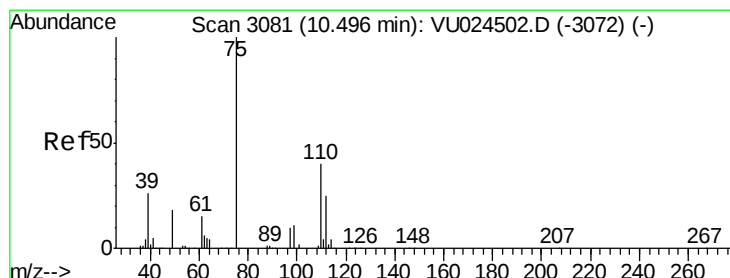
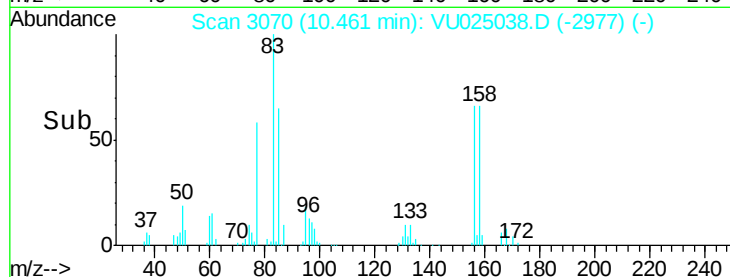
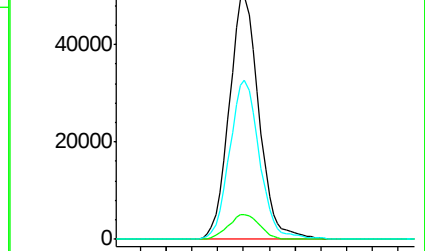
6/29/2018 4:23:50 PM



Abundance Ion 82.90 (82.60 to 83.60): VU025038.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025038.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025038.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 22.80 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025038.D

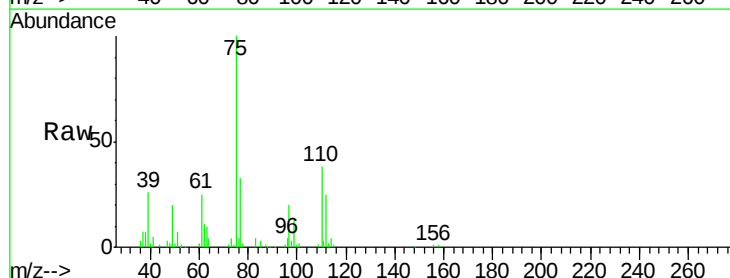
Acq: 28 Jun 2018 23:09

Tgt Ion: 75 Resp: 73743

Ion Ratio Lower Upper

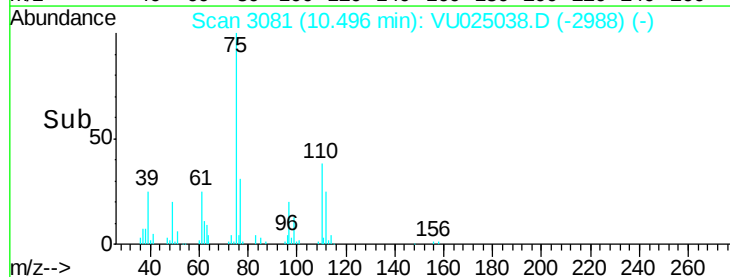
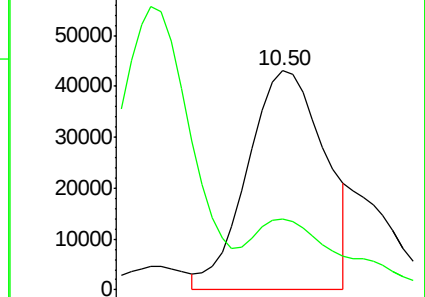
75 100

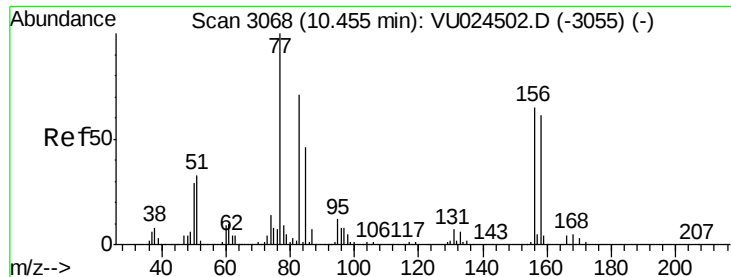
77 37.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025038.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025038.D (-2988) (-)





#77

Bromobenzene

Concen: 21.24 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

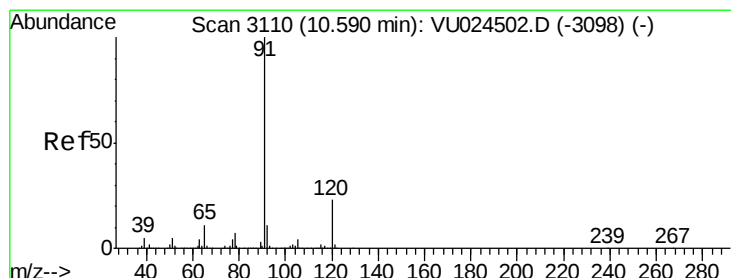
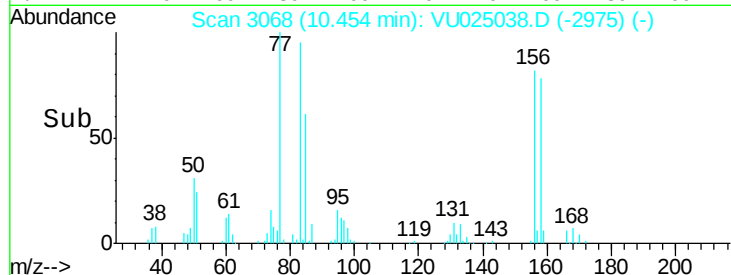
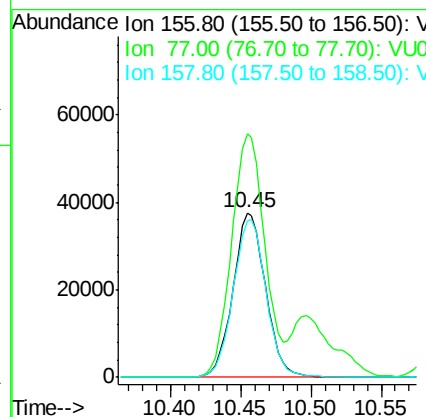
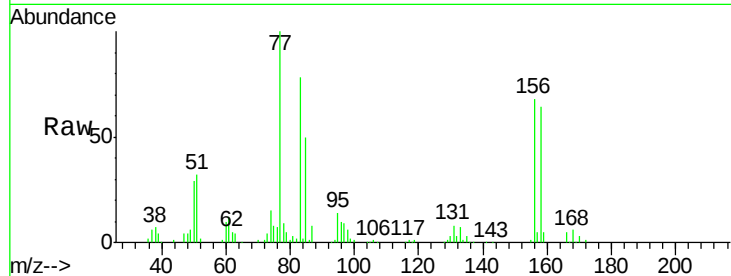
ClientSampleId :

