

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025304.D
 Acq On : 10 Jul 2018 21:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:06:00 PM

Quant Time: Jul 11 04:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	283504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	129258	44.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.74%	
35) Dibromofluoromethane	4.89	113	106576	44.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.12%	
50) Toluene-d8	7.57	98	348435	42.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.10%	
62) 4-Bromofluorobenzene	10.31	95	143793	43.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86866	44.76	ug/l	98
3) Chloromethane	1.33	50	92491	47.86	ug/l	99
4) Vinyl Chloride	1.40	62	101880	47.78	ug/l	100
5) Bromomethane	1.61	94	60912	56.67	ug/l	98
6) Chloroethane	1.69	64	65863	48.58	ug/l	99
7) Trichlorofluoromethane	1.88	101	155285	46.33	ug/l	97
8) Diethyl Ether	2.10	74	61432	48.85	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	98505	47.43	ug/l	99
10) Methyl Iodide	2.41	142	95077	42.30	ug/l	99
11) Tert butyl alcohol	2.83	59	166420	261.87	ug/l	99
12) 1,1-Dichloroethene	2.28	96	89307	46.99	ug/l	93
13) Acrolein	2.19	56	70411	167.48	ug/l	99
14) Allyl chloride	2.59	41	153638	44.57	ug/l	99
15) Acrylonitrile	2.94	53	346058	264.86	ug/l	100
16) Acetone	2.32	43	322665	217.70	ug/l	99
17) Carbon Disulfide	2.48	76	238138	43.15	ug/l	100
18) Methyl Acetate	2.62	43	166029	55.66	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	372088	51.47	ug/l	100
20) Methylene Chloride	2.70	84	109210	48.48	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	102462	47.17	ug/l	95
22) Diisopropyl ether	3.57	45	353254	50.18	ug/l	95
23) Vinyl Acetate	3.53	43	1571577	254.49	ug/l	100
24) 1,1-Dichloroethane	3.45	63	201638	50.79	ug/l	99
25) 2-Butanone	4.26	43	507874	251.52	ug/l	100
26) 2,2-Dichloropropane	4.23	77	150002	39.30	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	120815	48.07	ug/l	99
28) Bromochloromethane	4.55	49	93458	48.75	ug/l	99
29) Tetrahydrofuran	4.64	42	320036	264.25	ug/l	99
30) Chloroform	4.68	83	209745	49.89	ug/l	98
31) Cyclohexane	5.00	56	169939	46.24	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	190915	50.10	ug/l	99
36) 1,1-Dichloropropene	5.14	75	147422	46.77	ug/l	98
37) Ethyl Acetate	4.38	43	186158	52.96	ug/l	99
38) Carbon Tetrachloride	5.14	117	168962	49.81	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	175033	44.52	ug/l	99
40) Benzene	5.39	78	434659	47.85	ug/l	99
41) Methacrylonitrile	4.54	41	101978	52.33	ug/l	99
42) 1,2-Dichloroethane	5.41	62	178070	49.32	ug/l	100
43) Isopropyl Acetate	5.55	43	289945	51.51	ug/l	100
44) Trichloroethene	6.19	130	123935	47.52	ug/l	100
45) 1,2-Dichloropropane	6.44	63	117485	49.38	ug/l	99
46) Dibromomethane	6.56	93	83817	48.41	ug/l	98
47) Bromodichloromethane	6.76	83	160876	50.02	ug/l	97
48) Methyl methacrylate	6.63	41	145361	51.80	ug/l	98
49) 1,4-Dioxane	6.62	88	67489	999.52	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	958019	261.86	ug/l	100
52) Toluene	7.64	92	282524	48.89	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	171710	48.59	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	180109	47.89	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	119668	49.72	ug/l	99
56) Ethyl methacrylate	8.02	69	190180	50.59	ug/l	99
57) 1,3-Dichloropropane	8.25	76	199958	50.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354558	211.26	ug/l	100
59) 2-Hexanone	8.36	43	750659	252.96	ug/l	98
60) Dibromochloromethane	8.48	129	135828	52.26	ug/l	99
61) 1,2-Dibromoethane	8.59	107	131574	51.09	ug/l	99
64) Tetrachloroethene	8.23	164	119558	49.45	ug/l	98
65) Chlorobenzene	9.12	112	327790	49.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	123393	52.06	ug/l	99
67) Ethyl Benzene	9.25	91	559456	49.53	ug/l	99
68) m/p-Xylenes	9.38	106	436930	100.05	ug/l	100
69) o-Xylene	9.78	106	219503	50.21	ug/l	99
70) Styrene	9.80	104	354140	50.99	ug/l	99
71) Bromoform	9.96	173	106687	46.88	ug/l #	100
73) Isopropylbenzene	10.17	105	581888	47.62	ug/l	100
74) N-amyl acetate	10.01	43	260363	52.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	202892	50.75	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	182057m	55.03	ug/l	
77) Bromobenzene	10.45	156	153085	48.97	ug/l	98
78) n-propylbenzene	10.59	91	652045	48.09	ug/l	100
79) 2-Chlorotoluene	10.66	91	398660	51.20	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	498579	48.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58318m	45.77	ug/l	
82) 4-Chlorotoluene	10.78	91	453407	47.22	ug/l	99
83) tert-Butylbenzene	11.10	119	497503	47.88	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	509540	48.35	ug/l	98
85) sec-Butylbenzene	11.33	105	593330	48.50	ug/l	99
86) p-Isopropyltoluene	11.48	119	530294	48.96	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	272463	47.69	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	273887	49.11	ug/l	99
89) n-Butylbenzene	11.89	91	423733	47.59	ug/l	100
90) Hexachloroethane	12.15	117	86888	47.37	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	281053	48.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	50724	52.32	ug/l	98

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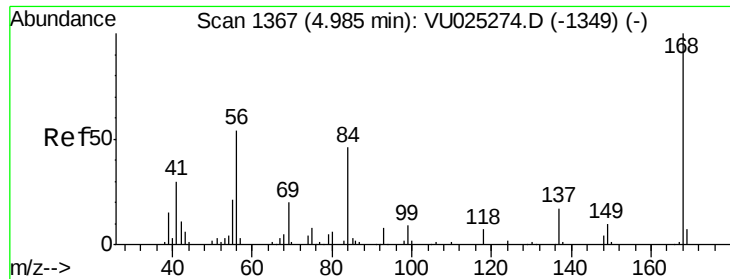
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	176006	45.85	ug/l	98
94) Hexachlorobutadiene	13.70	225	93082	45.11	ug/l	100
95) Naphthalene	13.75	128	608045	51.70	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	186506	47.67	ug/l	98

(#) = 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: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 187508

Ion Ratio Lower Upper

168 100

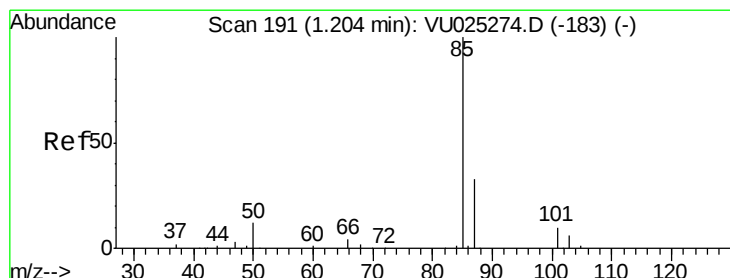
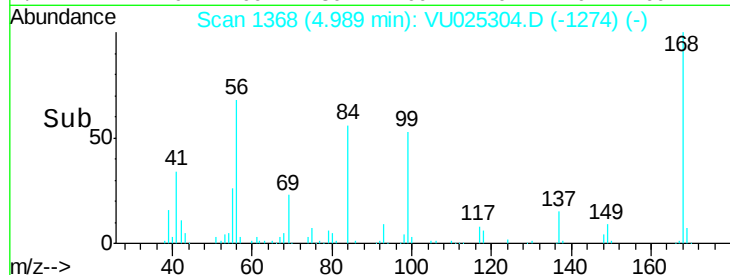
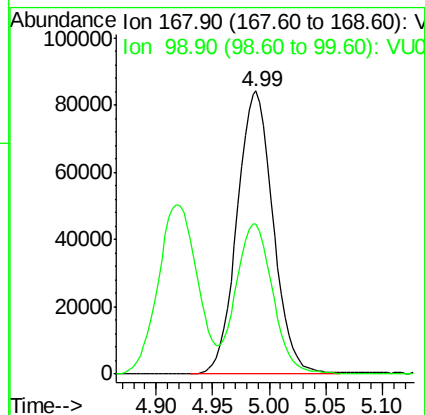
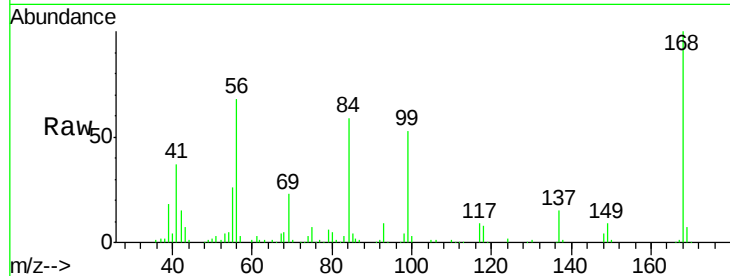
99 52.8 42.8 64.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.76 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025304.D

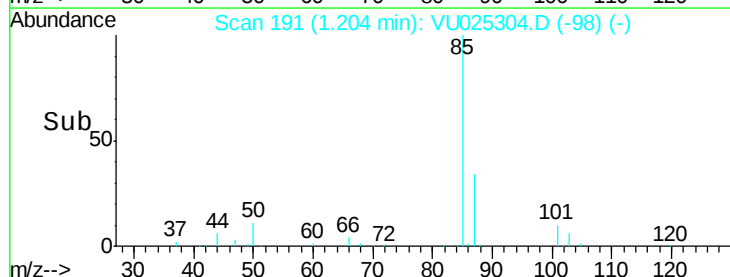
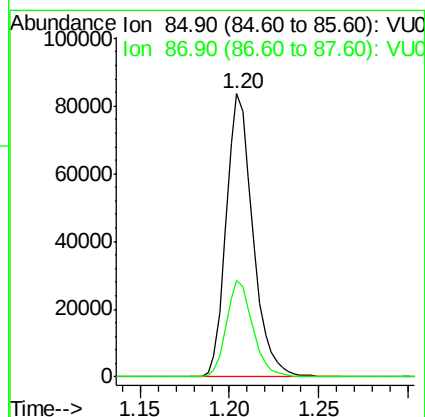
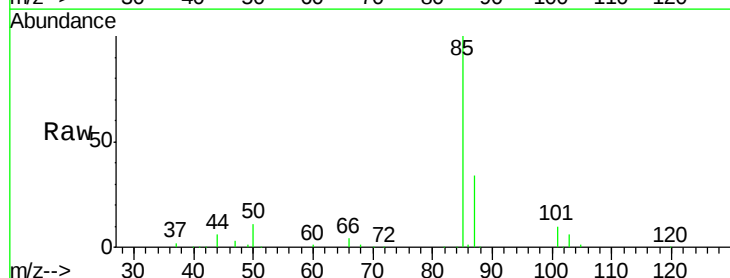
Acq: 10 Jul 2018 21:22

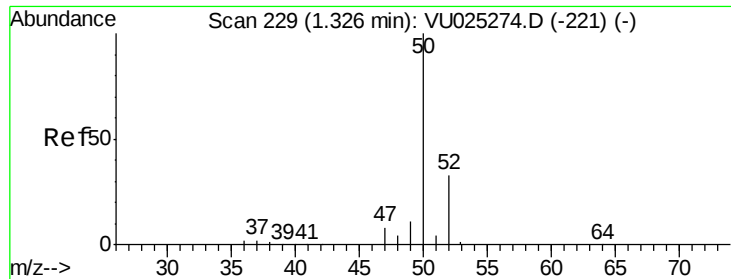
Tgt Ion: 85 Resp: 86866

Ion Ratio Lower Upper

85 100

87 34.0 16.5 49.5





#3

Chloromethane

Concen: 47.86 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92491

Ion Ratio Lower Upper

50 100

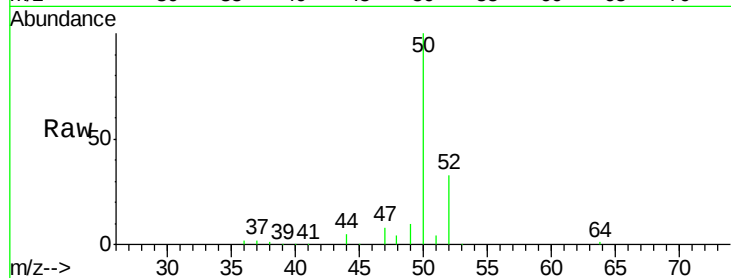
52 33.4 26.5 39.7

Manual Integrations

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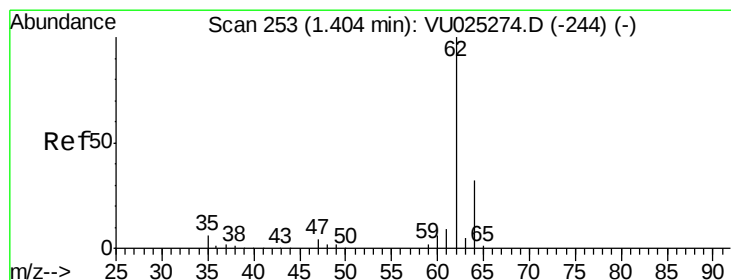
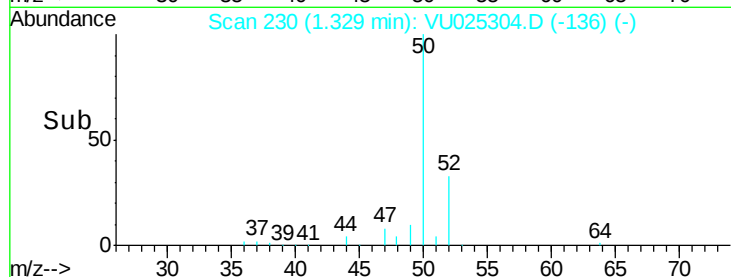
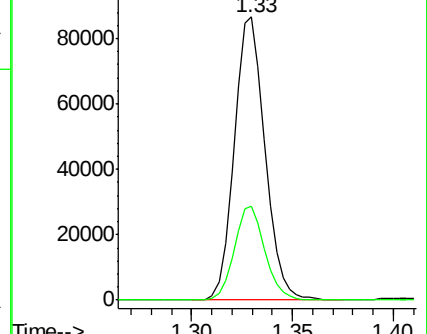
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.78 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025304.D

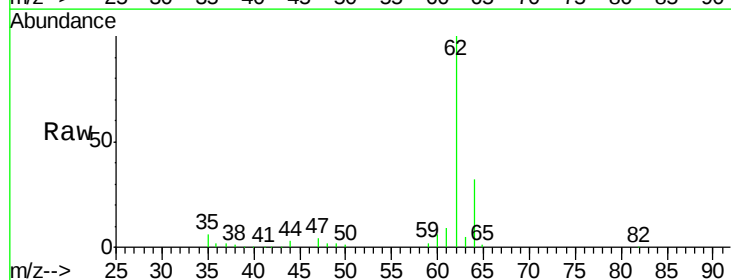
Acq: 10 Jul 2018 21:22

Tgt Ion: 62 Resp: 101880

Ion Ratio Lower Upper

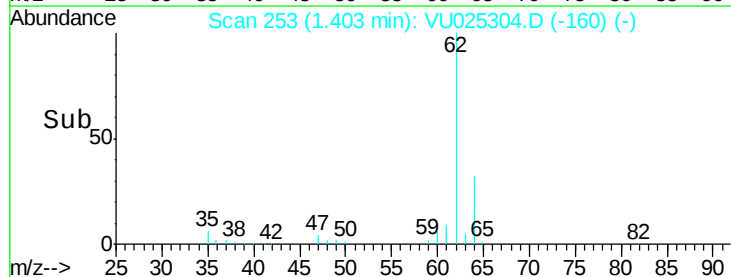
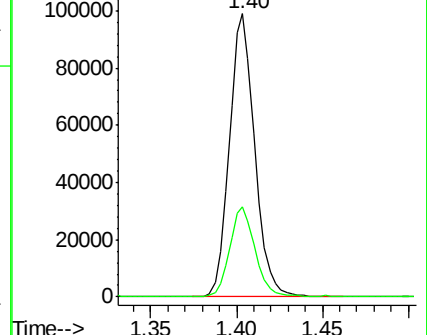
62 100

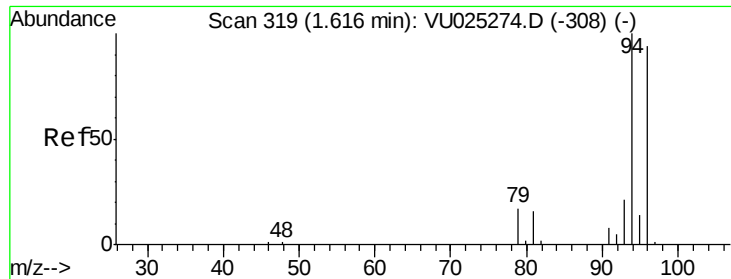
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 56.67 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60912

Ion Ratio Lower Upper

94 100

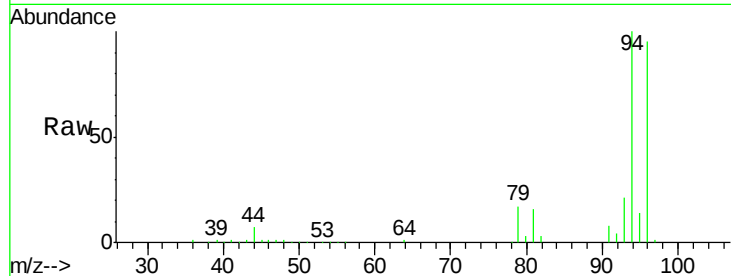
96 95.2 75.0 112.4

Manual Integrations

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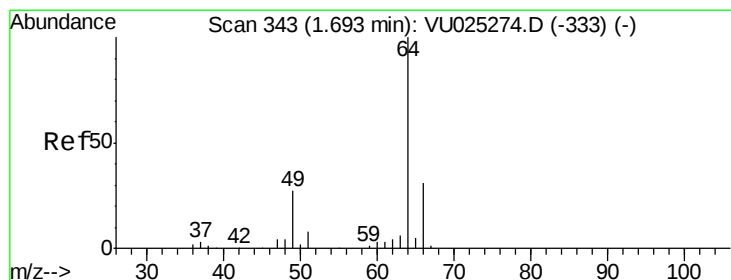
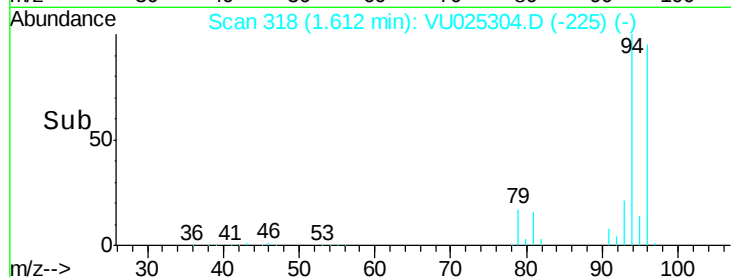
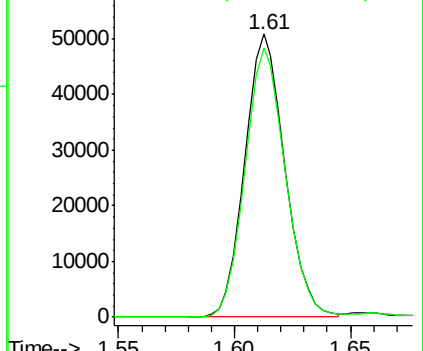
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 48.58 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025304.D

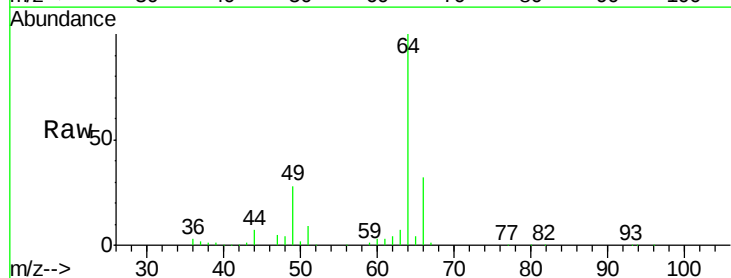
Acq: 10 Jul 2018 21:22

Tgt Ion: 64 Resp: 65863

Ion Ratio Lower Upper

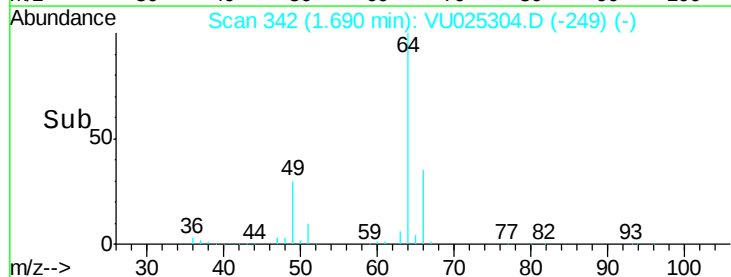
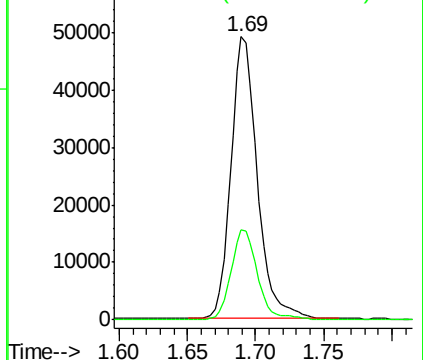
64 100

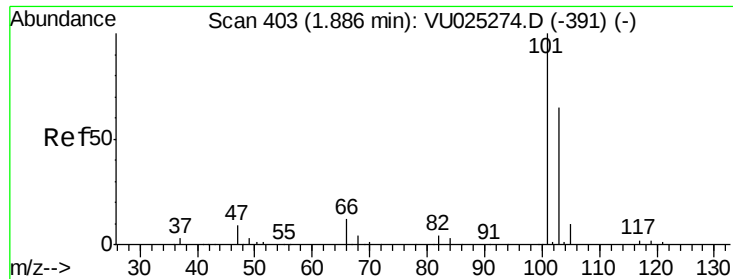
66 31.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 46.33 ug/l

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

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VSTDCCC050EC

Tot Ion:101 Resp: 155285

Ion Ratio Lower Upper

101 100

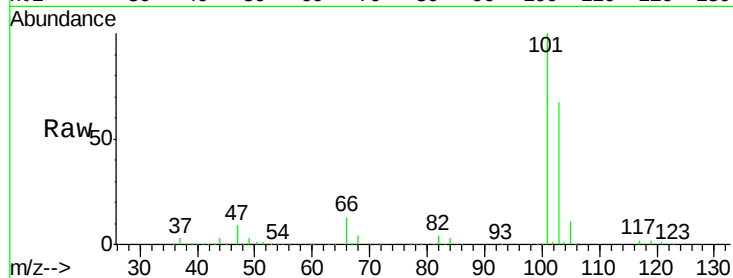
103 67.4 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.88

120000

100000

80000

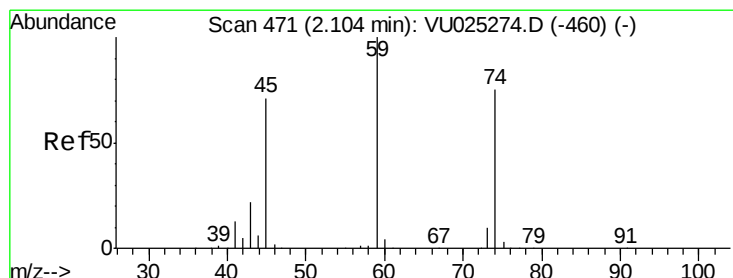
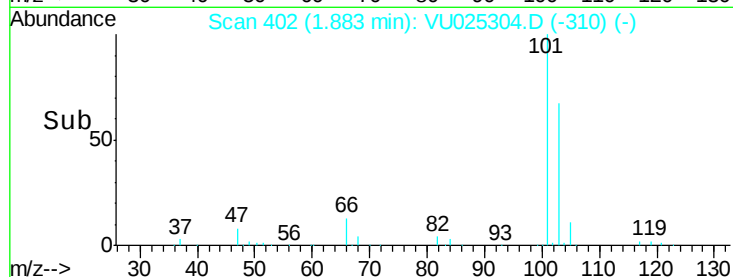
60000

40000

20000

0

Time--> 1.80 1.85 1.90 1.95 2.00



#8

Diethyl Ether

Concen: 48.85 ug/l

RT: 2.10 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU025304.D

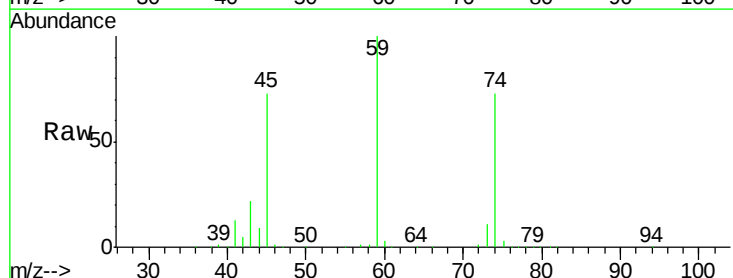
Acq: 10 Jul 2018 21:22

Tgt Ion: 74 Resp: 61432

Ion Ratio Lower Upper

74 100

45 100.1 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

2.10

50000

40000

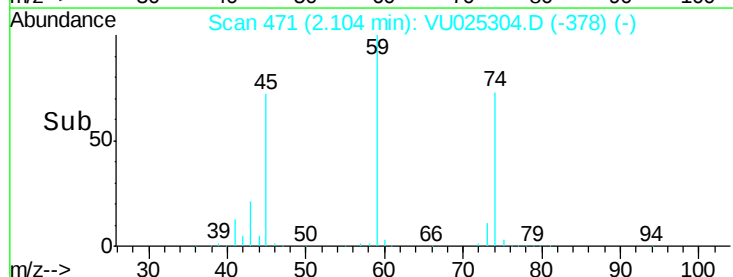
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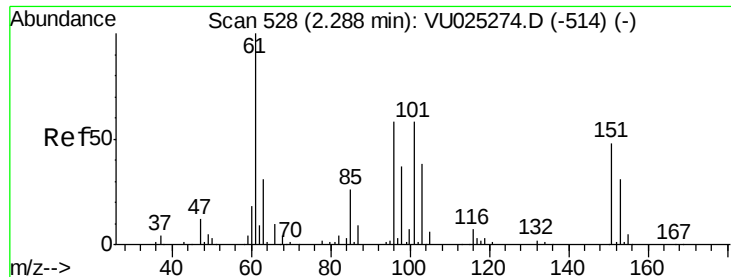
20000

10000

0

Time--> 2.05 2.10 2.15 2.20





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.43 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

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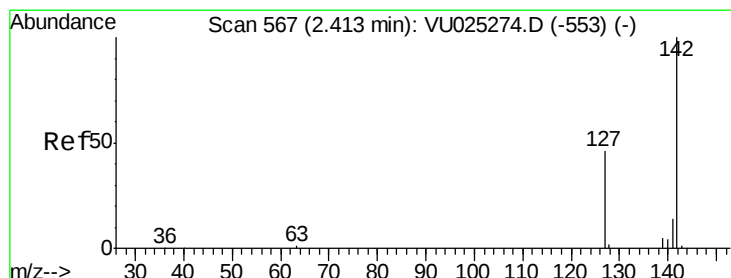
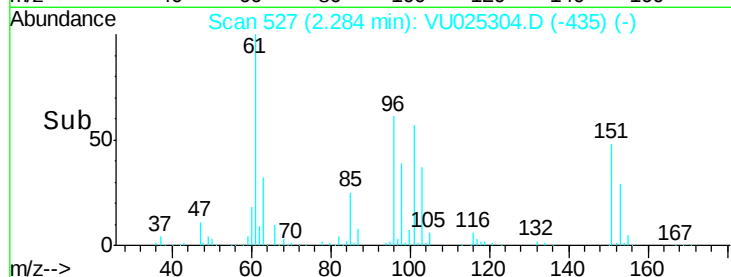
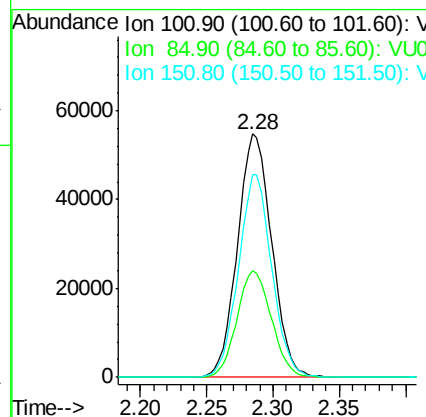
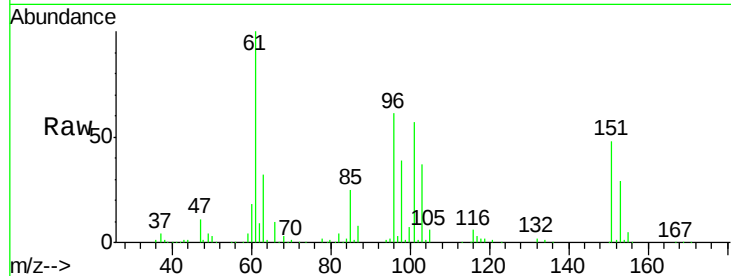
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	98505
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	81.1	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 42.30 ug/l

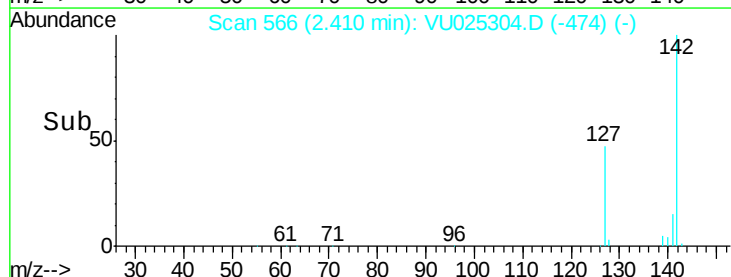
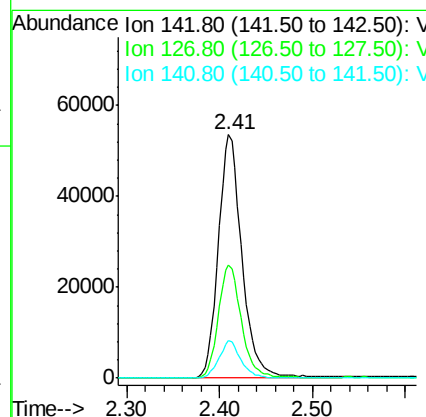
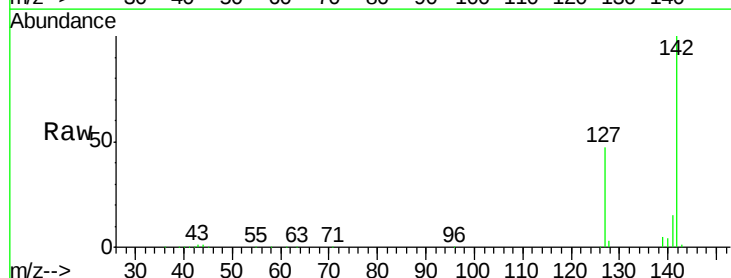
RT: 2.41 min Scan# 566

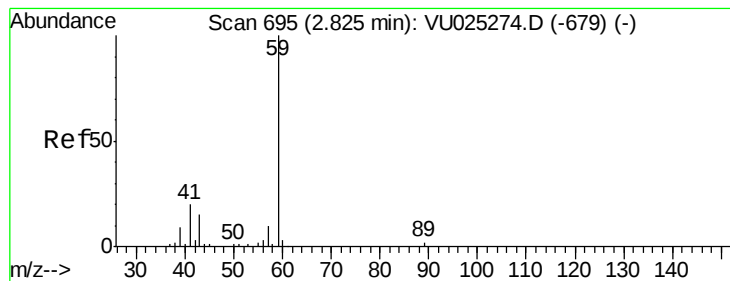
Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion:	142	Resp:	95077
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.5	54.7
141	14.2	11.4	17.2





