

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025737.D
 Acq On : 31 Jul 2018 14:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:40:42 AM

Quant Time: Jul 31 17:11:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278346	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	172589	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	135895	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	4.88	113	112879	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
50) Toluene-d8	7.57	98	410147	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.31	95	159630	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	147441	51.903	ug/l	99
3) Chloromethane	1.33	50	119031	43.840	ug/l	98
4) Vinyl Chloride	1.40	62	119700	46.846	ug/l	98
5) Bromomethane	1.62	94	62642	50.195	ug/l	98
6) Chloroethane	1.69	64	69616	46.595	ug/l	99
7) Trichlorofluoromethane	1.89	101	178994	48.451	ug/l	99
8) Diethyl Ether	2.10	74	63014	47.142	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101975	47.698	ug/l	100
10) Methyl Iodide	2.41	142	81794	42.562	ug/l	99
11) Tert butyl alcohol	2.82	59	127820	199.360	ug/l	99
12) 1,1-Dichloroethene	2.28	96	93909	46.535	ug/l	94
13) Acrolein	2.19	56	68496	295.361	ug/l	99
14) Allyl chloride	2.59	41	165064	45.515	ug/l	98
15) Acrylonitrile	2.93	53	289945	226.499	ug/l	99
16) Acetone	2.32	43	317907	222.663	ug/l	97
17) Carbon Disulfide	2.48	76	302718	46.350	ug/l	100
18) Methyl Acetate	2.62	43	172771	50.277	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	351426	48.055	ug/l	100
20) Methylene Chloride	2.70	84	115676	45.716	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	108941	46.699	ug/l	100
22) Diisopropyl ether	3.57	45	343696	48.093	ug/l	95
23) Vinyl Acetate	3.53	43	1456984	233.940	ug/l	99
24) 1,1-Dichloroethane	3.45	63	204860	47.754	ug/l	99
25) 2-Butanone	4.26	43	430527	221.515	ug/l	100
26) 2,2-Dichloropropane	4.23	77	193111	49.525	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	124808	47.453	ug/l	99
28) Bromochloromethane	4.55	49	95256	49.662	ug/l	97
29) Tetrahydrofuran	4.63	42	251703	216.164	ug/l	99
30) Chloroform	4.68	83	209605	46.289	ug/l	99
31) Cyclohexane	5.00	56	179510	48.052	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	194551	47.721	ug/l	98
36) 1,1-Dichloropropene	5.14	75	159621	49.070	ug/l	97
37) Ethyl Acetate	4.38	43	153075	45.383	ug/l	98
38) Carbon Tetrachloride	5.14	117	181704	49.317	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	182809	49.048	ug/l	98
40) Benzene	5.39	78	453303	47.674	ug/l	96
41) Methacrylonitrile	4.54	41	86190	46.007	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172571	47.134	ug/l	99
43) Isopropyl Acetate	5.55	43	255117	45.771	ug/l	99
44) Trichloroethene	6.19	130	128605	48.567	ug/l	99
45) 1,2-Dichloropropane	6.44	63	118000	47.584	ug/l	99
46) Dibromomethane	6.56	93	83186	46.295	ug/l	98
47) Bromodichloromethane	6.76	83	165791	48.371	ug/l	97
48) Methyl methacrylate	6.62	41	132537	48.517	ug/l	97
49) 1,4-Dioxane	6.61	88	59666	897.546	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	794937	227.807	ug/l	99
52) Toluene	7.64	92	291442	49.337	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	194352	50.501	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	200290	50.665	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	117152	47.722	ug/l	99
56) Ethyl methacrylate	8.02	69	172947	49.307	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197769	47.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	358224	226.227	ug/l	100
59) 2-Hexanone	8.36	43	635922	232.482	ug/l	97
60) Dibromochloromethane	8.48	129	140947	48.687	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132058	48.370	ug/l	98
64) Tetrachloroethene	8.23	164	113968	48.675	ug/l	97
65) Chlorobenzene	9.12	112	335518	48.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124877	50.333	ug/l	98
67) Ethyl Benzene	9.25	91	573582	50.490	ug/l	100
68) m/p-Xylenes	9.38	106	451643	103.553	ug/l	100
69) o-Xylene	9.78	106	217674	51.066	ug/l	99
70) Styrene	9.80	104	354587	51.500	ug/l	99
71) Bromoform	9.96	173	109851	51.063	ug/l #	99
73) Isopropylbenzene	10.17	105	587502	49.875	ug/l	100
74) N-amyl acetate	10.01	43	235250	48.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	190255	46.705	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	159789m	42.020	ug/l	
77) Bromobenzene	10.45	156	160276	49.329	ug/l	97
78) n-propylbenzene	10.59	91	699507	50.878	ug/l	100
79) 2-Chlorotoluene	10.66	91	402395	49.969	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	509796	50.959	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	74917m	49.400	ug/l	
82) 4-Chlorotoluene	10.77	91	488432	51.454	ug/l	99
83) tert-Butylbenzene	11.10	119	492046	49.503	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	521672	51.459	ug/l	98
85) sec-Butylbenzene	11.33	105	604775	49.835	ug/l	100
86) p-Isopropyltoluene	11.48	119	553072	50.897	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	300770	49.871	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	305899	48.659	ug/l	99
89) n-Butylbenzene	11.89	91	504293	50.290	ug/l	99
90) Hexachloroethane	12.15	117	93180	48.229	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	296602	50.174	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45742	47.365	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	212665	53.302	ug/l	99
94) Hexachlorobutadiene	13.70	225	94035	44.712	ug/l	99
95) Naphthalene	13.74	128	607729	47.486	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	209198	52.562	ug/l	100

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

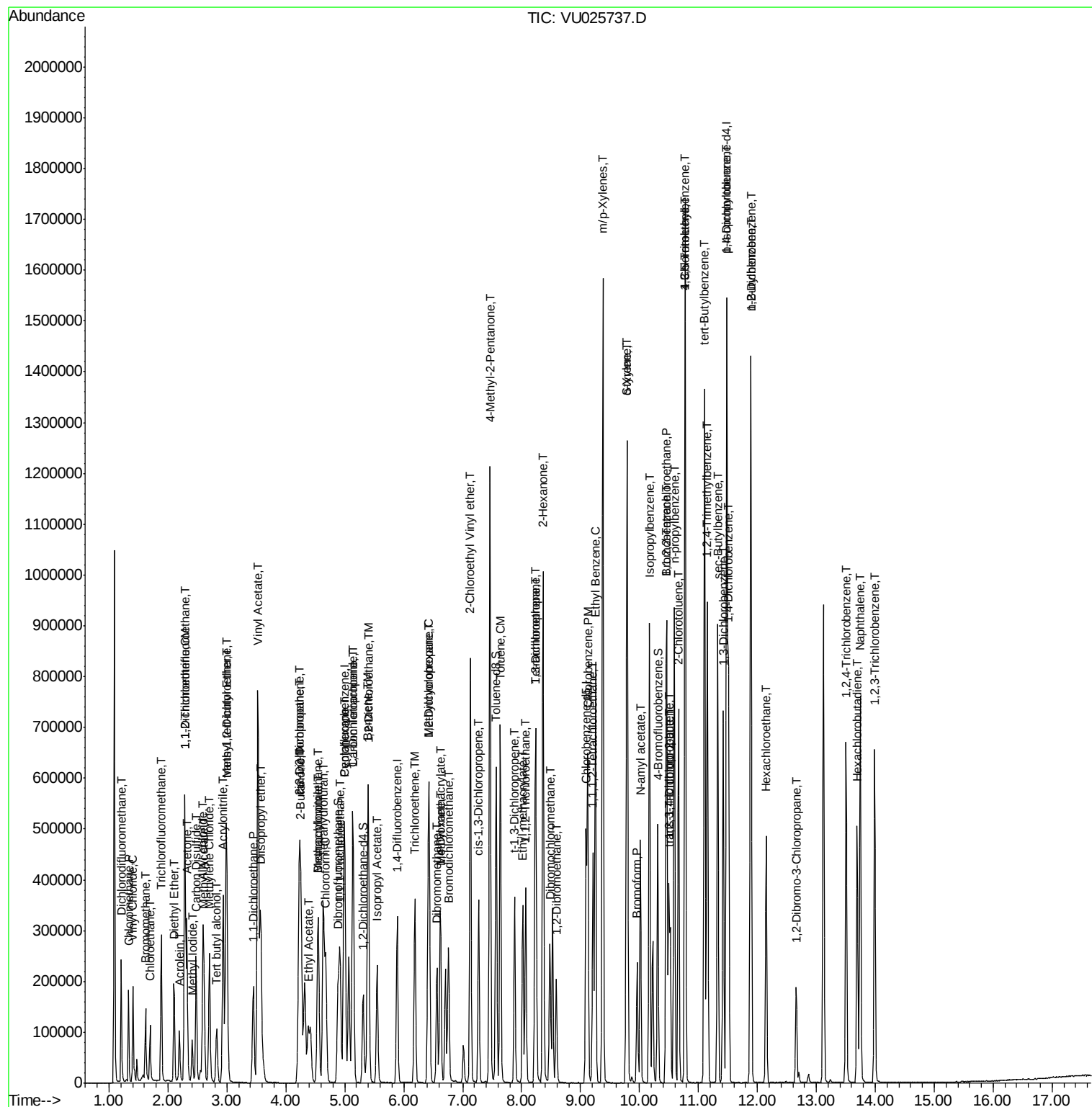
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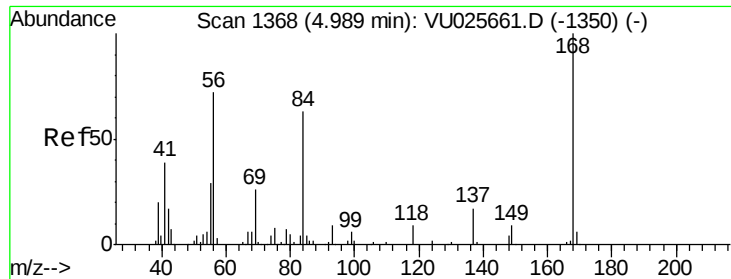
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 187950

Ion Ratio Lower Upper

168 100

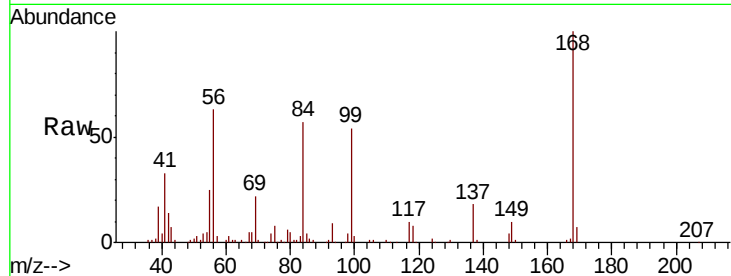
99 54.0 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

100000

80000

60000

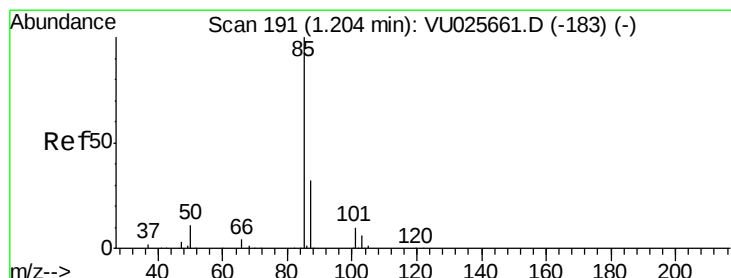
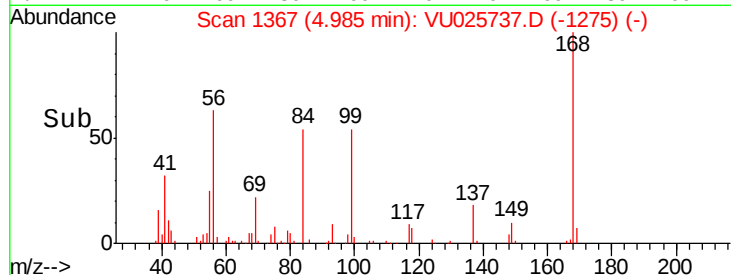
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.903 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025737.D

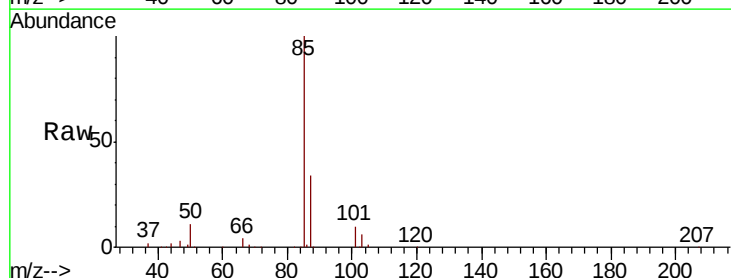
Acq: 31 Jul 2018 14:09

Tgt Ion: 85 Resp: 147441

Ion Ratio Lower Upper

85 100

87 33.7 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

150000

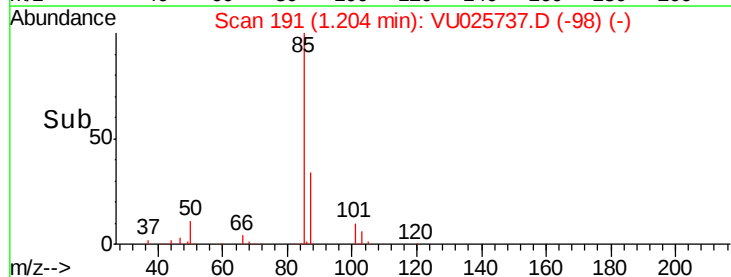
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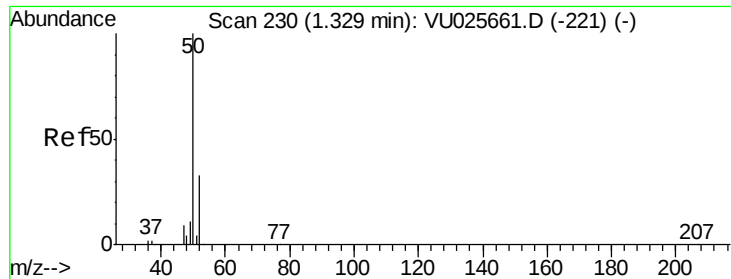
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.840 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 119031

Ion Ratio Lower Upper

50 100

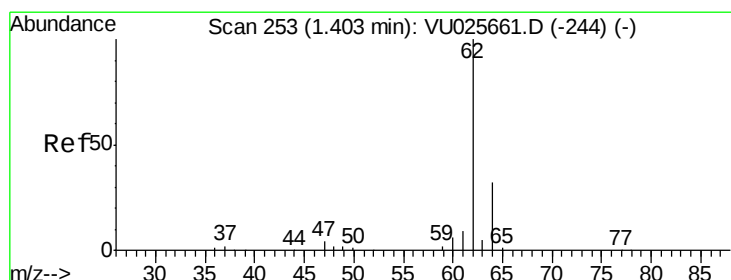
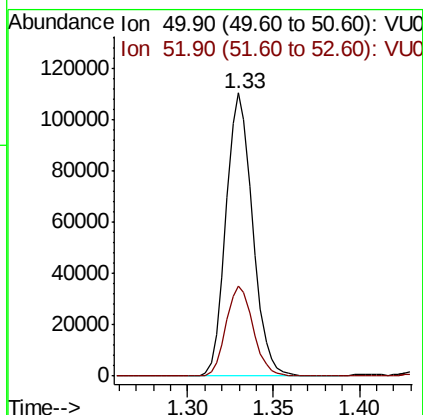
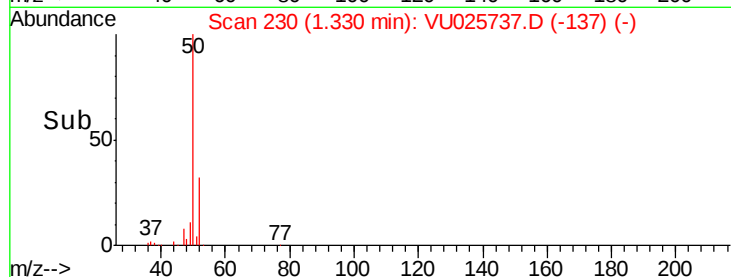
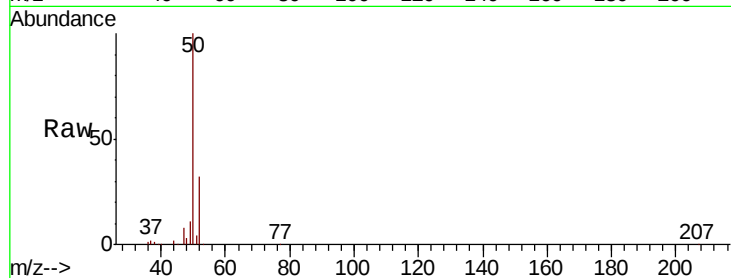
52 32.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.846 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025737.D

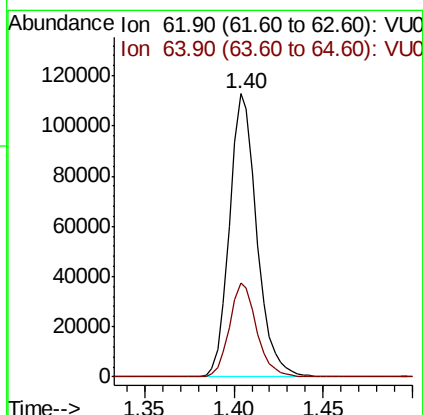
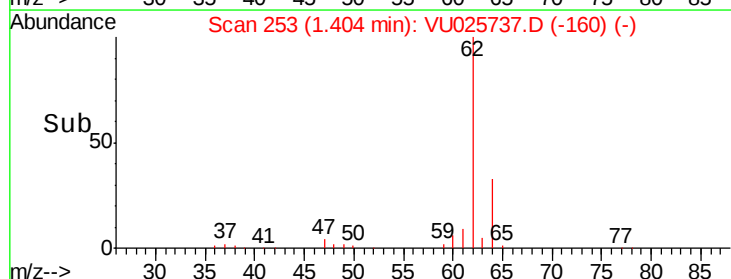
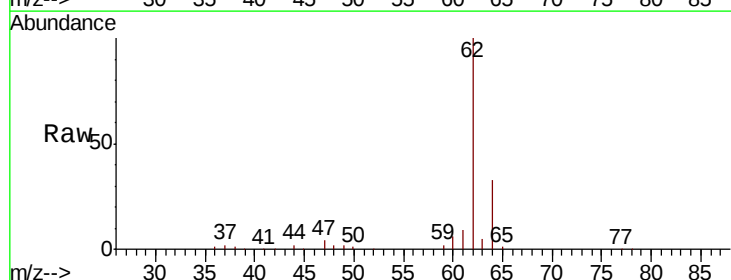
Acq: 31 Jul 2018 14:09