VU0628MBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.7	80.5	241.3
158	97.1	48.2	144.6

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#78

n-propylbenzene

Concen: 19.82 ug/l

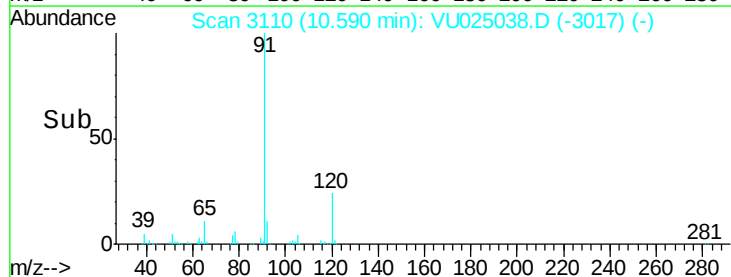
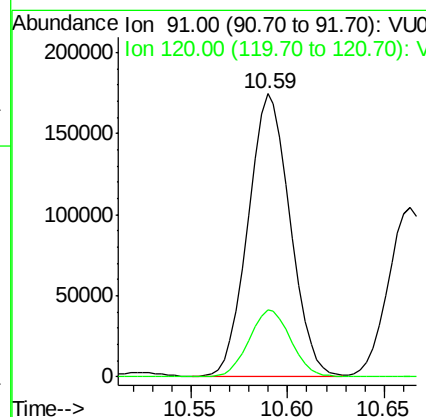
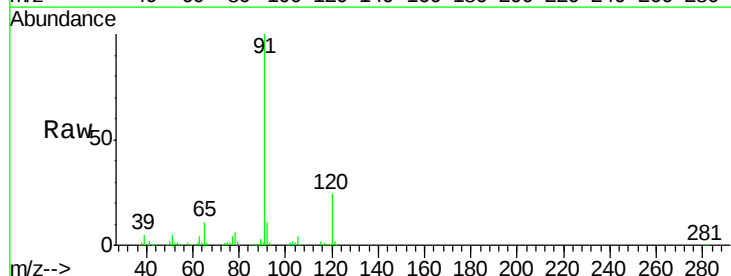
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.16 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion: 91 Resp: 165856

Ion Ratio Lower Upper

91 100

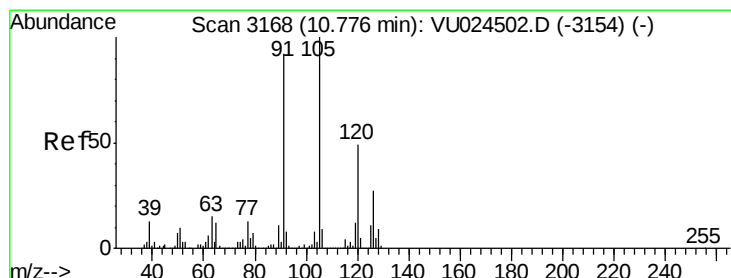
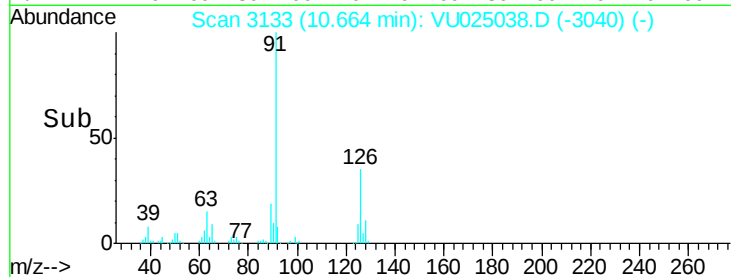
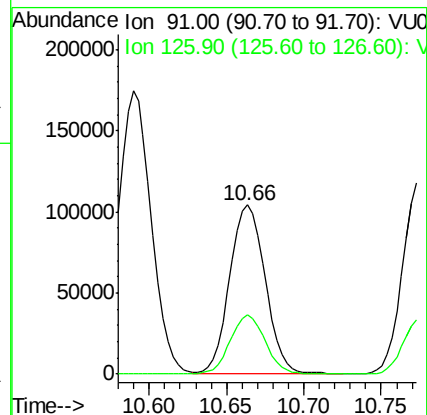
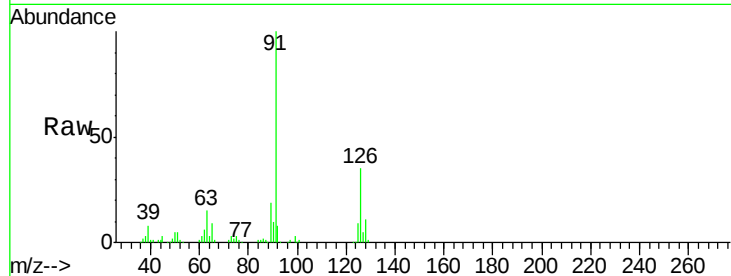
126 34.6 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025038.D