#11

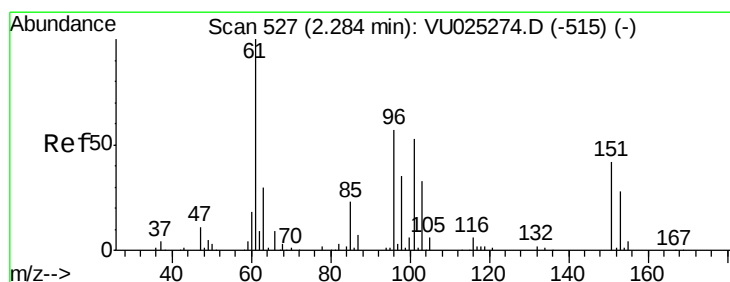
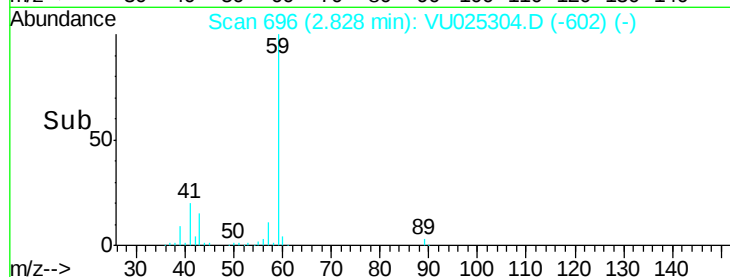
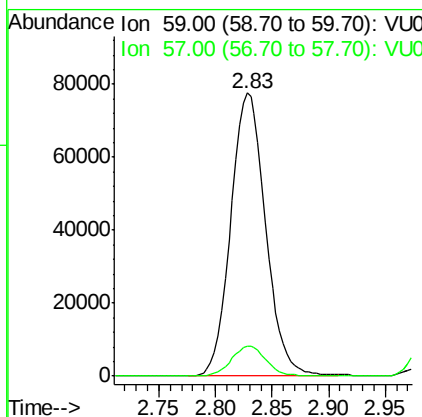
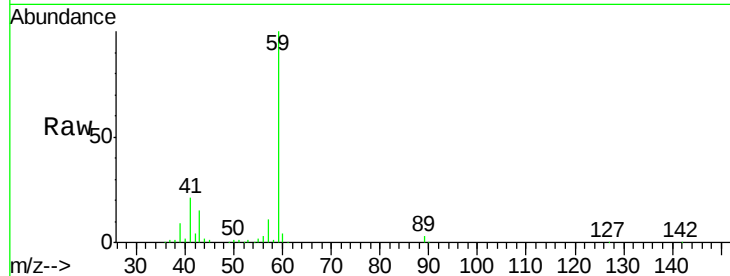
Tert butyl alcohol
 Concen: 261.87 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	166420
Ion Ratio	59	100	
Lower	57	10.7	8.2
Upper			12.2

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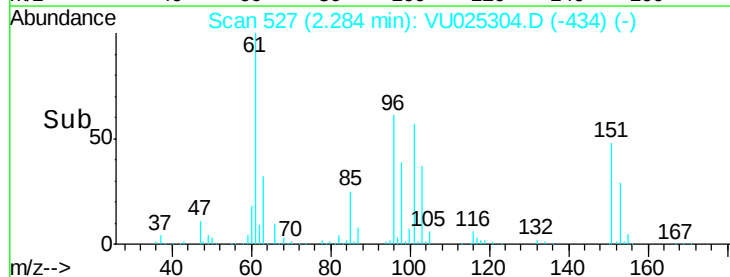
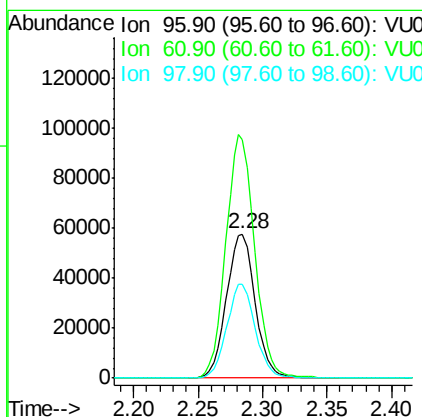
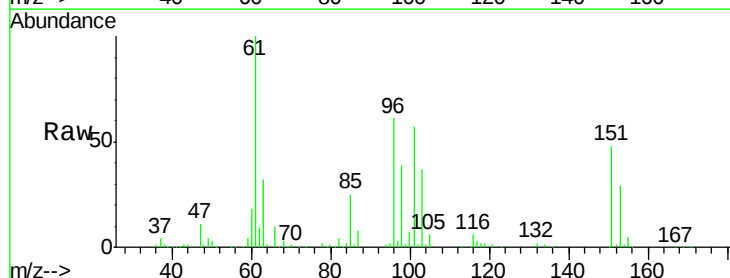
MMDadoda
 7/11/2018 5:06:00 PM

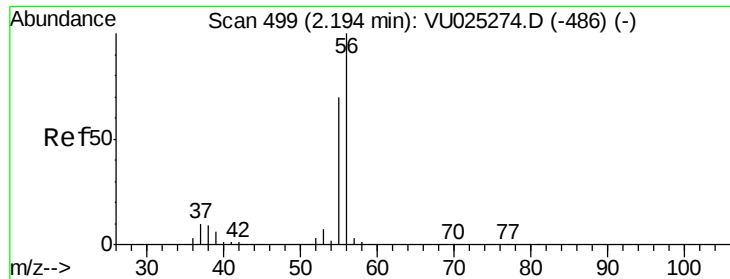


#12

1,1-Dichloroethene
 Concen: 46.99 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	96	Resp	89307
Ion Ratio	96	100	
Lower	61	165.1	140.2
Upper	98	64.9	49.3





#13

Acrolein

Concen: 167.48 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70411

Ion Ratio Lower Upper

56 100

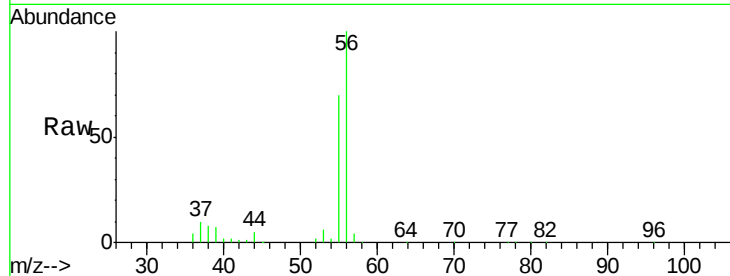
55 70.3 57.2 85.8

Manual Integrations

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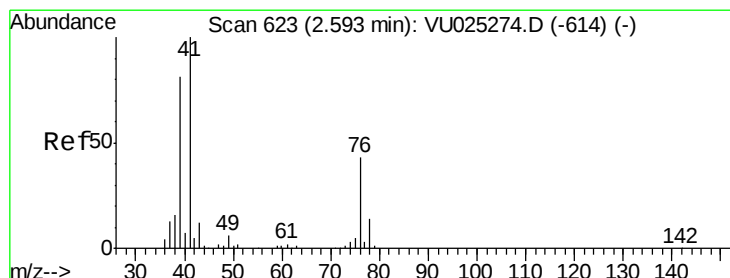
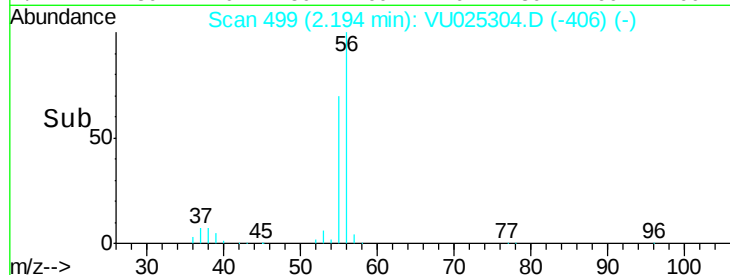
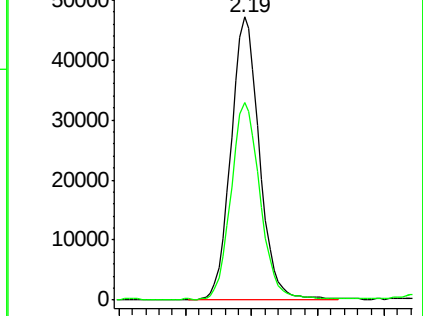
MMDadoda

7/11/2018 5:06:00 PM



Abundance Ion 56.00 (55.70 to 56.70): VU025274.D (-486) (-)

Ion 55.00 (54.70 to 55.70): VU025274.D (-486) (-)



#14

Allyl chloride

Concen: 44.57 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

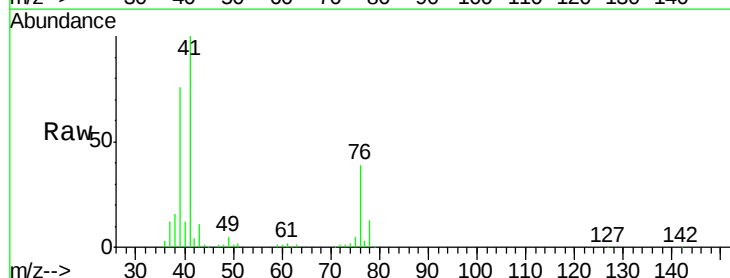
Tgt Ion: 41 Resp: 153638

Ion Ratio Lower Upper

41 100

39 77.2 60.6 91.0

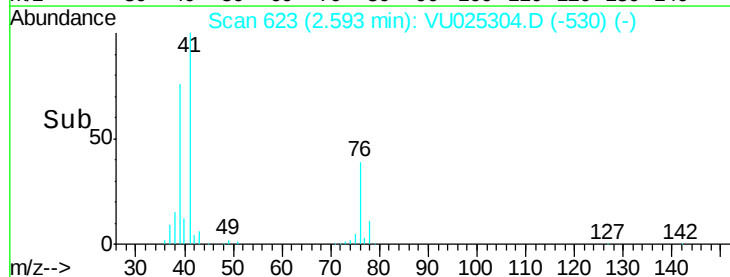
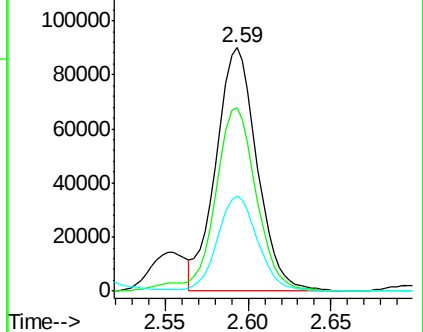
76 38.3 30.5 45.7

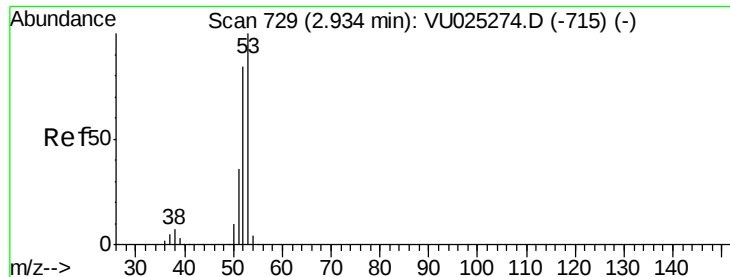


Abundance Ion 41.00 (40.70 to 41.70): VU025274.D (-614) (-)

Ion 39.00 (38.70 to 39.70): VU025274.D (-614) (-)

Ion 75.90 (75.60 to 76.60): VU025274.D (-614) (-)





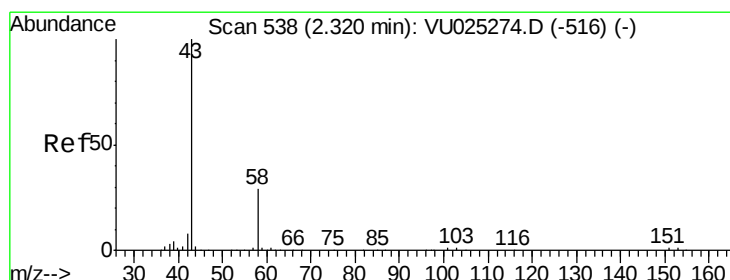
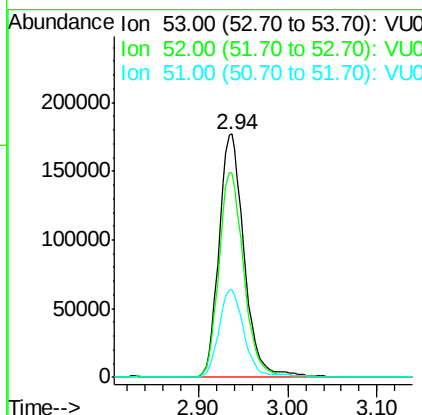
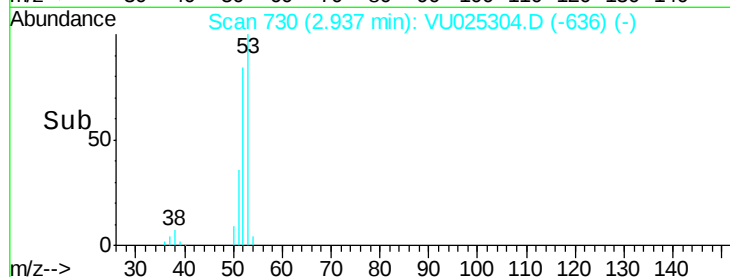
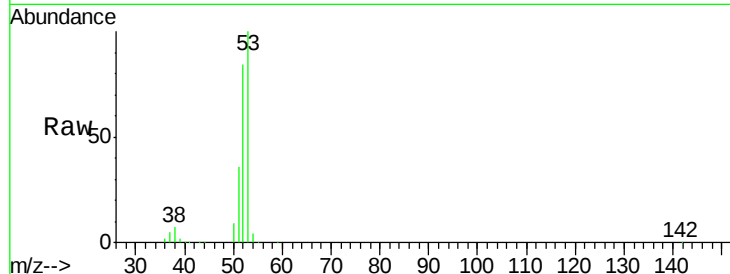
#15
 Acrylonitrile
 Concen: 264.86 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	346058
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	99.8
51	36.8	29.4	44.2

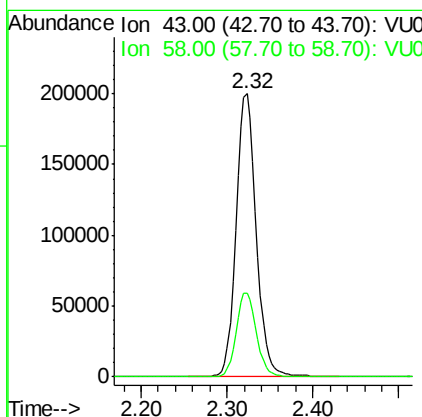
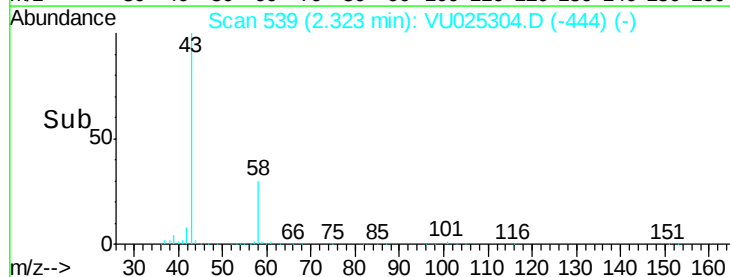
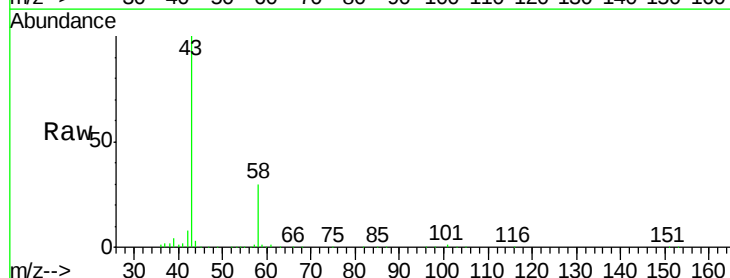
Manual Integrations
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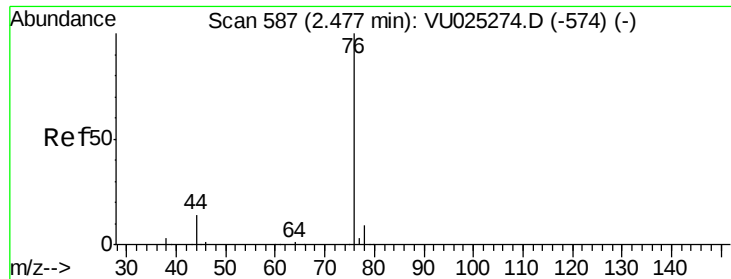
MMDadoda
 7/11/2018 5:06:00 PM



#16
 Acetone
 Concen: 217.70 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion:	43	Resp:	322665
Ion Ratio	Lower	Upper	
43	100		
58	29.7	23.1	34.7





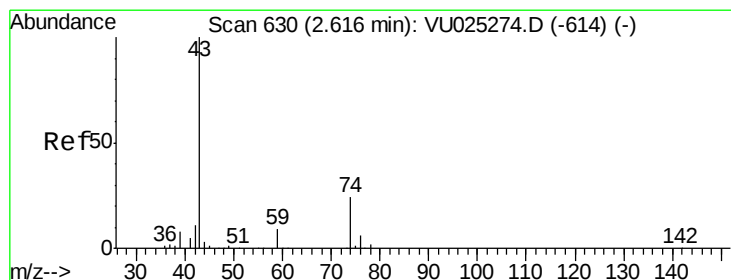
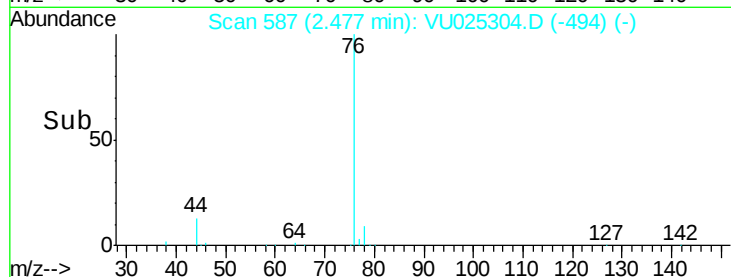
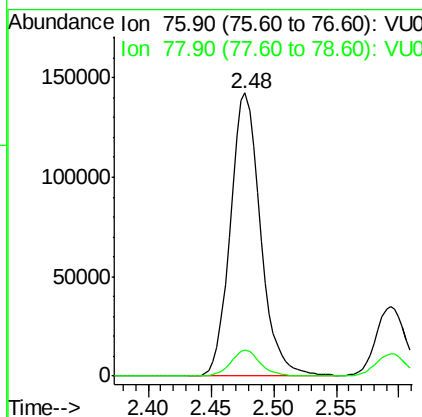
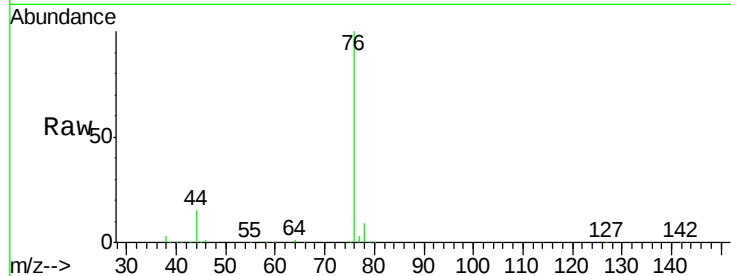
#17
Carbon Disulfide
Concen: 43.15 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

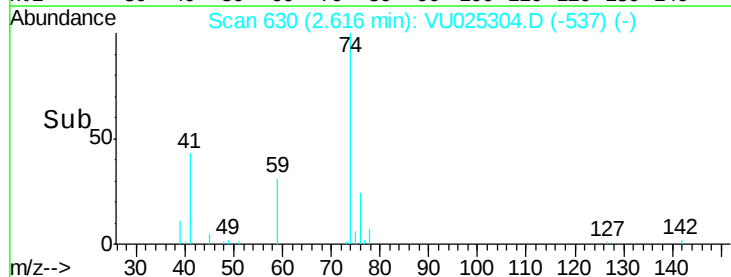
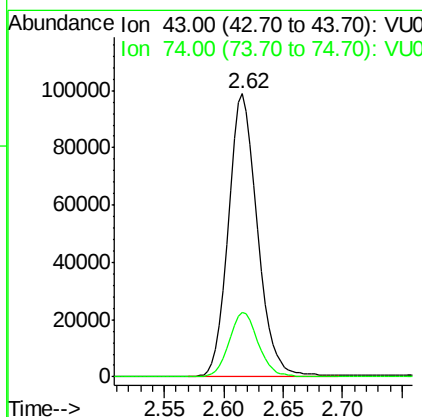
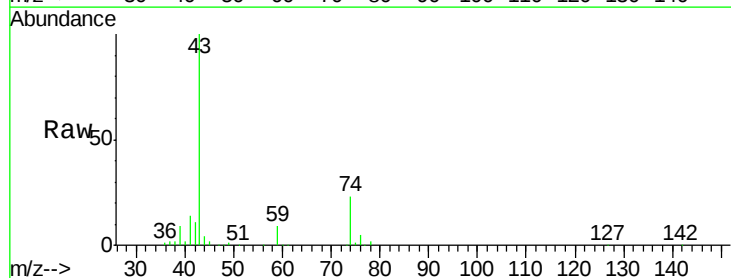
Manual Integrations
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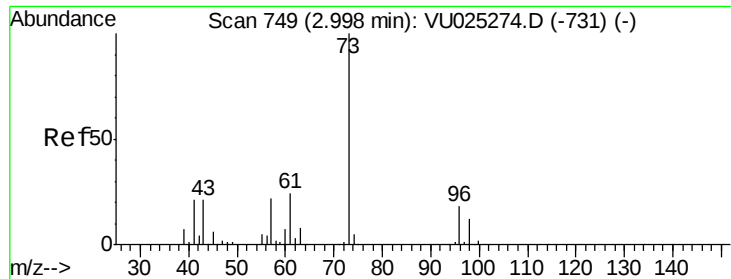
MMDadoda
7/11/2018 5:06:00 PM



#18
Methyl Acetate
Concen: 55.66 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.5	27.7





#19

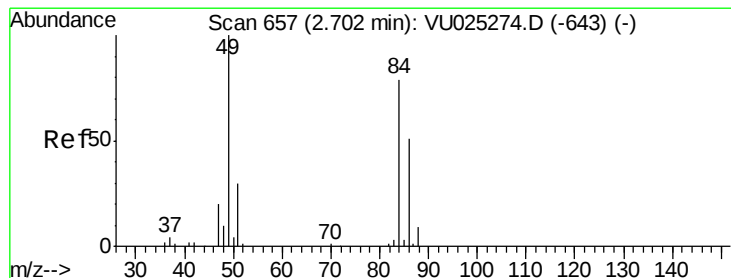
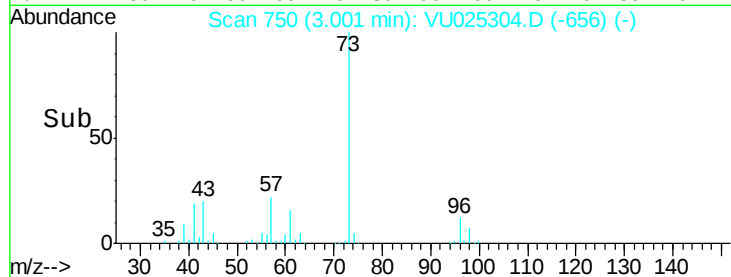
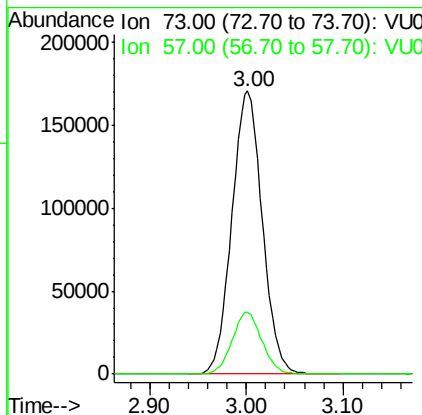
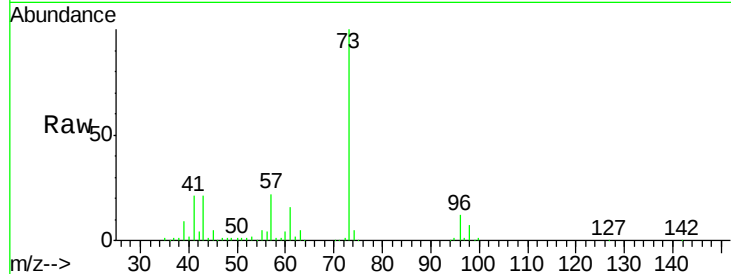
Methyl tert-butyl Ether
 Concen: 51.47 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

Manual Integrations
 APPROVED

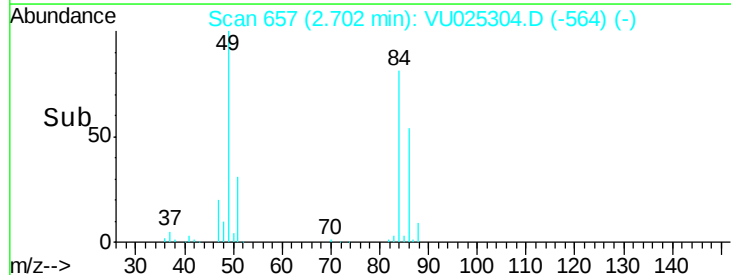
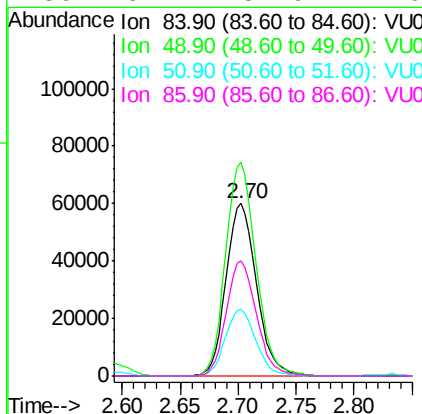
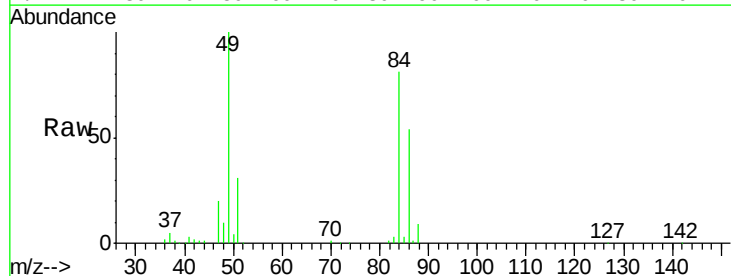
MMDadoda
 7/11/2018 5:06:00 PM

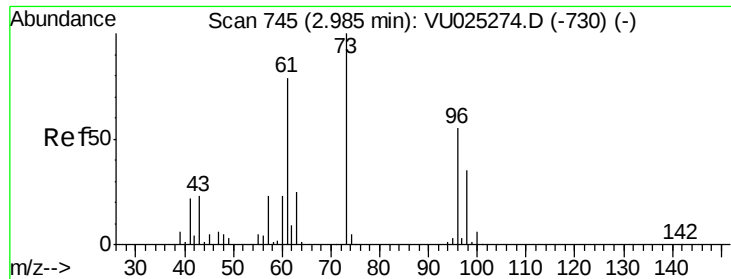


#20

Methylene Chloride
 Concen: 48.48 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.9	101.8	152.6
51	38.5	30.8	46.2
86	67.1	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 47.17 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 102462

Ion Ratio Lower Upper

96 100

61 135.6 114.5 171.7

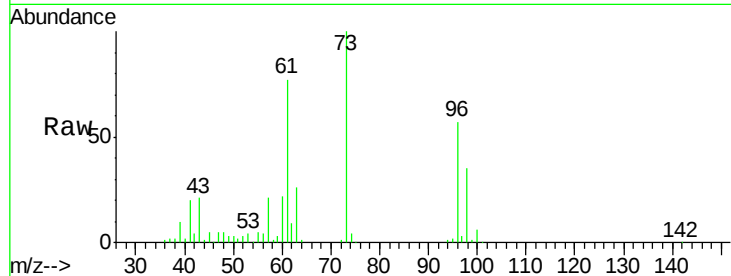
98 62.0 50.5 75.7

Manual Integrations

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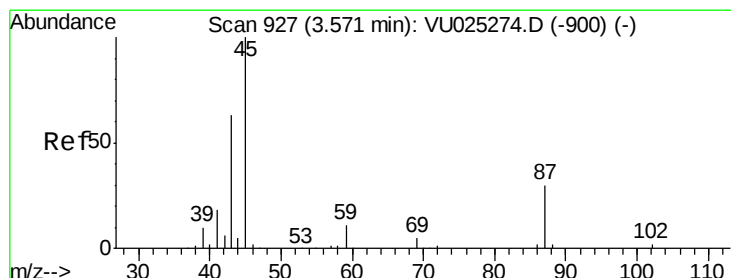
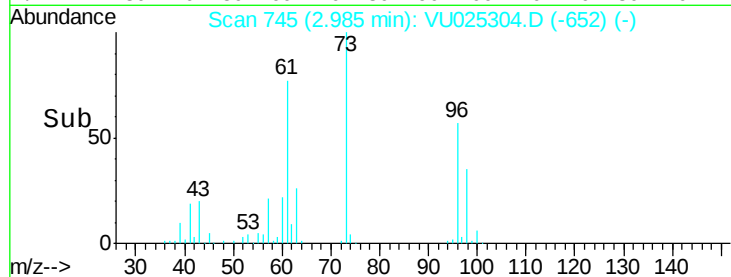
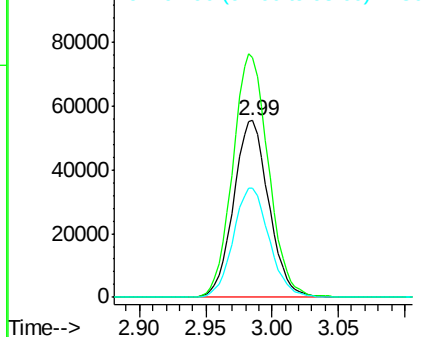


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.18 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion: 45 Resp: 353254

Ion Ratio Lower Upper

45 100

43 58.3 50.9 76.3

87 28.4 23.8 35.8

59 11.4 9.0 13.4

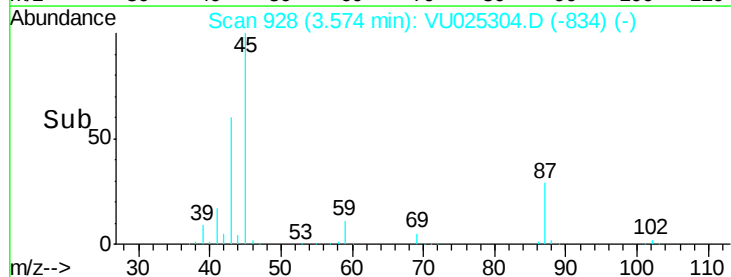
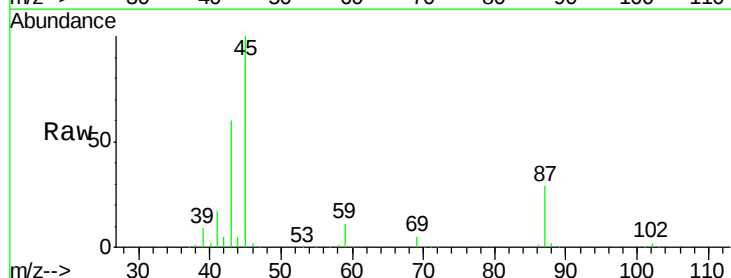
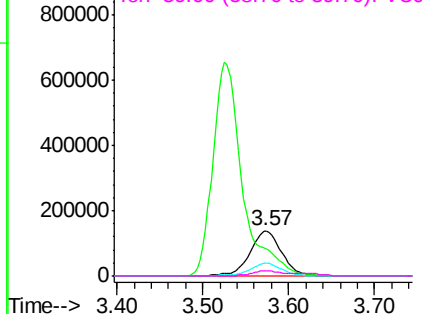
Abundance