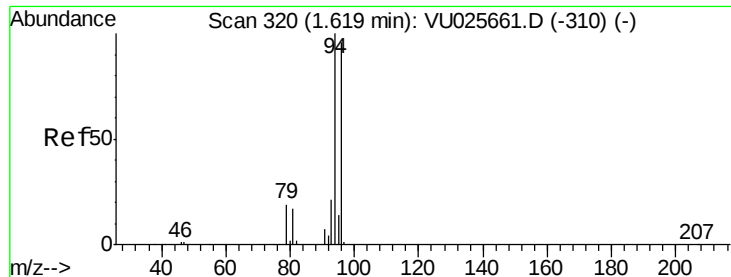
Tgt Ion: 62 Resp: 119700

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 50.195 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 62642

Ion Ratio Lower Upper

94 100

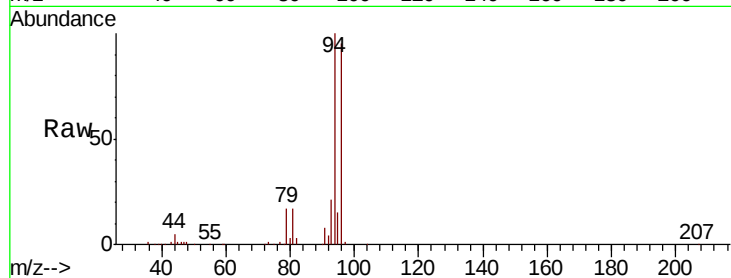
96 95.5 75.0 112.4

Manual Integrations

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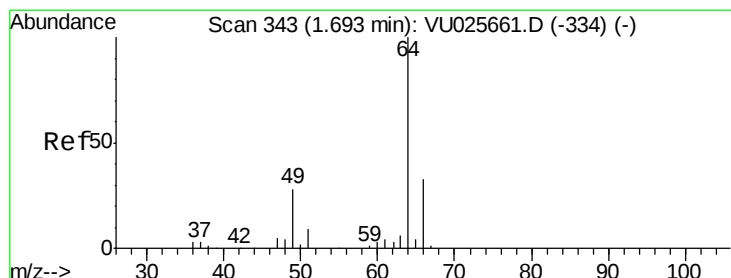
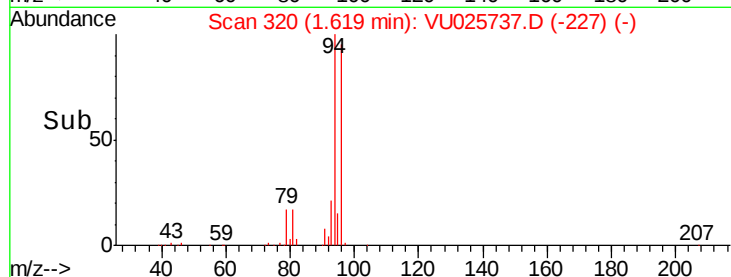
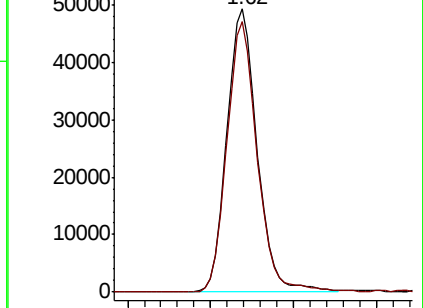
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)



#6

Chloroethane

Concen: 46.595 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025737.D

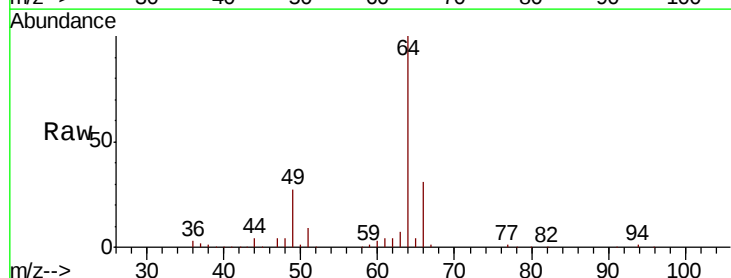
Acq: 31 Jul 2018 14:09

Tgt Ion: 64 Resp: 69616

Ion Ratio Lower Upper

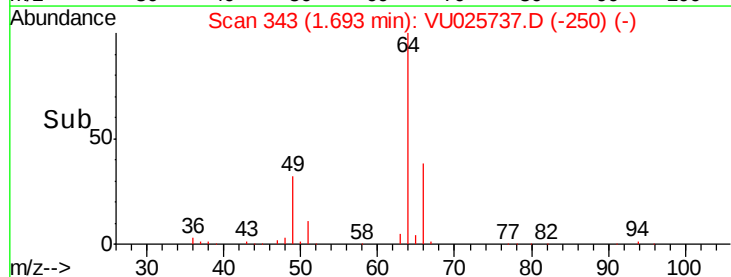
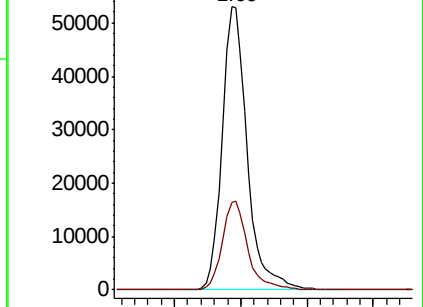
64 100

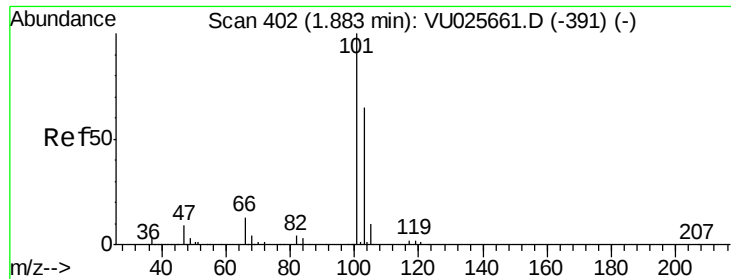
66 30.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)





#7

Trichlorofluoromethane

Concen: 48.451 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 178994

Ion Ratio Lower Upper

101 100

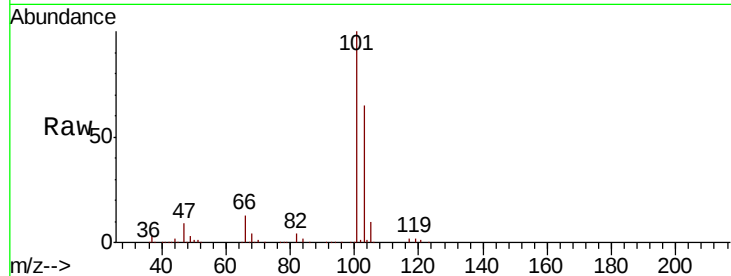
103 64.6 52.2 78.2

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

150000

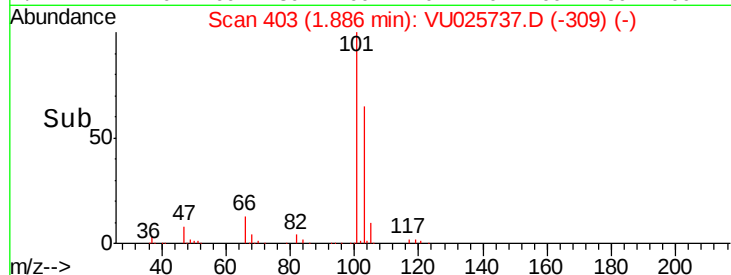
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50000

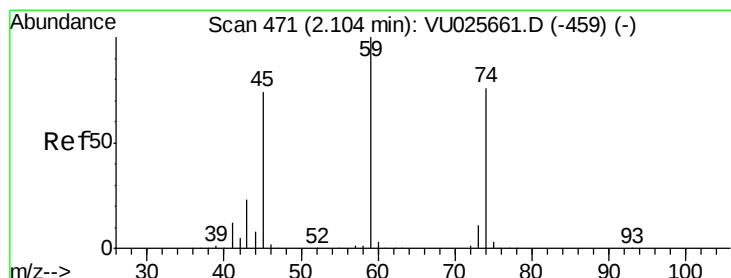
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1.89

Time-->



Time-->



#8

Diethyl Ether

Concen: 47.142 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025737.D

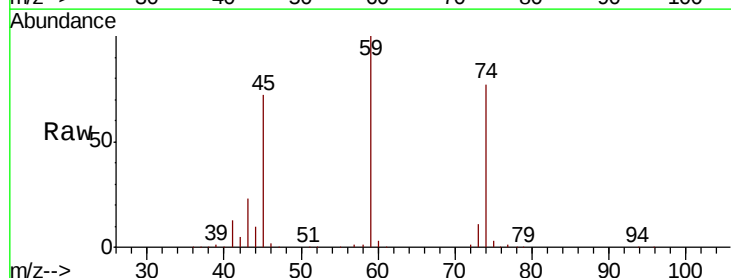
Acq: 31 Jul 2018 14:09

Tgt Ion: 74 Resp: 63014

Ion Ratio Lower Upper

74 100

45 96.6 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

50000

40000

30000

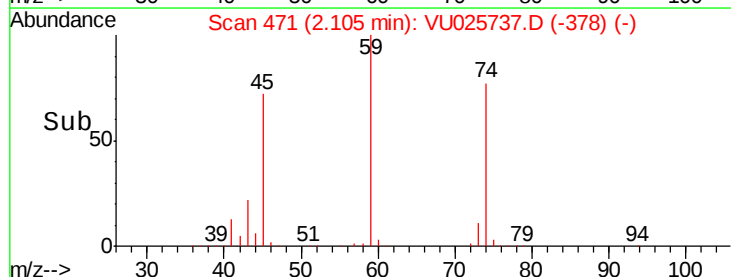
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10000

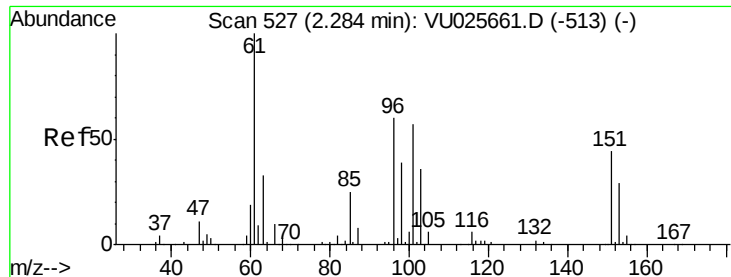
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2.10

Time-->



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.698 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

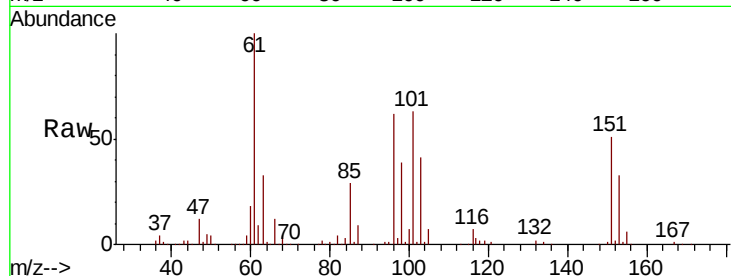
ClientSampleId :

VSTDCCC050

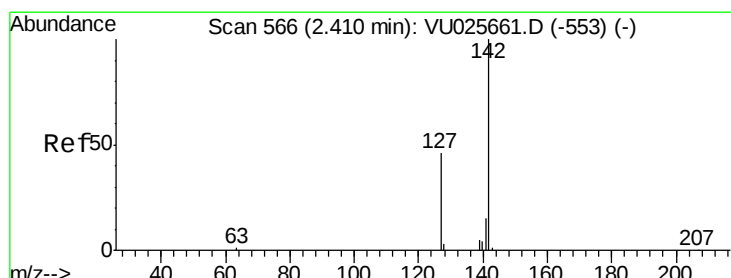
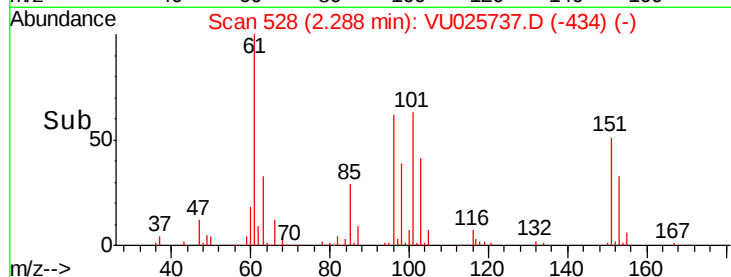
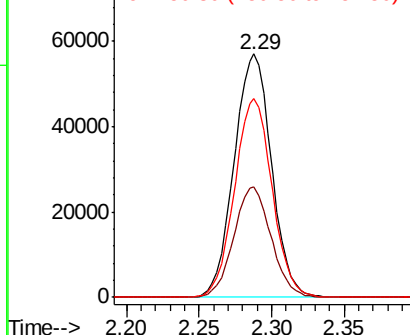
Tot Ion:	101	Resp:	101975
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	82.2	65.6	98.4

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8/2/2018 9:40:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 42.562 ug/l

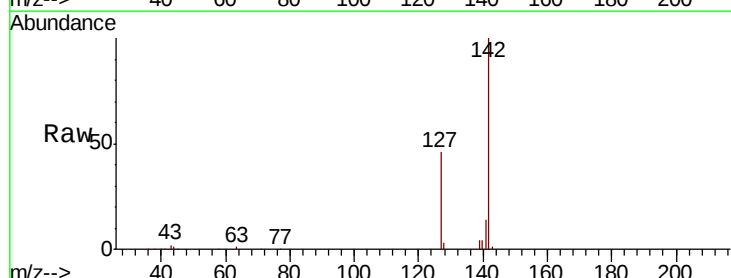
RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

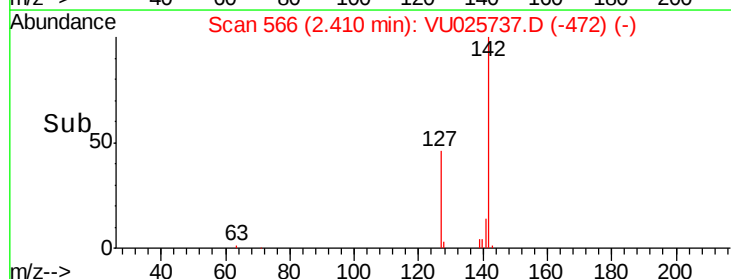
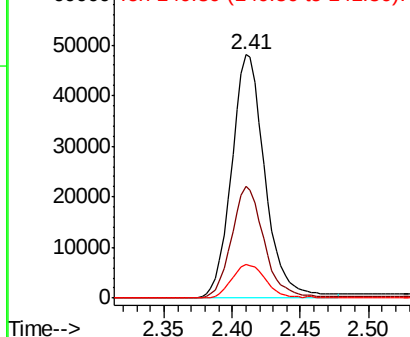
Lab File: VU025737.D

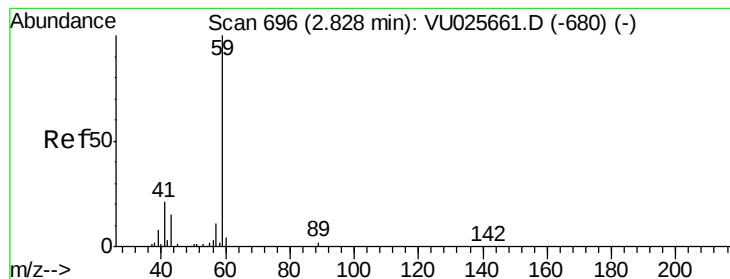
Acq: 31 Jul 2018 14:09

Tgt Ion:	142	Resp:	81794
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.5	54.7
141	14.1	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

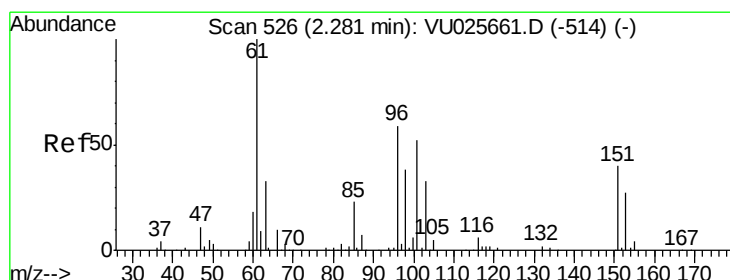
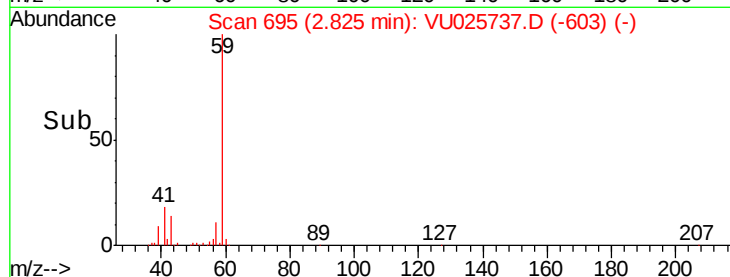
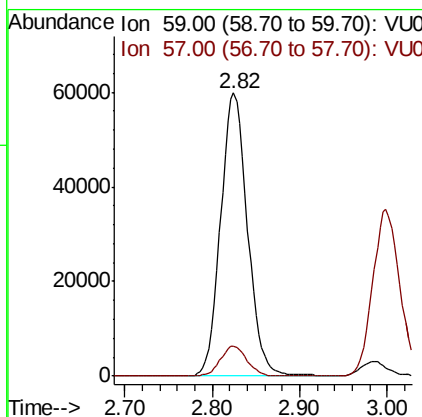
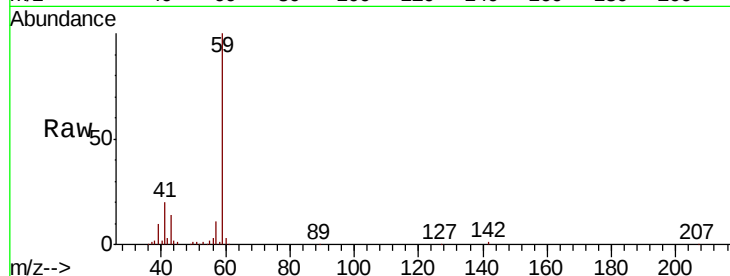
Tert butyl alcohol
 Concen: 199.360 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	127820
Ion Ratio	100	Lower	Upper
57	10.5	8.2	12.2