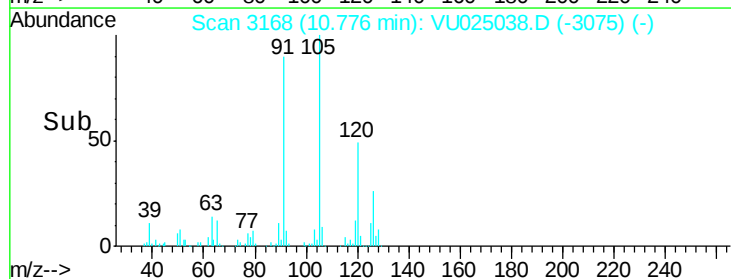
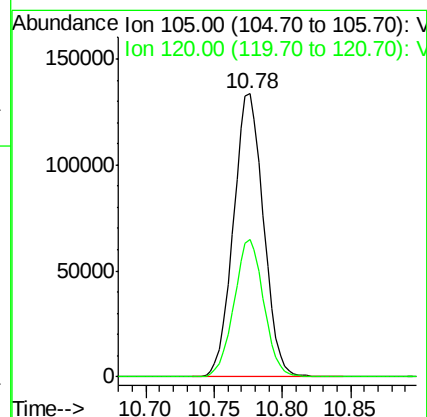
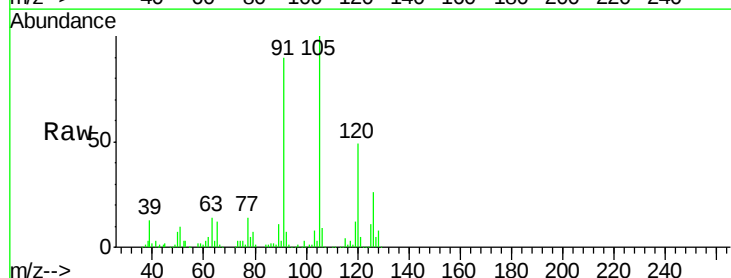
Acq: 28 Jun 2018 23:09

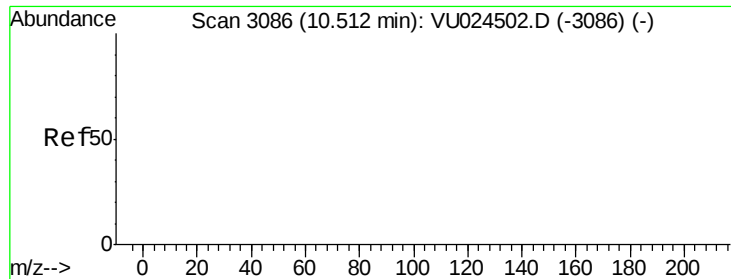
Tgt Ion: 105 Resp: 204653

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





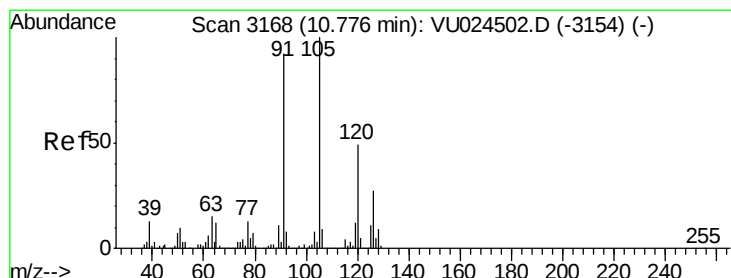
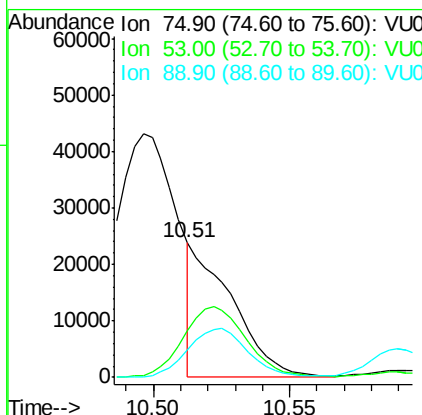
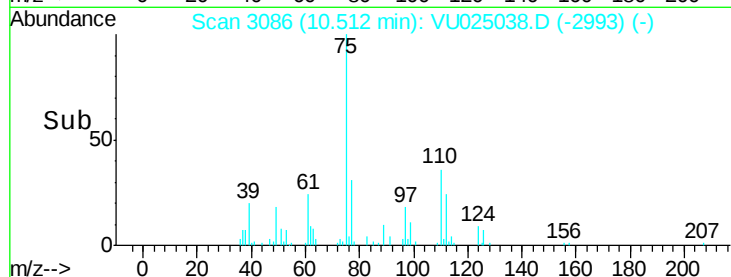
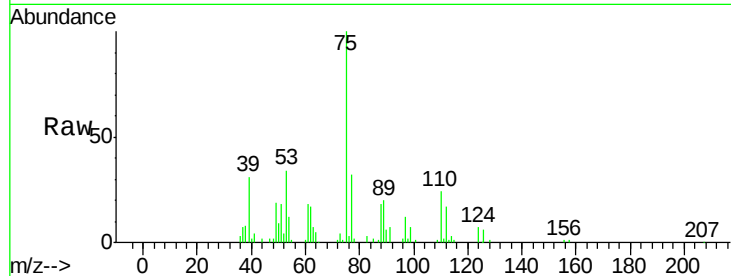
#81
trans-1,4-Dichloro-2-butene
Concen: 17.44 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

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

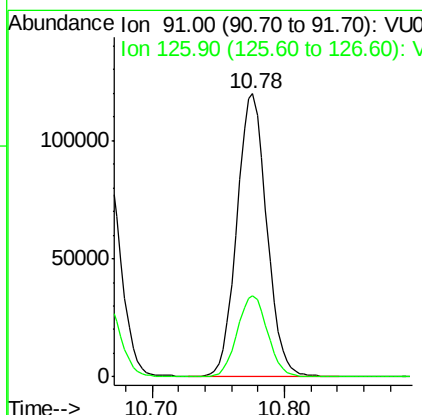
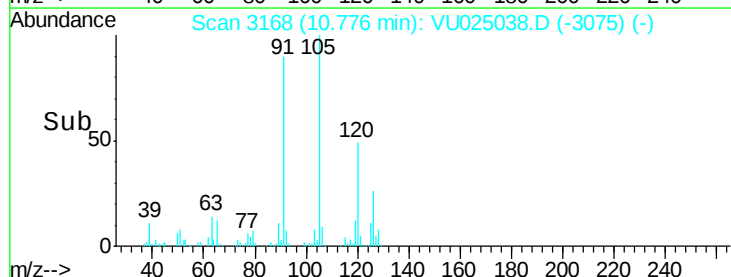
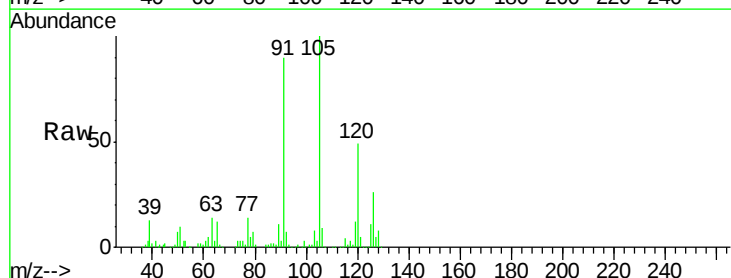
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.39 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.9	44.9