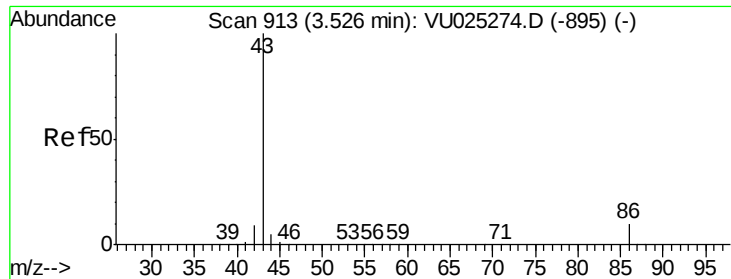
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.49 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tot Ion: 43 Resp: 1571577

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

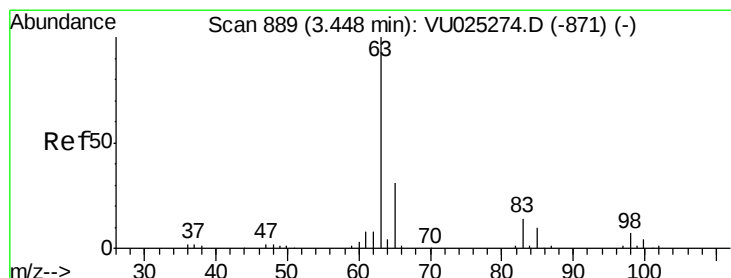
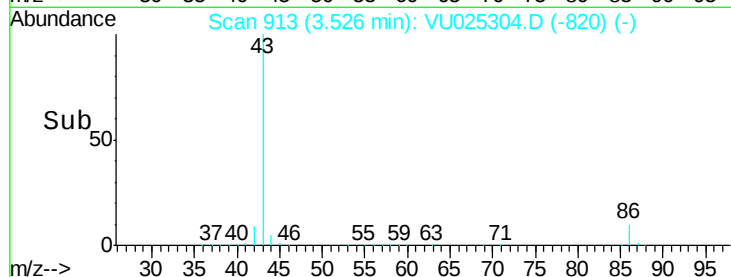
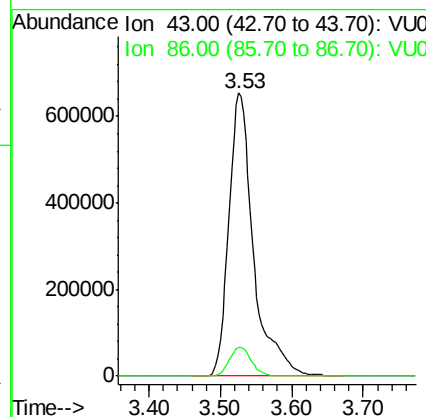
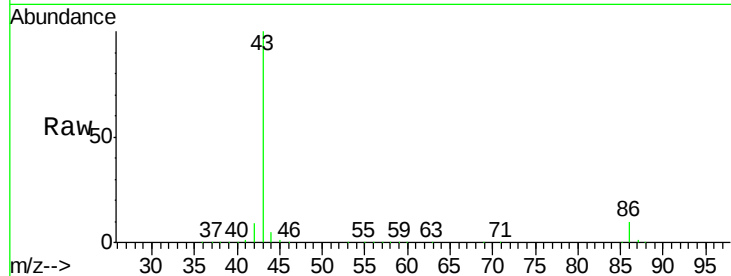
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 50.79 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

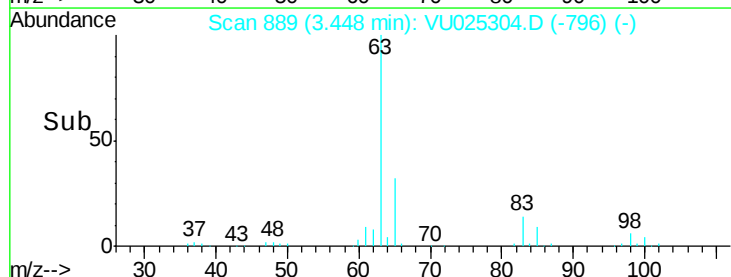
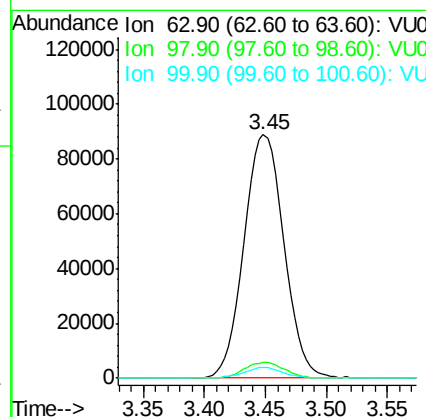
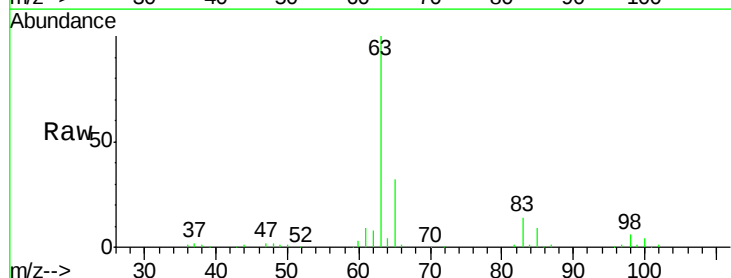
Tgt Ion: 63 Resp: 201638

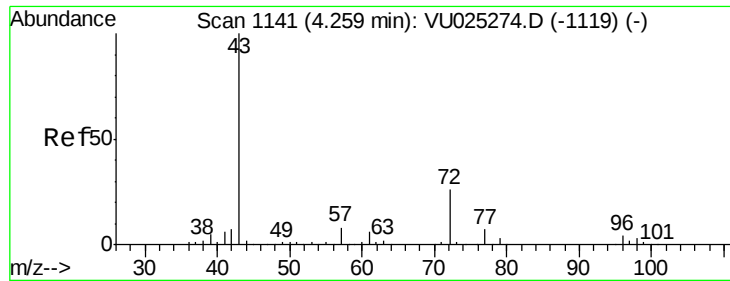
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 251.52 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 507874

Ion Ratio Lower Upper

43 100

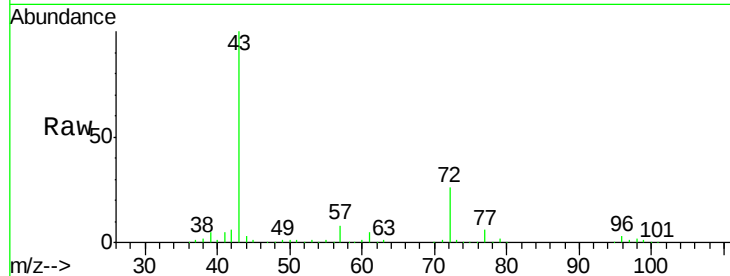
72 26.1 21.0 31.4

Manual Integrations

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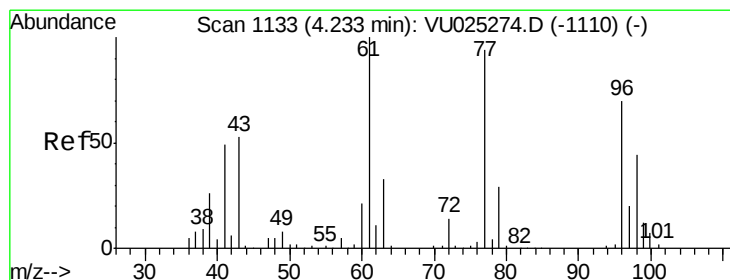
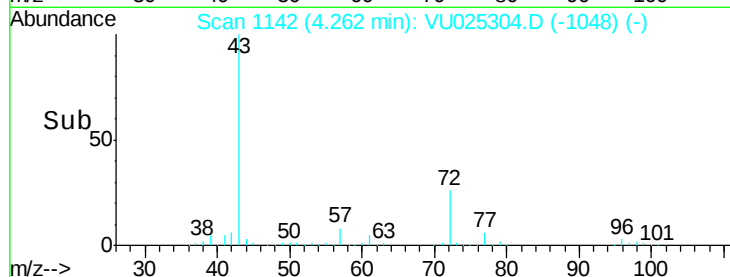
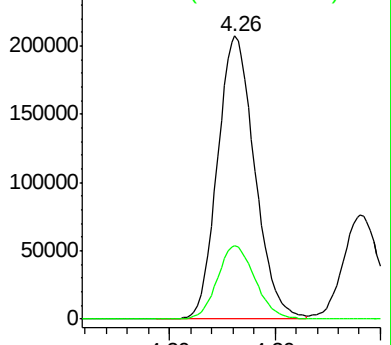
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 39.30 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025304.D

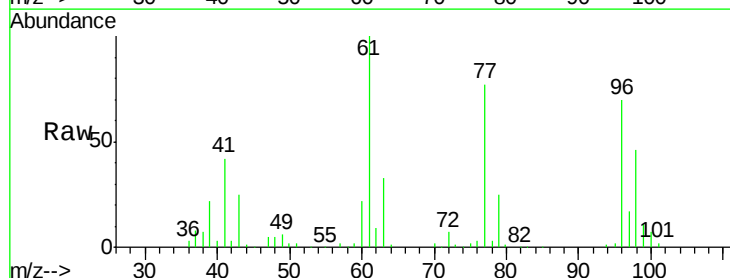
Acq: 10 Jul 2018 21:22

Tgt Ion: 77 Resp: 150002

Ion Ratio Lower Upper

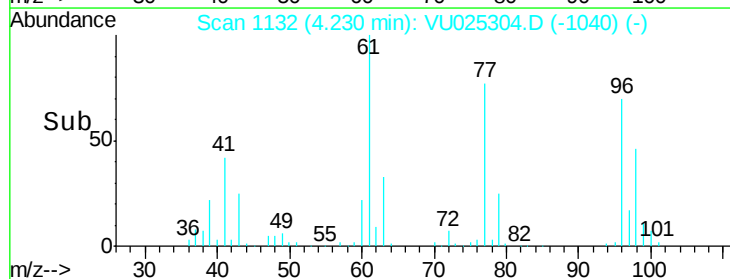
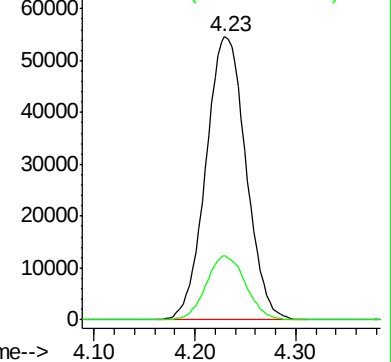
77 100

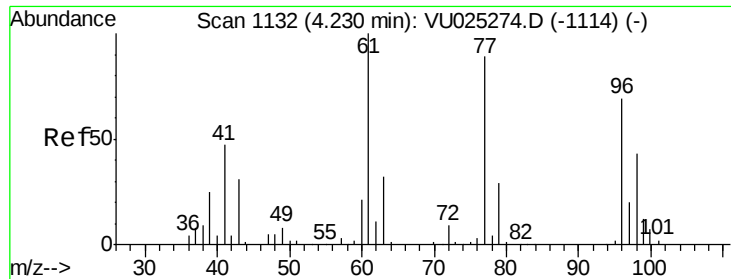
97 22.4 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 48.07 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 120815

Ion Ratio Lower Upper

96 100

61 147.4 0.0 299.8

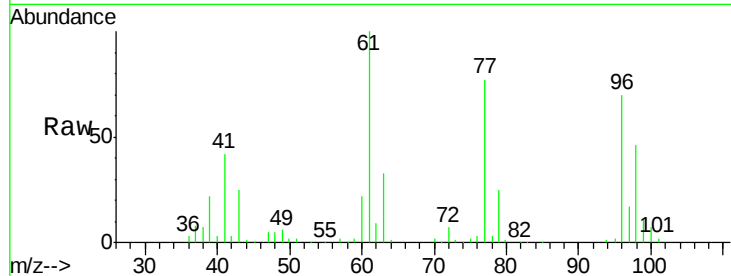
98 64.7 0.0 128.6

Manual Integrations

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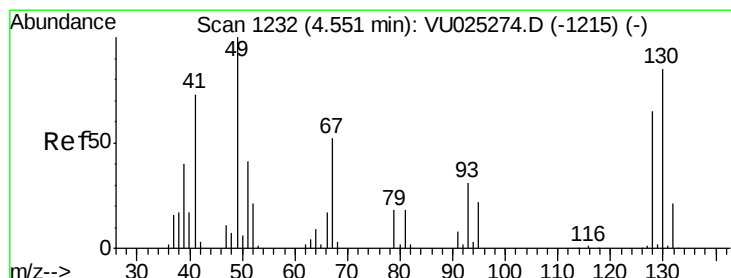
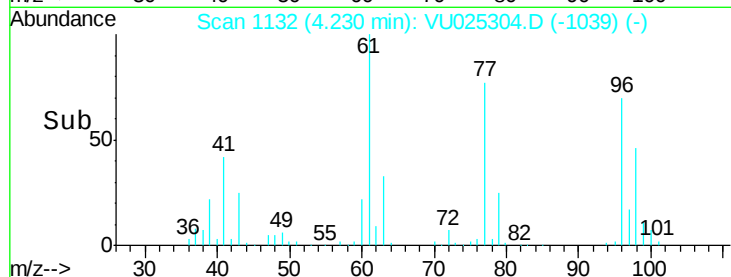
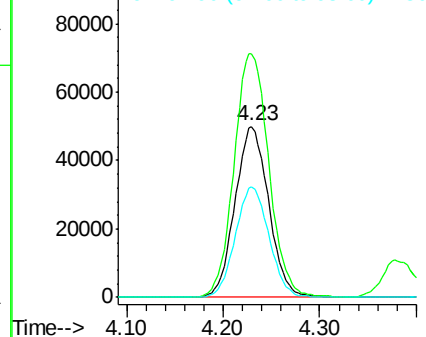
7/11/2018 5:06:00 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 48.75 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

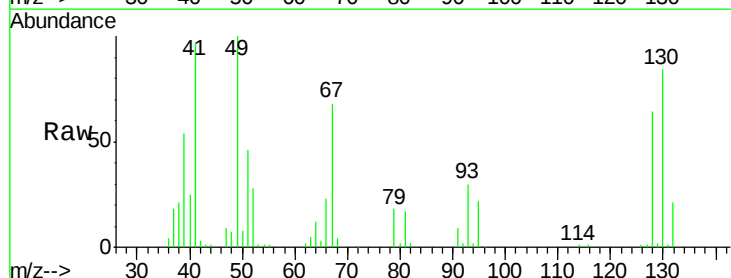
Tgt Ion: 49 Resp: 93458

Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.6

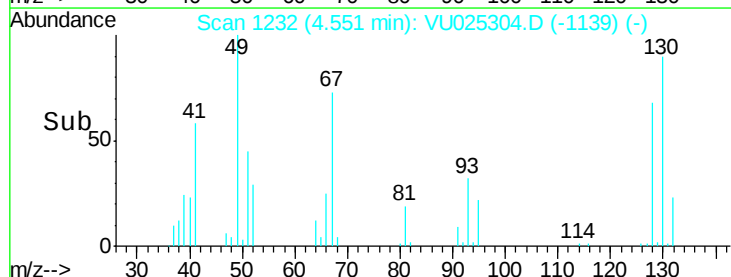
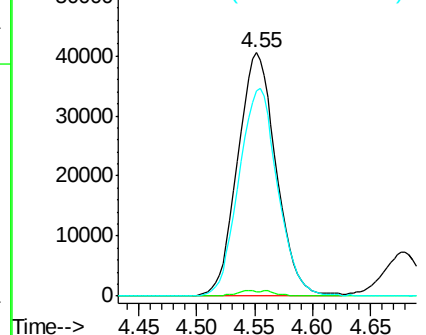
130 86.1 68.6 102.8

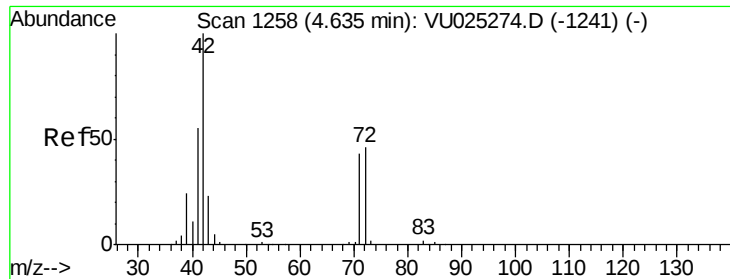


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





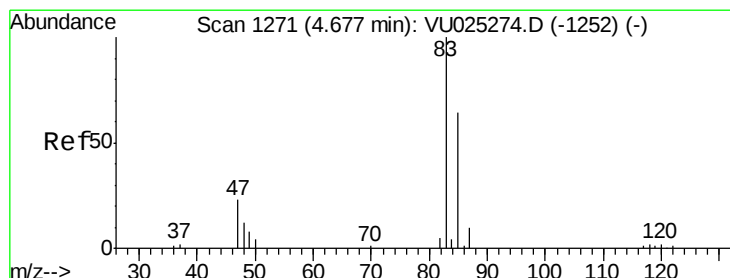
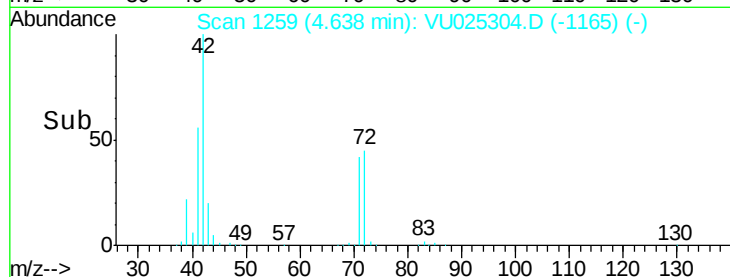
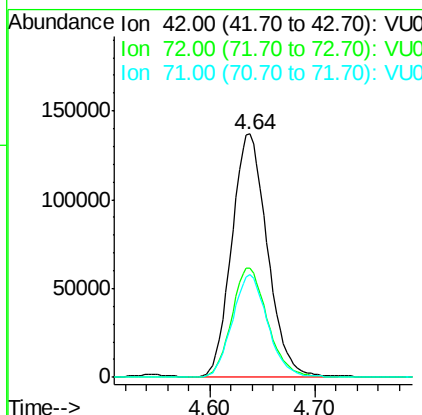
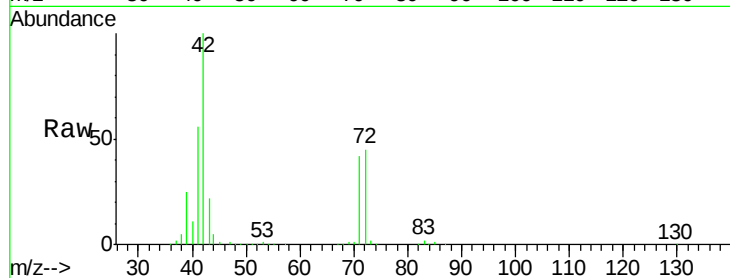
#29
Tetrahydrofuran
Concen: 264.25 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.7	55.1
71	42.1	33.9	50.9

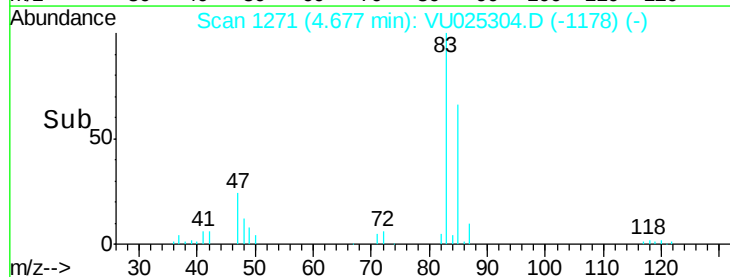
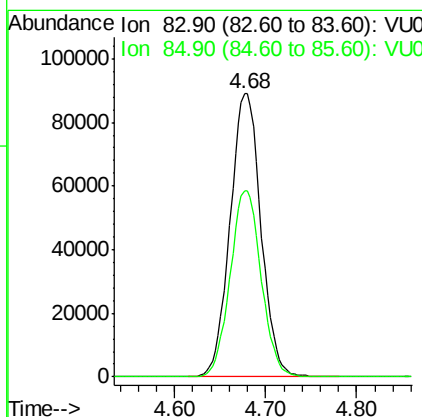
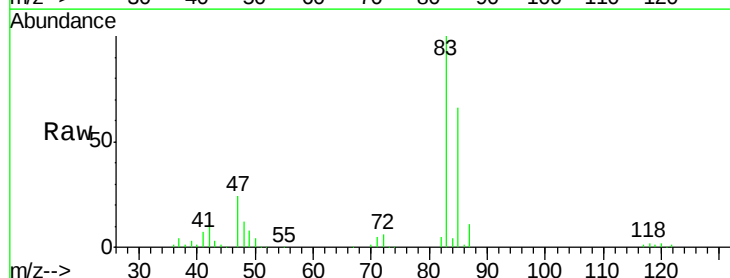
Manual Integrations
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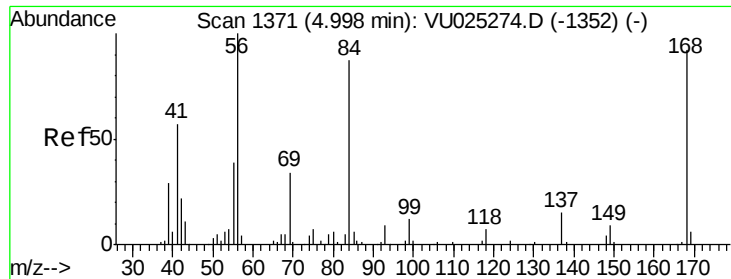
MMDadoda
7/11/2018 5:06:00 PM



#30
Chloroform
Concen: 49.89 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





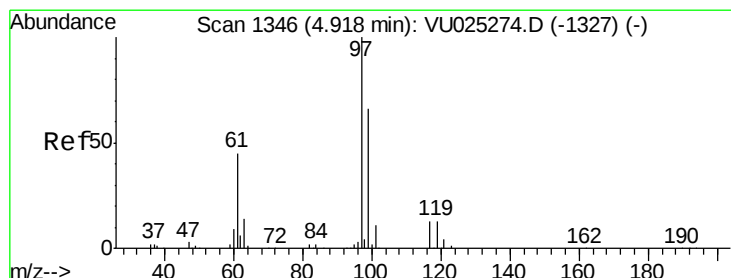
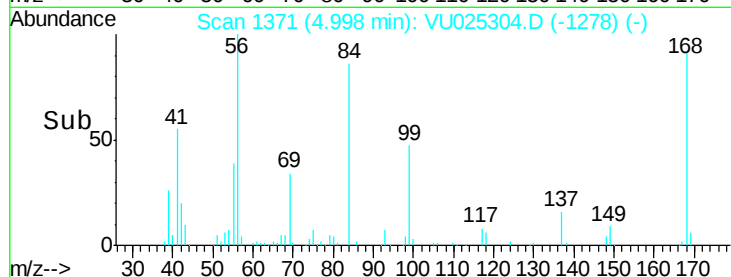
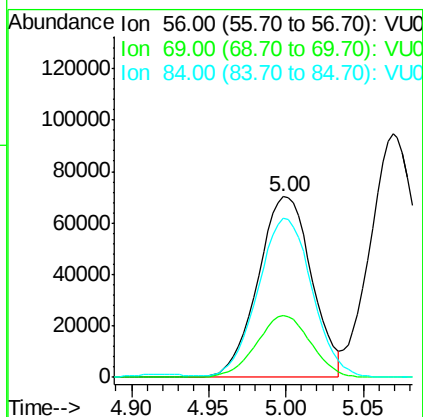
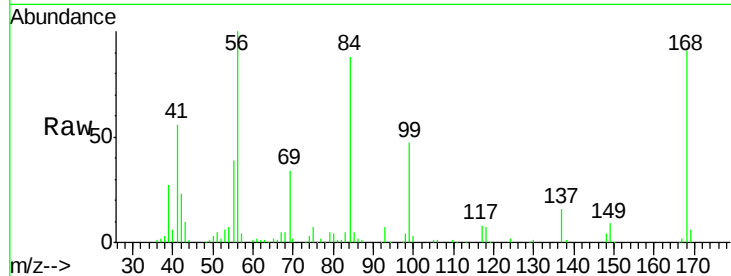
#31
Cyclohexane
Concen: 46.24 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.8	40.2
84	87.1	69.7	104.5

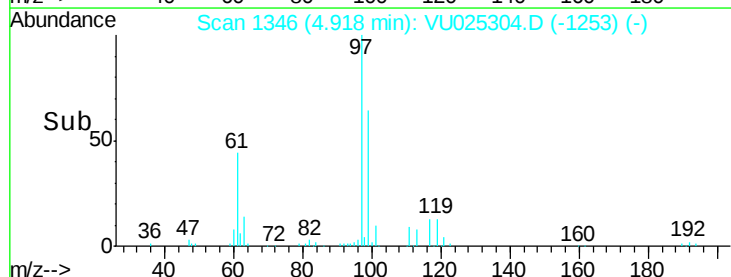
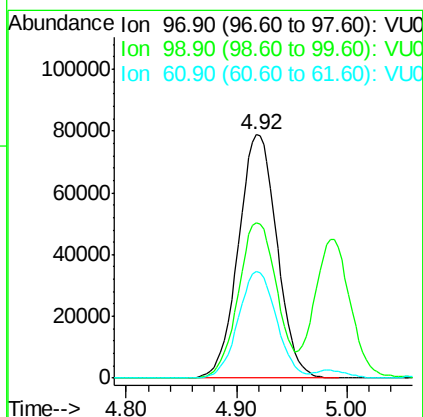
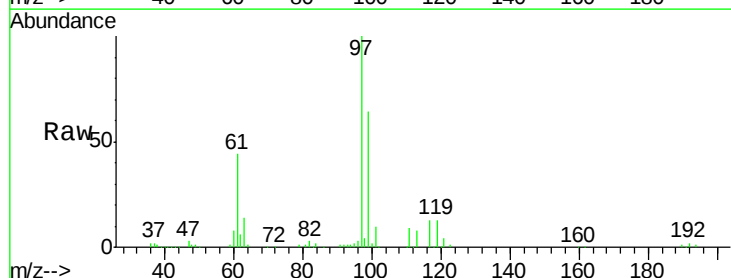
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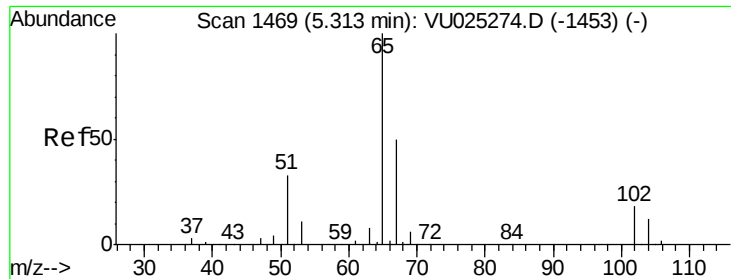
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.10 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.8	76.2
61	43.3	35.2	52.8





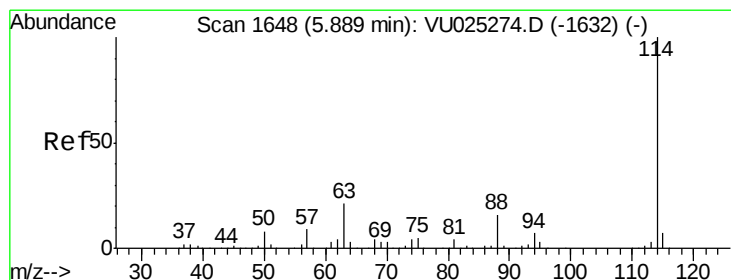
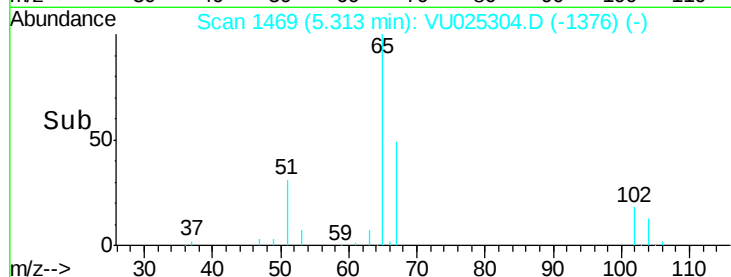
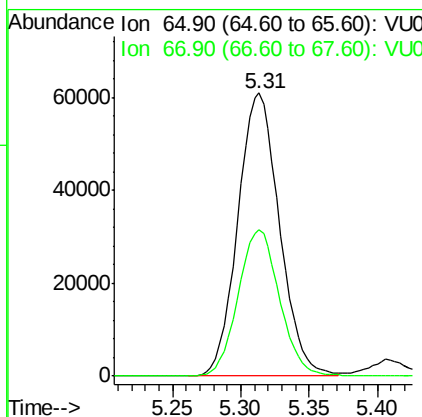
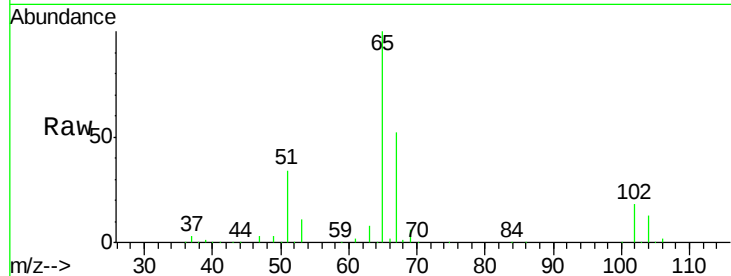
#33
 1,2-Dichloroethane-d4
 Concen: 44.37 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129258		
67	51.6	0.0	103.6	

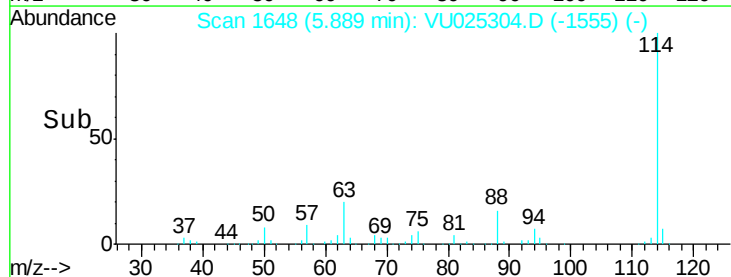
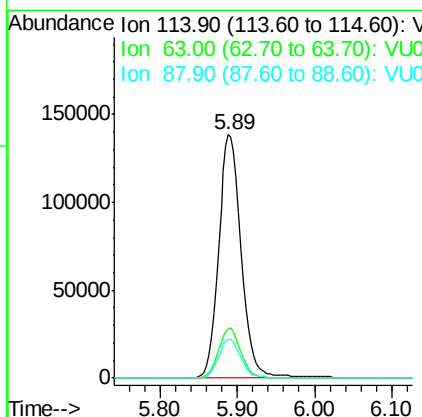
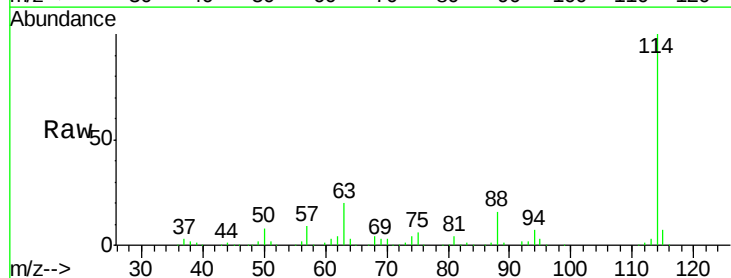
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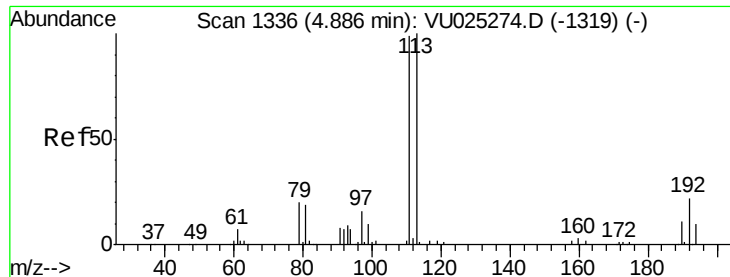
MMDadoda
 7/11/2018 5:06:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283504		
63	20.4	0.0	41.6	
88	16.1	0.0	32.4	