Manual Integrations
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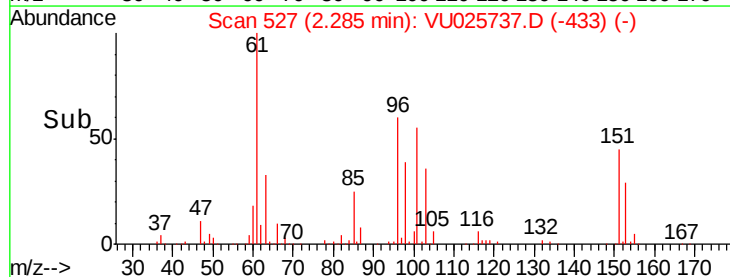
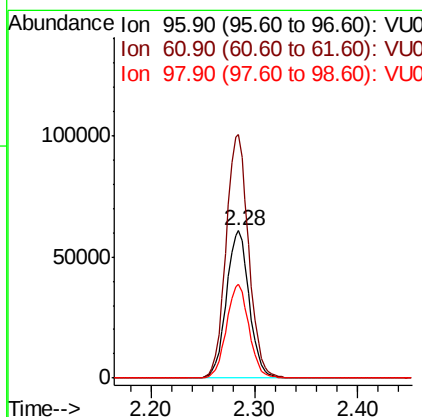
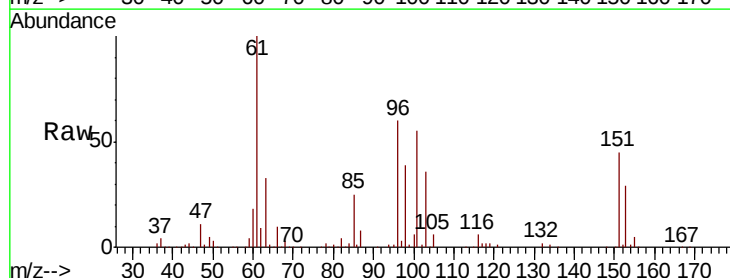
MMDadoda
 8/2/2018 9:40:42 AM

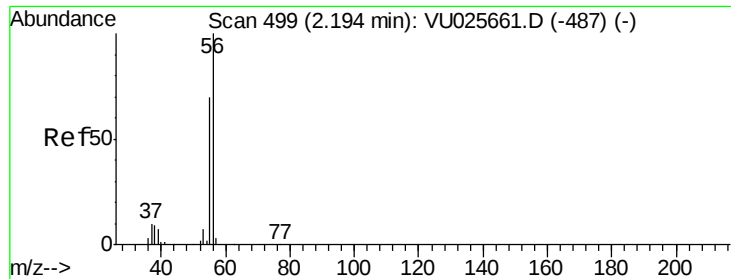


#12

1,1-Dichloroethene
 Concen: 46.535 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion	96	Resp	93909
Ion Ratio	100	Lower	Upper
61	165.4	140.2	210.4
98	64.0	49.3	73.9





#13

Acrolein

Concen: 295.361 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68496

Ion Ratio Lower Upper

56 100

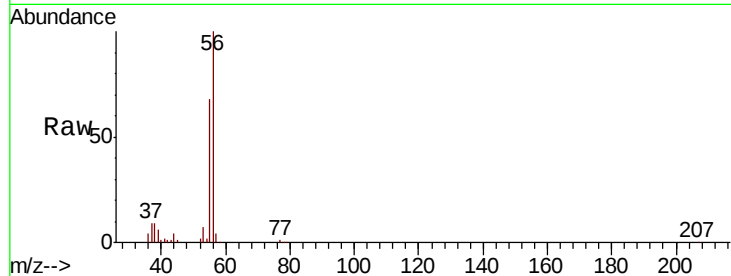
55 70.5 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU025737.D (-487) (-)

Ion 55.00 (54.70 to 55.70): VU025737.D (-487) (-)

2.19

50000

40000

30000

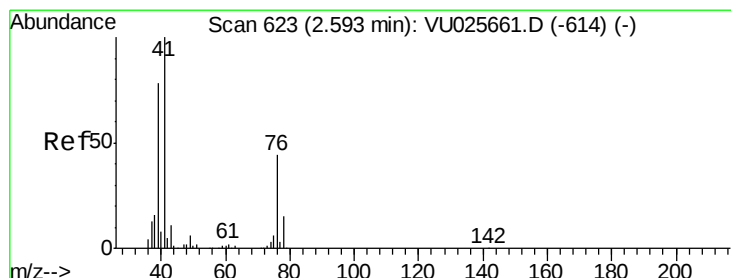
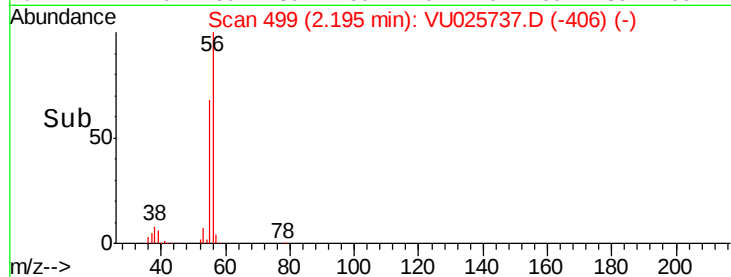
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 45.515 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

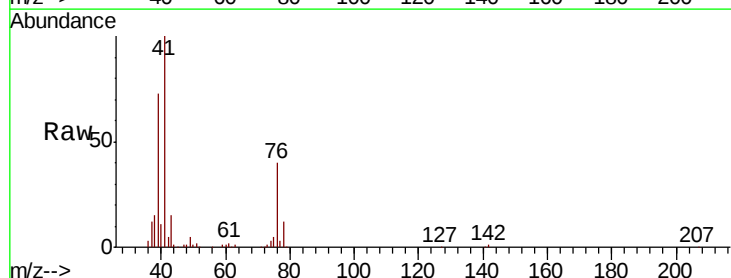
Tgt Ion: 41 Resp: 165064

Ion Ratio Lower Upper

41 100

39 73.8 60.6 91.0

76 39.7 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU025737.D (-530) (-)

Ion 39.00 (38.70 to 39.70): VU025737.D (-530) (-)

Ion 75.90 (75.60 to 76.60): VU025737.D (-530) (-)

2.59

120000

100000

80000

60000

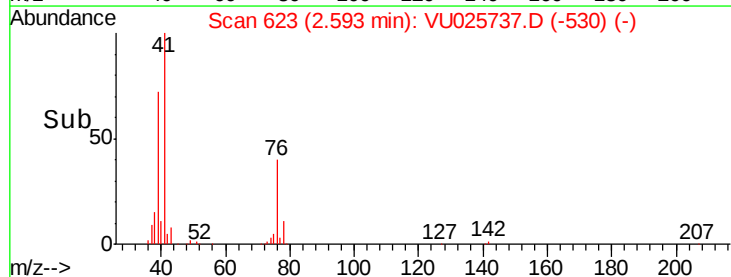
40000

20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 226.499 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

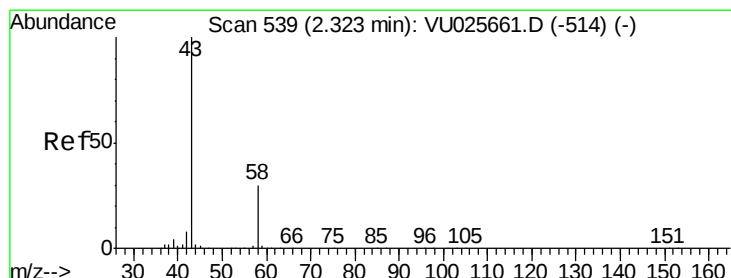
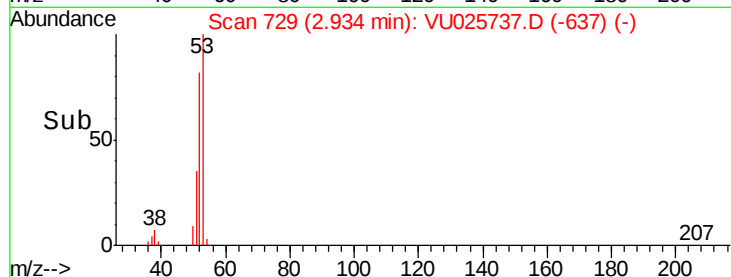
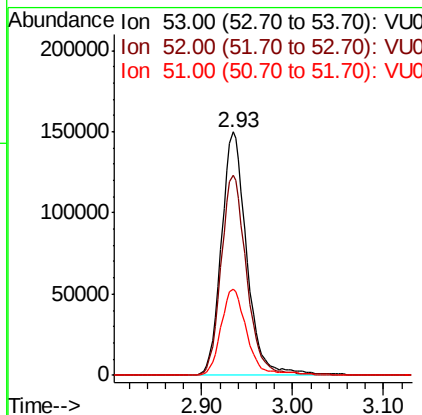
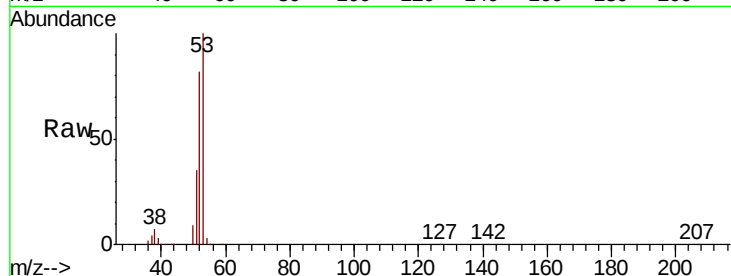
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	289945
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	99.8
51	35.4	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 222.663 ug/l

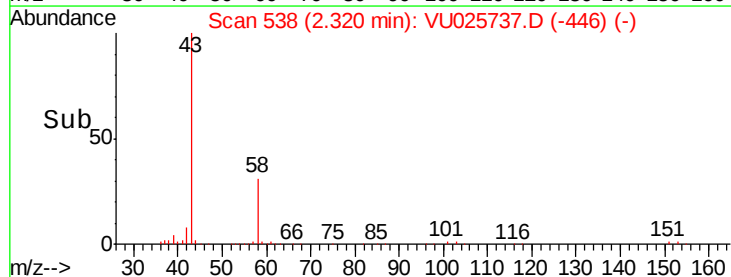
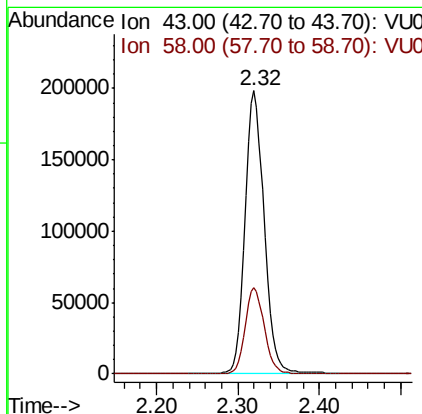
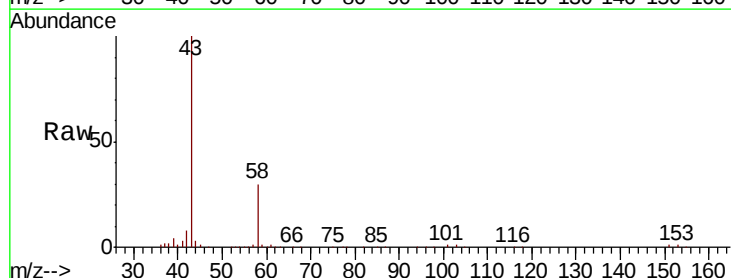
RT: 2.32 min Scan# 538

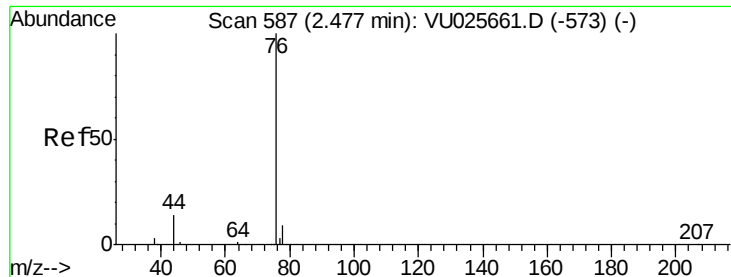
Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	43	Resp:	317907
Ion	Ratio	Lower	Upper
43	100		
58	30.4	23.1	34.7





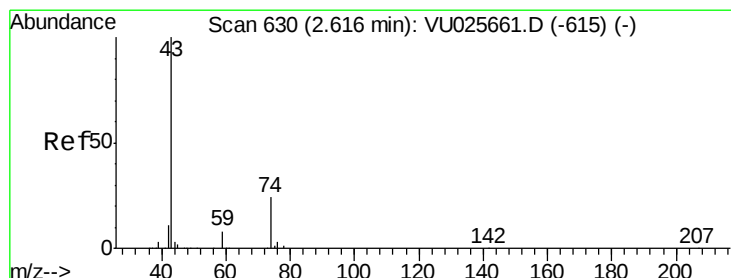
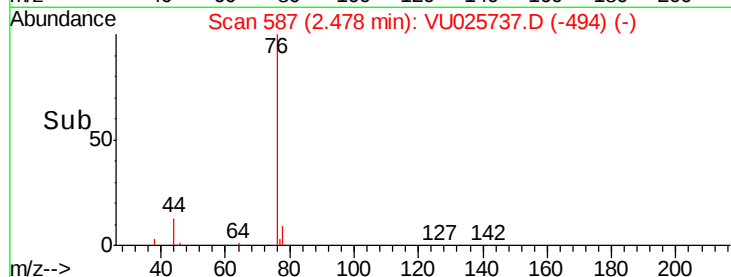
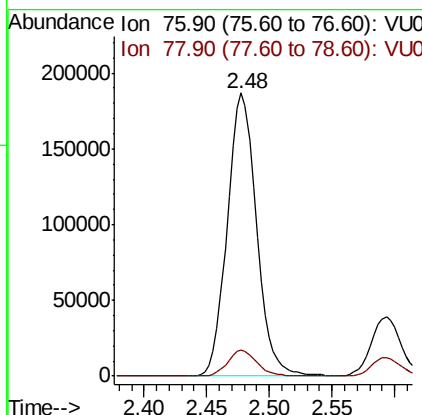
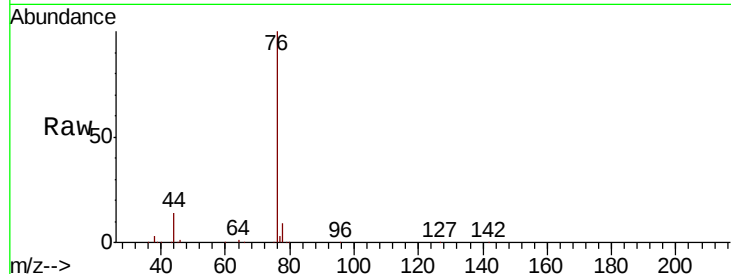
#17
Carbon Disulfide
Concen: 46.350 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

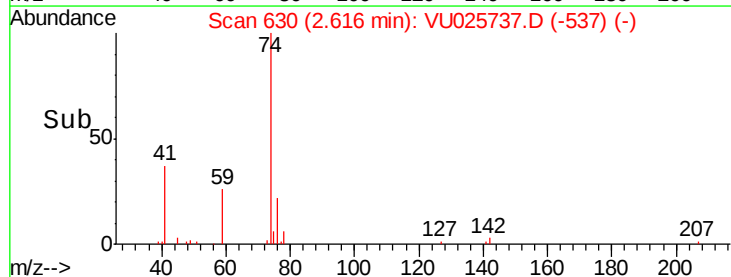
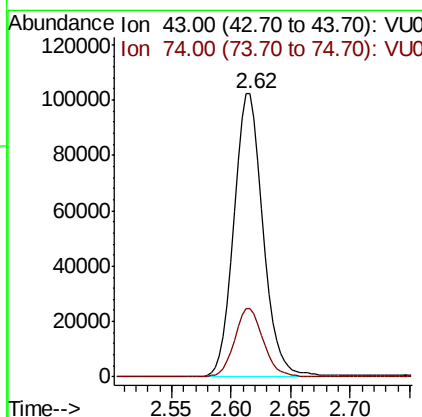
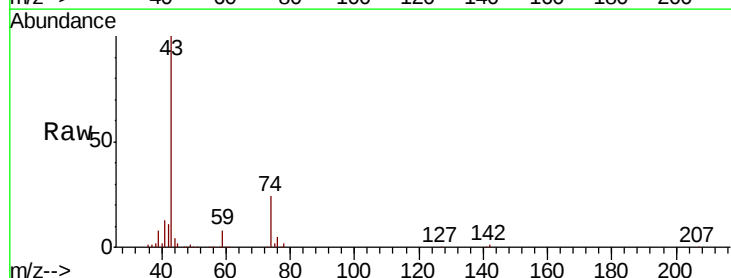
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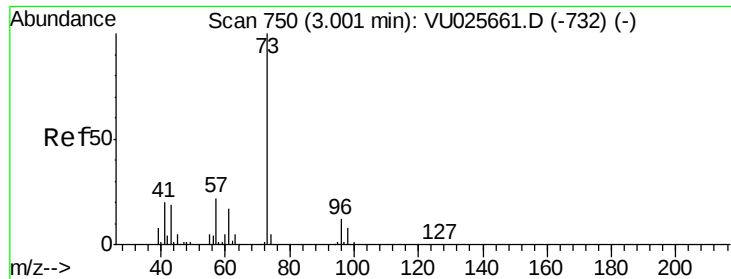
MMDadoda
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#18
Methyl Acetate
Concen: 50.277 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