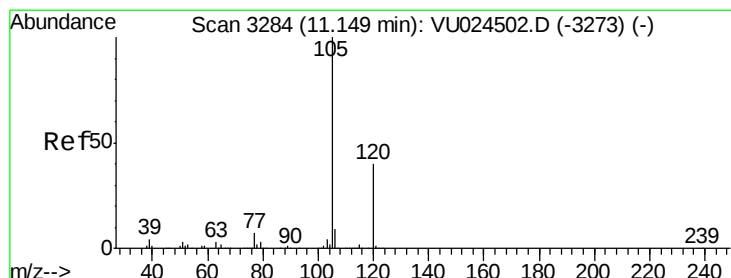
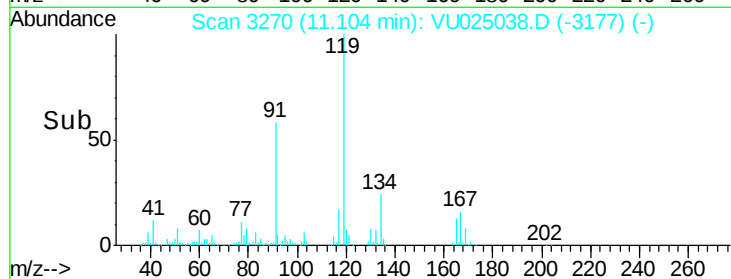
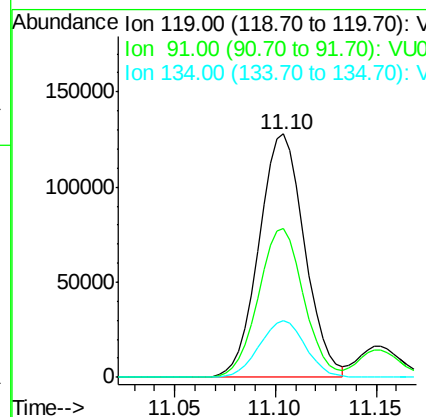
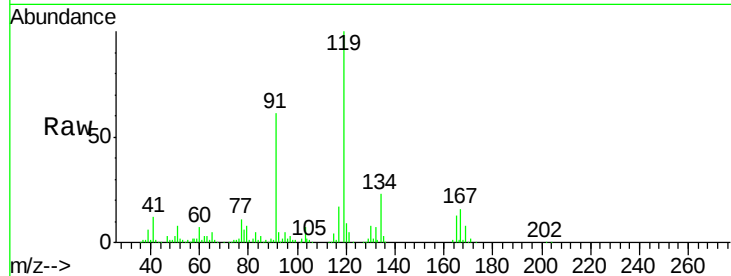
#83
tert-Butylbenzene
Concen: 21.48 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampleId :
VU0628MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202016		
91	60.9	29.7	89.1	
134	23.5	11.6	34.7	

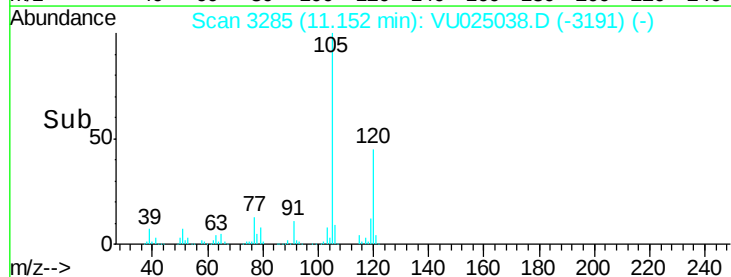
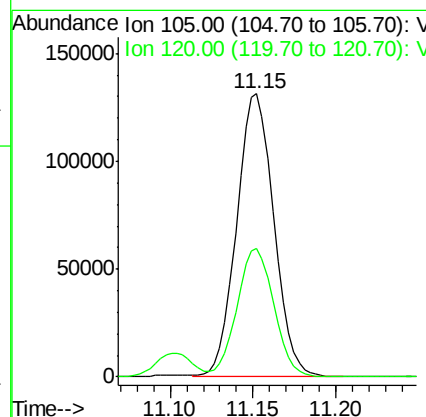
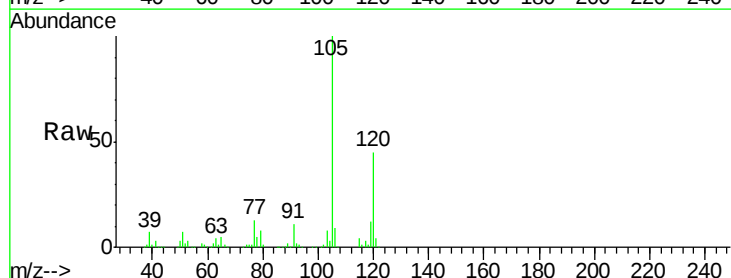
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 20.44 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203656		
120	45.1	22.6	67.8	





#85

sec-Butylbenzene

Concen: 20.51 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

ClientSampleId :

VU0628MBS02

Tot Ion:105 Resp: 241516

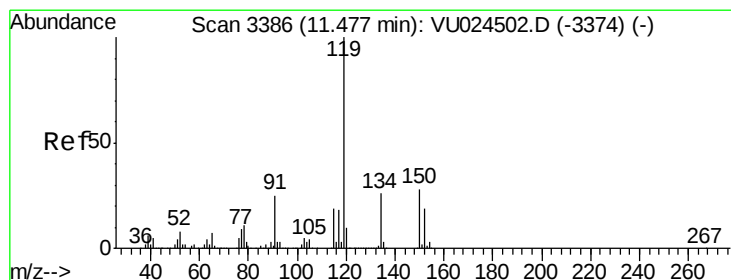
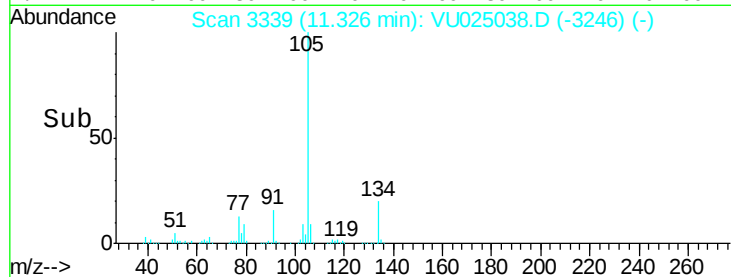
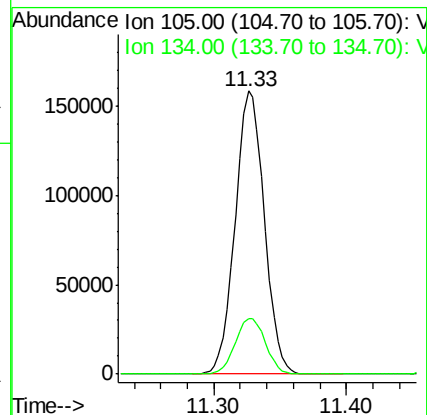
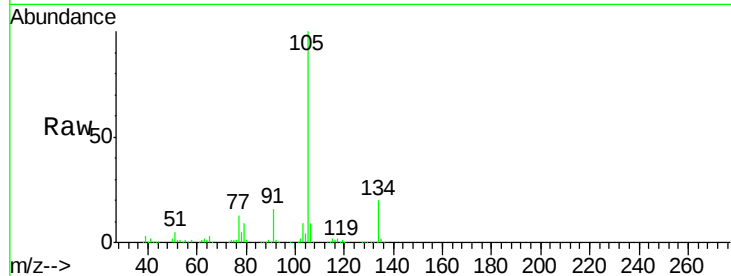
Ion Ratio Lower Upper