#35

Dibromofluoromethane

Concen: 44.56 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

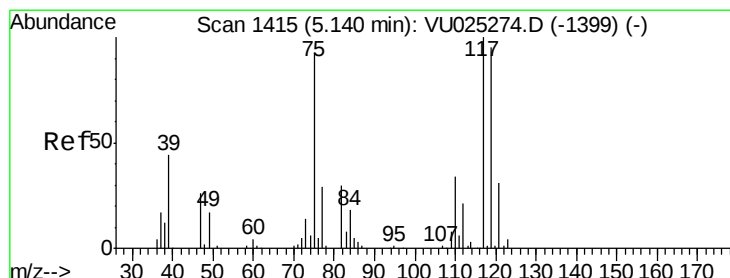
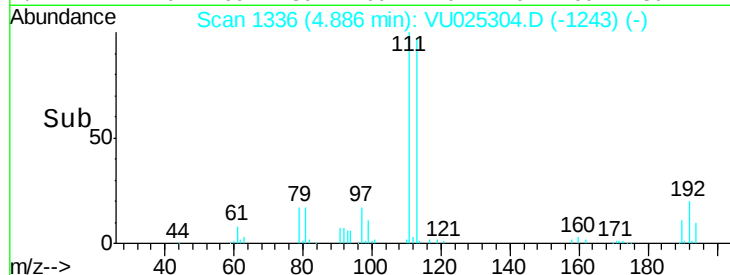
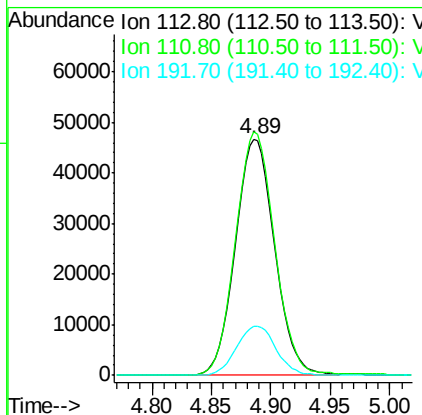
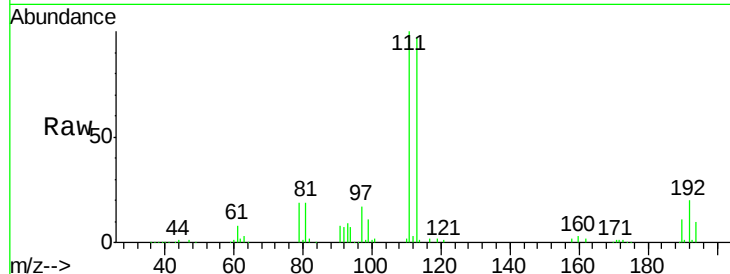
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	106576
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.7	122.5
192	21.0	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 46.77 ug/l

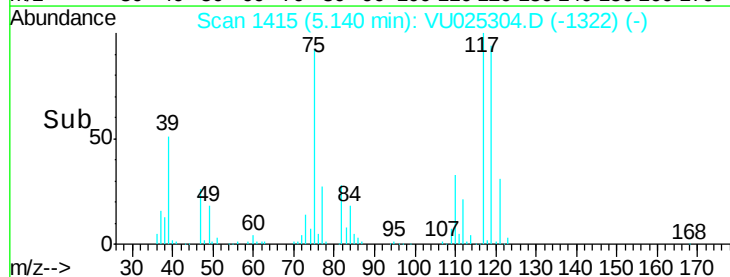
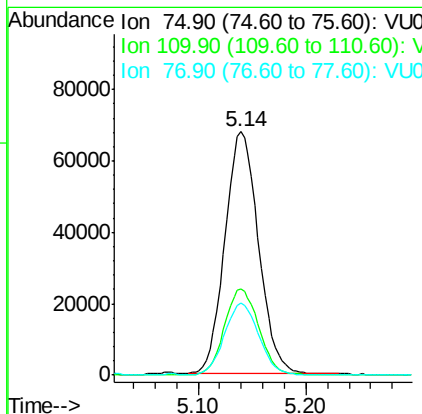
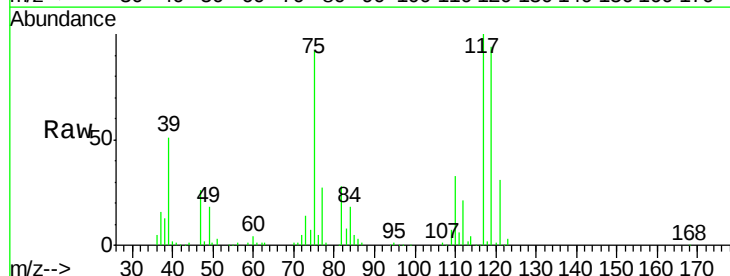
RT: 5.14 min Scan# 1415

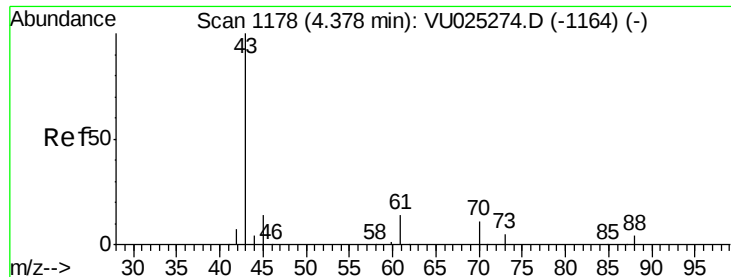
Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion:	75	Resp:	147422
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.6	52.9
77	29.7	24.4	36.6





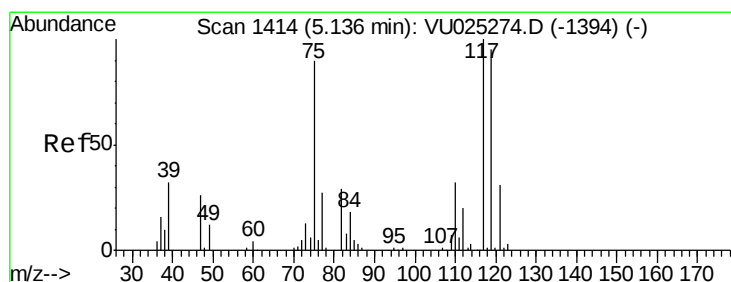
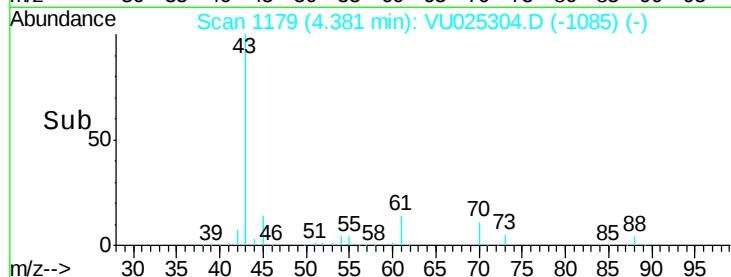
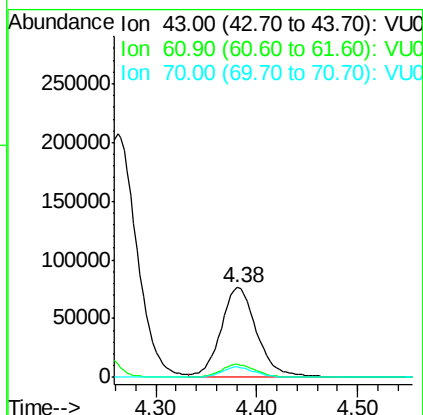
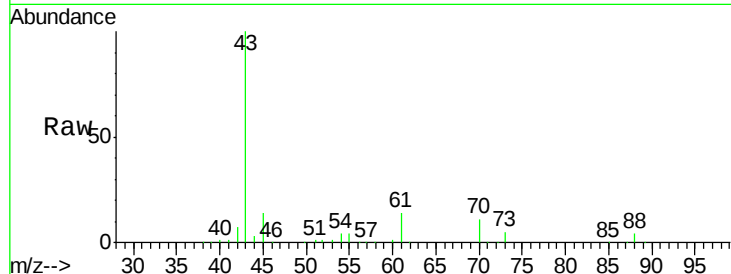
#37
Ethyl Acetate
Concen: 52.96 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	10.9	8.4	12.6

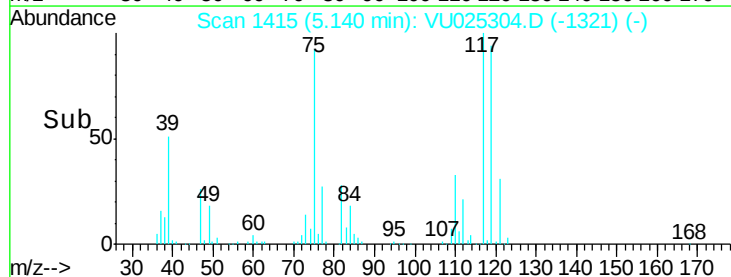
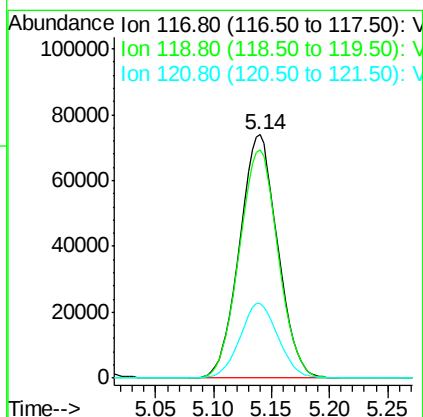
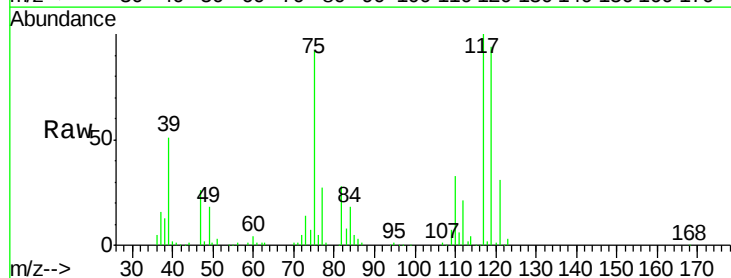
Manual Integrations
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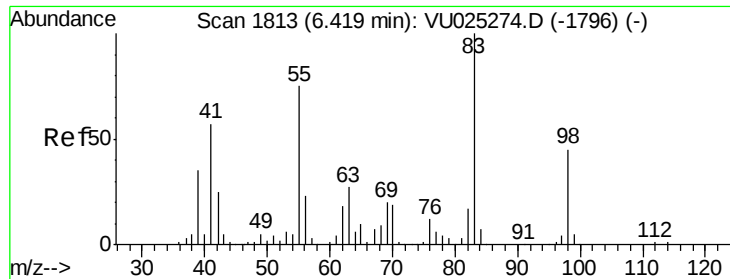
MMDadoda
7/11/2018 5:06:00 PM



#38
Carbon Tetrachloride
Concen: 49.81 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.7	113.5
121	30.5	24.6	36.8





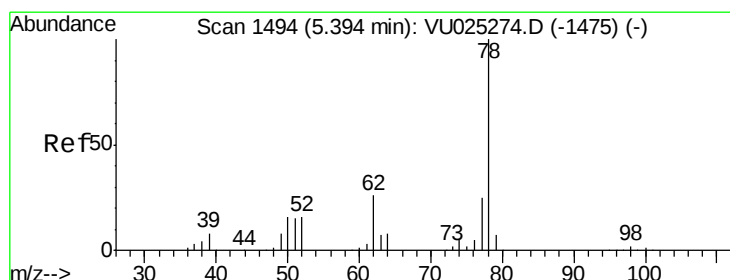
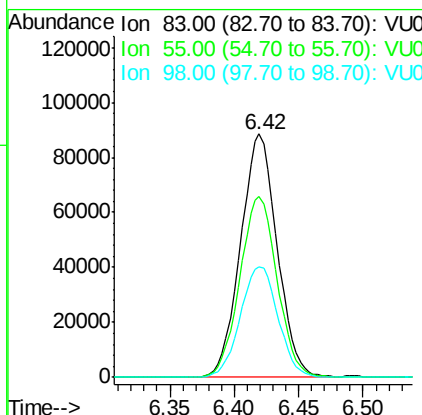
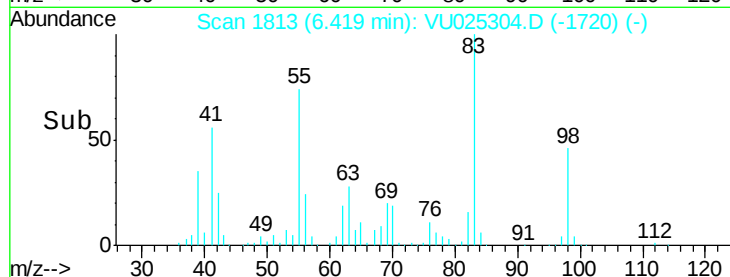
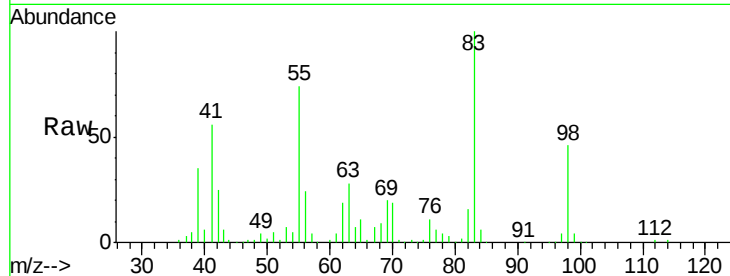
#39
Methvlcvclohexane
Concen: 44.52 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.0	90.0
98	45.6	36.1	54.1

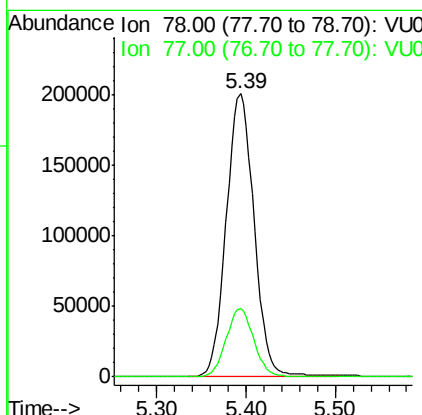
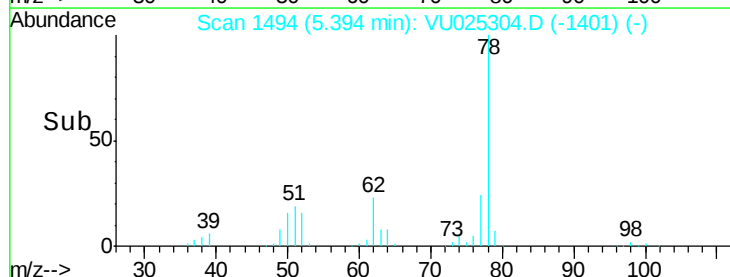
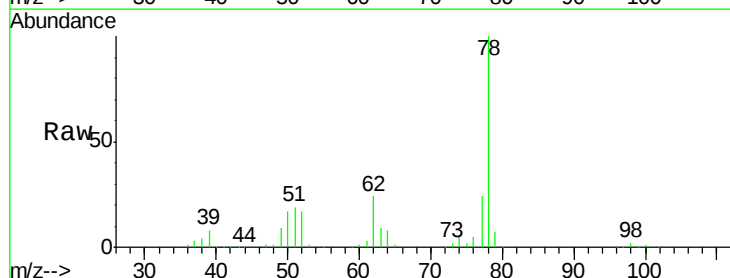
Manual Integrations
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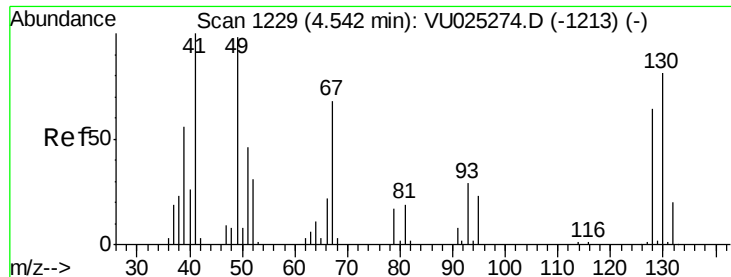
MMDadoda
7/11/2018 5:06:00 PM



#40
Benzene
Concen: 47.85 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





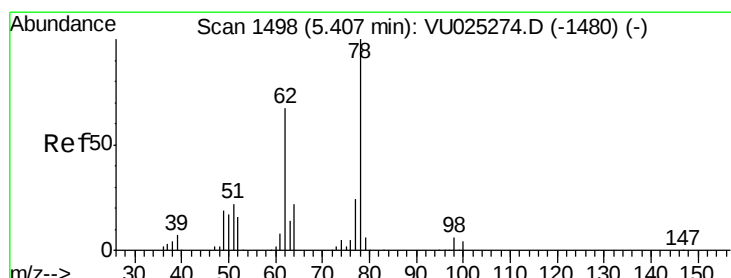
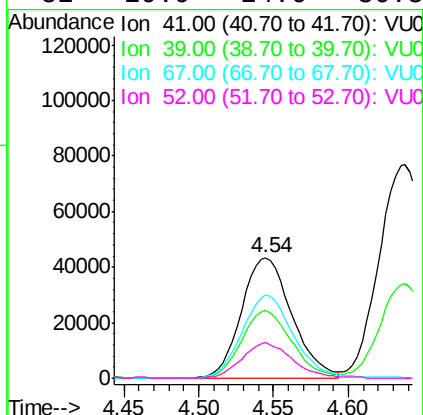
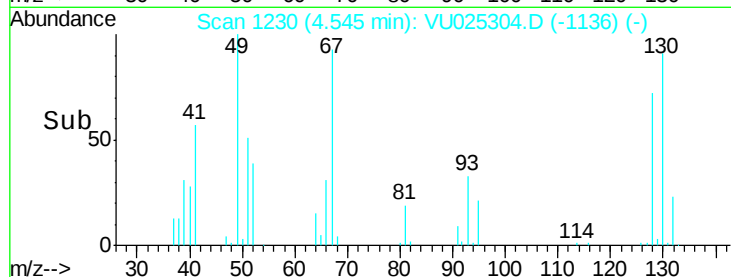
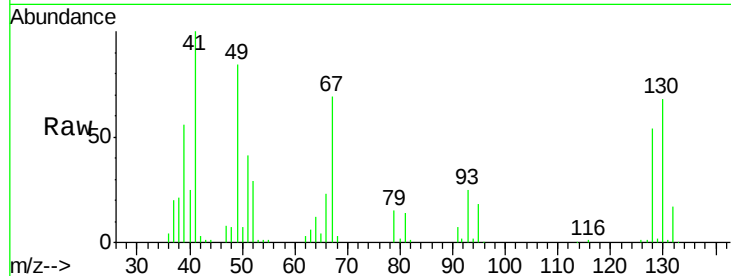
#41
Methacrylonitrile
Concen: 52.33 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	44.4	66.6	
67	70.1	56.0	84.0	
52	29.9	24.6	36.8	

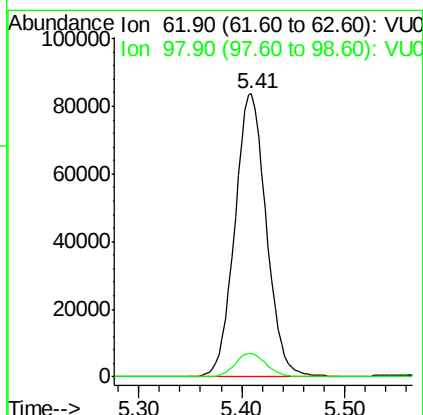
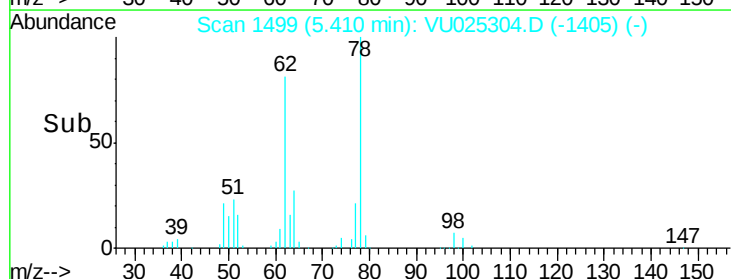
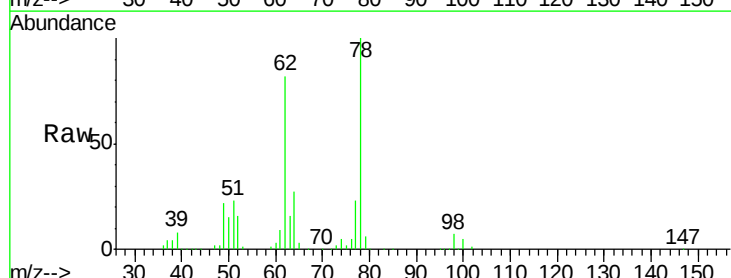
Manual Integrations
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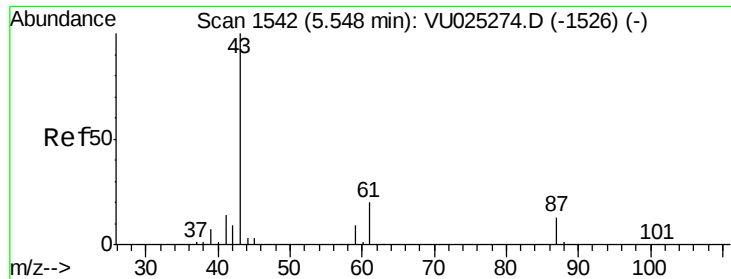
MMDadoda
7/11/2018 5:06:00 PM



#42
1,2-Dichloroethane
Concen: 49.32 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.4	





#43

Isopropyl Acetate

Concen: 51.51 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

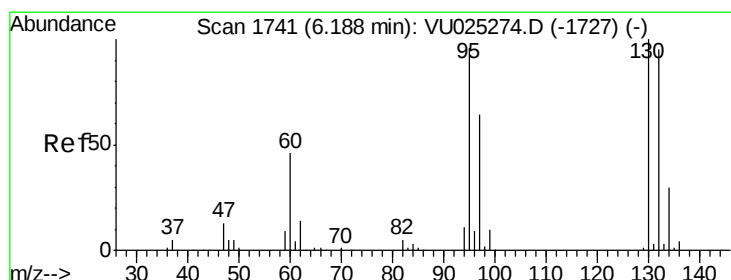
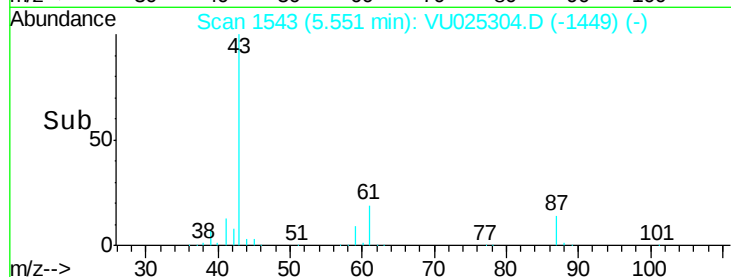
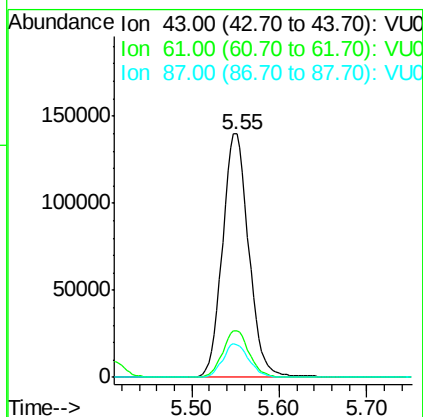
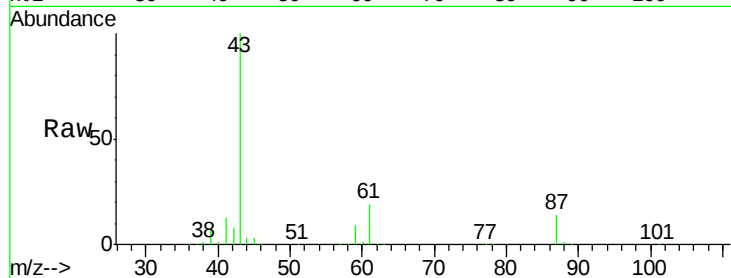
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	289945
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.7	10.6	16.0

Manual Integrations
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MMDadoda
7/11/2018 5:06:00 PM



#44

Trichloroethene

Concen: 47.52 ug/l

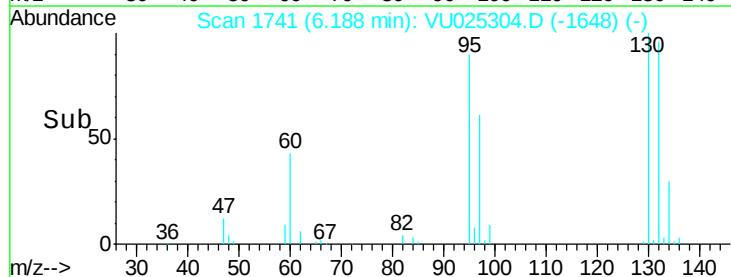
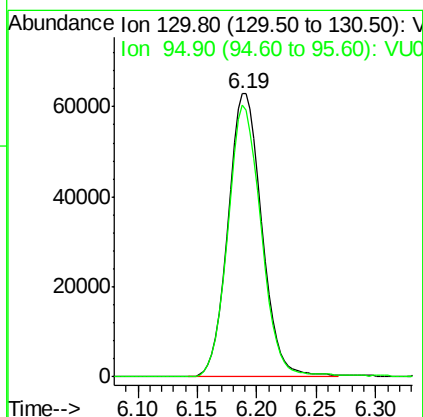
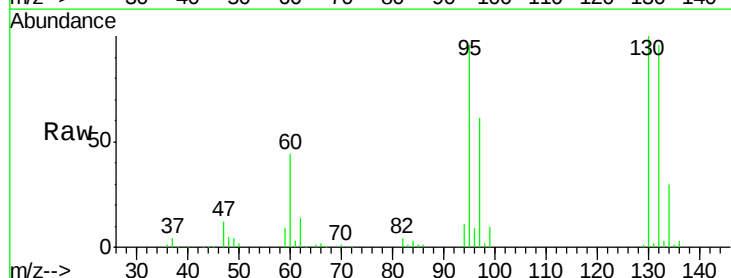
RT: 6.19 min Scan# 1741

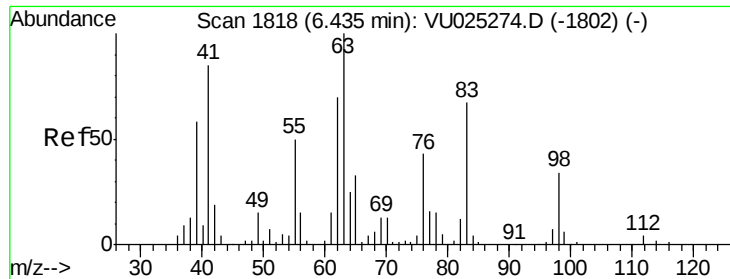
Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion:	130	Resp:	123935
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	192.2





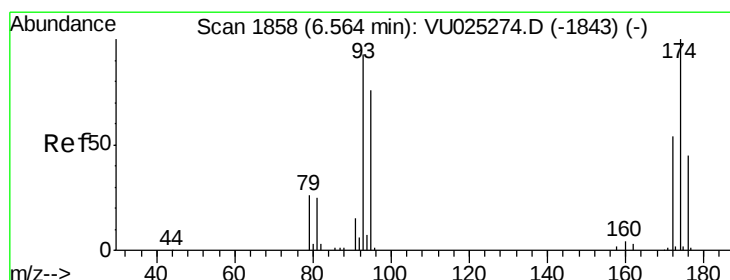
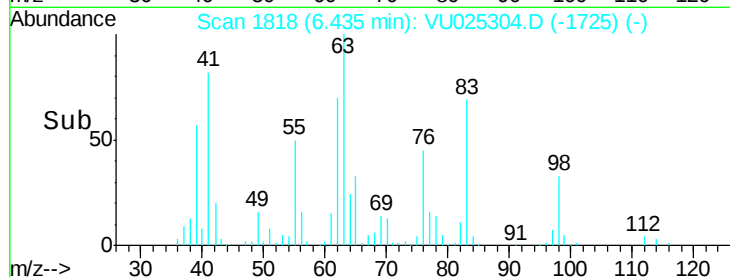
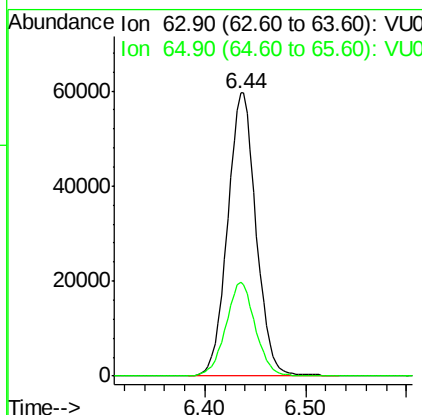
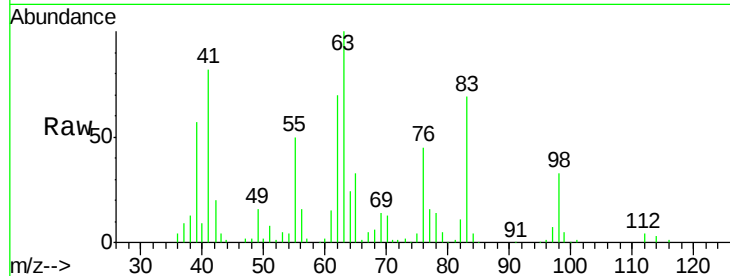
#45
 1,2-Dichloropropane
 Concen: 49.38 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 117485
 Ion Ratio Lower Upper
 63 100
 65 33.2 26.1 39.1