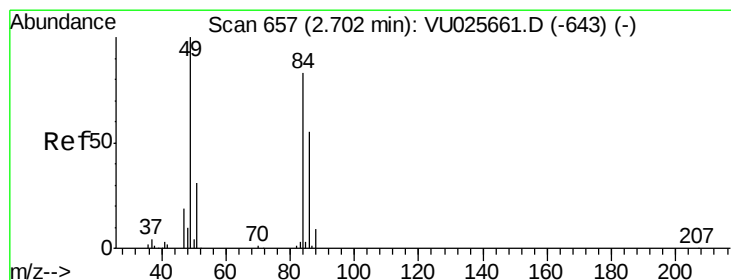
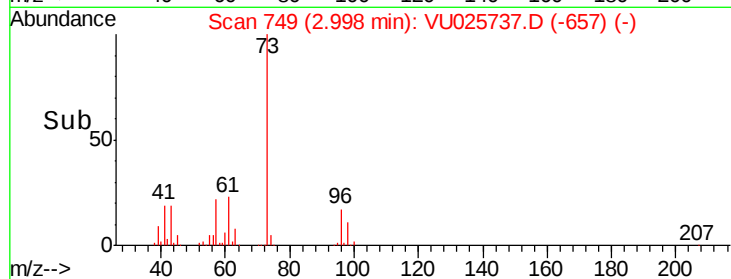
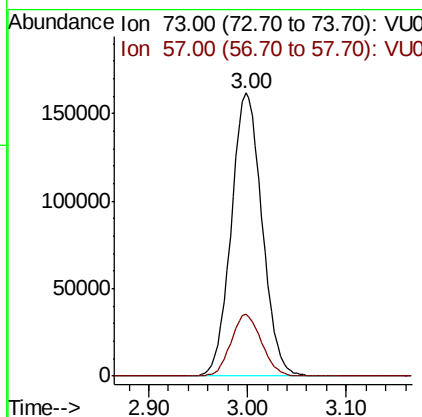
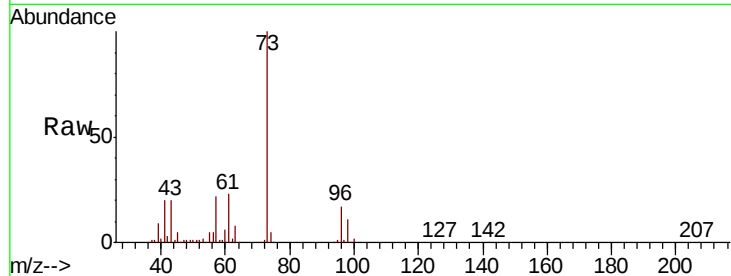
#19
Methvl tert-butvl Ether
Concen: 48.055 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

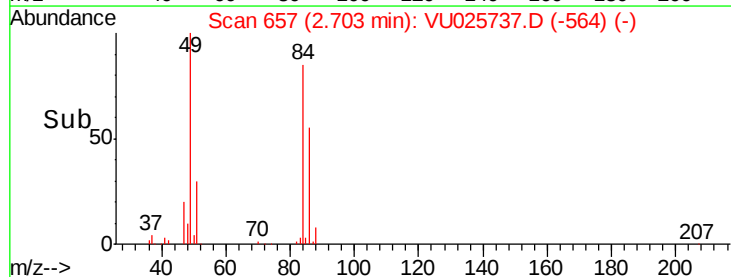
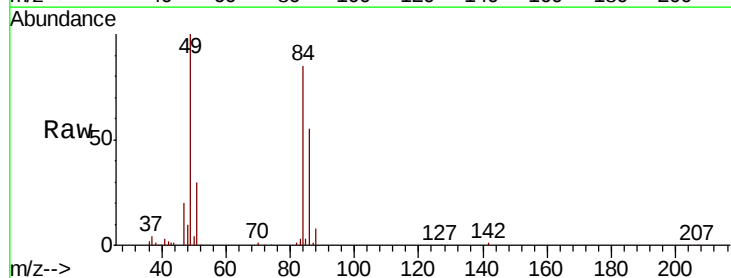
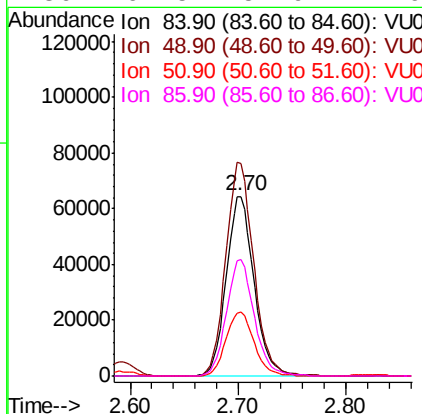
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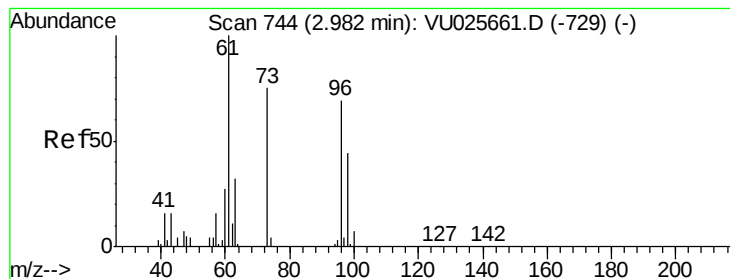
MMDadoda
8/2/2018 9:40:42 AM



#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.3	101.8	152.6
51	35.5	30.8	46.2
86	64.5	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 46.699 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

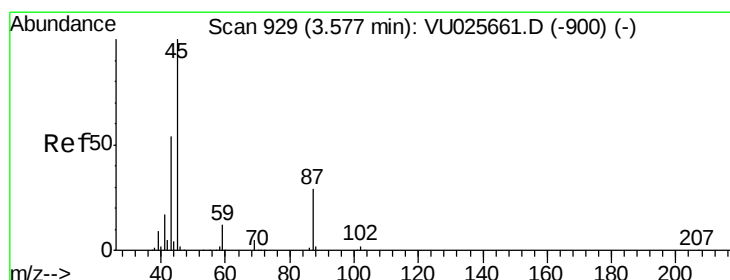
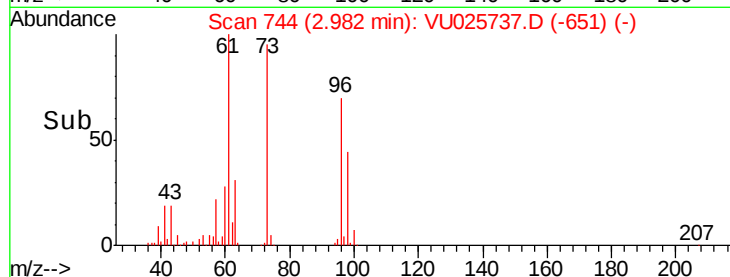
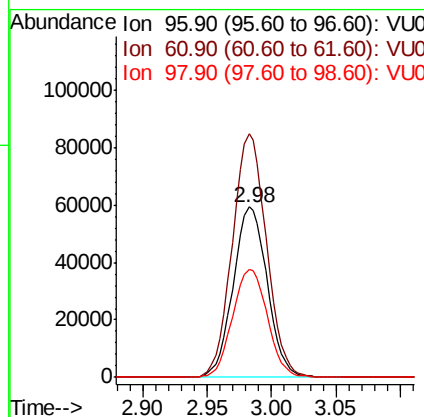
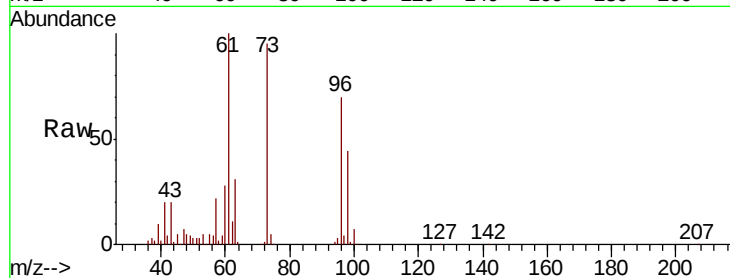
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	108941
Ion	Ratio	Lower	Upper
96	100		
61	143.0	114.5	171.7
98	63.6	50.5	75.7

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#22

Diisopropyl ether

Concen: 48.093 ug/l

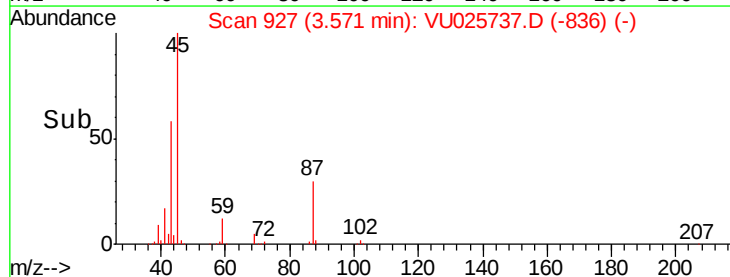
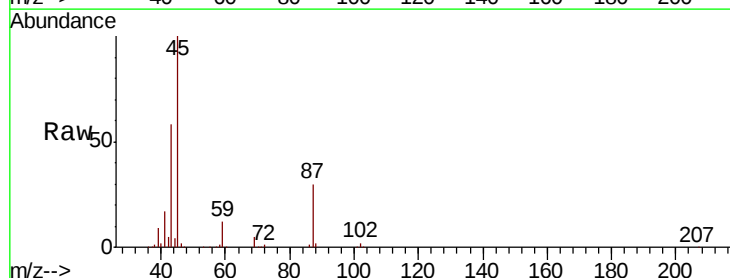
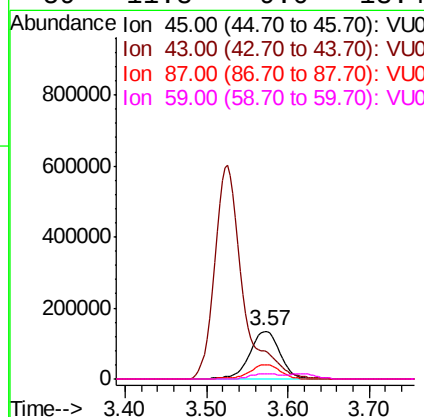
RT: 3.57 min Scan# 927

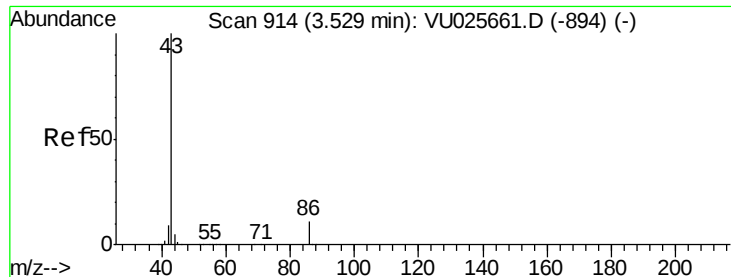
Delta R.T. -0.01 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	45	Resp:	343696
Ion	Ratio	Lower	Upper
45	100		
43	57.6	50.9	76.3
87	29.8	23.8	35.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 233.940 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1456984

Ion Ratio Lower Upper

43 100

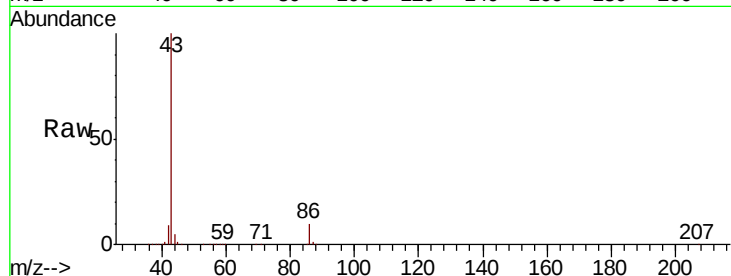
86 10.5 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU025737.D (-821) (-)

Ion 86.00 (85.70 to 86.70): VU025737.D (-821) (-)

3.53

600000

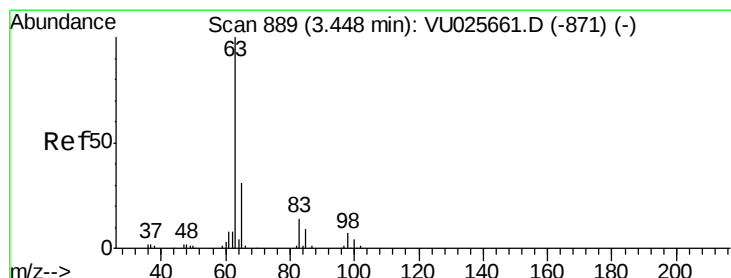
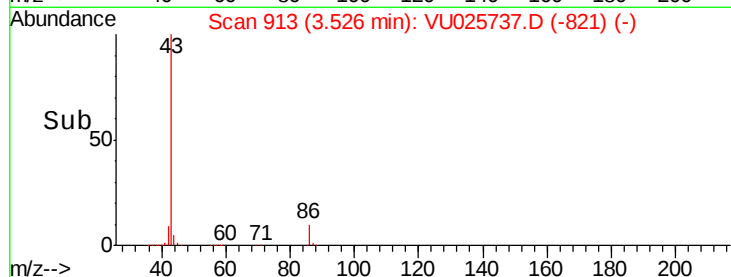
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.754 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

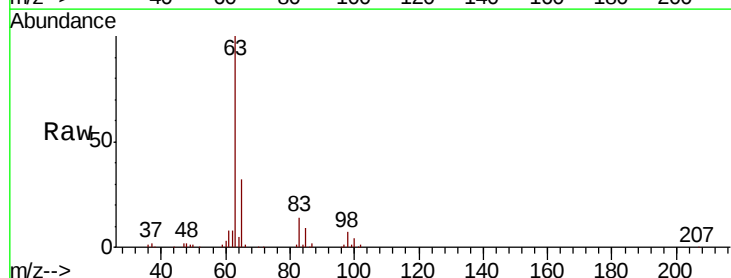
Tgt Ion: 63 Resp: 204860

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU025737.D (-796) (-)

Ion 97.90 (97.60 to 98.60): VU025737.D (-796) (-)

Ion 99.90 (99.60 to 100.60): VU025737.D (-796) (-)

3.45

120000

100000

80000

60000

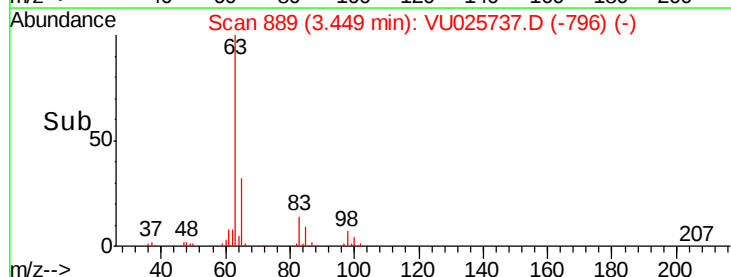
40000

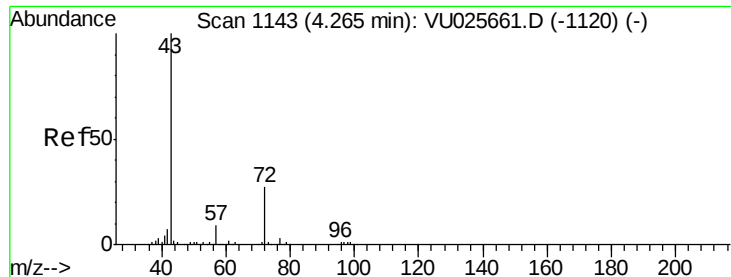
20000

0

3.40 3.50

Time-->





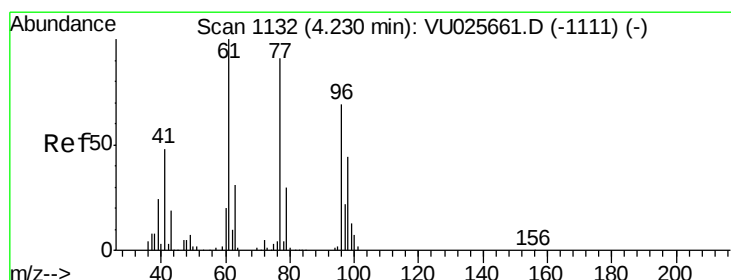
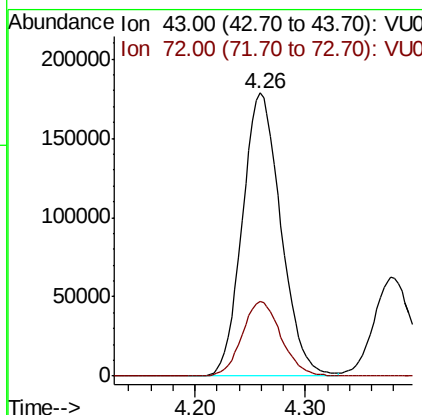
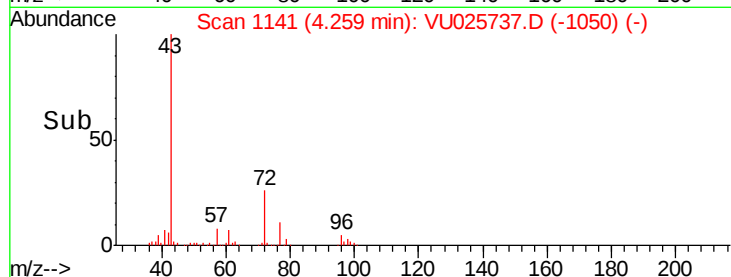
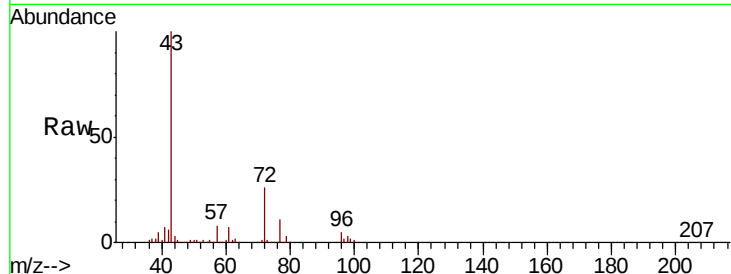
#25
2-Butanone
Concen: 221.515 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	430527
Ion Ratio	100	Lower	Upper
72	26.4	21.0	31.4