105 100

134 20.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.92 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

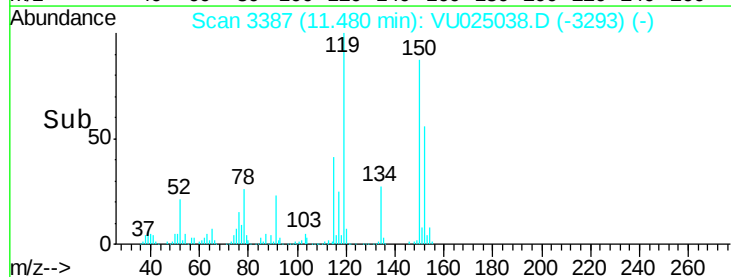
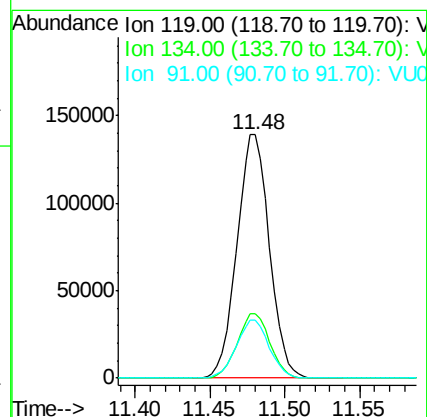
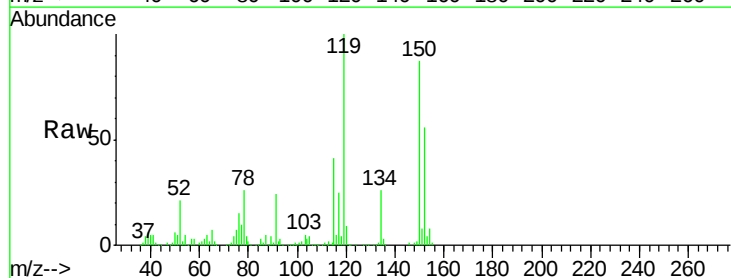
Tgt Ion:119 Resp: 210025

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 24.2 12.0 36.1





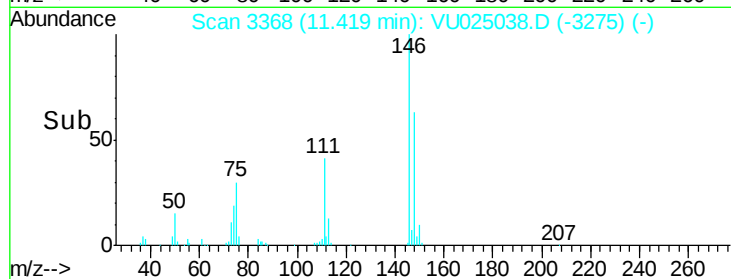
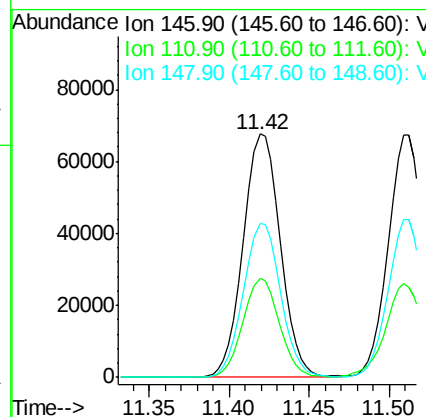
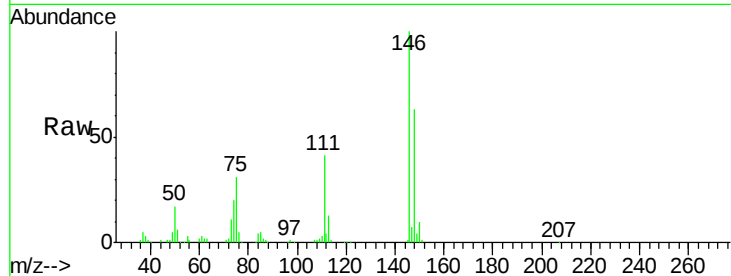
#87
 1,3-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	63.2	32.1	96.5

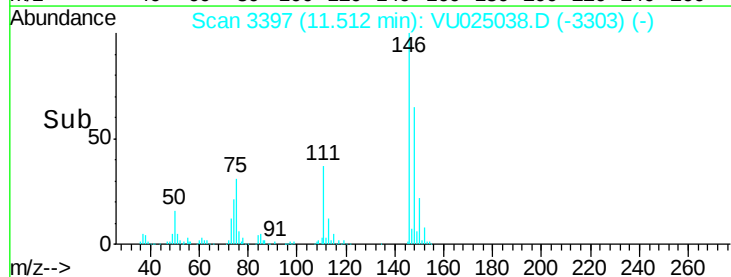
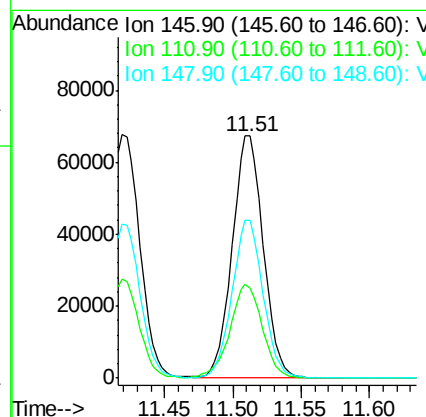
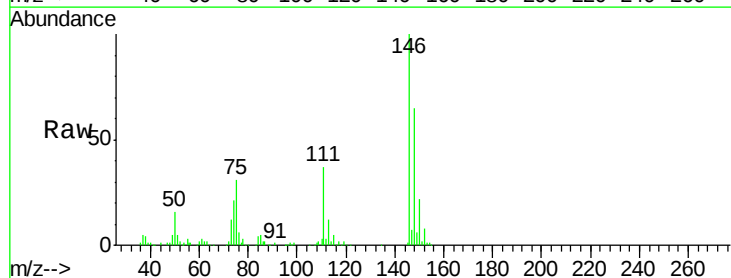
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.5	58.5
148	65.1	32.4	97.0