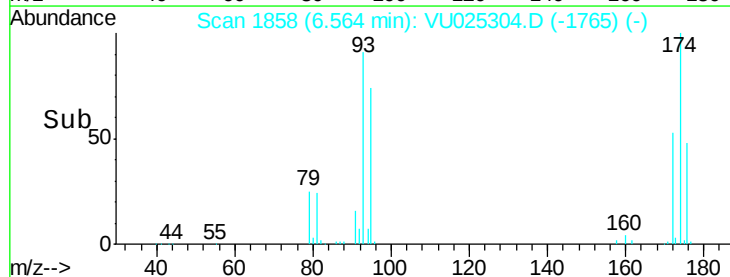
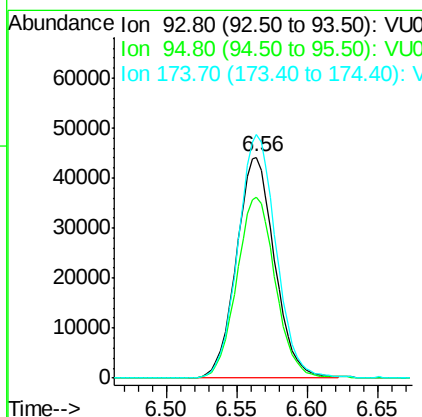
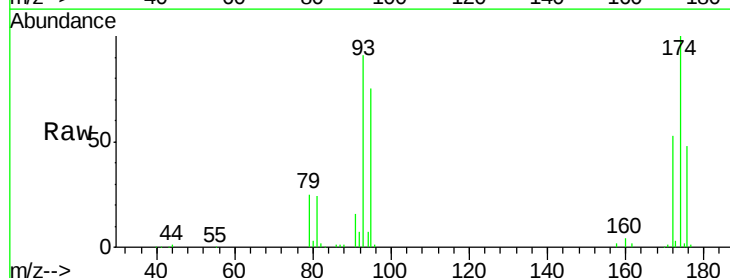
Manual Integrations
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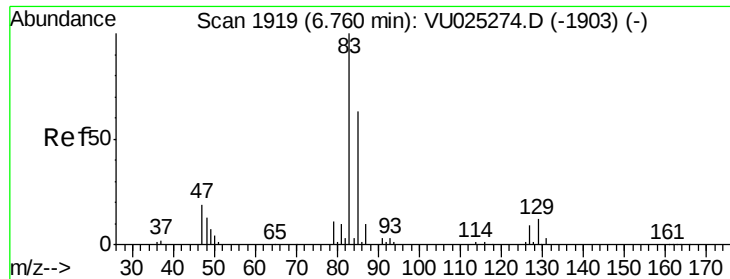
MMDadoda
 7/11/2018 5:06:00 PM



#46
 Dibromomethane
 Concen: 48.41 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion: 93 Resp: 83817
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 110.3 85.8 128.8





#47

Bromodichloromethane

Concen: 50.02 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

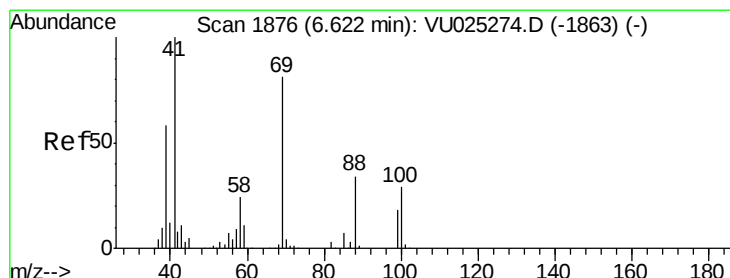
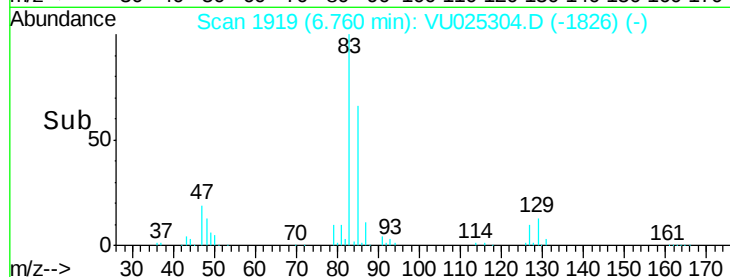
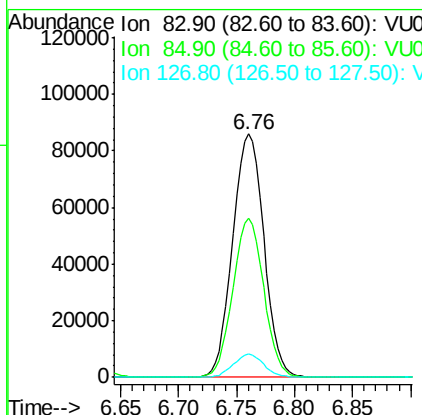
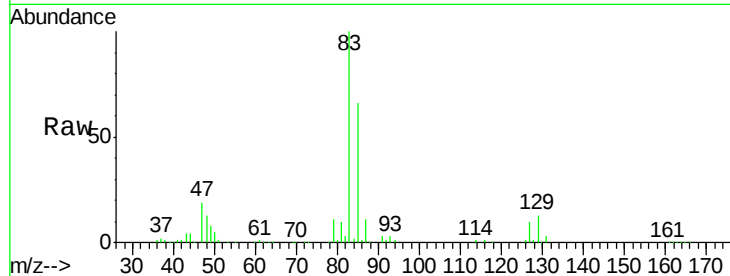
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	160876
Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
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MMDadoda
7/11/2018 5:06:00 PM



#48

Methyl methacrylate

Concen: 51.80 ug/l

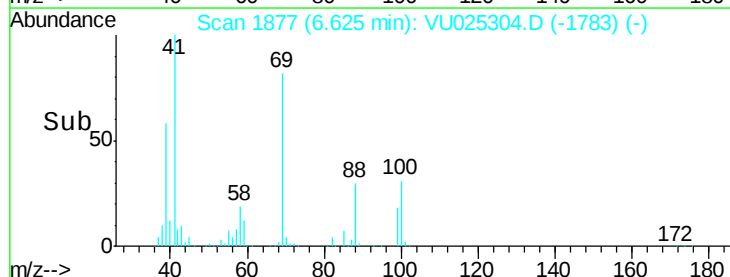
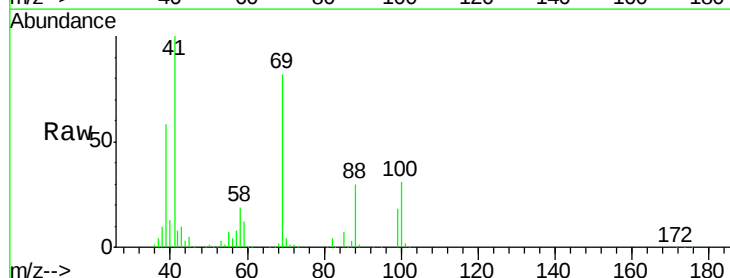
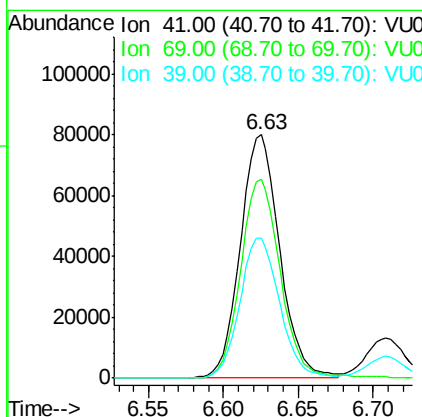
RT: 6.63 min Scan# 1877

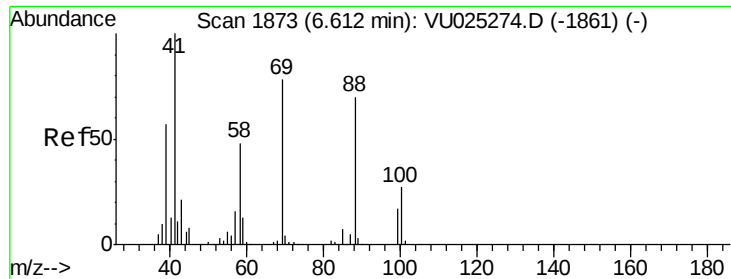
Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion:	41	Resp:	145361
Ion	Ratio	Lower	Upper
41	100		
69	83.1	65.0	97.4
39	58.6	46.4	69.6





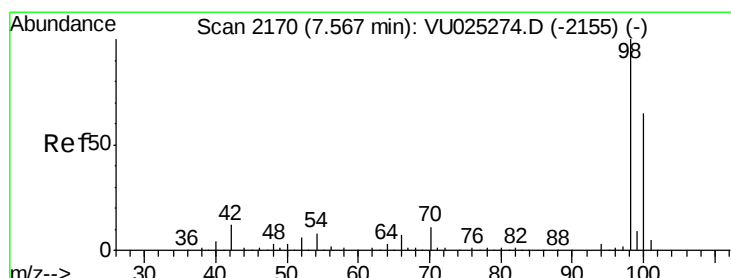
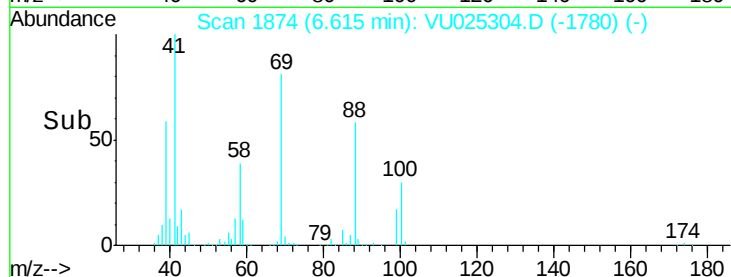
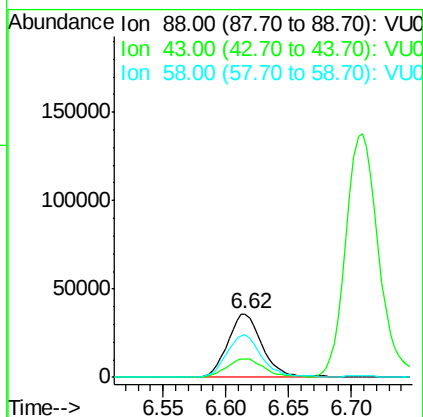
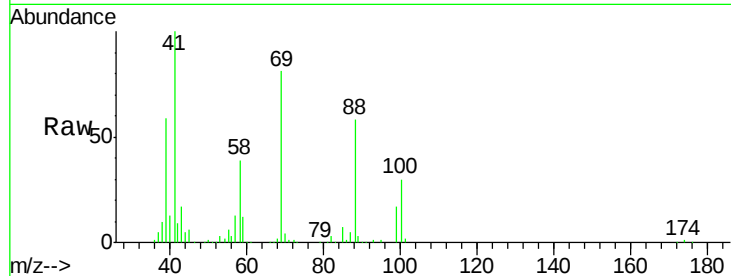
#49
1,4-Dioxane
Concen: 999.52 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	27.3	40.9
58	69.0	57.6	86.4

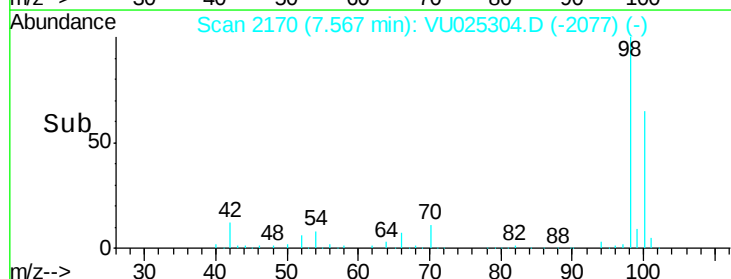
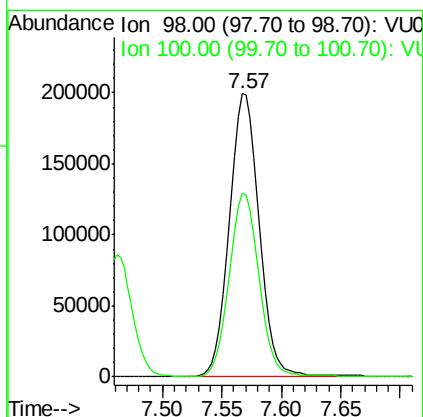
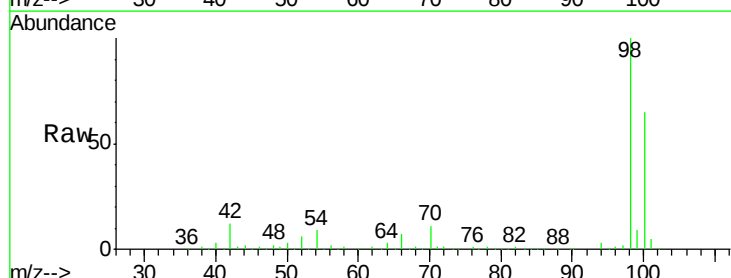
Manual Integrations
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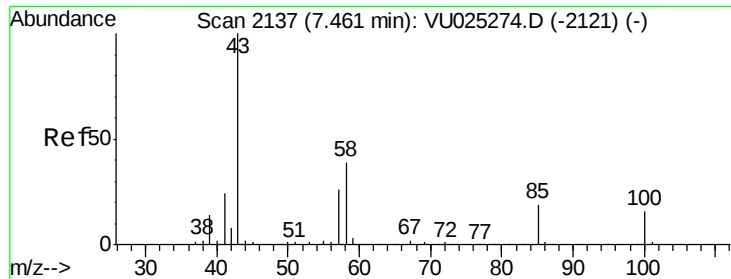
MMDadoda
7/11/2018 5:06:00 PM



#50
Toluene-d8
Concen: 42.55 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 261.86 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 958019

Ion Ratio Lower Upper

43 100

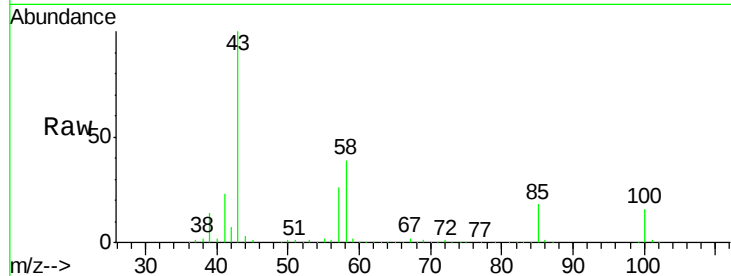
58 38.6 31.0 46.4

Manual Integrations

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MMDadoda

7/11/2018 5:06:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

600000

500000

400000

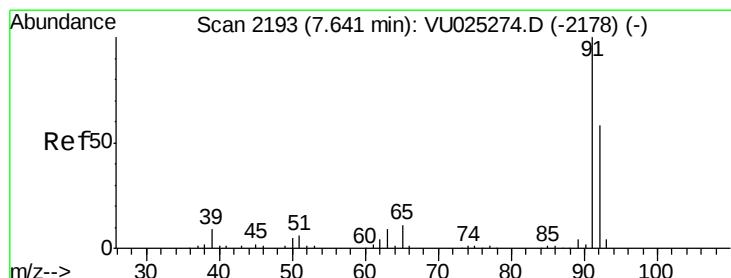
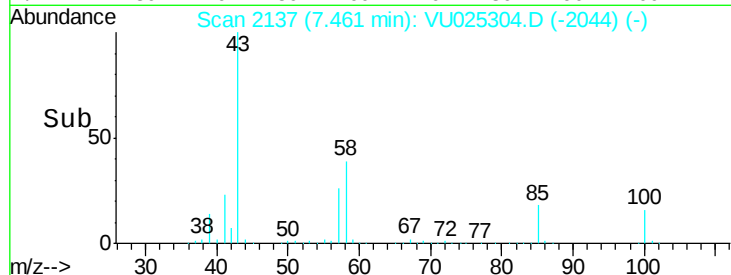
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.89 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025304.D

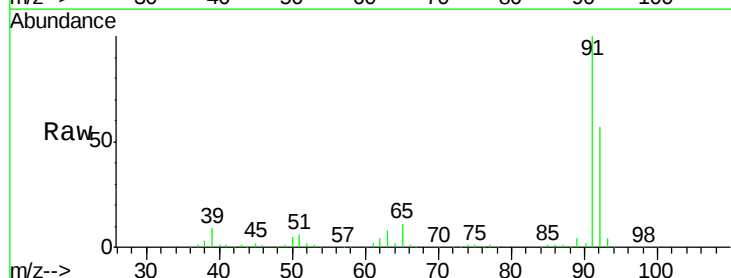
Acq: 10 Jul 2018 21:22

Tgt Ion: 92 Resp: 282524

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

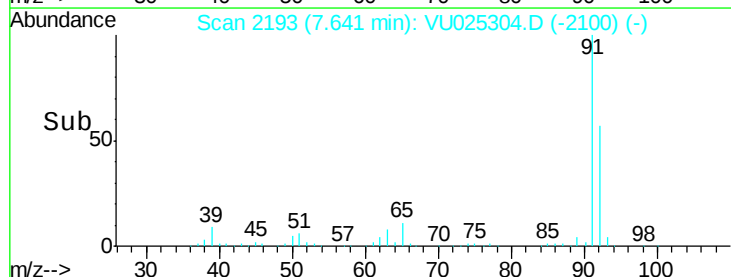
150000

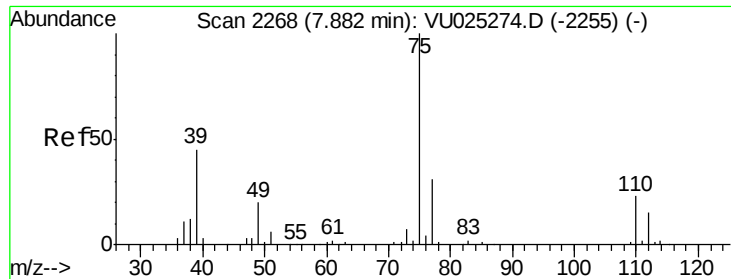
100000

50000

0

Time-->





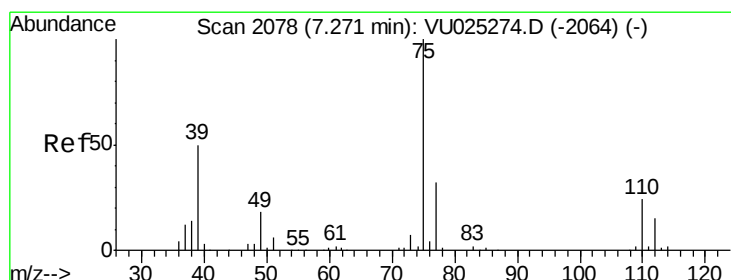
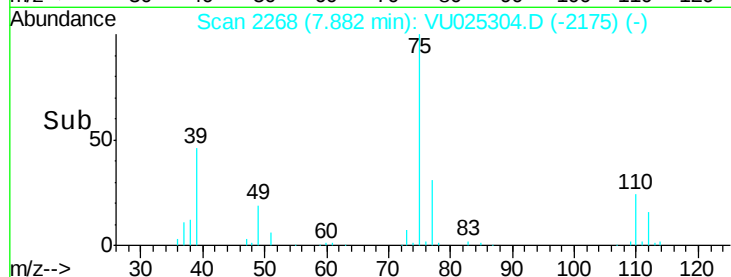
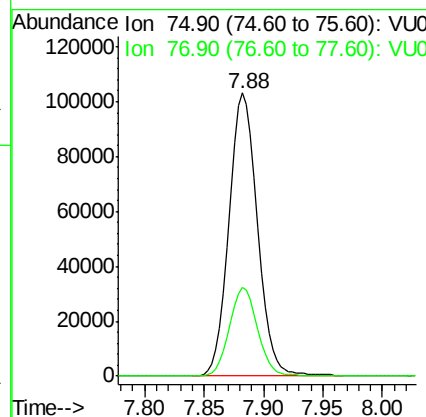
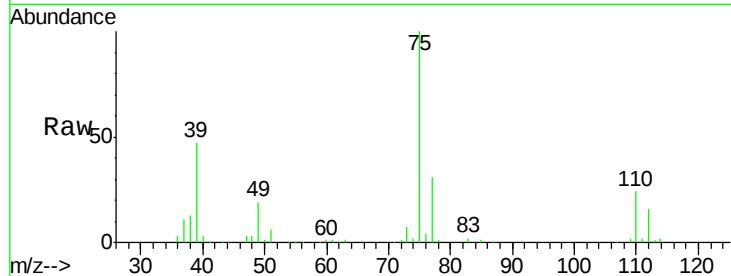
#53
t-1,3-Dichloropropene
Concen: 48.59 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7

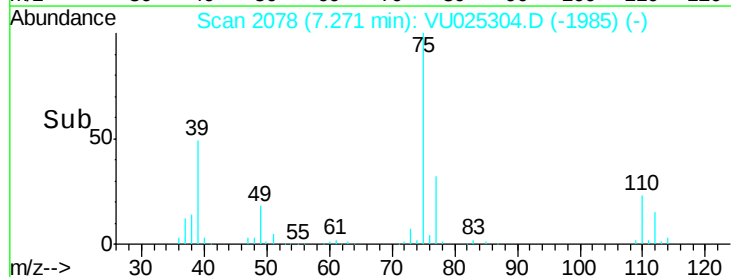
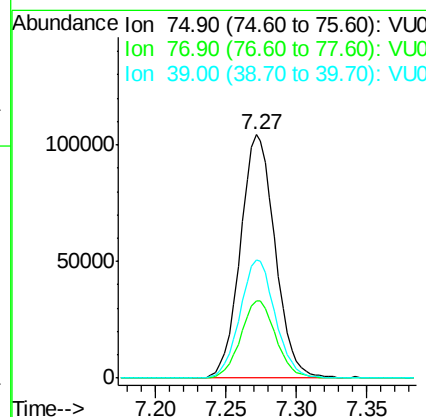
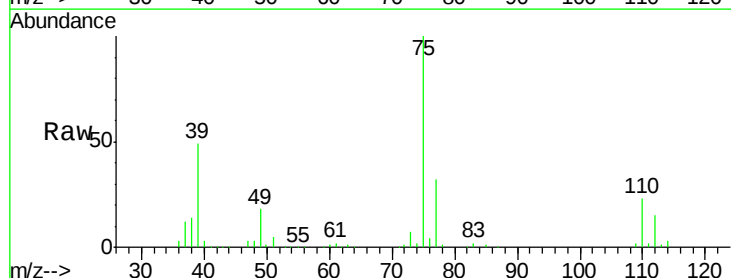
Manual Integrations
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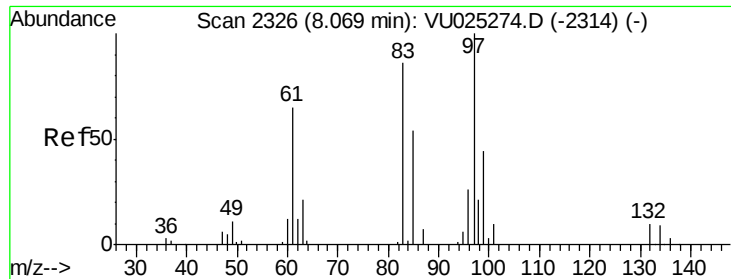
MMDadoda
7/11/2018 5:06:00 PM



#54
cis-1,3-Dichloropropene
Concen: 47.89 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	48.5	40.0	60.0





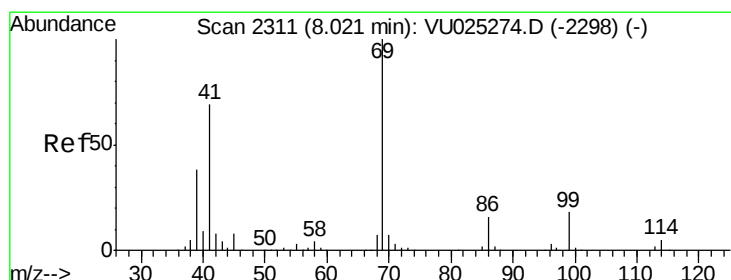
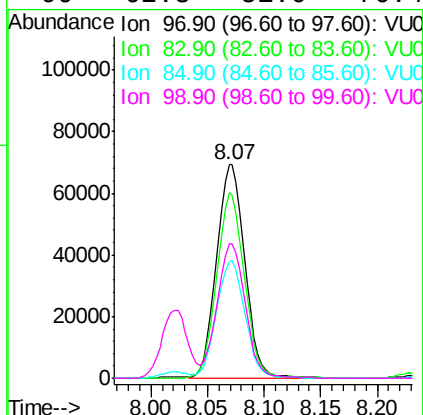
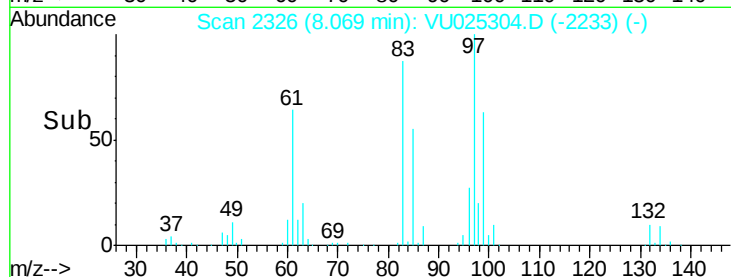
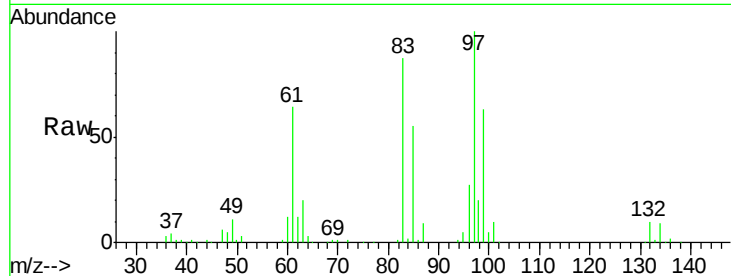
#55
 1,1,2-Trichloroethane
 Concen: 49.72 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		119668		
83	86.9	68.9	103.3		
85	54.8	44.4	66.6		
99	62.8	51.0	76.4		

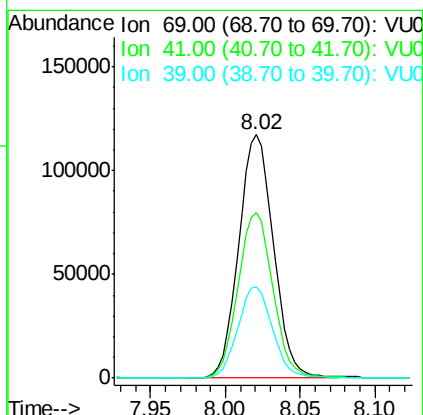
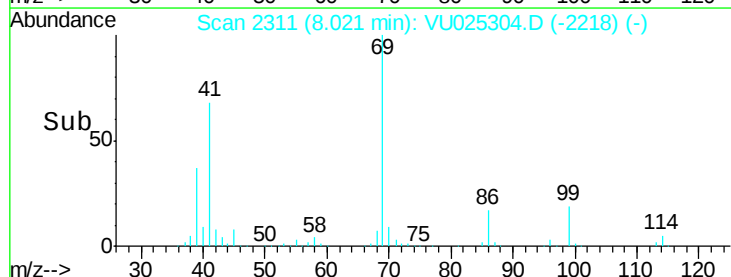
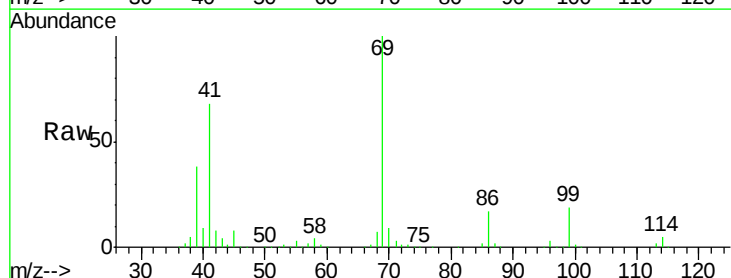
Manual Integrations
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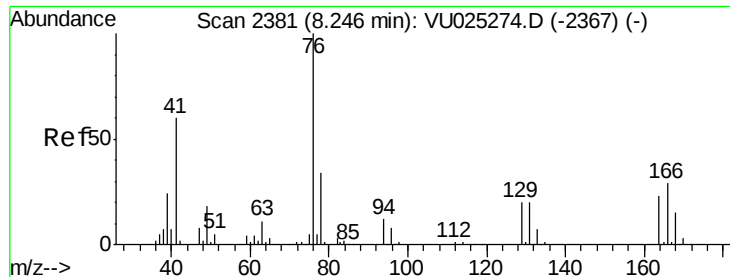
MMDadoda
 7/11/2018 5:06:00 PM



#56
 Ethyl methacrylate
 Concen: 50.59 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190180		
41	68.3	54.8	82.2		
39	37.0	31.1	46.7		





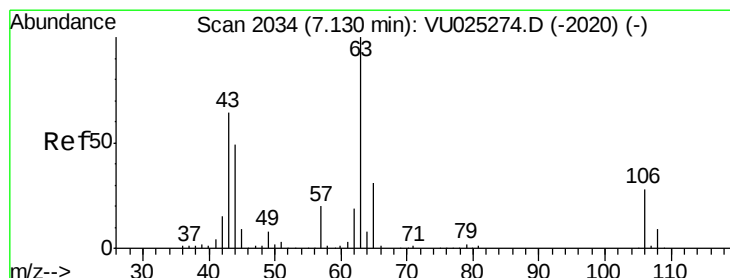
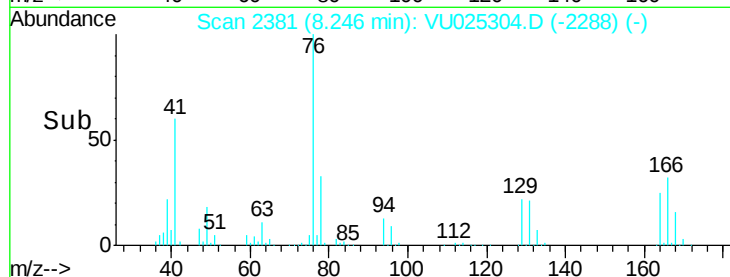
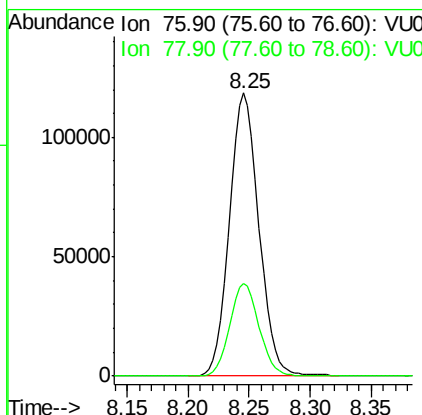
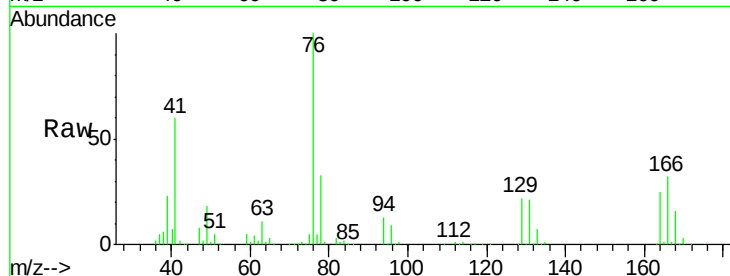
#57
 1,3-Dichloropropane
 Concen: 50.05 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

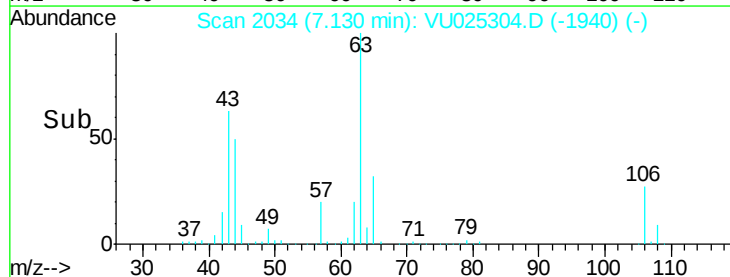
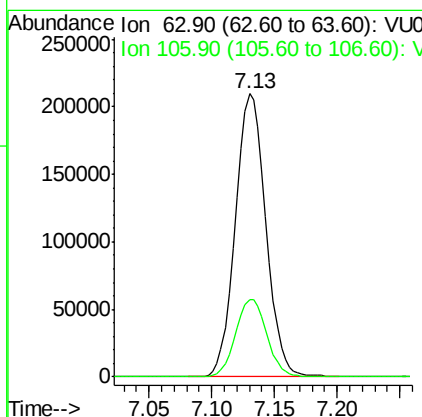
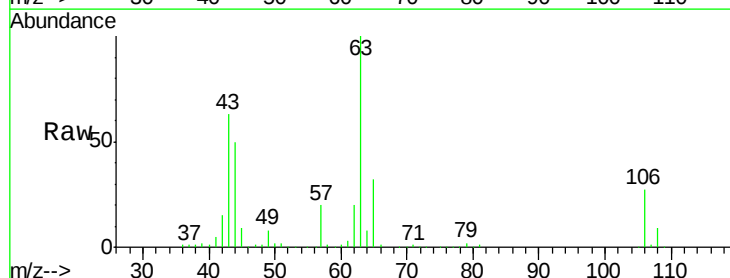
Manual Integrations
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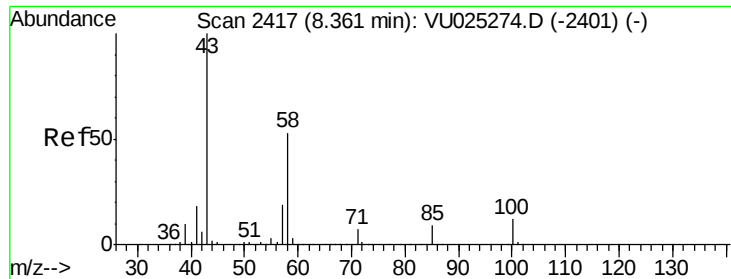
MMDadoda
 7/11/2018 5:06:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.26 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.3	33.5