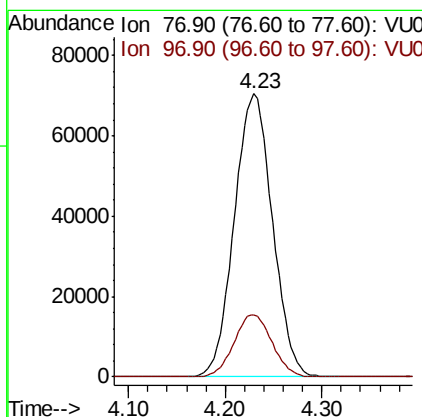
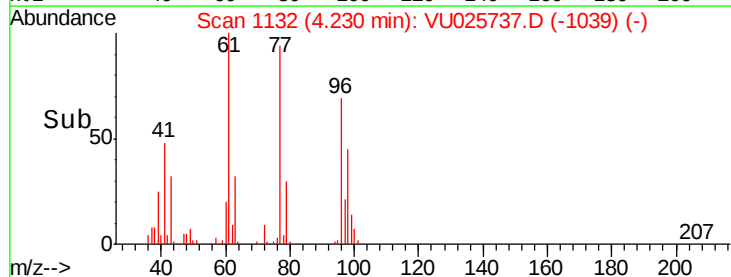
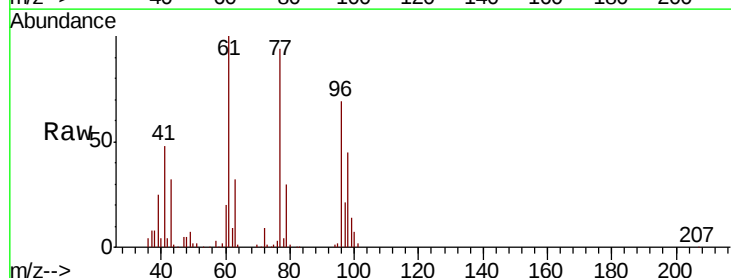
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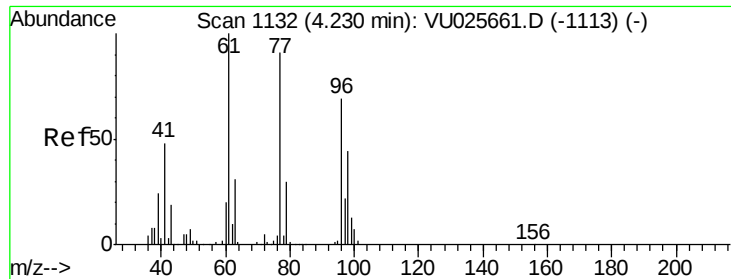
MMDadoda
8/2/2018 9:40:42 AM



#26
2,2-Dichloropropane
Concen: 49.525 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	77	Resp	193111
Ion Ratio	100	Lower	Upper
97	21.8	11.2	33.5





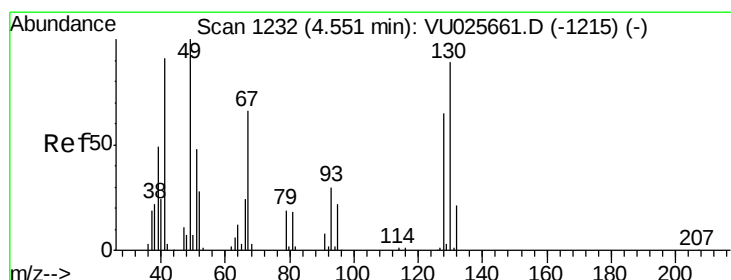
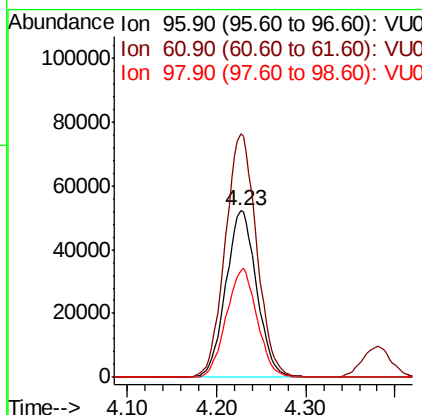
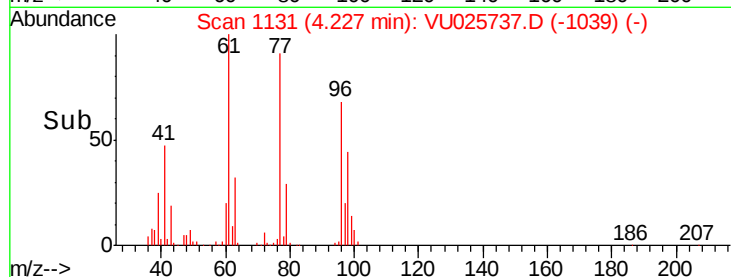
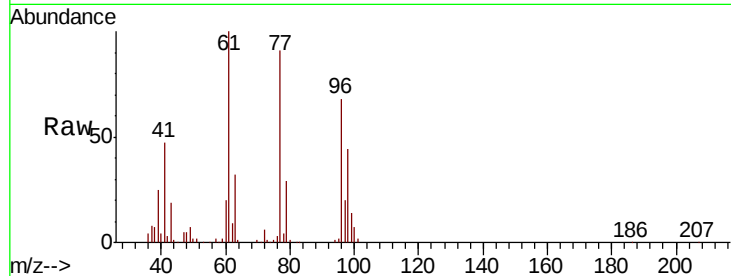
#27
 cis-1,2-Dichloroethene
 Concen: 47.453 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.9	0.0	299.8	
98	65.1	0.0	128.6	

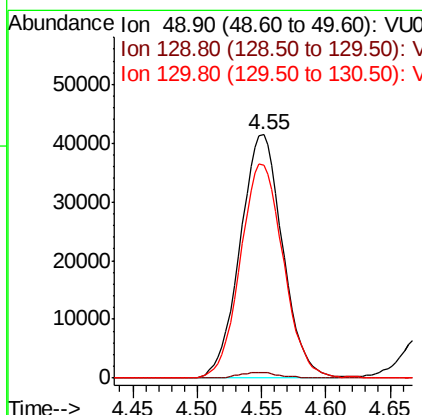
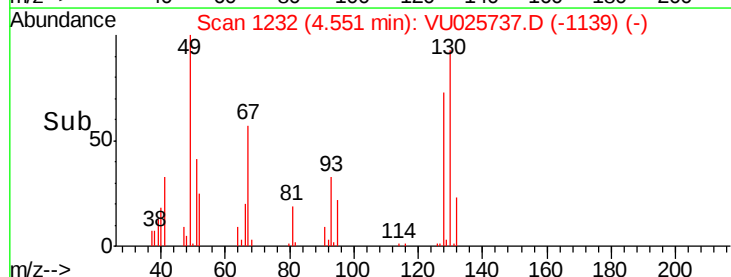
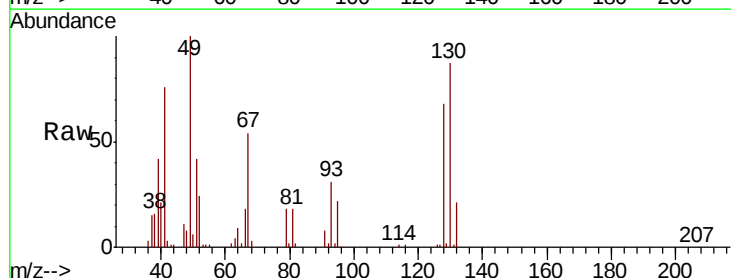
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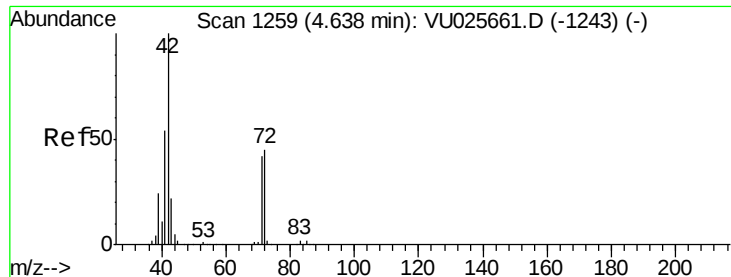
MMDadoda
 8/2/2018 9:40:42 AM



#28
 Bromochloromethane
 Concen: 49.662 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	88.7	68.6	102.8	





#29

Tetrahydrofuran

Concen: 216.164 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

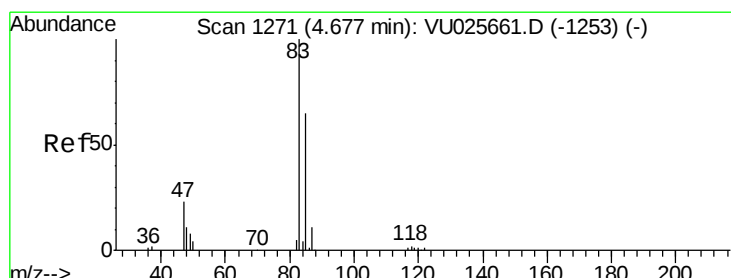
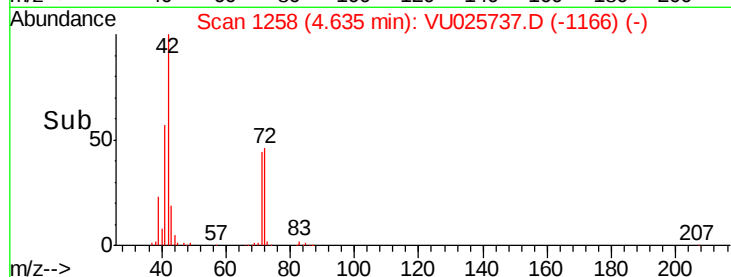
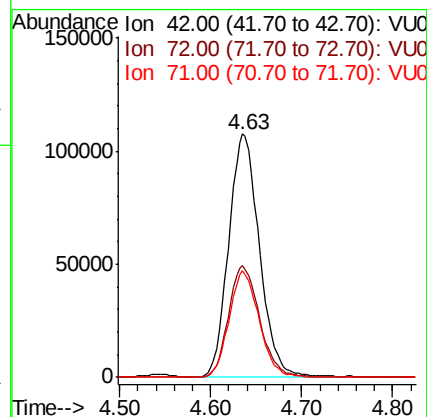
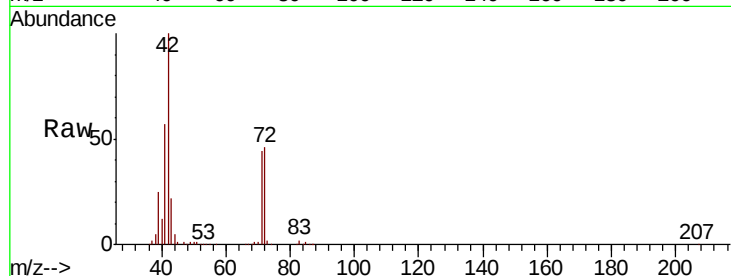
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	251703
Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.7	55.1
71	42.9	33.9	50.9

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#30

Chloroform

Concen: 46.289 ug/l

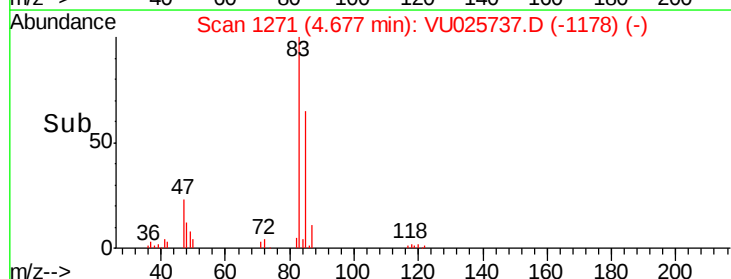
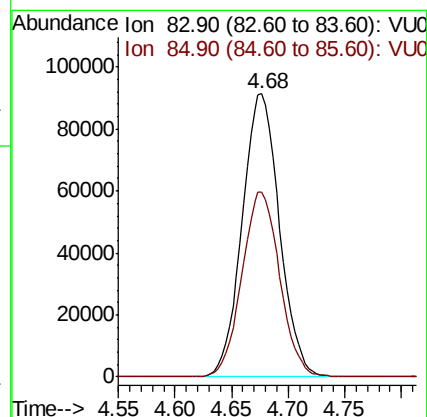
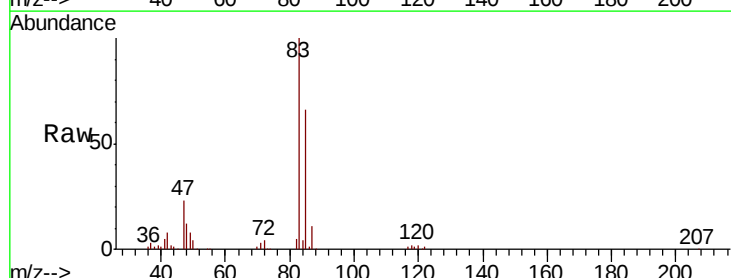
RT: 4.68 min Scan# 1271

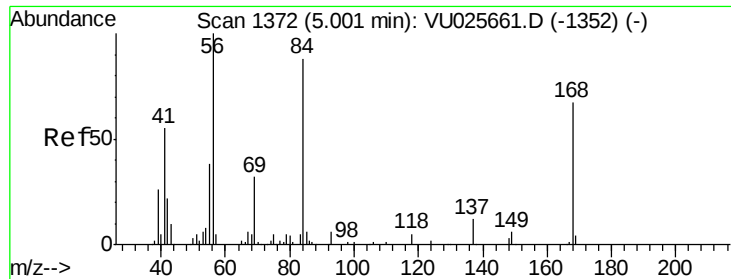
Delta R.T. 0.00 min

Lab File: VU025737.D

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Tgt Ion:	83	Resp:	209605
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3





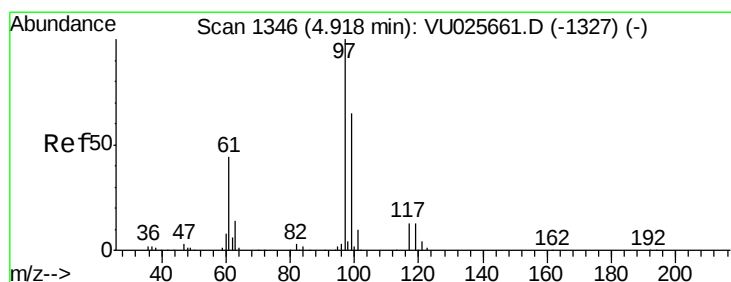
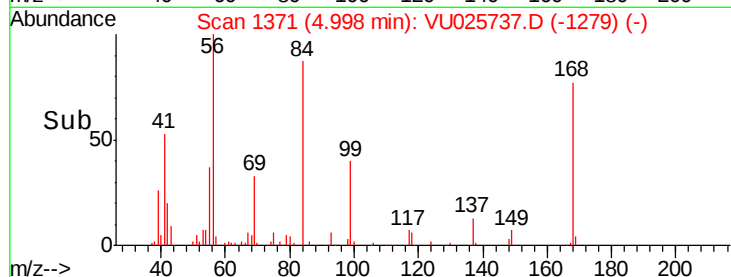
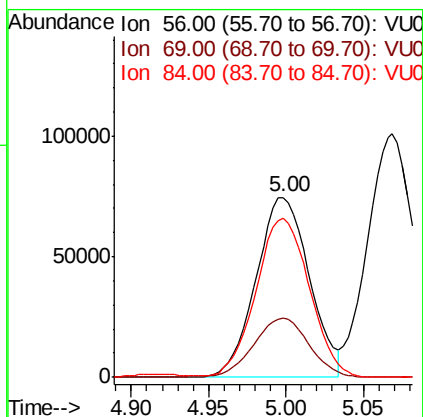
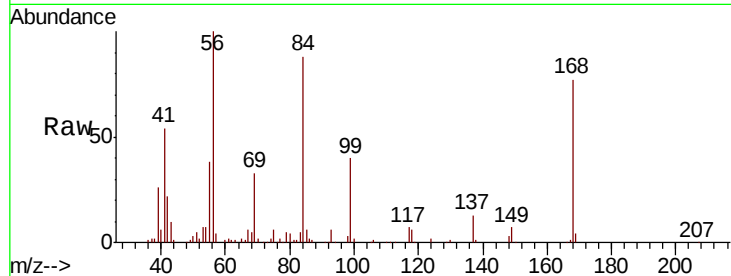
#31
Cyclohexane
Concen: 48.052 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.8	40.2
84	87.1	69.7	104.5

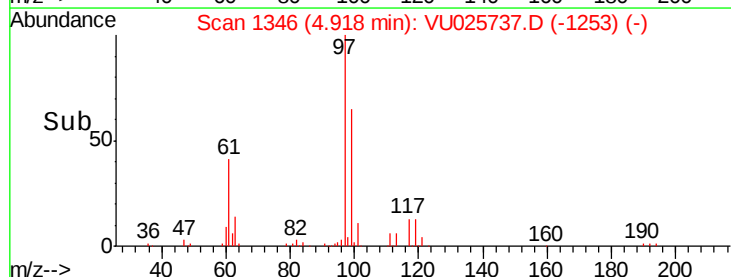
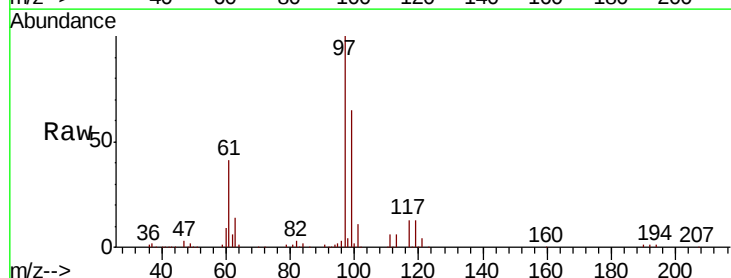
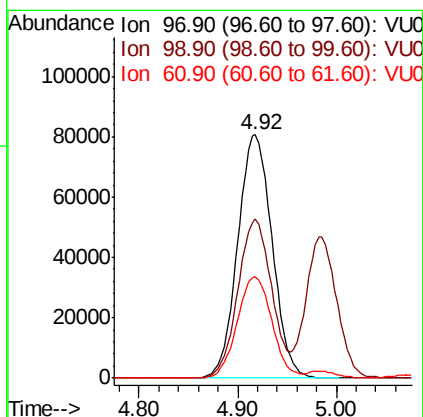
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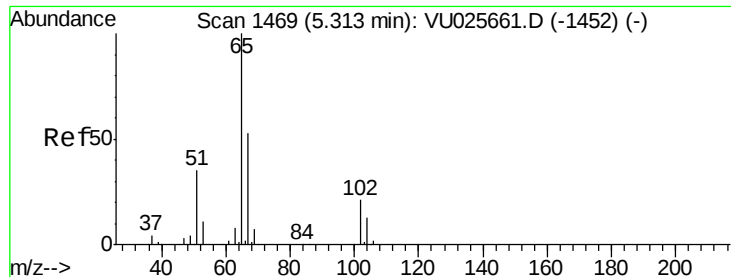
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.721 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	42.2	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 46.405 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 135895