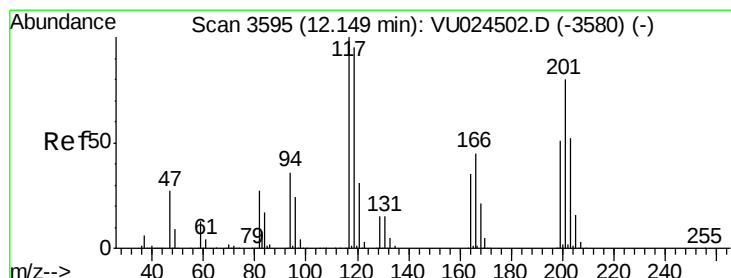
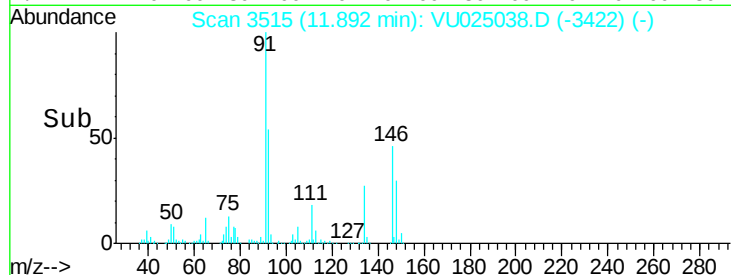
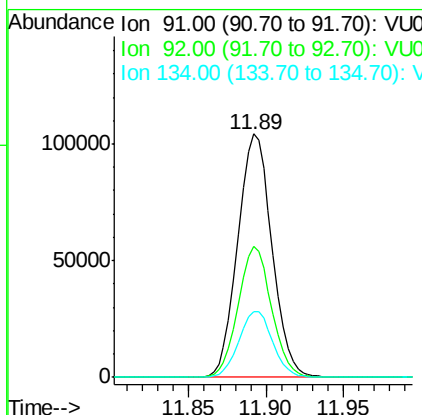
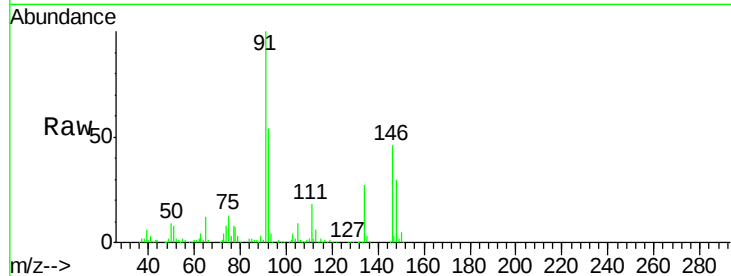
#89
n-Butylbenzene
Concen: 17.11 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Instrument :
MSVOA_U
ClientSampled :
VU0628MBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.6	76.8
134	26.8	12.3	36.8

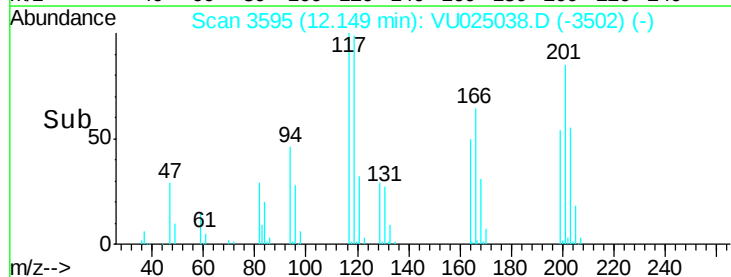
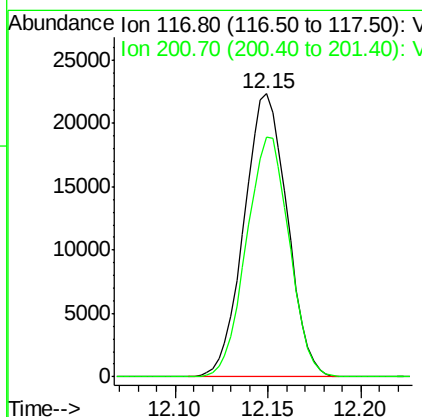
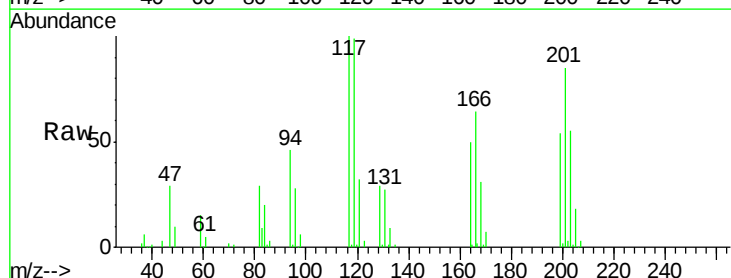
Manual Integrations
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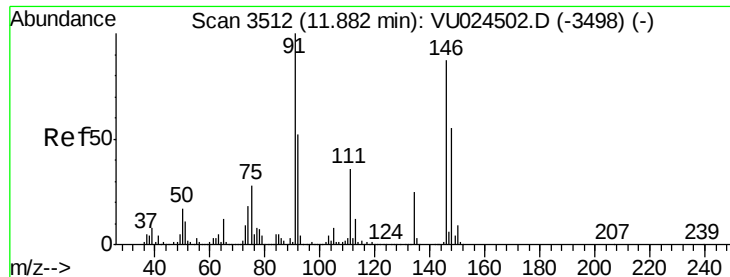
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#90
Hexachloroethane
Concen: 17.59 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025038.D
Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.1	123.3