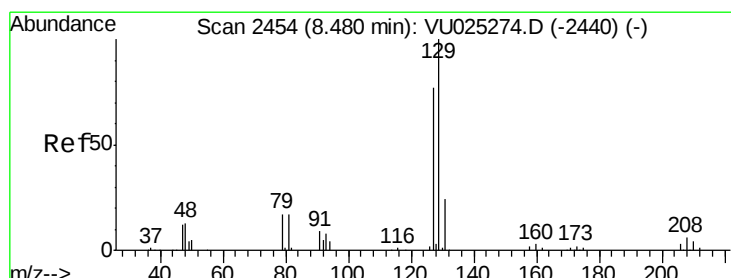
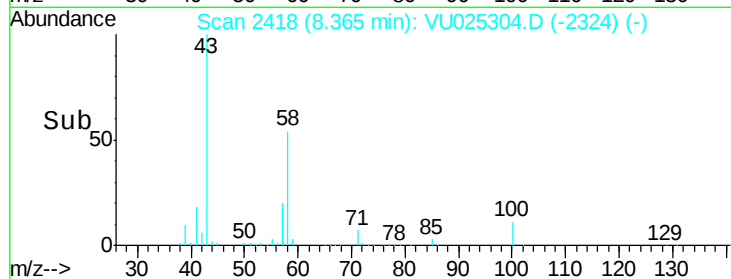
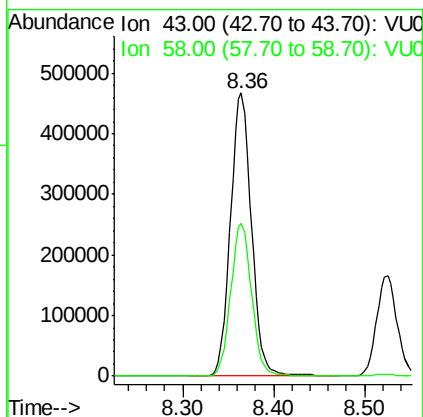
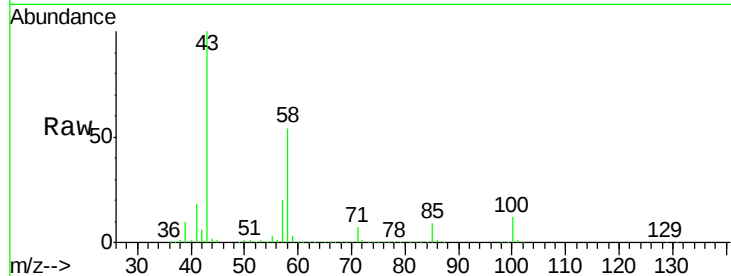
#59
2-Hexanone
Concen: 252.96 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	26.2	78.5

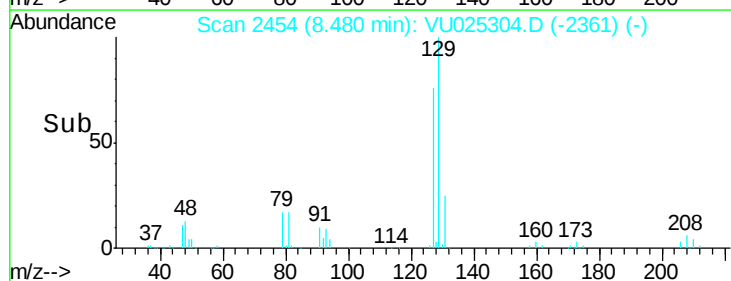
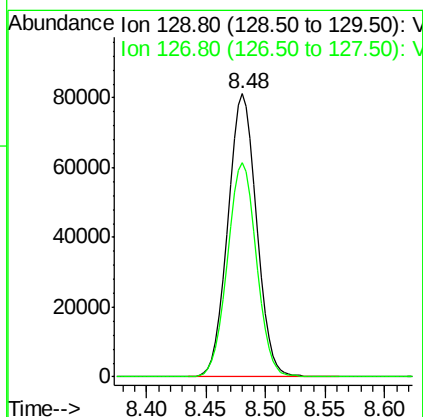
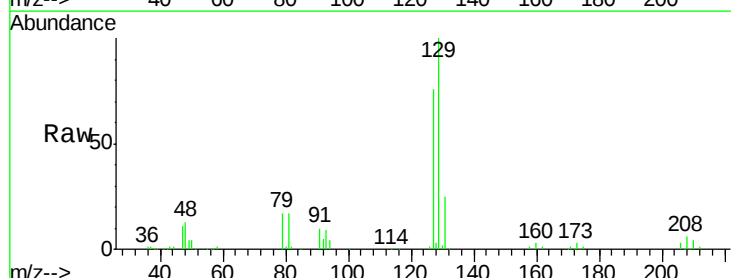
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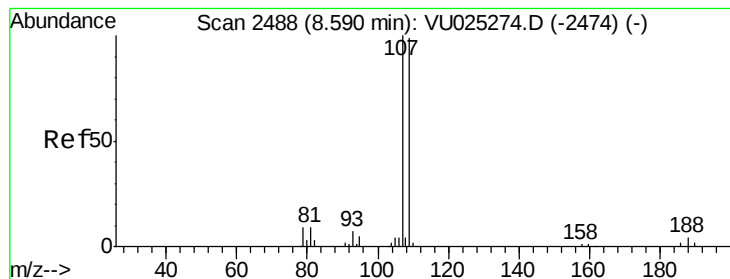
MMDadoda
7/11/2018 5:06:00 PM



#60
Dibromochloromethane
Concen: 52.26 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8





#61

1,2-Dibromoethane

Concen: 51.09 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 131574

Ion Ratio Lower Upper

107 100

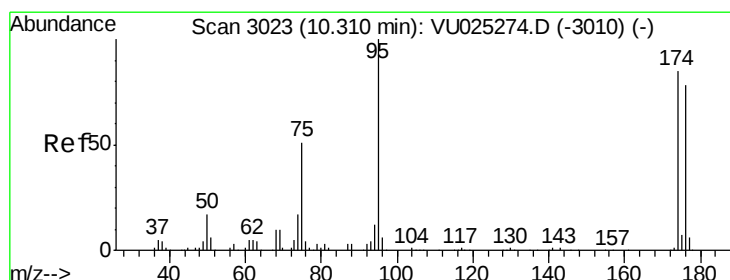
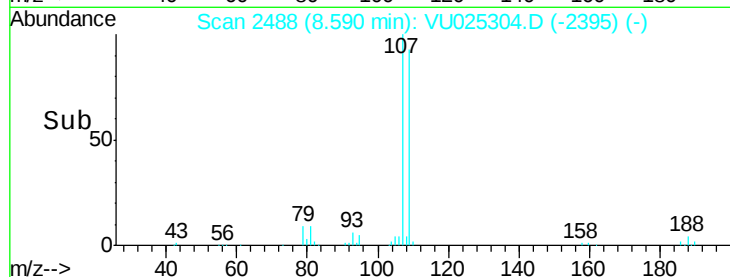
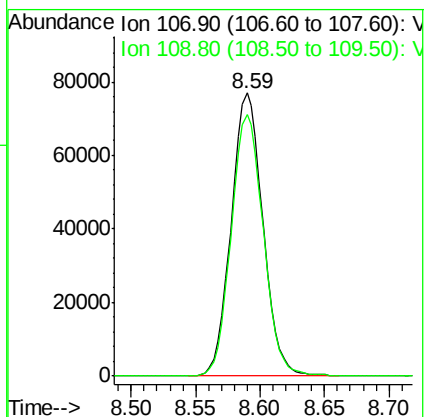
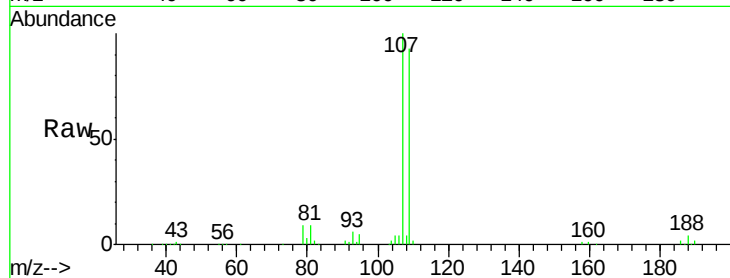
109 93.8 75.8 113.8

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#62

4-Bromofluorobenzene

Concen: 43.61 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

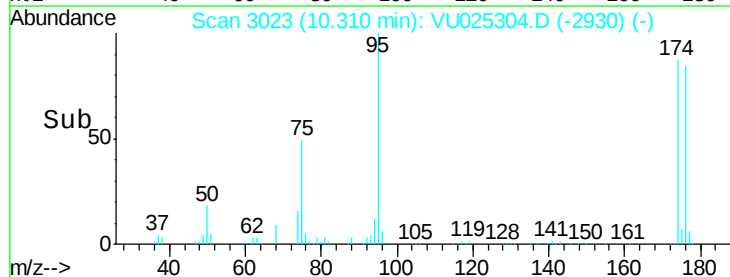
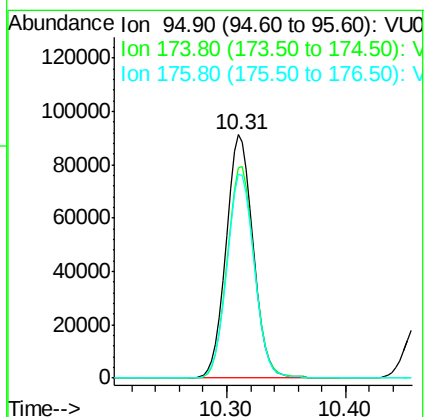
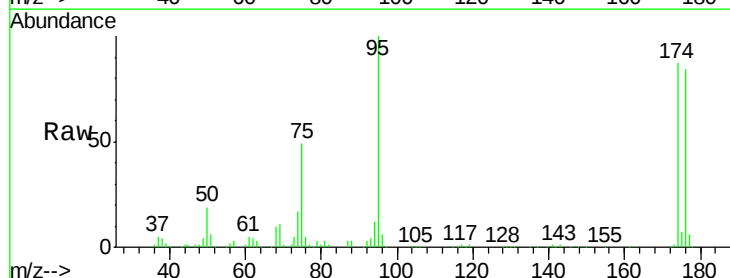
Tgt Ion: 95 Resp: 143793

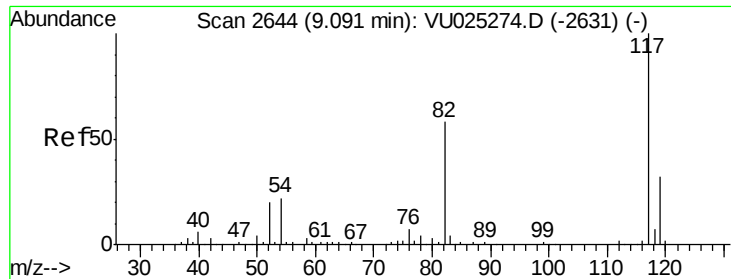
Ion Ratio Lower Upper

95 100

174 87.5 0.0 172.2

176 85.1 0.0 162.6





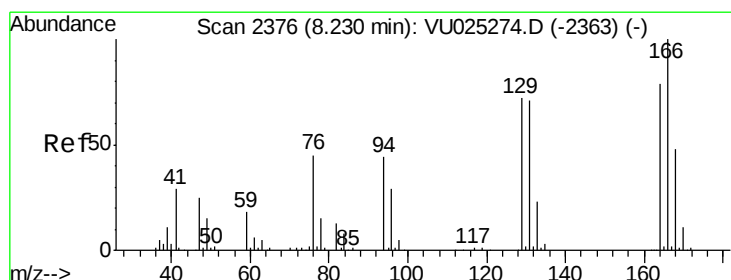
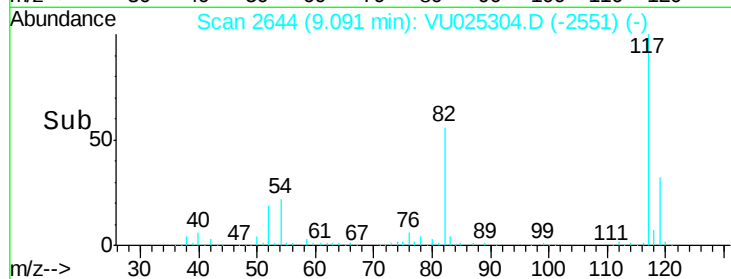
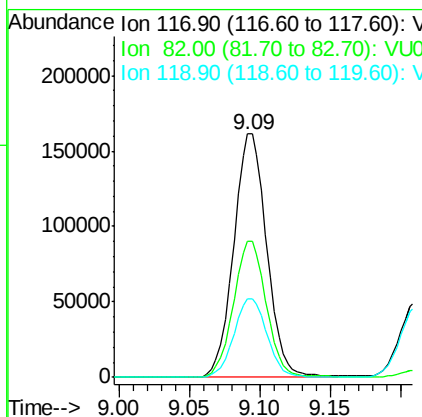
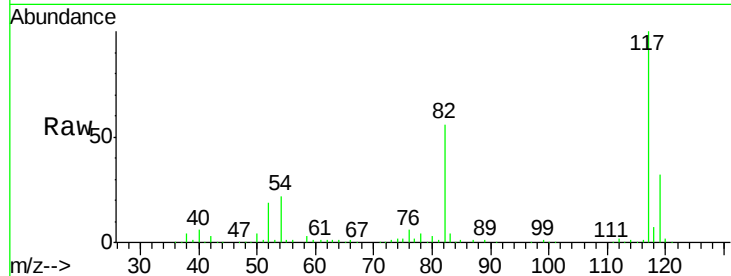
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.0	69.0
119	32.4	26.0	39.0

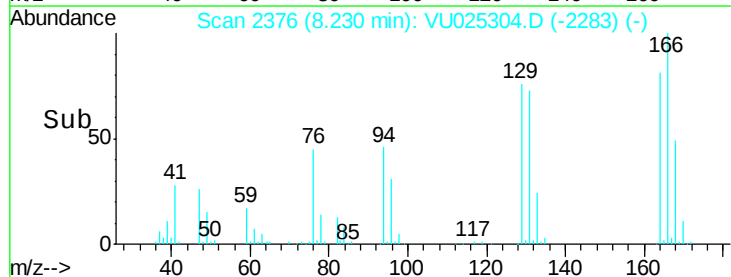
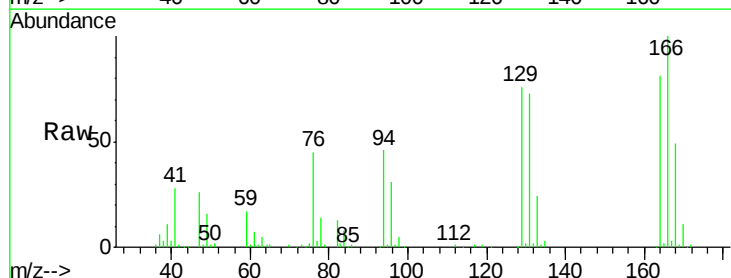
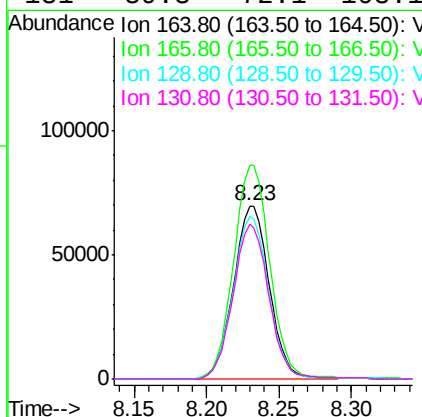
Manual Integrations
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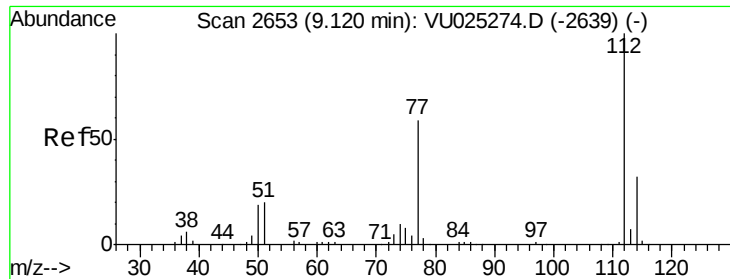
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#64
Tetrachloroethene
Concen: 49.45 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	101.1	151.7
129	94.1	73.0	109.6
131	89.3	72.1	108.1





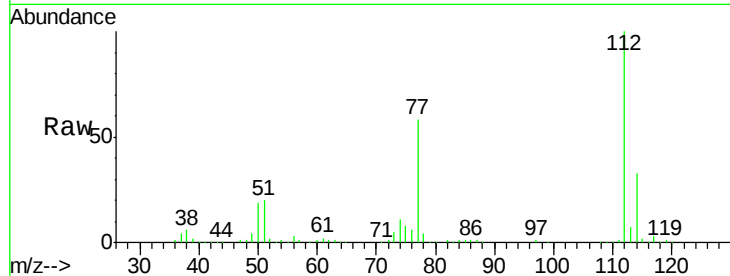
#65
Chlorobenzene
Concen: 49.47 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

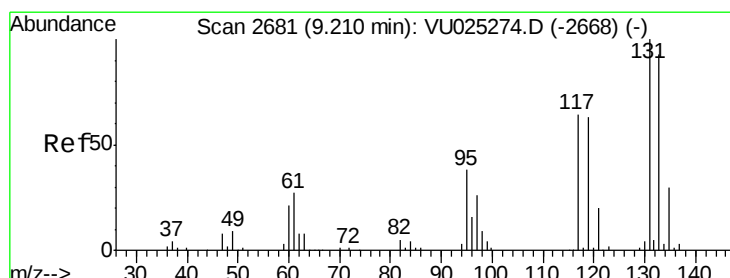
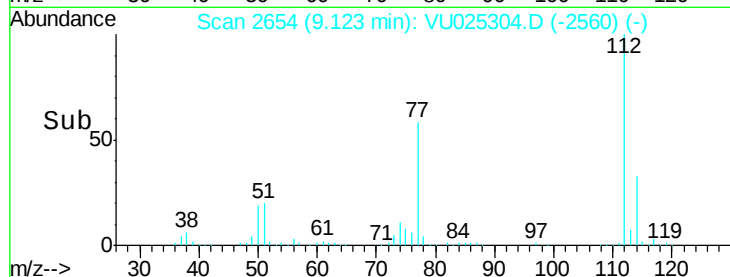
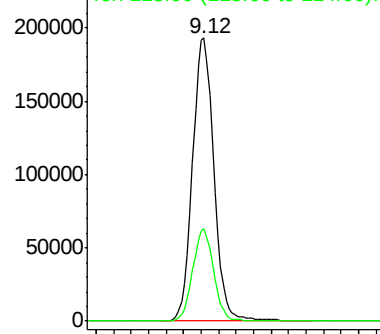
Tot Ion:112 Resp: 327790
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

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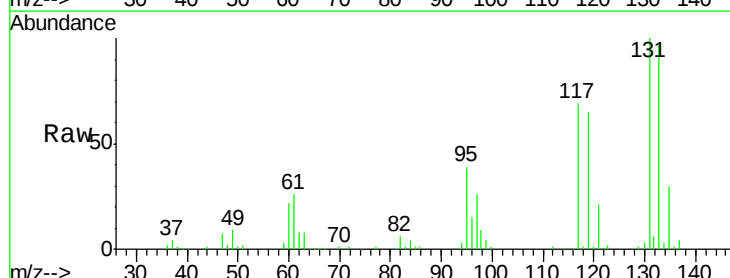


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

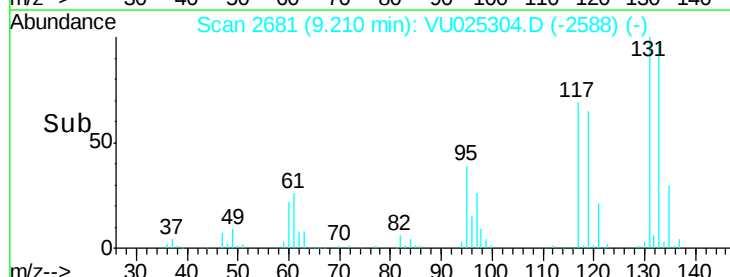
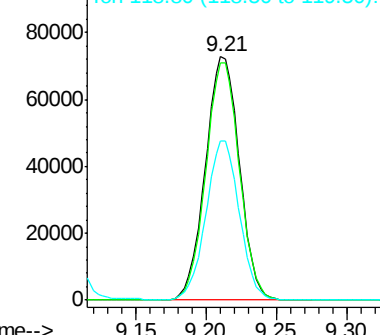


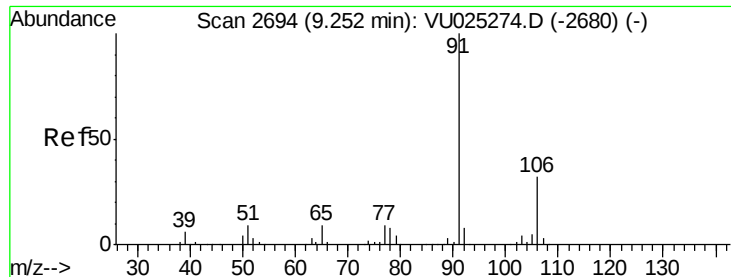
#66
1,1,1,2-Tetrachloroethane
Concen: 52.06 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion:131 Resp: 123393
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 64.1 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





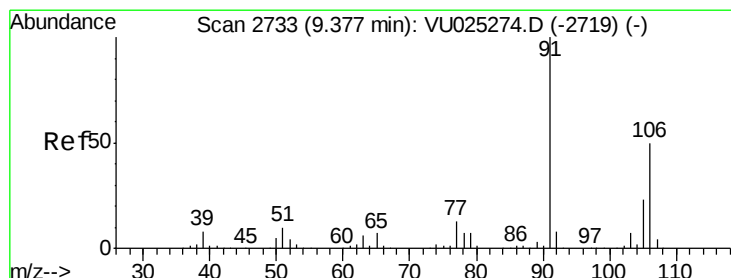
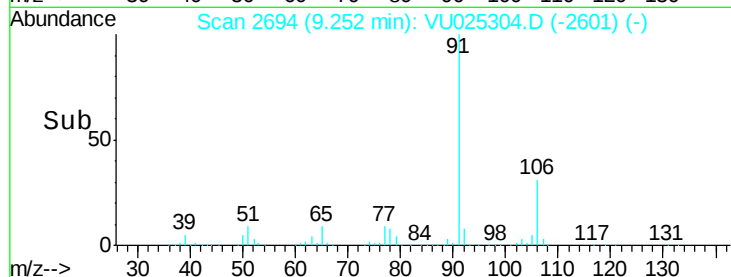
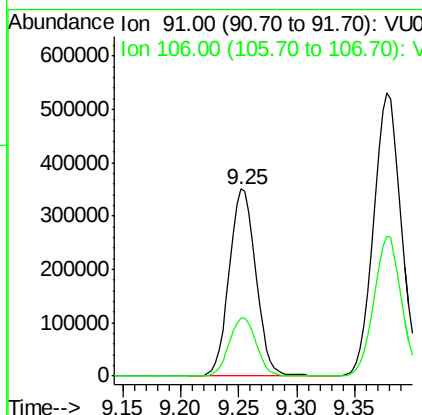
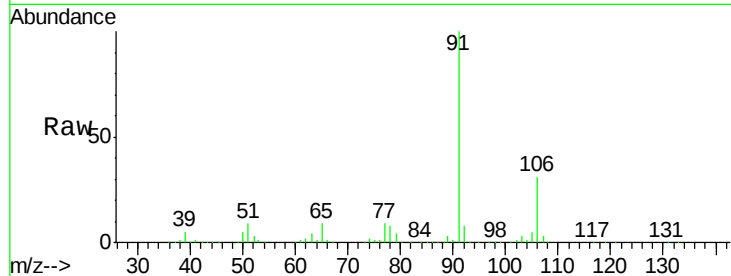
#67
Ethyl Benzene
Concen: 49.53 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 559456
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

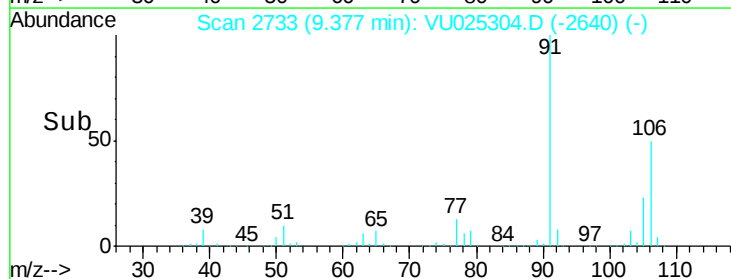
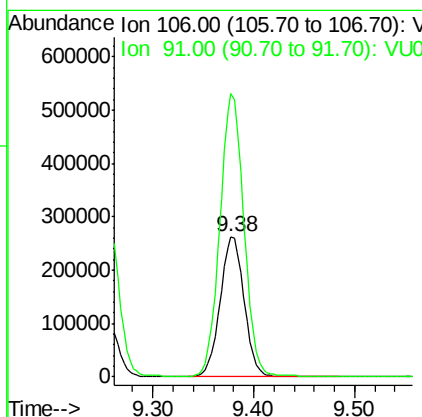
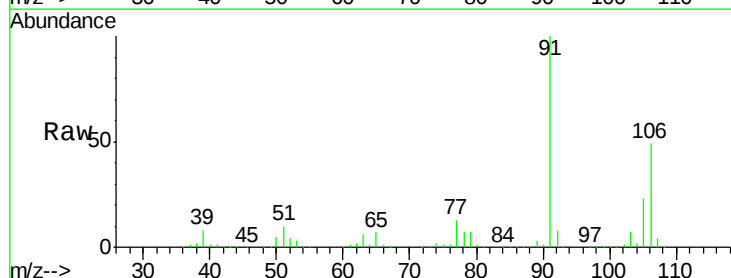
Manual Integrations
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#68
m/p-Xylenes
Concen: 100.05 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion: 106 Resp: 436930
Ion Ratio Lower Upper
106 100
91 202.7 162.3 243.5





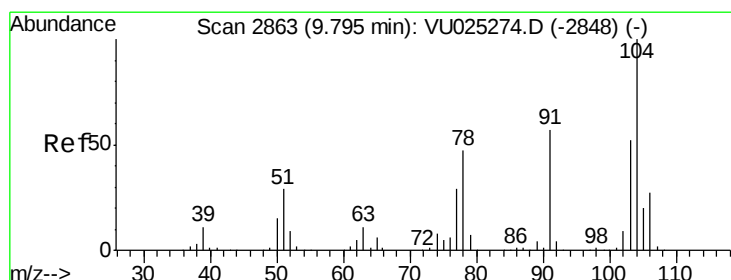
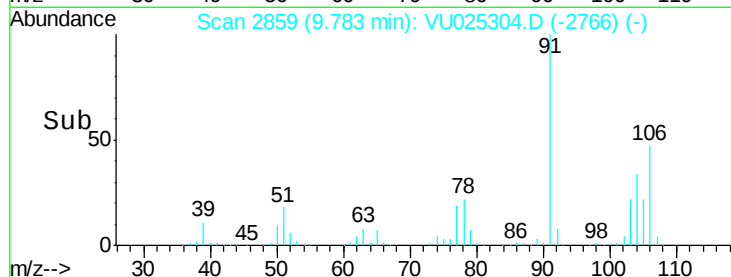
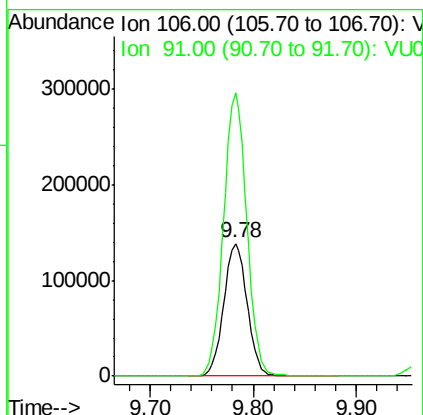
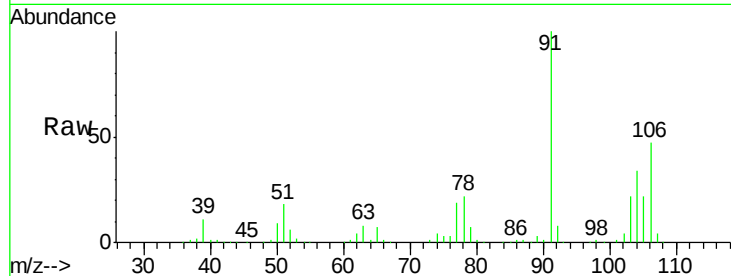
#69
o-Xylene
Concen: 50.21 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 219503
Ion Ratio Lower Upper
106 100
91 212.0 105.3 315.8

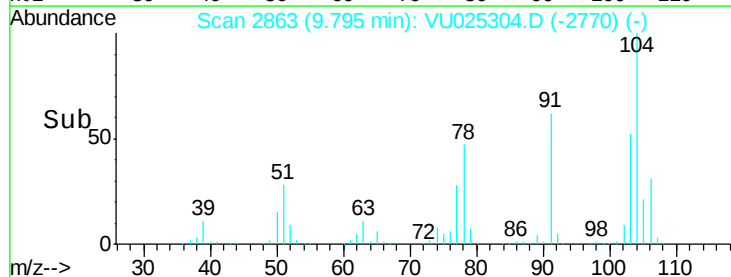
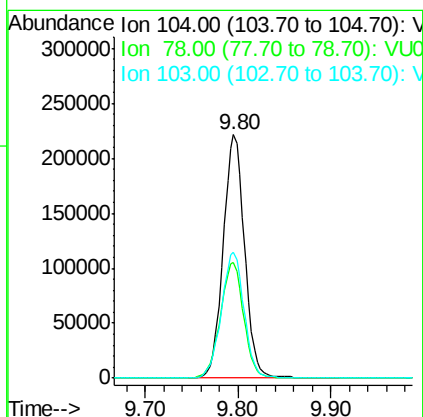
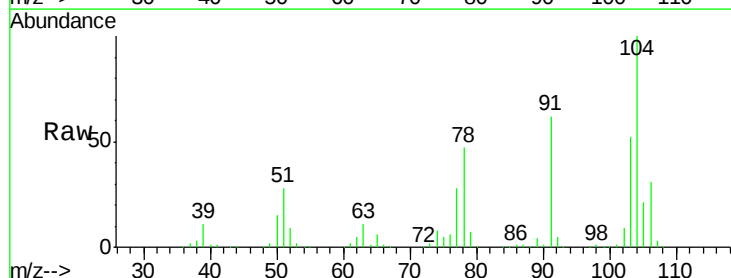
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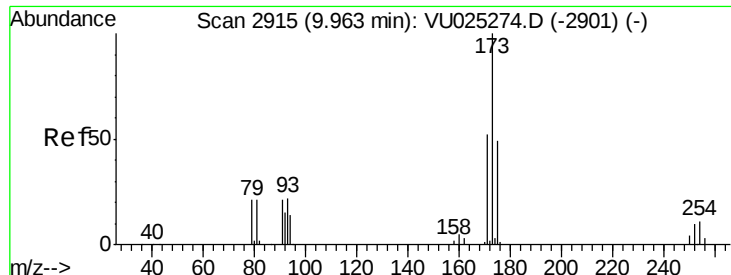
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#70
Styrene
Concen: 50.99 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion:104 Resp: 354140
Ion Ratio Lower Upper
104 100
78 51.5 41.6 62.4
103 55.1 44.6 66.8