Ion Ratio Lower Upper

65 100

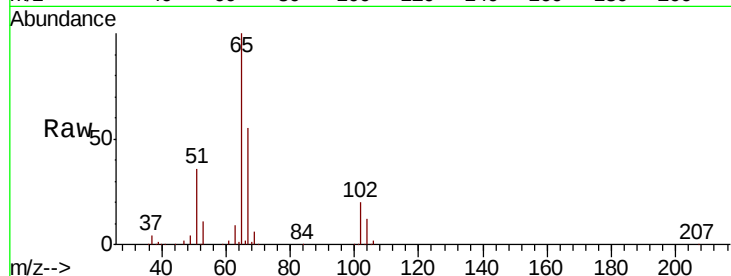
67 53.9 0.0 103.6

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Abundance Ion 64.90 (64.60 to 65.60): VU025737.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025737.D (-1376) (-)

5.31

60000

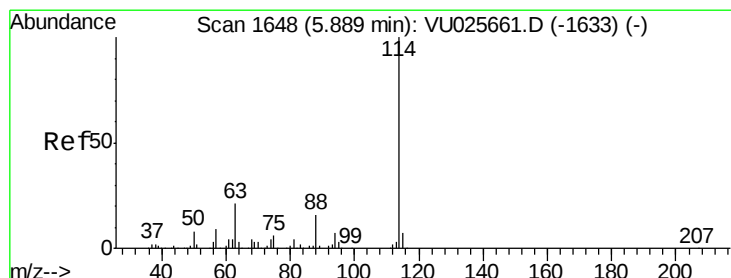
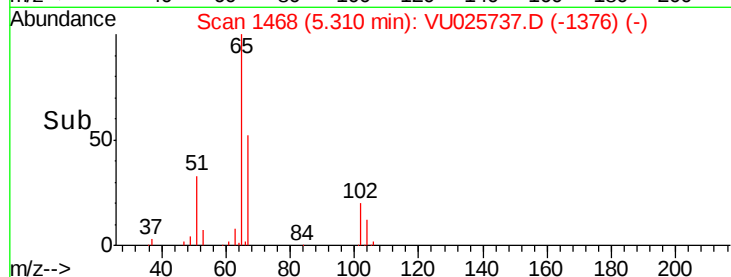
40000

20000

0

Time-->

5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

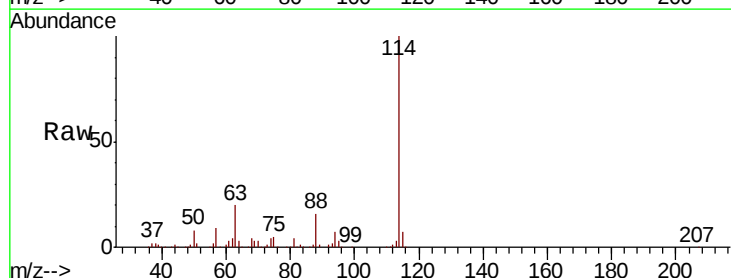
Tgt Ion: 114 Resp: 278346

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 15.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025737.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025737.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025737.D (-1555) (-)

5.89

150000

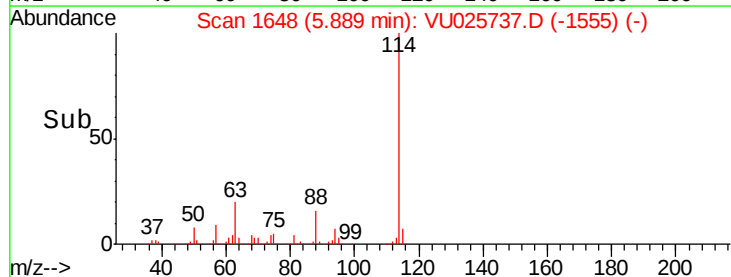
100000

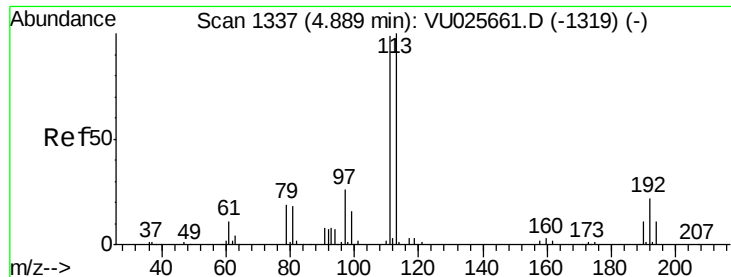
50000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 46.627 ug/l

RT: 4.88 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

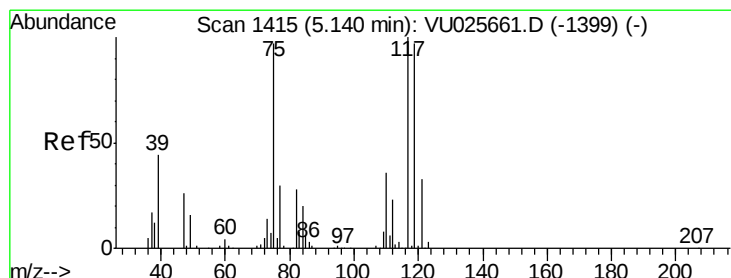
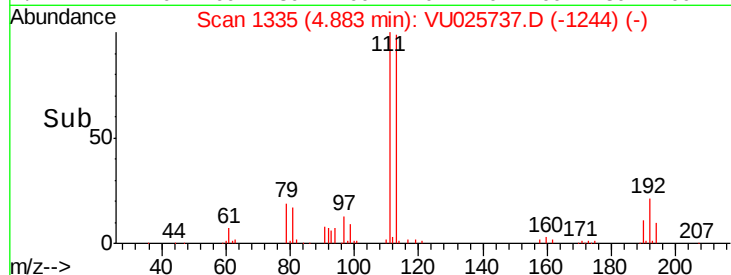
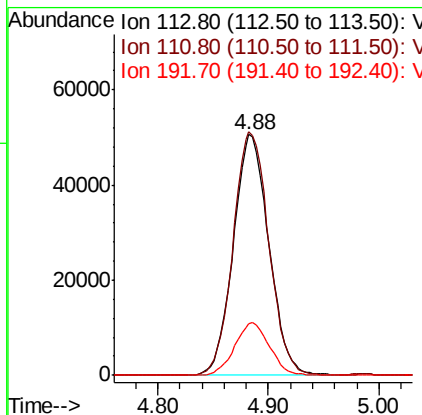
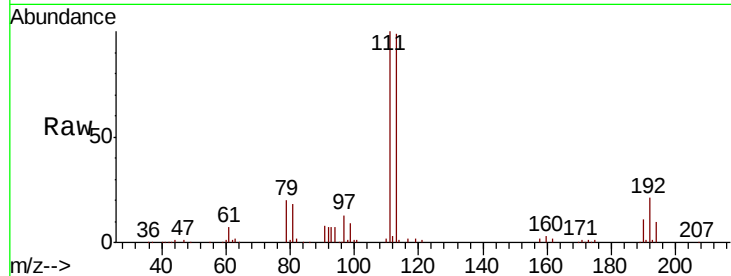
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	112879
Ion Ratio	Lower	Upper	
113	100		
111	101.6	81.7	122.5
192	21.4	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 49.070 ug/l

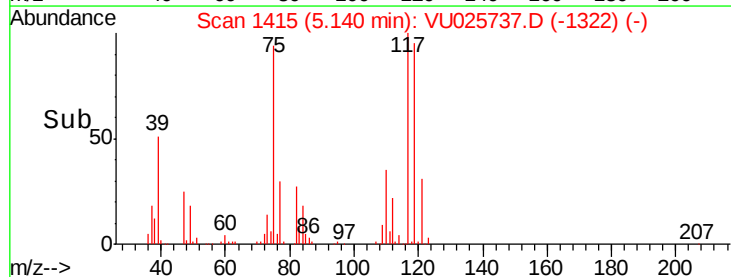
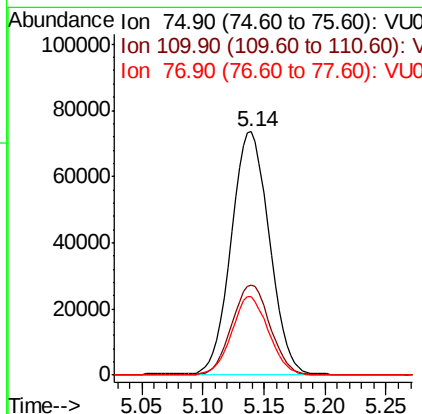
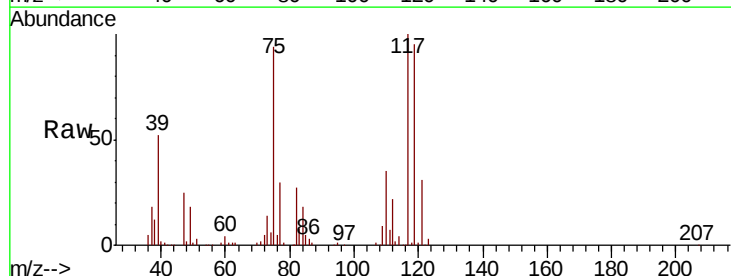
RT: 5.14 min Scan# 1415

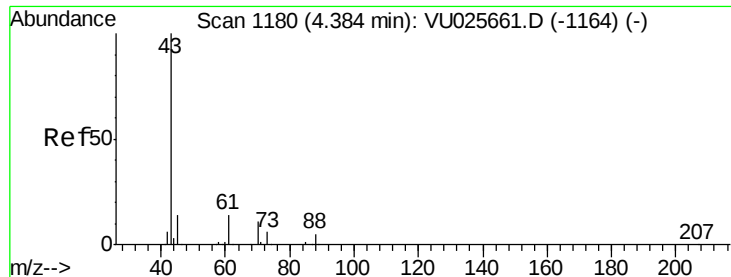
Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	75	Resp:	159621
Ion Ratio	Lower	Upper	
75	100		
110	37.2	17.6	52.9
77	31.4	24.4	36.6





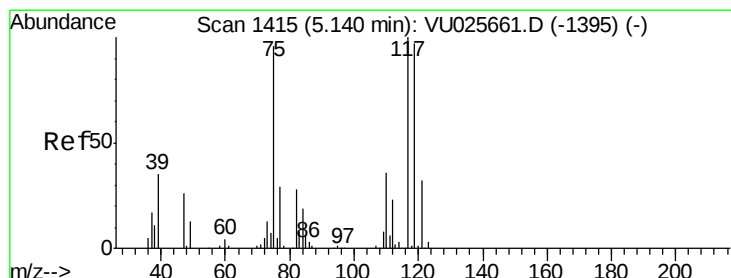
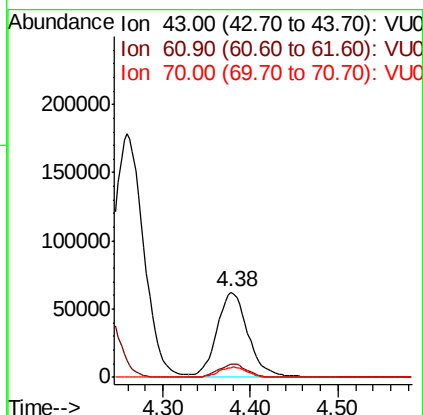
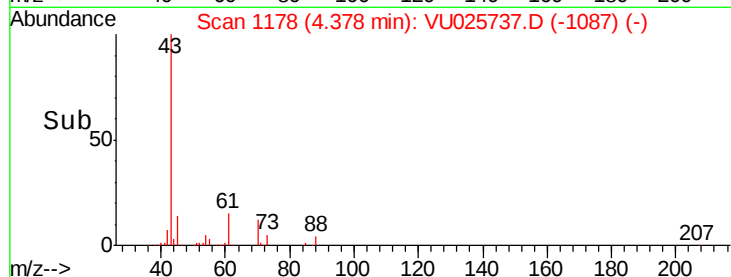
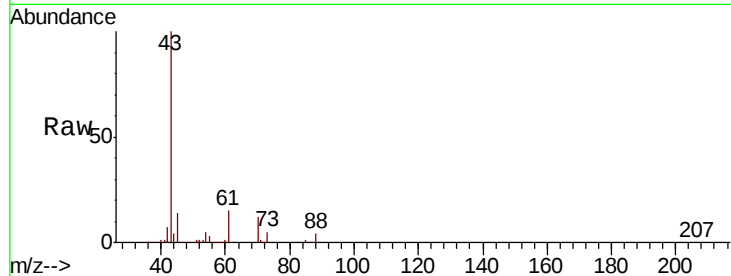
#37
Ethyl Acetate
Concen: 45.383 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.7	16.1
70	10.9	8.4	12.6

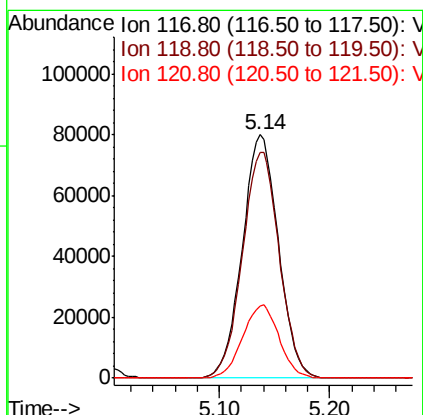
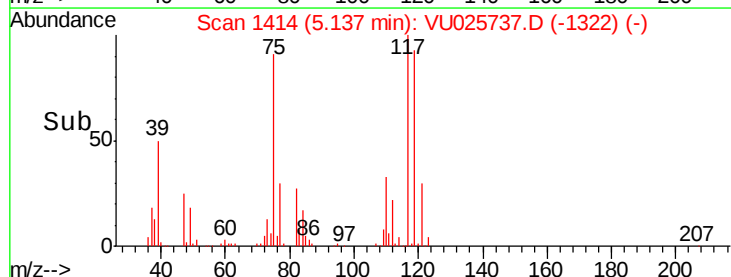
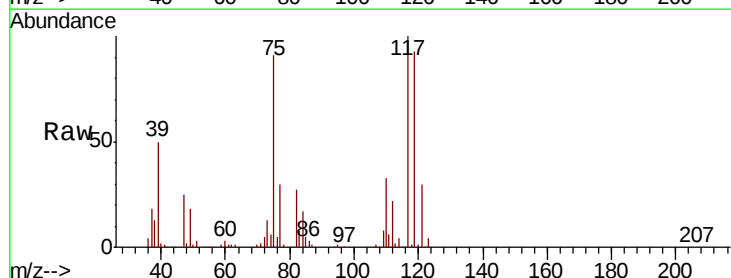
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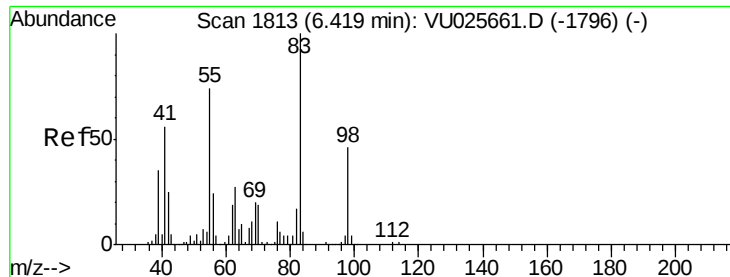
MMDadoda
8/2/2018 9:40:42 AM



#38
Carbon Tetrachloride
Concen: 49.317 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.7	113.5
121	29.8	24.6	36.8





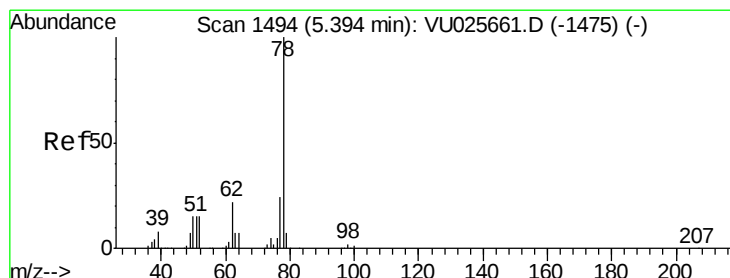
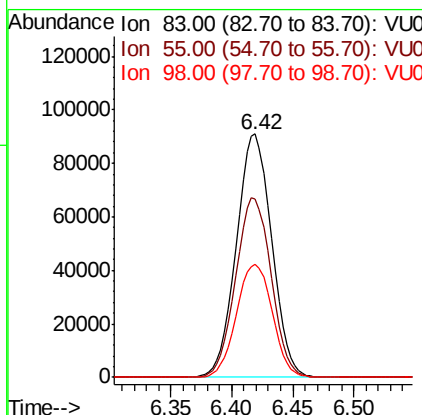
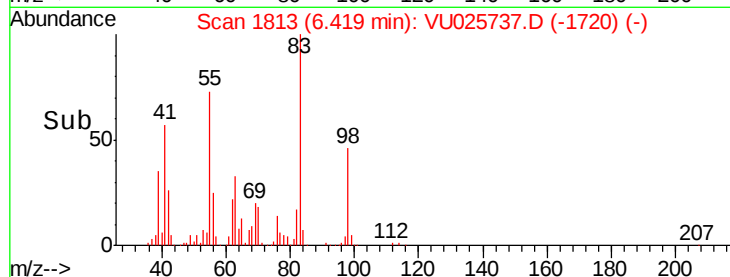
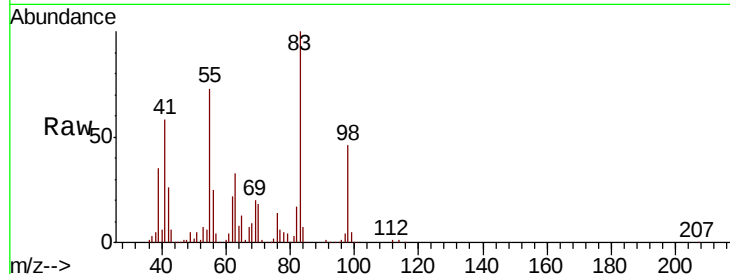
#39
Methvlcvclohexane
Concen: 49.048 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.0	90.0
98	46.2	36.1	54.1