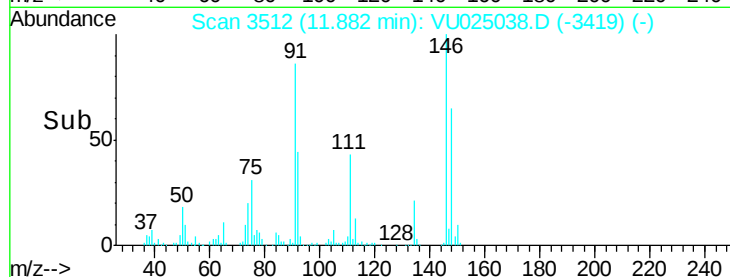
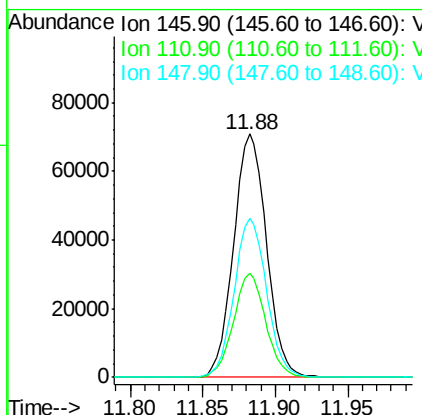
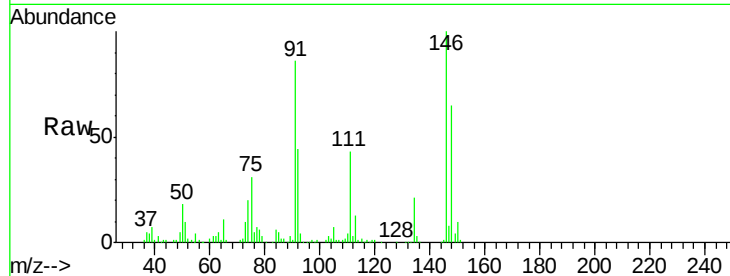
#91
 1,2-Dichlorobenzene
 Concen: 21.12 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628MBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111617		
111	41.9	20.5	61.6	
148	64.7	31.9	95.7	

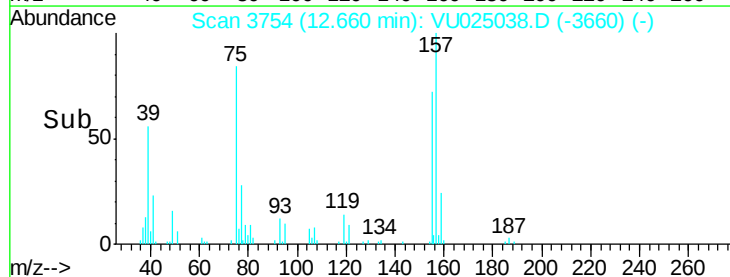
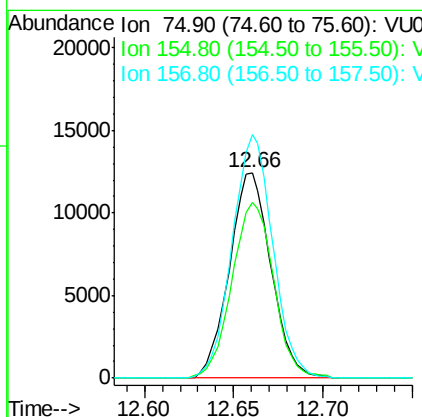
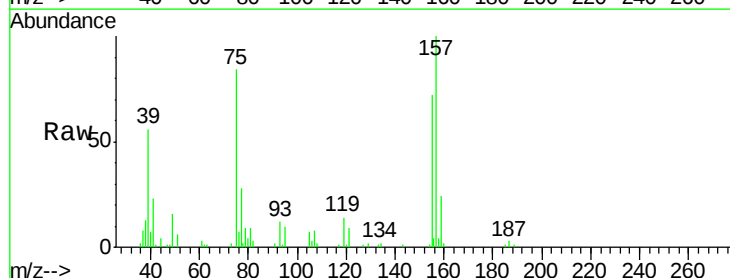
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.29 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025038.D
 Acq: 28 Jun 2018 23:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20122		
155	85.8	40.4	121.2	
157	116.0	52.3	156.8	





#93

1,2,4-Trichlorobenzene

Concen: 19.88 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

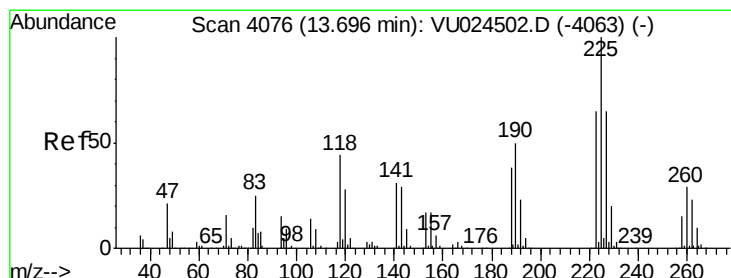
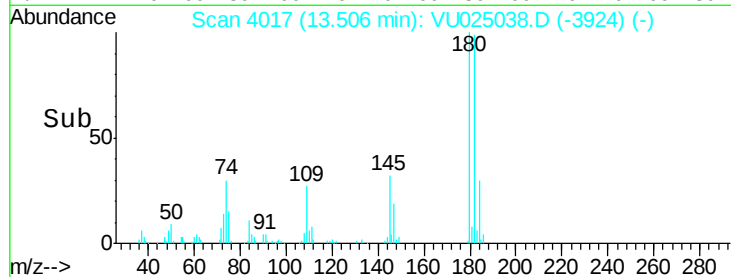
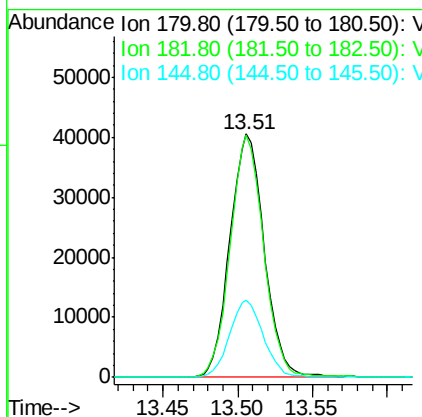
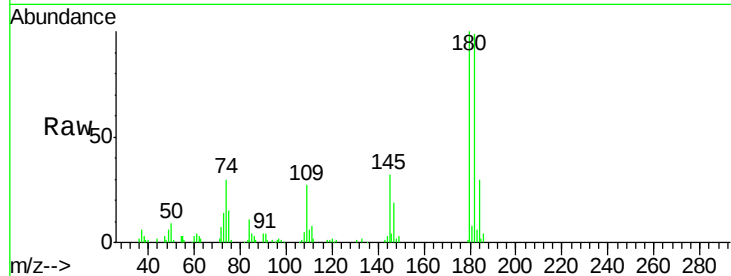
ClientSampleId :