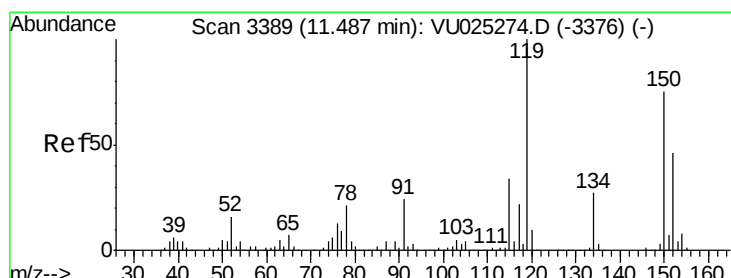
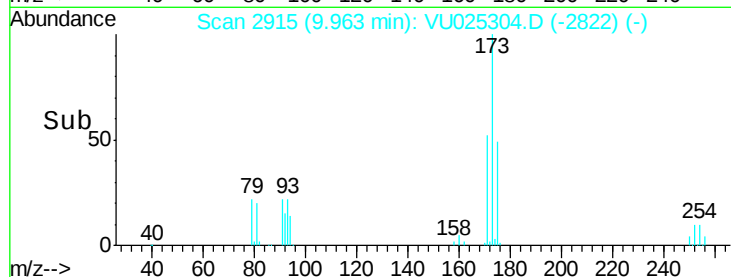
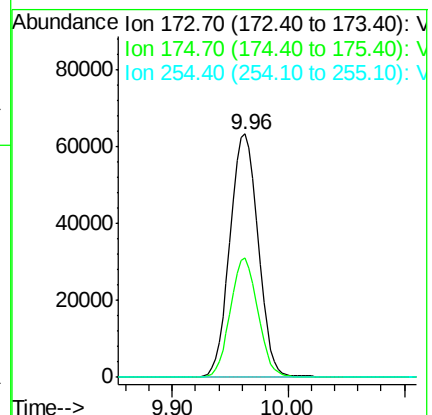
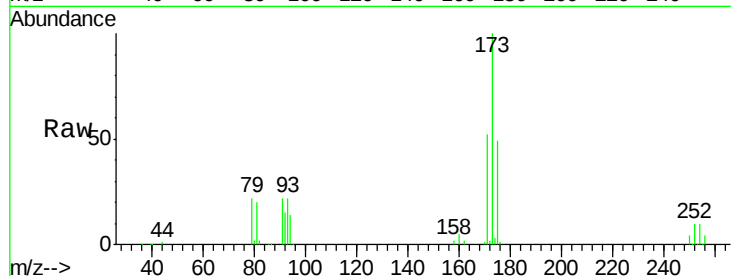
#71
Bromoform
Concen: 46.88 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.0	72.0
254	0.1	0.0	0.0

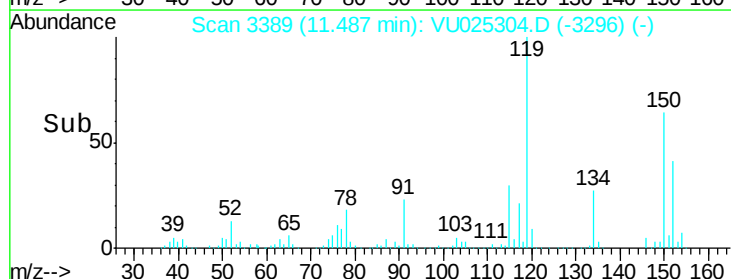
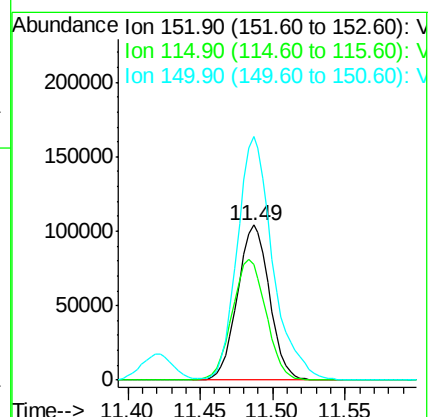
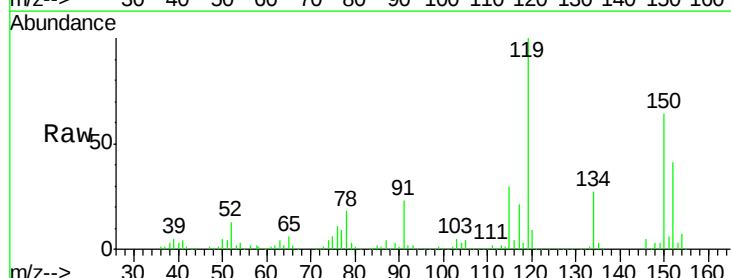
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	40.1	120.3
150	173.0	0.0	351.4





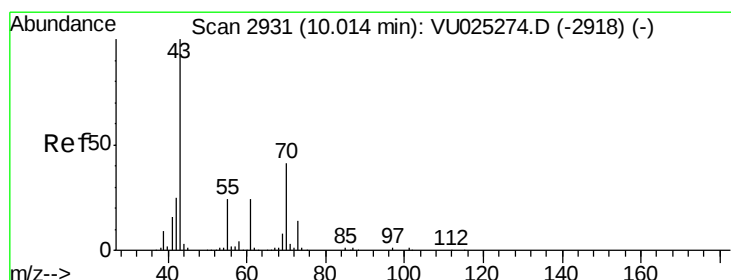
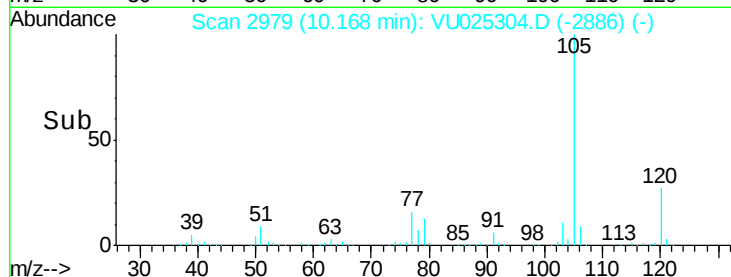
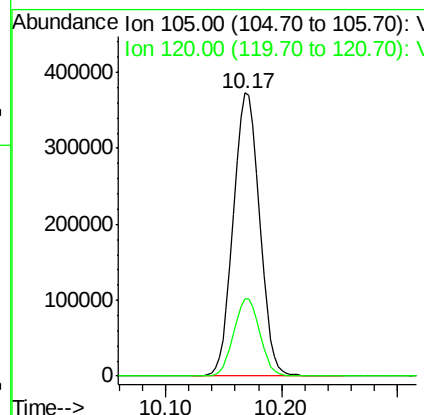
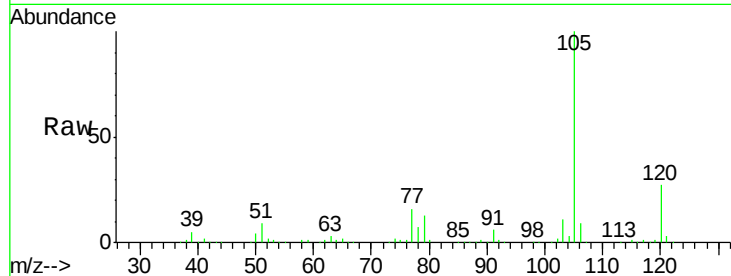
#73
Isopropylbenzene
Concen: 47.62 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.5

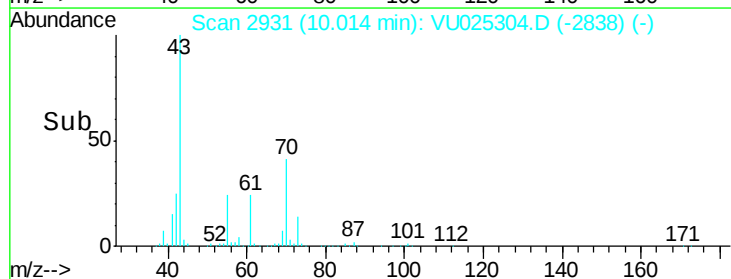
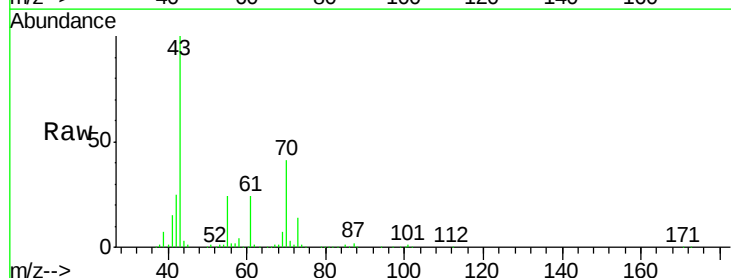
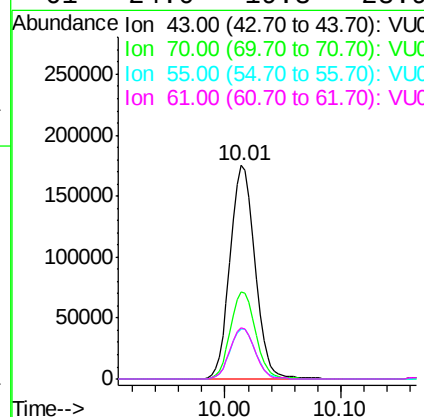
Manual Integrations
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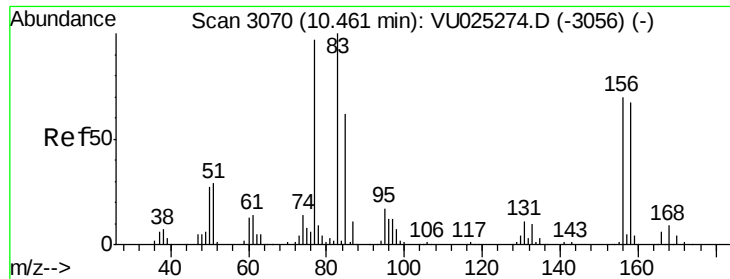
MMDadoda
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#74
N-ethyl acetate
Concen: 52.01 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.2	33.4	50.2
55	23.9	19.0	28.6
61	24.0	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.75 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

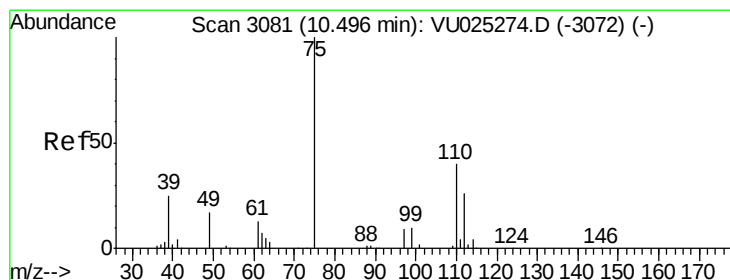
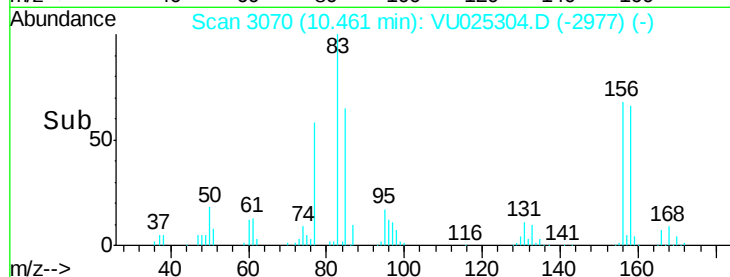
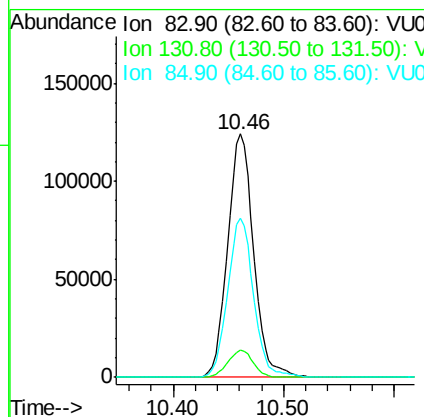
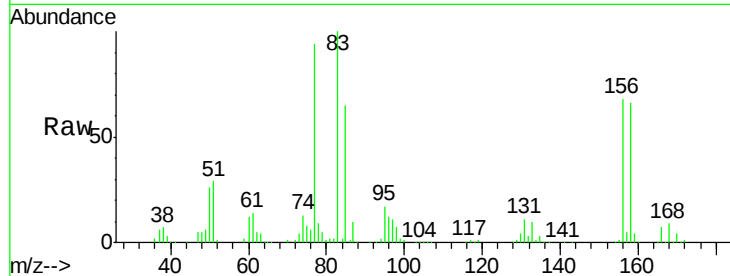
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	202892
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	65.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.03 ug/l m

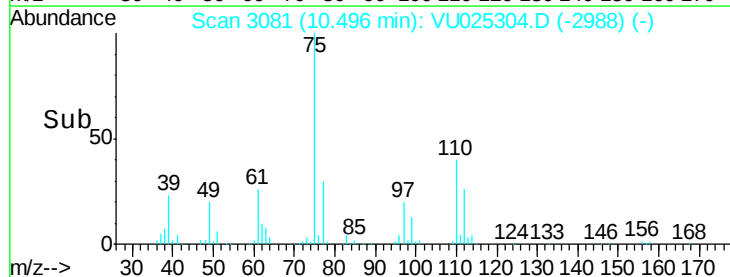
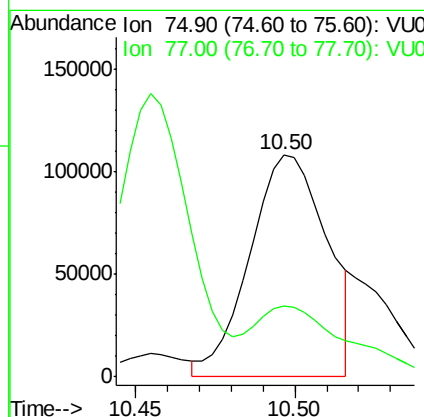
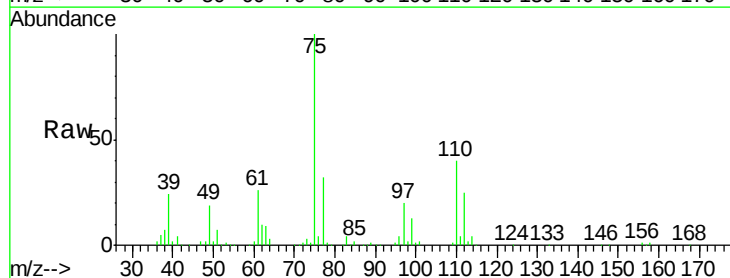
RT: 10.50 min Scan# 3081

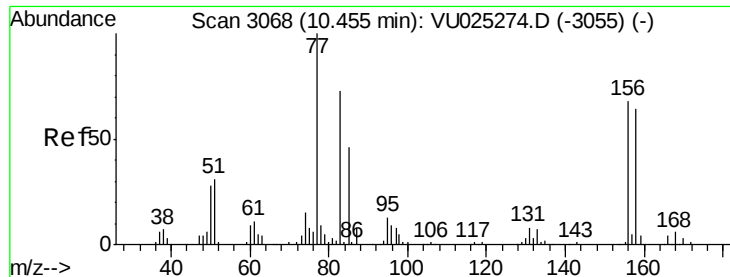
Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion:	75	Resp:	182057
Ion Ratio	Lower	Upper	
75	100		
77	38.0	20.4	61.3





#77

Bromobenzene

Concen: 48.97 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

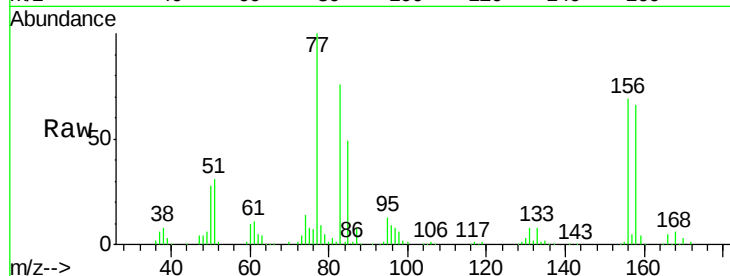
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	153085
Ion Ratio	Lower	Upper	
156	100		
77	143.8	73.8	221.4
158	97.1	48.0	144.0

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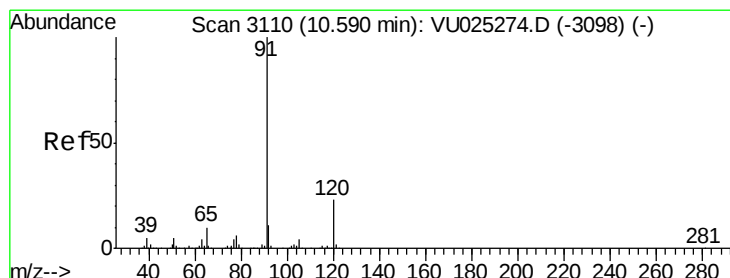
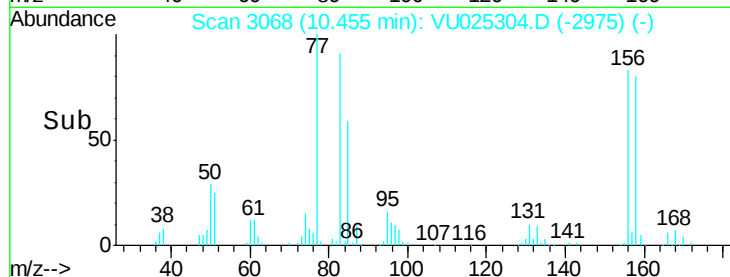
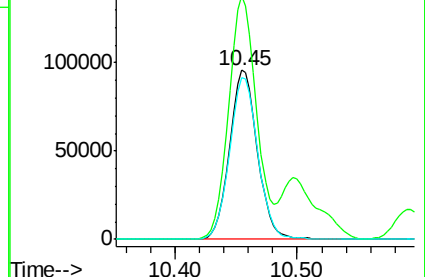
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.09 ug/l

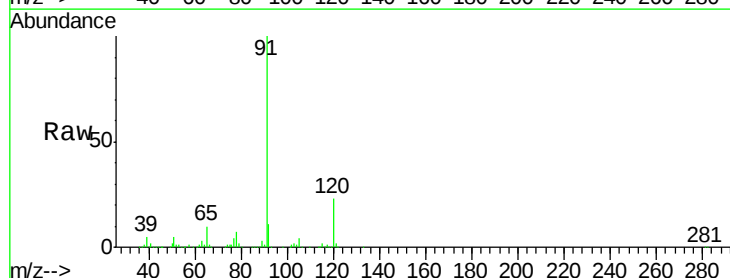
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025304.D

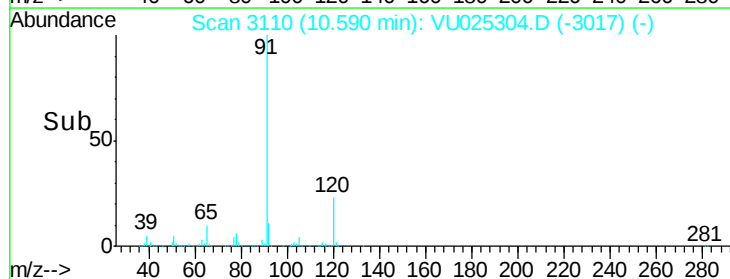
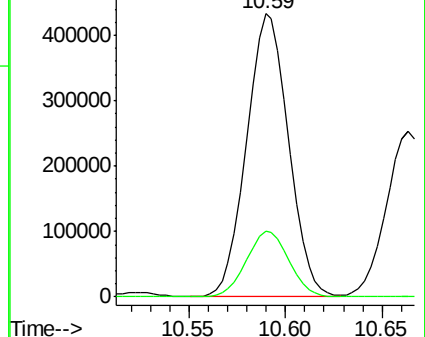
Acq: 10 Jul 2018 21:22

Tgt Ion:	91	Resp:	652045
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.20 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 398660

Ion Ratio Lower Upper

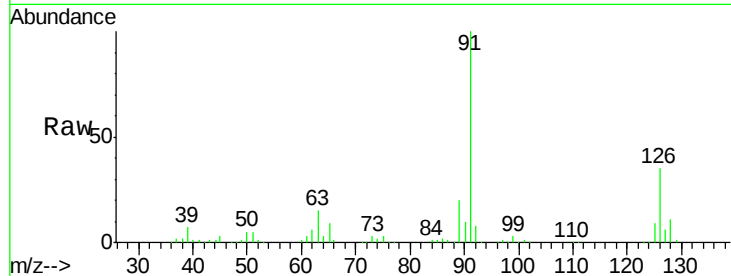
91 100

126 35.0 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)

500000

400000

300000

200000

100000

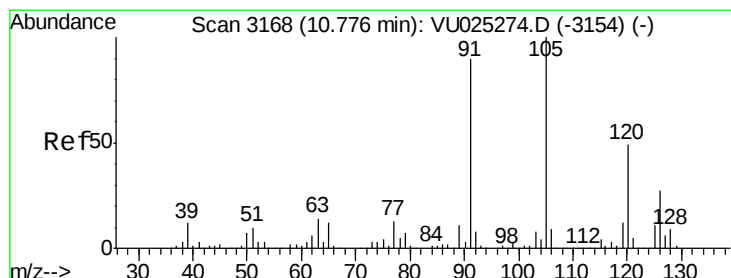
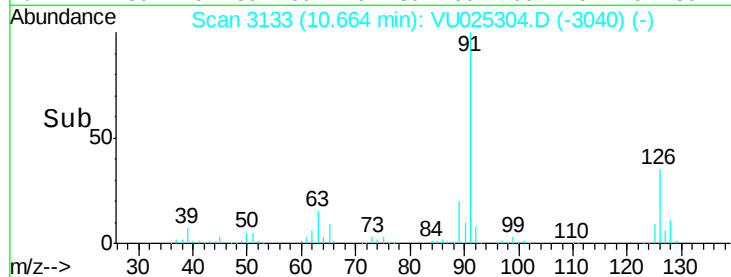
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.49 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025304.D

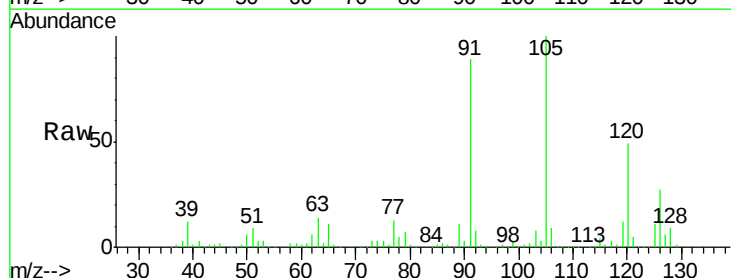
Acq: 10 Jul 2018 21:22

Tgt Ion: 105 Resp: 498579

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)

300000

200000

100000

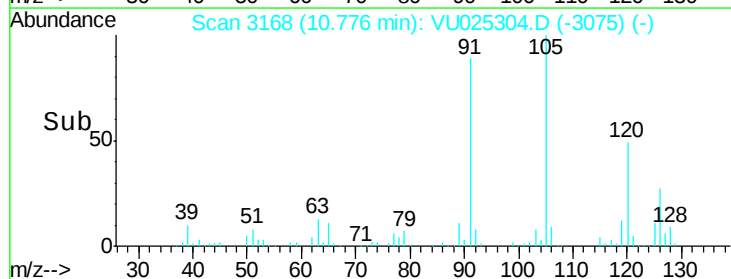
0

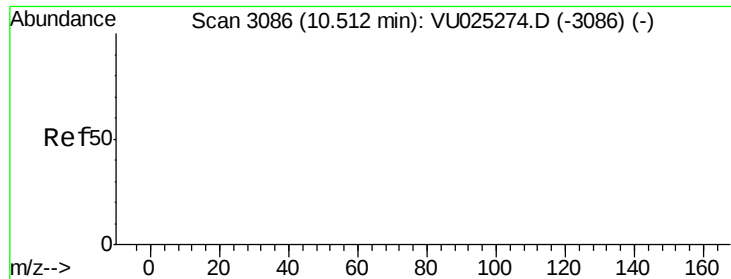
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.77 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

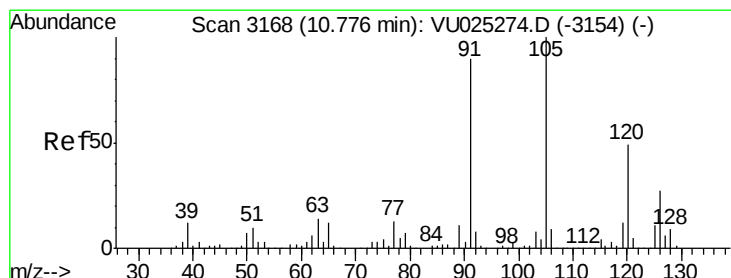
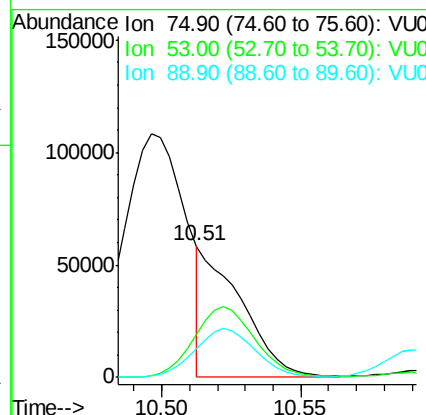
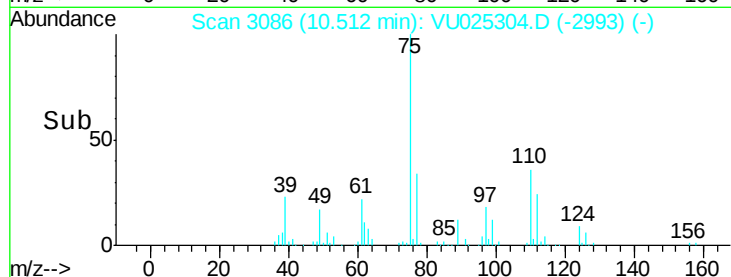
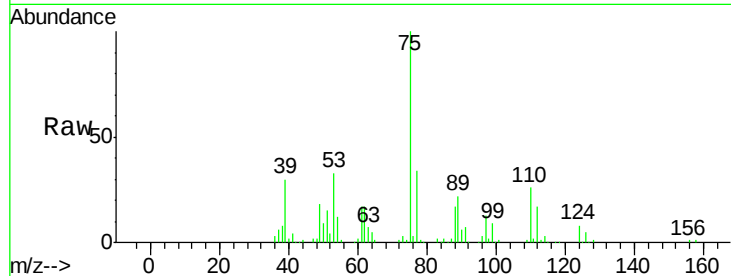
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.22 ug/l

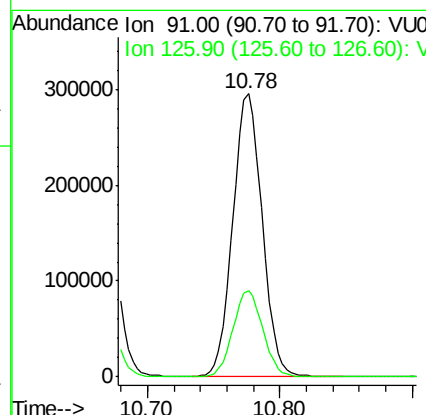
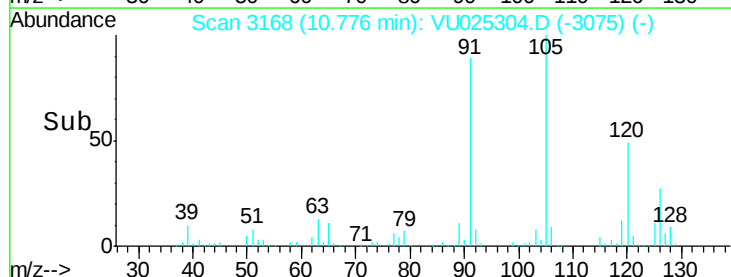
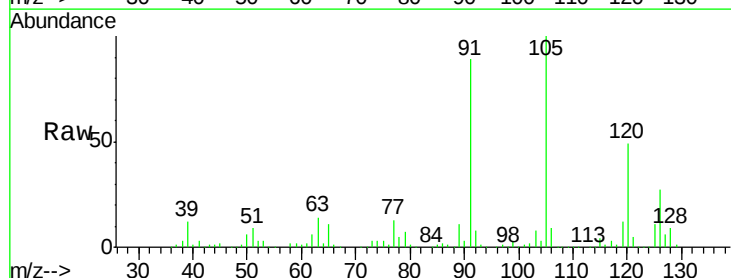
RT: 10.78 min Scan# 3168

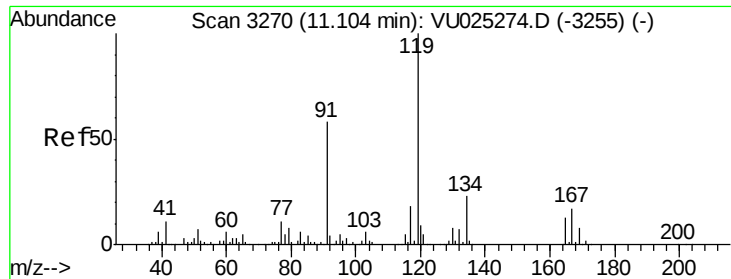
Delta R.T. -0.00 min

Lab File: VU025304.D

Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





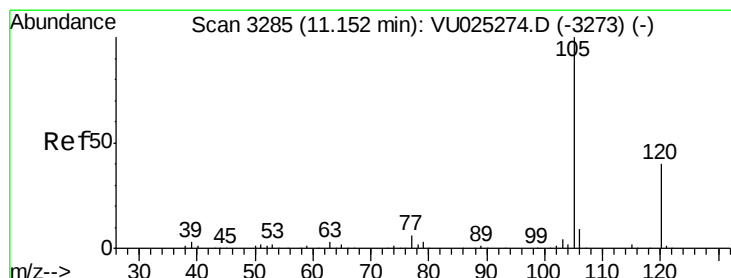
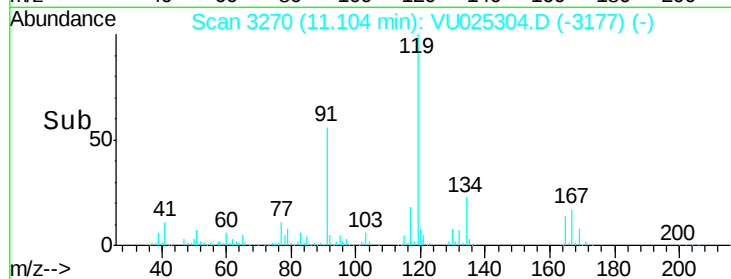
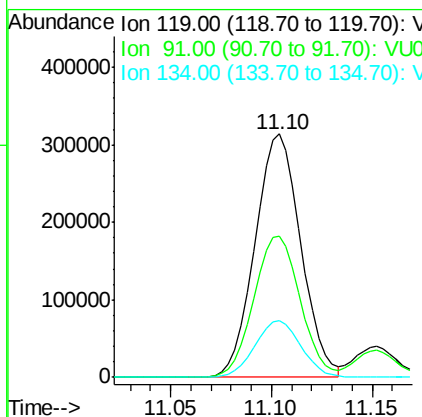
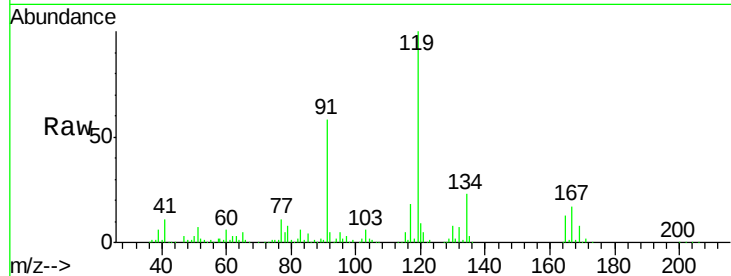
#83
 tert-Butylbenzene
 Concen: 47.88 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	119	Resp:	497503
Ion Ratio	Lower	Upper	
119	100		
91	59.1	29.7	89.1
134	23.4	11.5	34.5