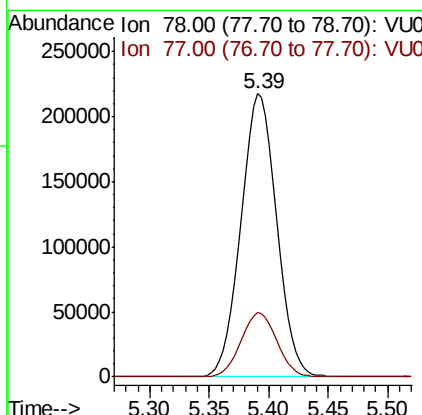
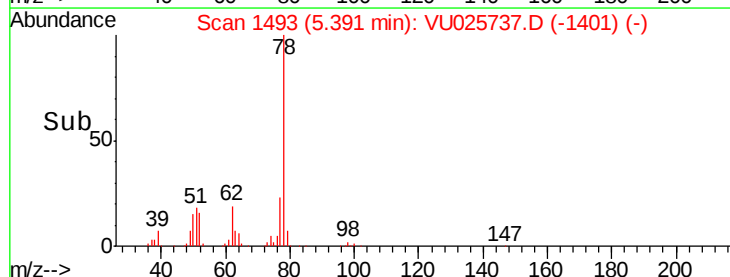
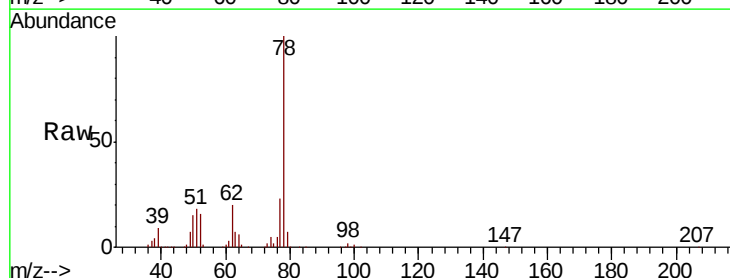
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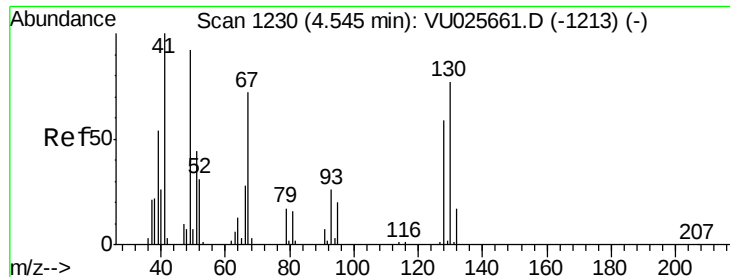
MMDadoda
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#40
Benzene
Concen: 47.674 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.8	29.6





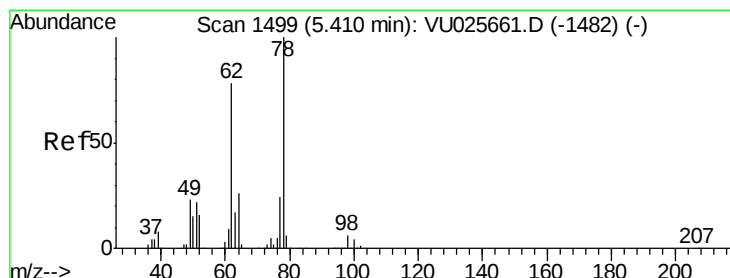
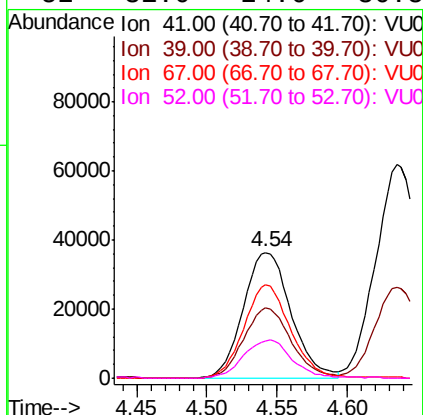
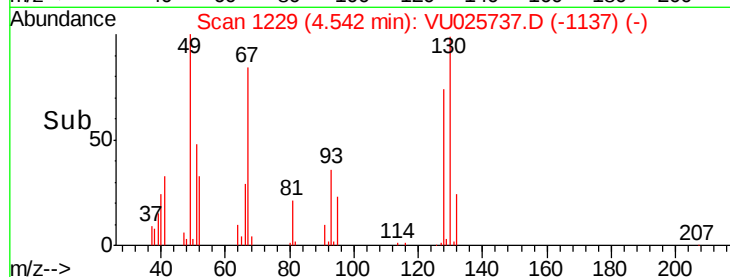
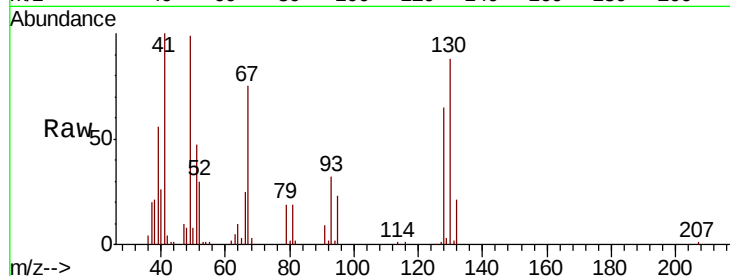
#41
Methacrylonitrile
Concen: 46.007 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.4	66.6
67	72.8	56.0	84.0
52	31.0	24.6	36.8

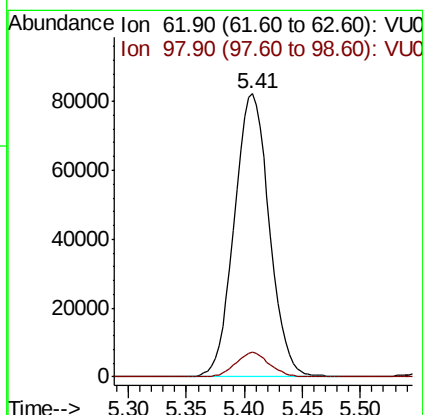
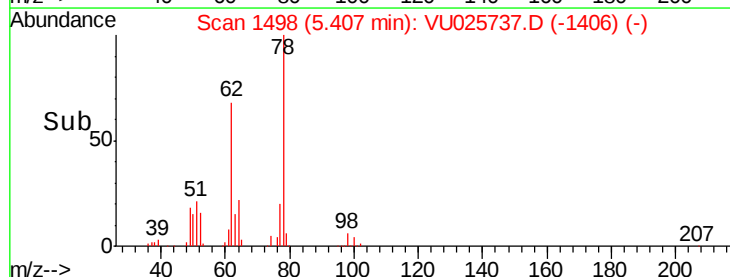
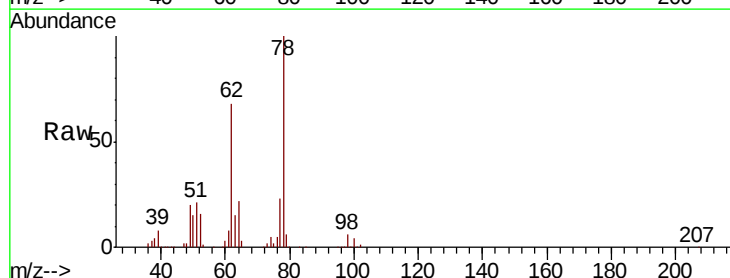
Manual Integrations
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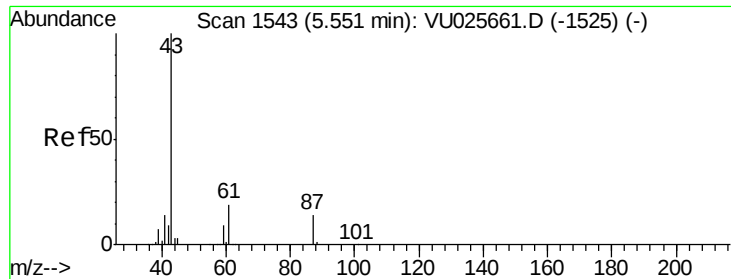
MMDadoda
8/2/2018 9:40:42 AM



#42
1,2-Dichloroethane
Concen: 47.134 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.4





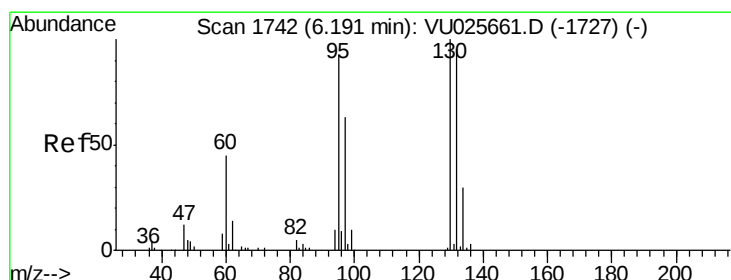
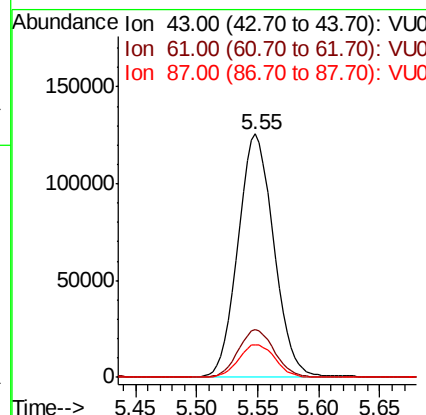
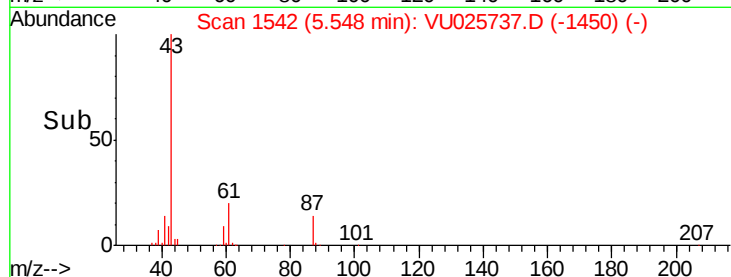
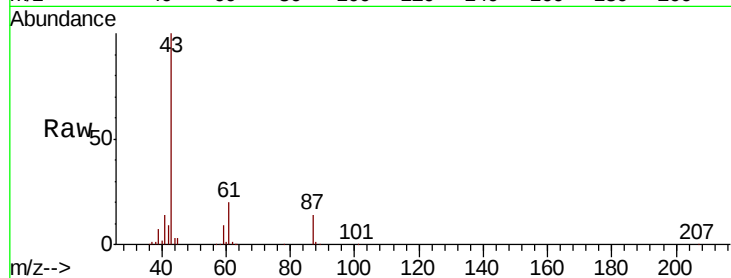
#43
Isopropyl Acetate
Concen: 45.771 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	13.6	10.6	16.0

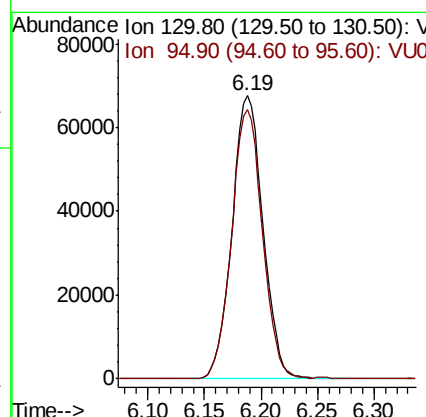
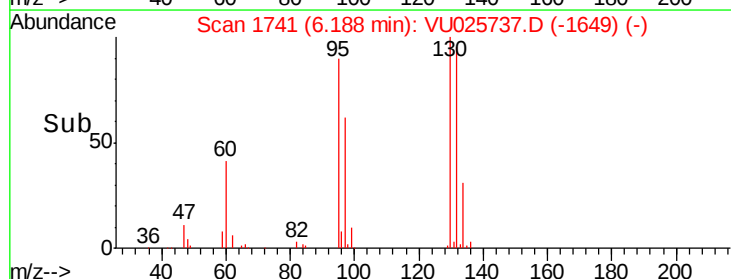
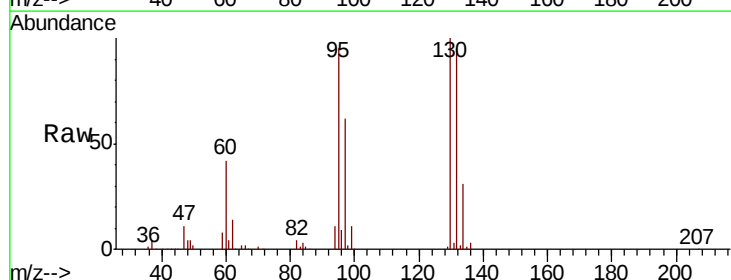
Manual Integrations
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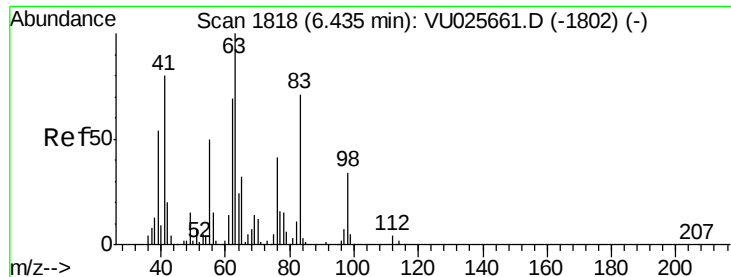
MMDadoda
8/2/2018 9:40:42 AM



#44
Trichloroethene
Concen: 48.567 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	192.2





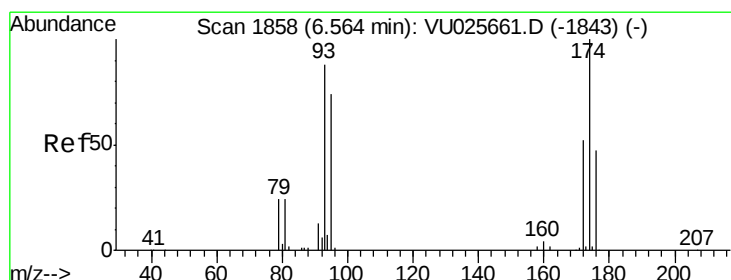
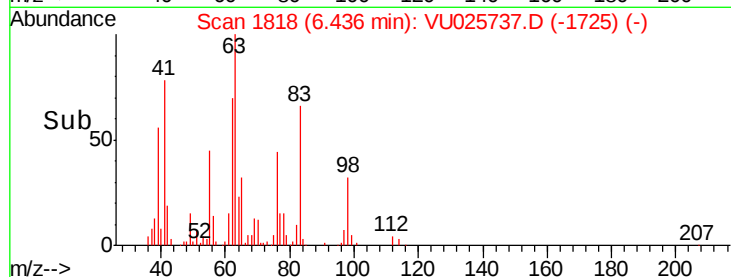
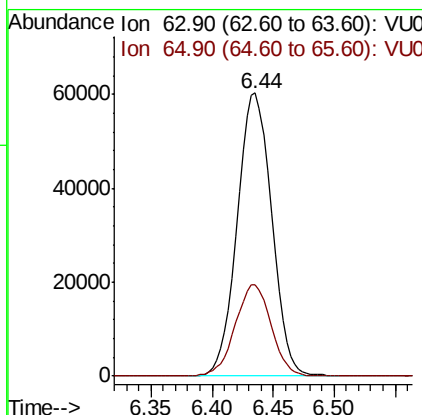
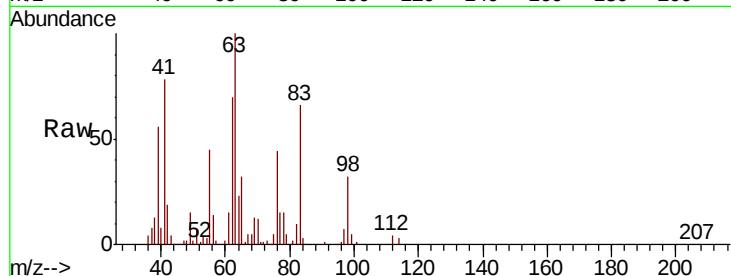
#45
 1,2-Dichloropropane
 Concen: 47.584 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 118000
 Ion Ratio Lower Upper
 63 100
 65 32.3 26.1 39.1

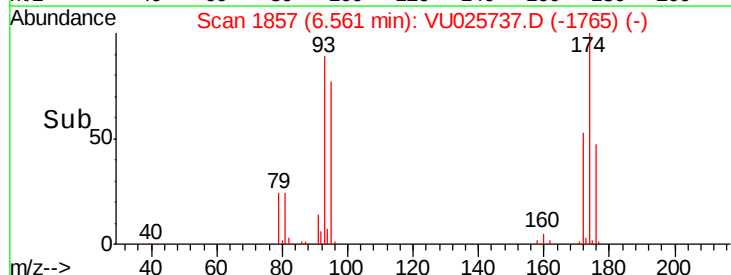
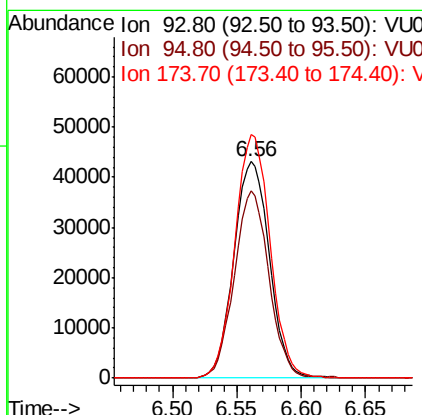
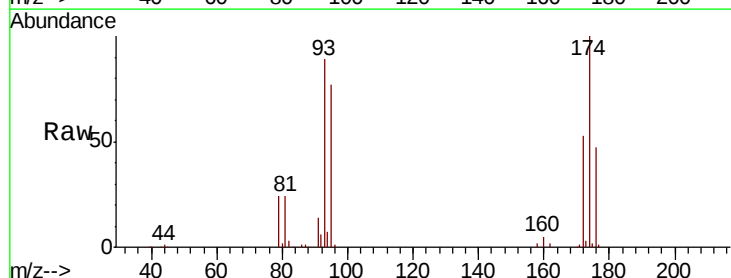
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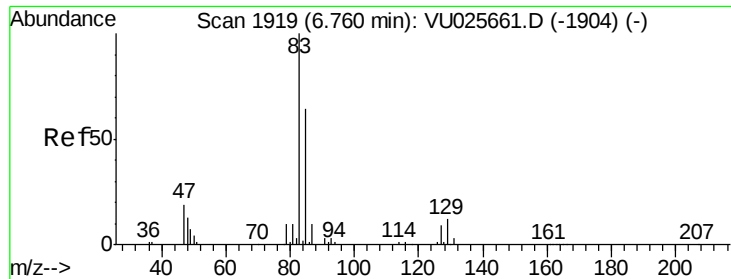
MMDadoda
 8/2/2018 9:40:42 AM