VU0628MBS02

Tot Ion:	180	Resp:	64877
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	31.1	14.7	44.1

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#94

Hexachlorobutadiene

Concen: 19.89 ug/l

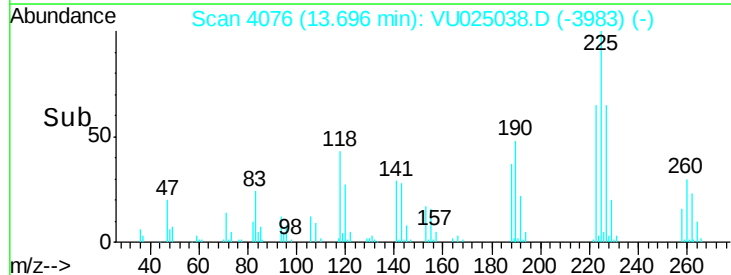
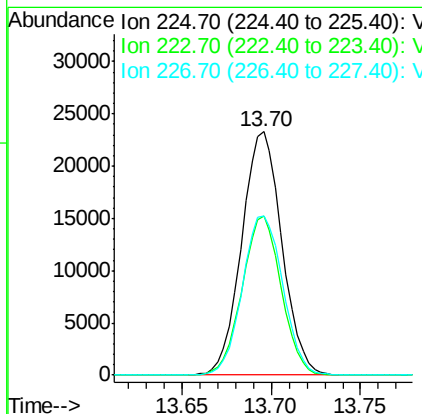
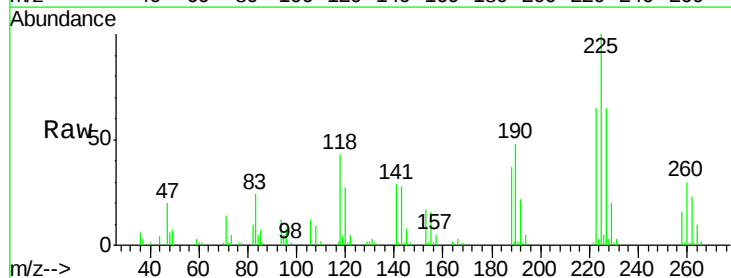
RT: 13.70 min Scan# 4076

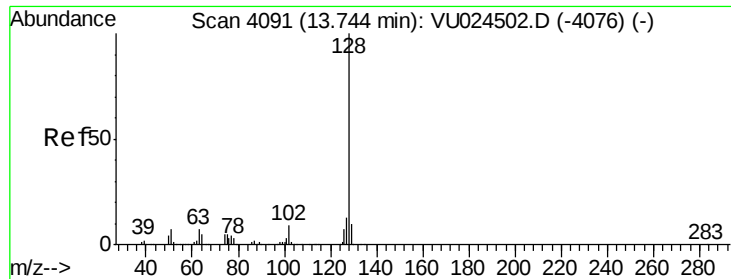
Delta R.T. -0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	225	Resp:	36536
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.3	93.8
227	66.2	31.8	95.4





#95

Naphthalene

Concen: 20.79 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Instrument :

MSVOA_U

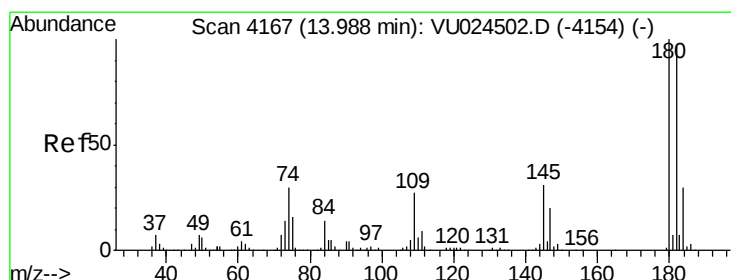
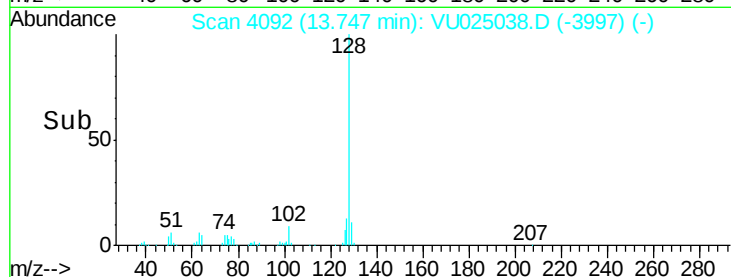
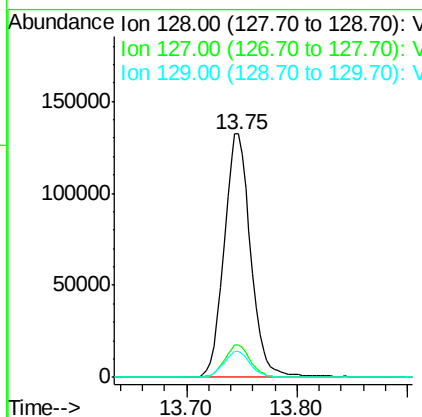
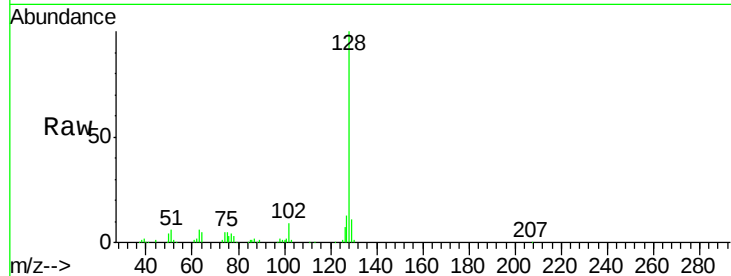
ClientSampleId :

VU0628MBS02

Tot Ion:	128	Resp:	220301
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.38 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025038.D

Acq: 28 Jun 2018 23:09

Tgt Ion:	180	Resp:	69537
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	31.7	15.4	46.1