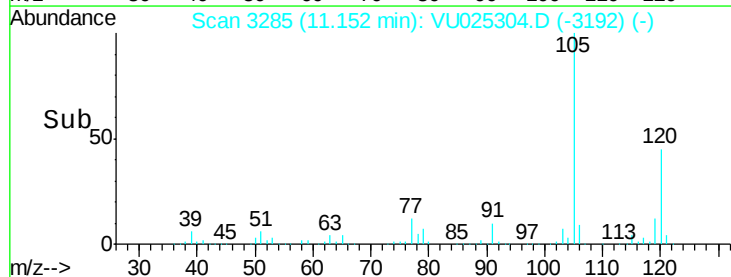
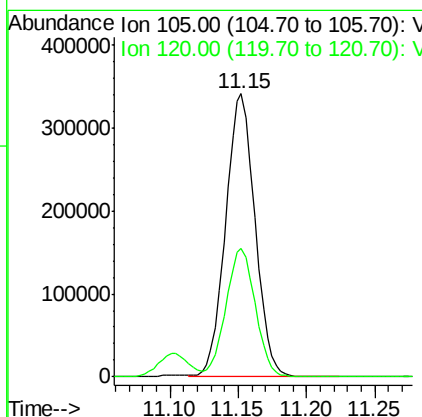
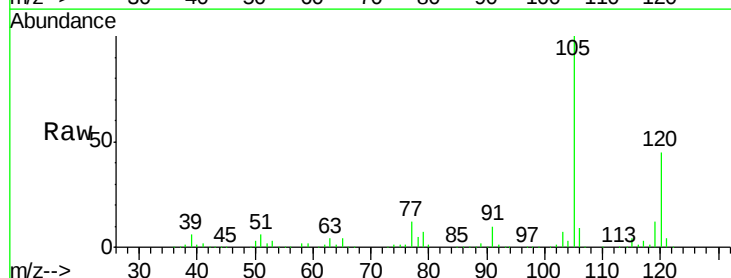
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.35 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion:	105	Resp:	509540
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.3	66.8





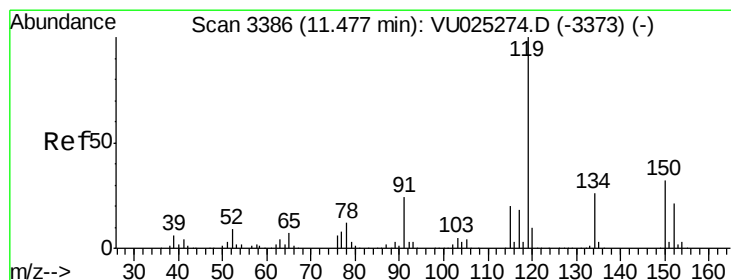
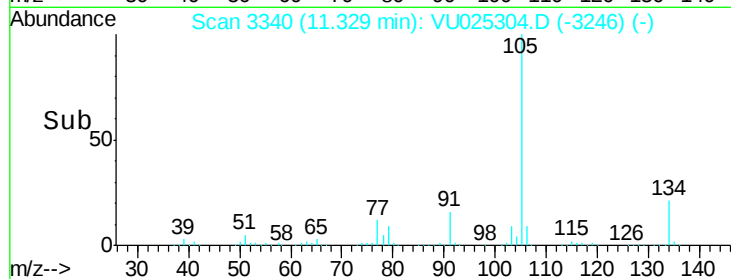
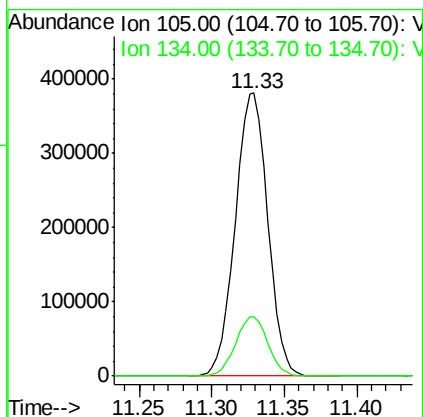
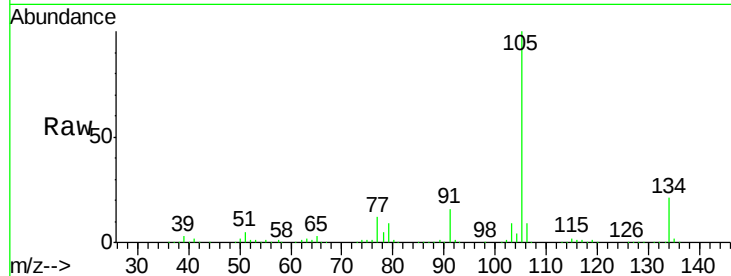
#85
 sec-Butylbenzene
 Concen: 48.50 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

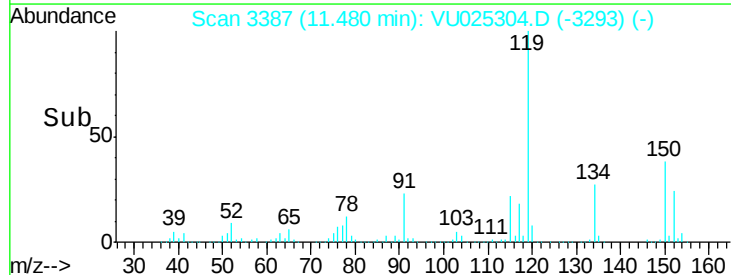
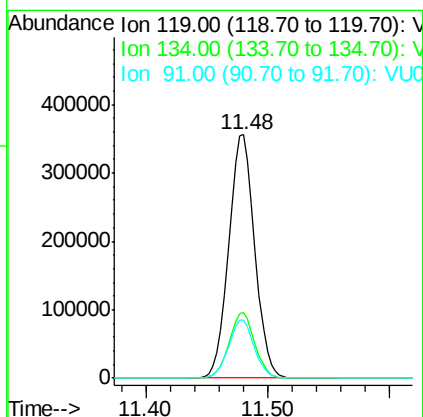
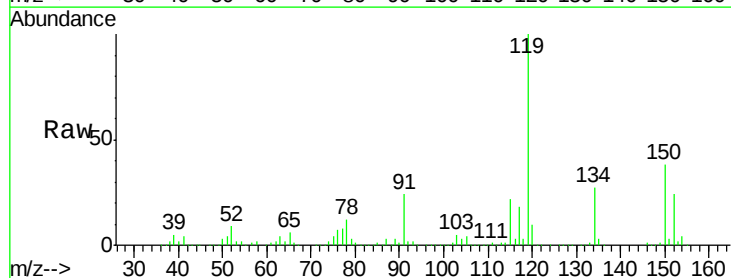
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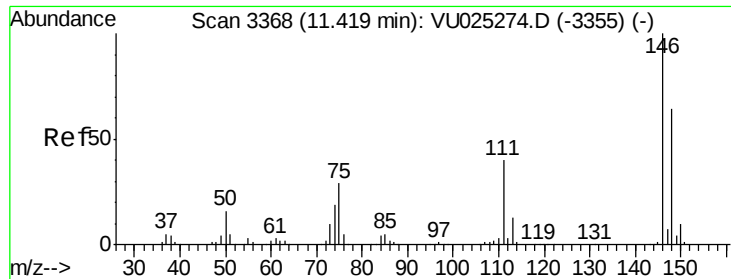
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#86
 p-Isopropyltoluene
 Concen: 48.96 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.5
91	23.7	12.0	36.1





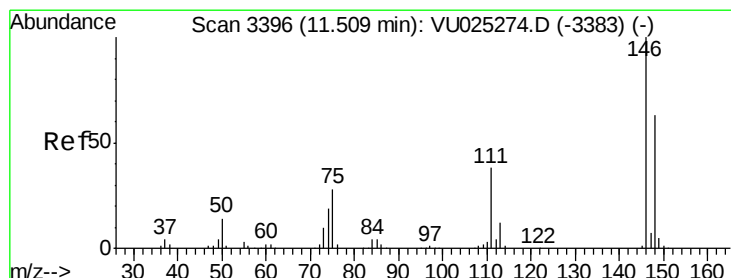
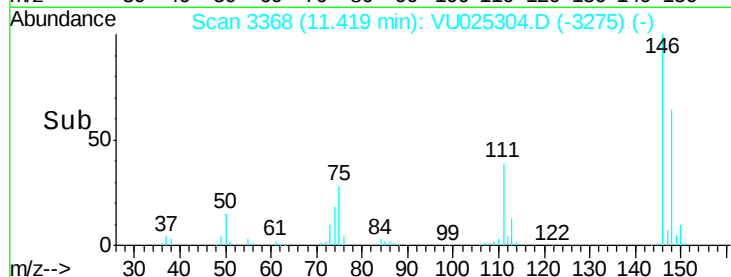
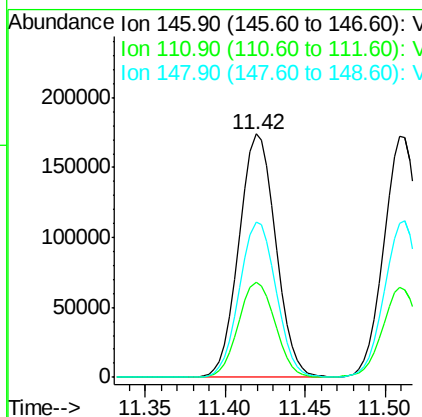
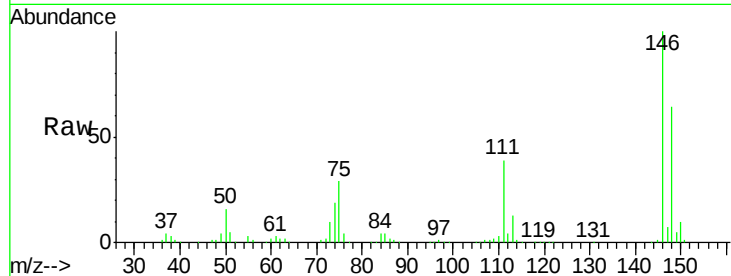
#87
 1,3-Dichlorobenzene
 Concen: 47.69 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.8	32.1	96.3

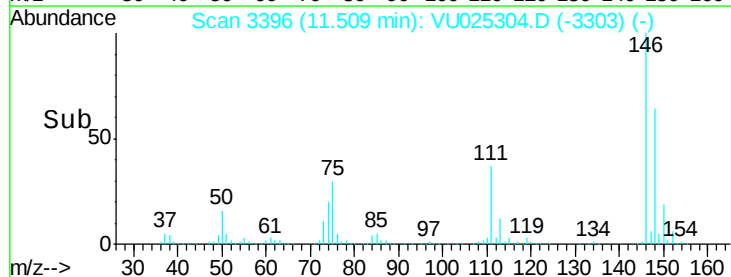
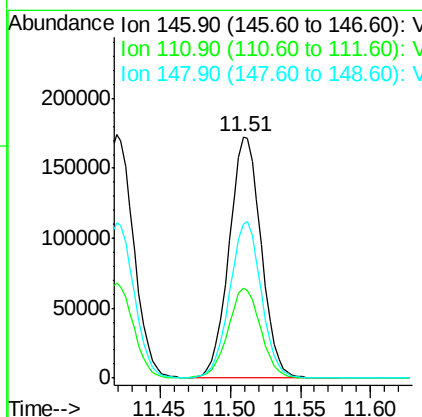
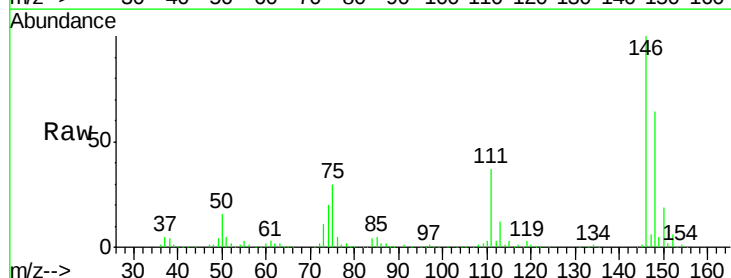
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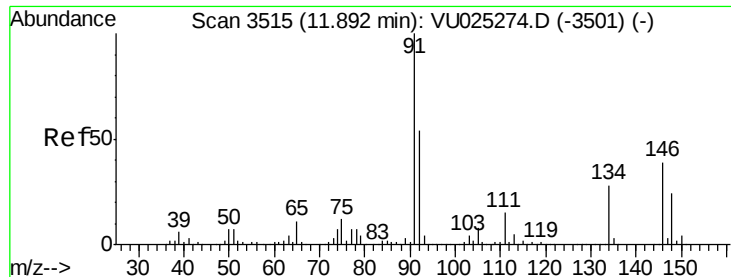
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#88
 1,4-Dichlorobenzene
 Concen: 49.11 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.4	31.7	95.1





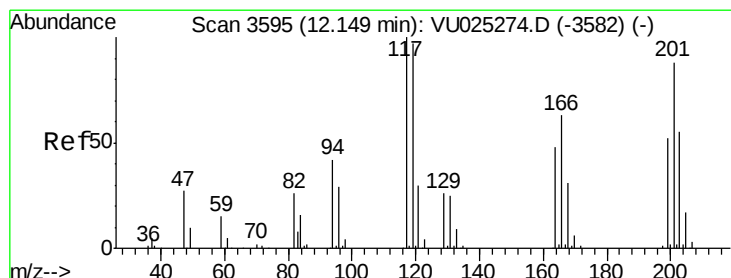
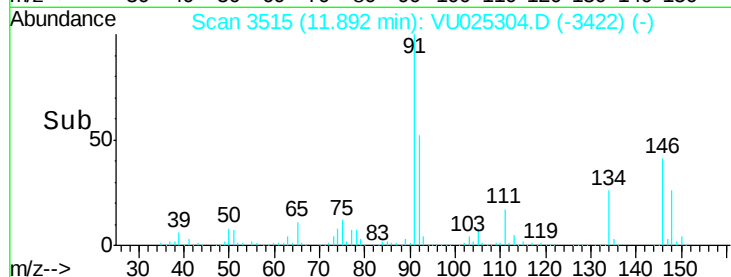
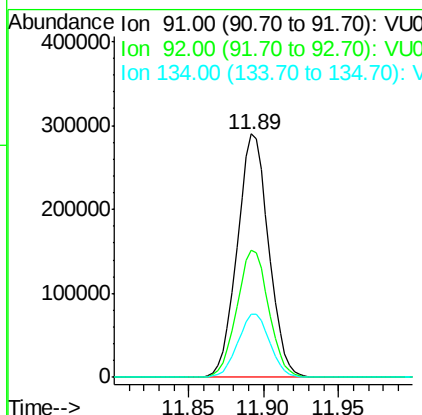
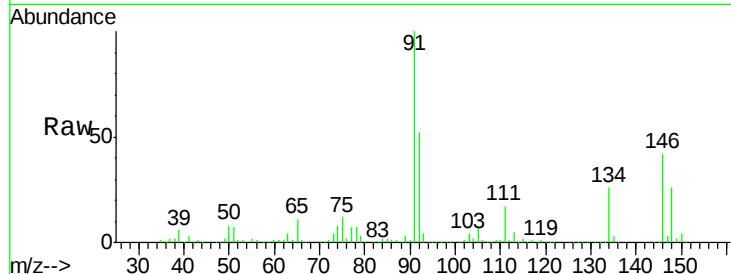
#89
n-Butylbenzene
Concen: 47.59 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	26.5	13.6	40.7

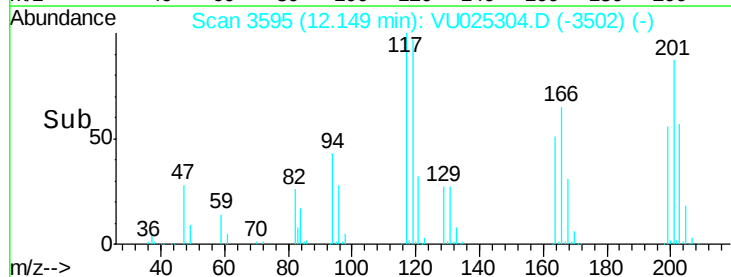
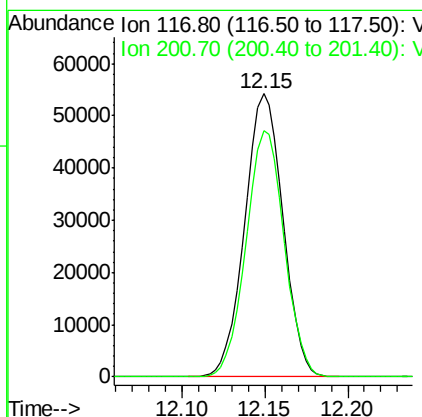
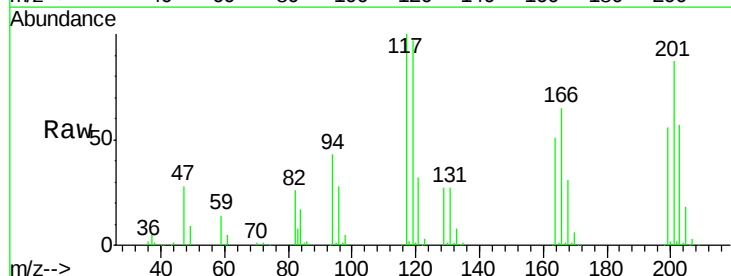
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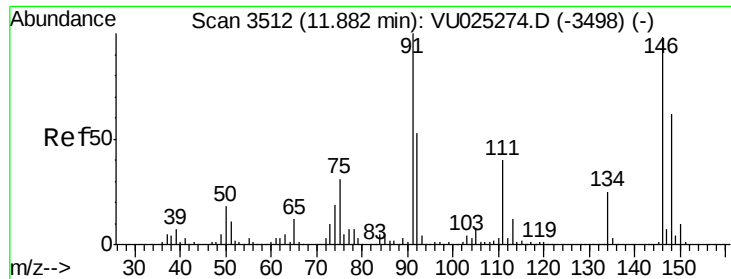
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#90
Hexachloroethane
Concen: 47.37 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	42.5	127.6





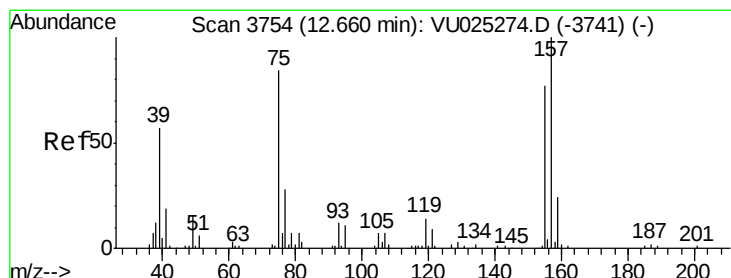
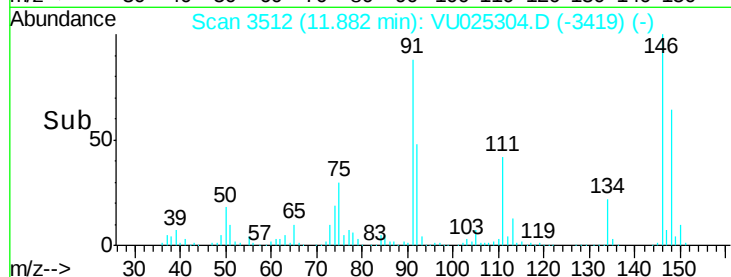
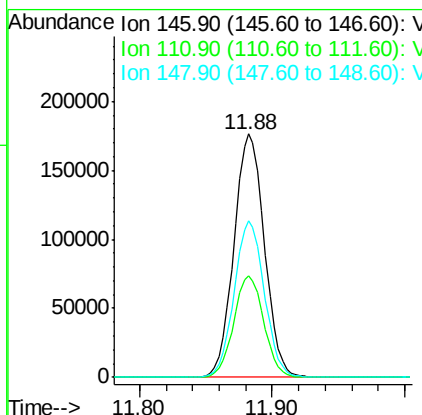
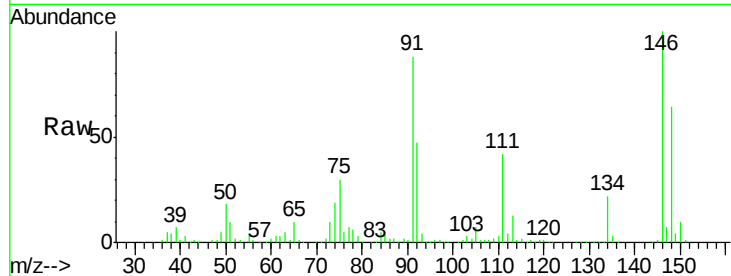
#91
1,2-Dichlorobenzene
Concen: 48.71 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	63.7	31.5	94.5

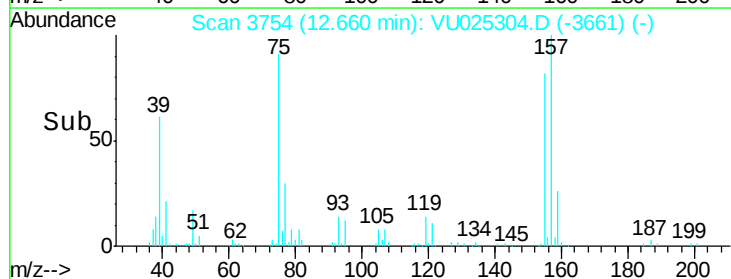
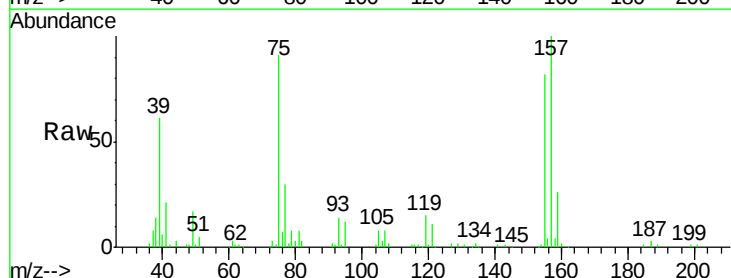
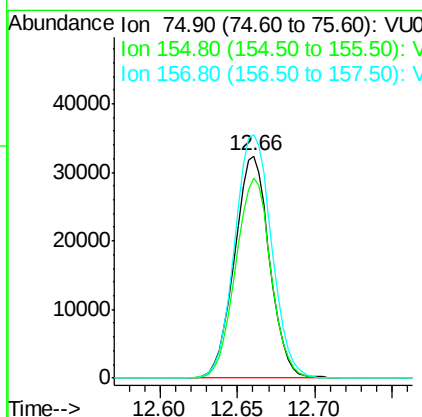
Manual Integrations
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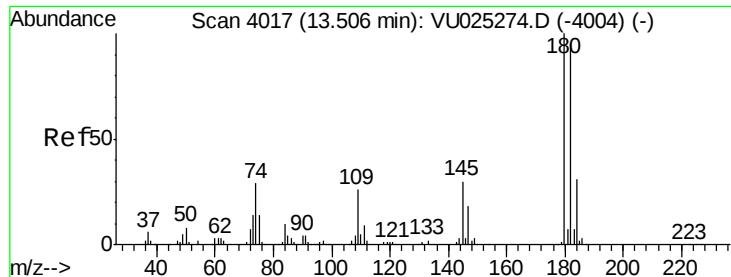
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 52.32 ug/l
RT: 12.66 min Scan# 3754
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.1	44.5	133.3
157	115.5	57.0	170.8





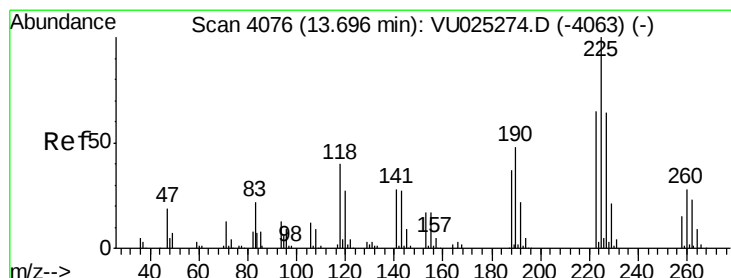
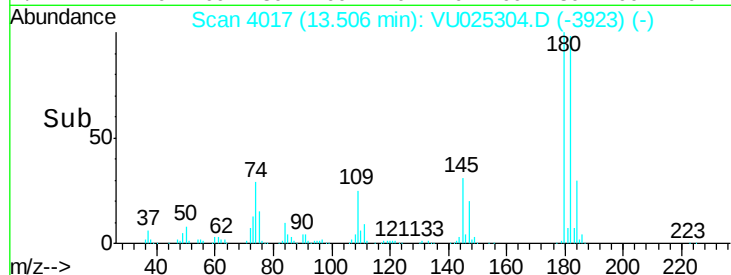
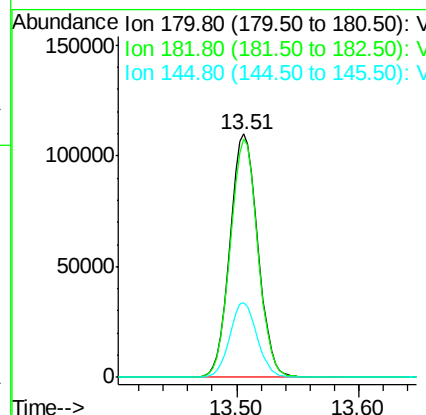
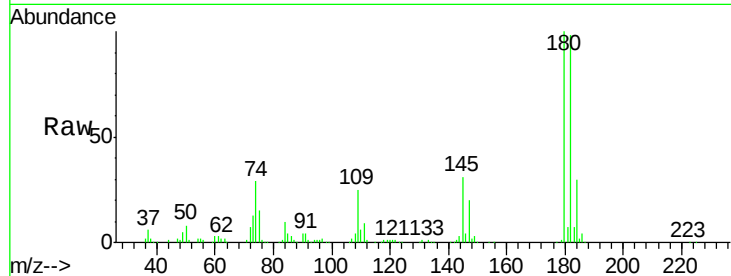
#93
 1,2,4-Trichlorobenzene
 Concen: 45.85 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.3	141.9
145	30.2	14.9	44.7

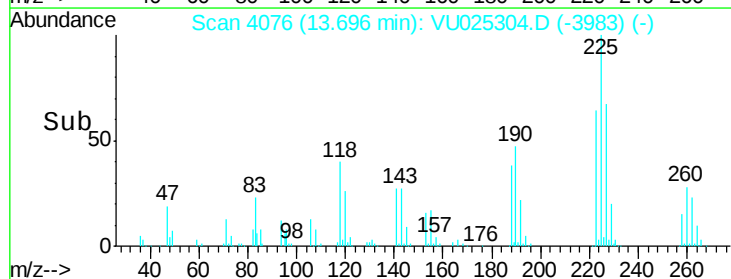
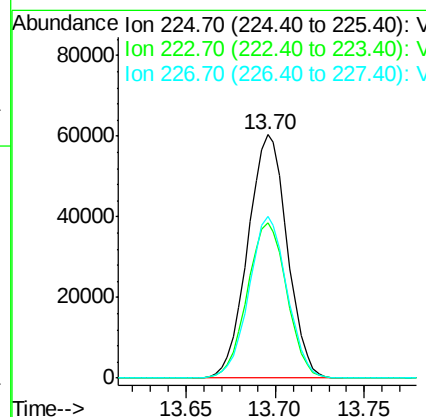
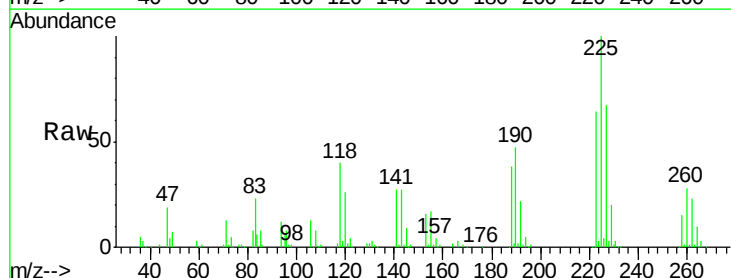
Manual Integrations
 APPROVED

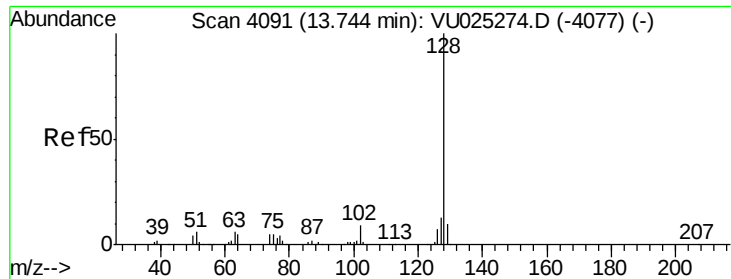
MMDadoda
 7/11/2018 5:06:00 PM



#94
 Hexachlorobutadiene
 Concen: 45.11 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025304.D
 Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.2	32.3	96.9





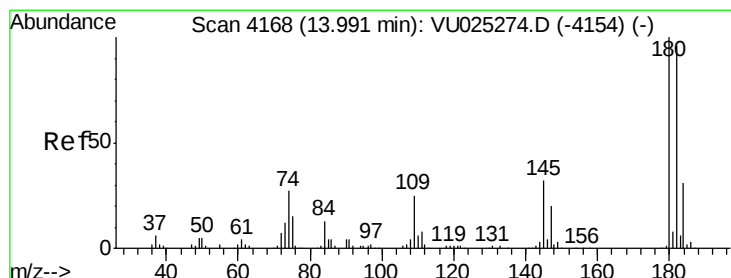
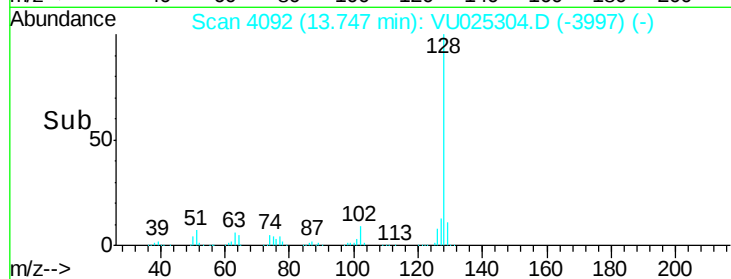
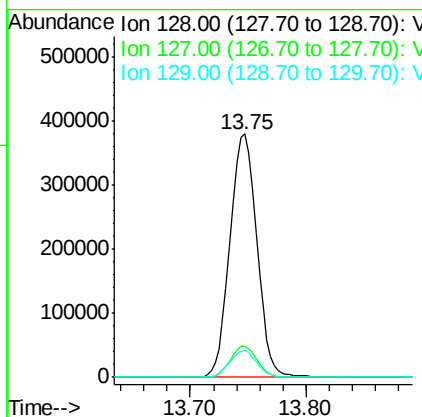
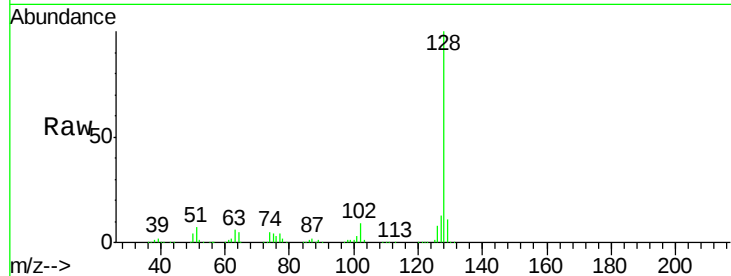
#95
Naphthalene
Concen: 51.70 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.9	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:06:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.67 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025304.D
Acq: 10 Jul 2018 21:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.8	143.3
145	31.9	15.6	46.8