#46
 Dibromomethane
 Concen: 46.295 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion: 93 Resp: 83186
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 111.2 85.8 128.8





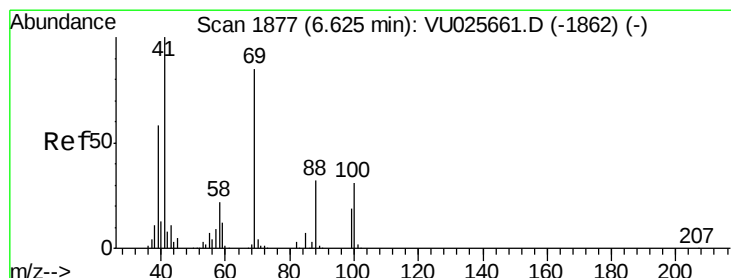
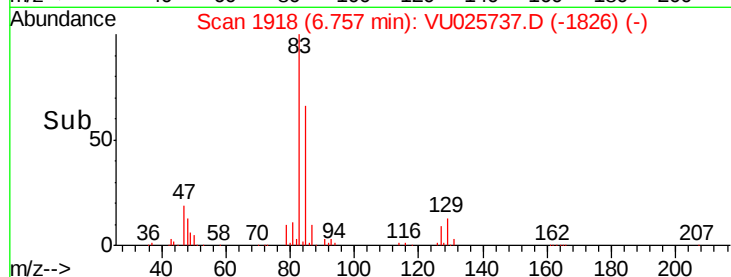
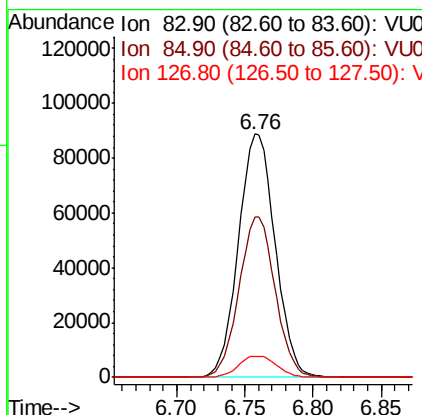
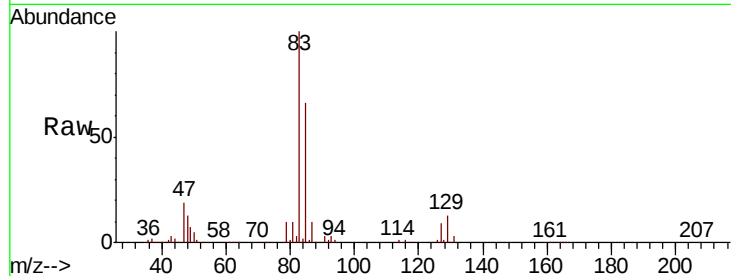
#47
Bromodichloromethane
Concen: 48.371 ug/l
RT: 6.76 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165791		
85	65.7	50.2	75.4	
127	8.8	7.2	10.8	

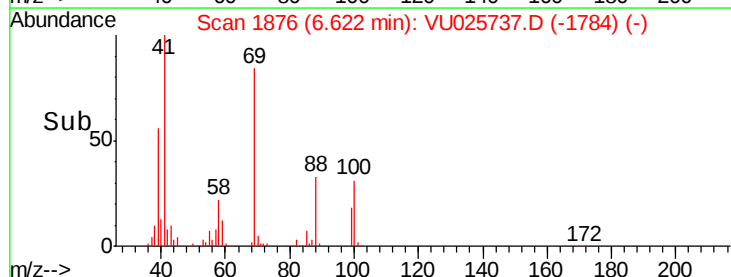
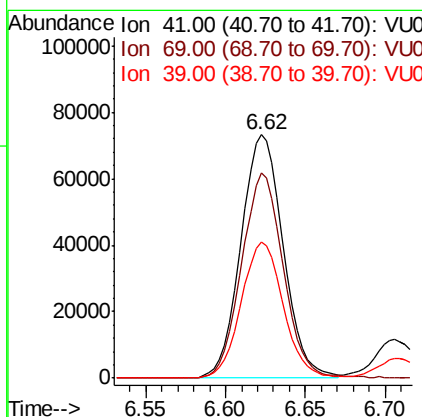
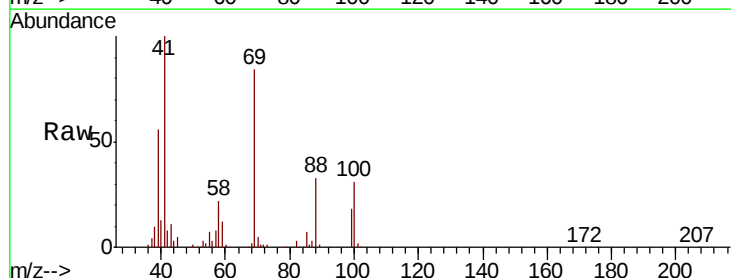
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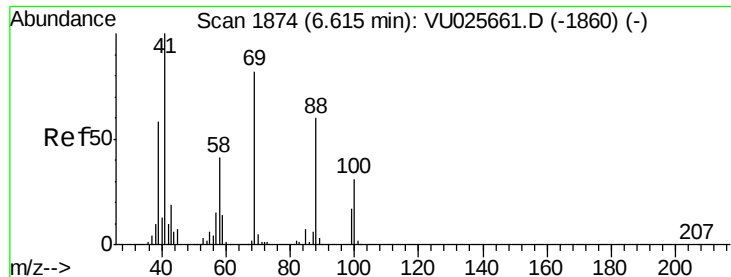
MMDadoda
8/2/2018 9:40:42 AM



#48
Methyl methacrylate
Concen: 48.517 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	132537		
69	83.3	65.0	97.4	
39	55.7	46.4	69.6	





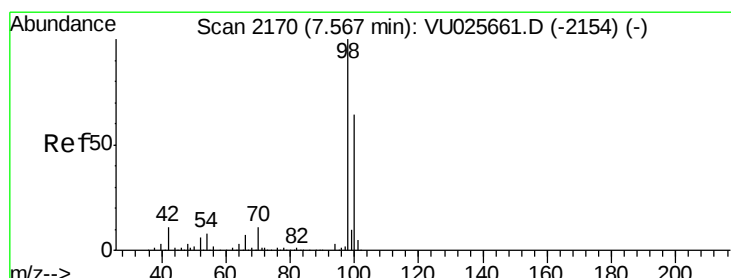
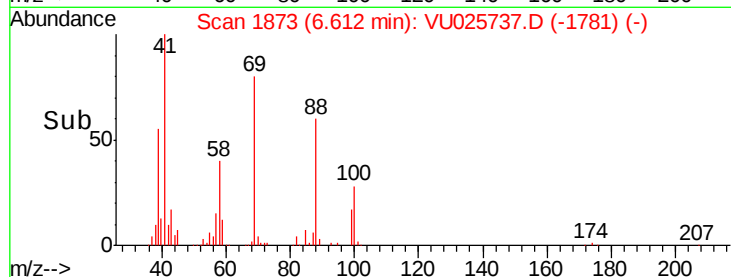
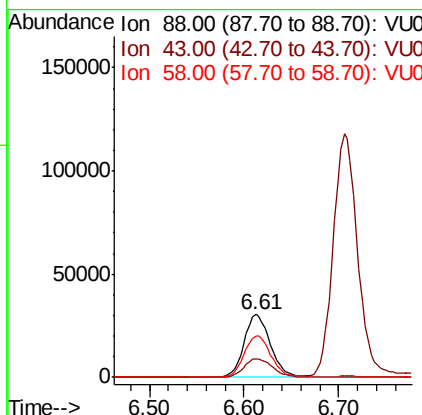
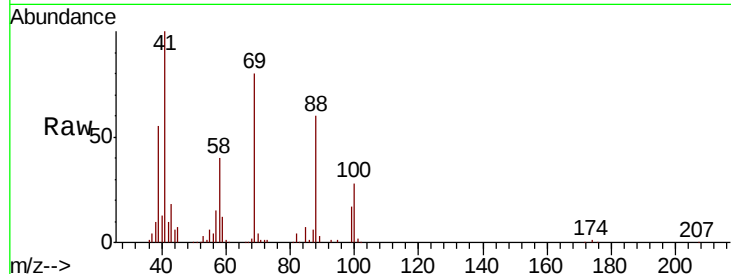
#49
1,4-Dioxane
Concen: 897.546 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.3	40.9
58	67.0	57.6	86.4

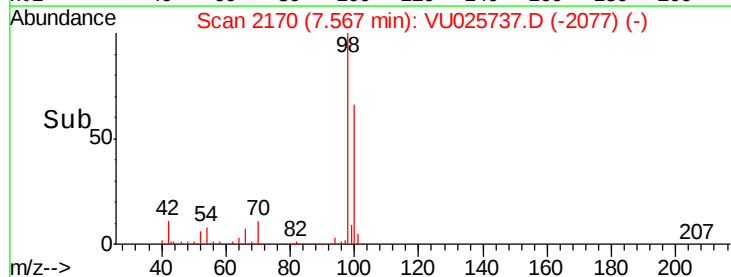
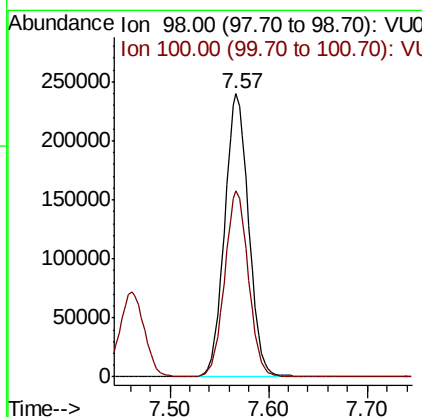
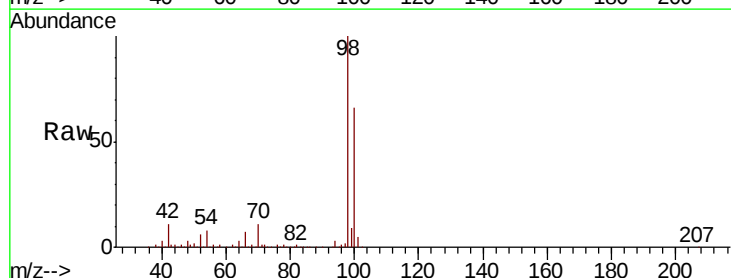
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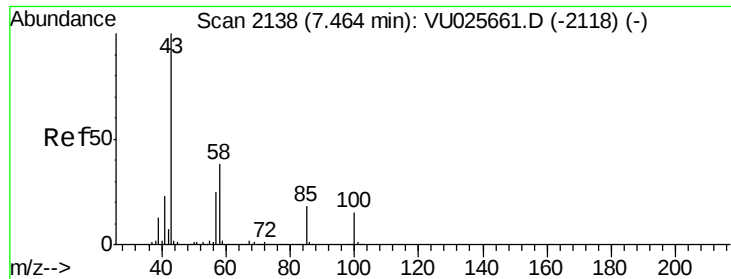
MMDadoda
8/2/2018 9:40:42 AM



#50
Toluene-d8
Concen: 48.414 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 227.807 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 794937

Ion Ratio Lower Upper

43 100

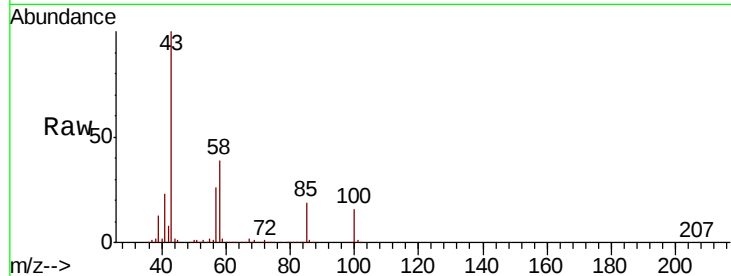
58 39.1 31.0 46.4

Manual Integrations

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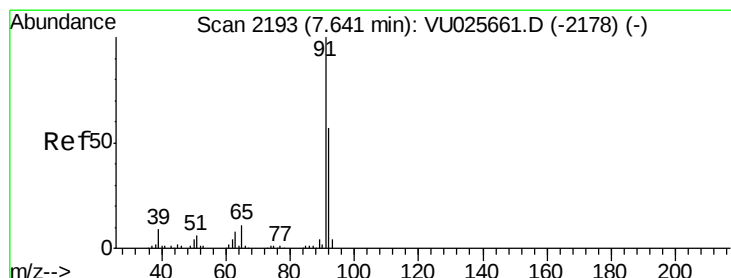
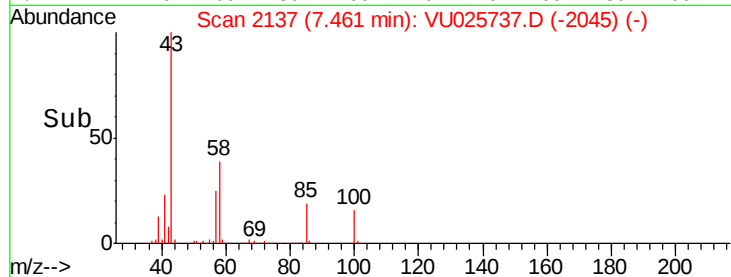
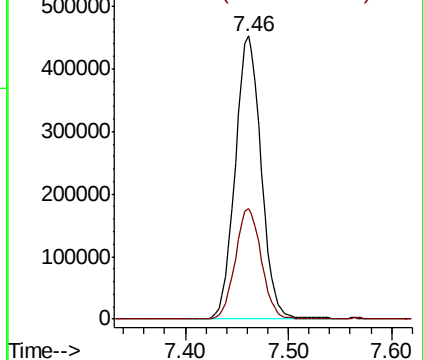
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.337 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025737.D

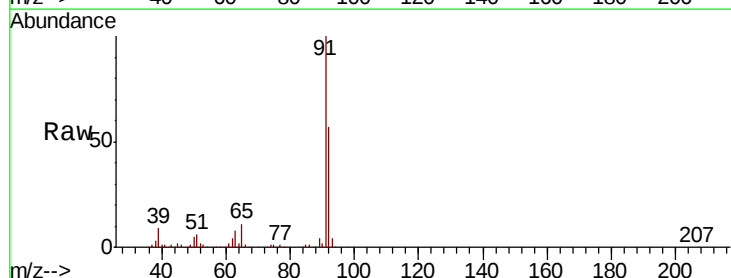
Acq: 31 Jul 2018 14:09

Tgt Ion: 92 Resp: 291442

Ion Ratio Lower Upper

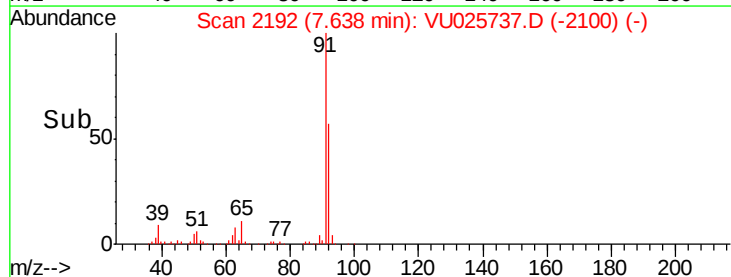
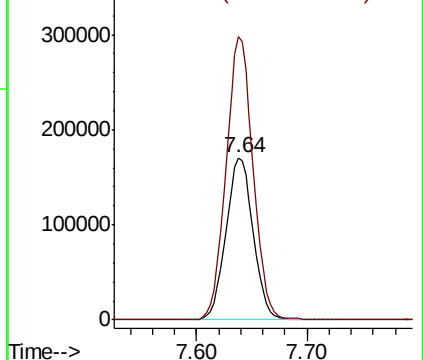
92 100

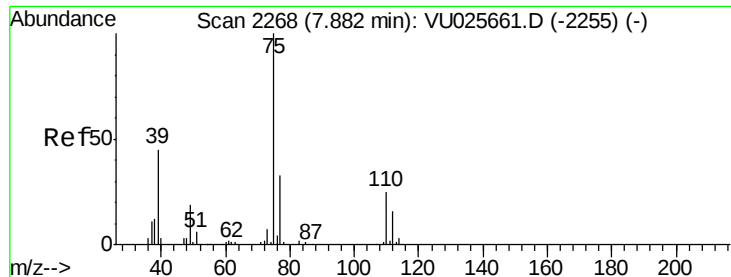
91 173.3 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 50.501 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 194352

Ion Ratio Lower Upper

75 100

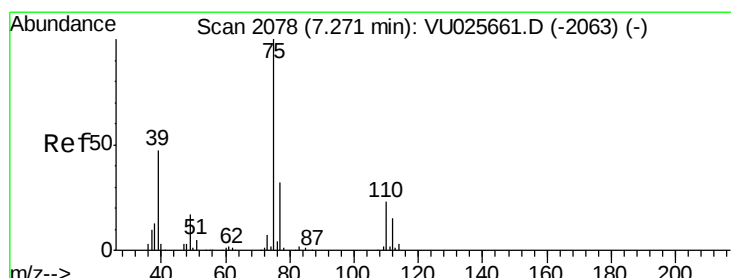
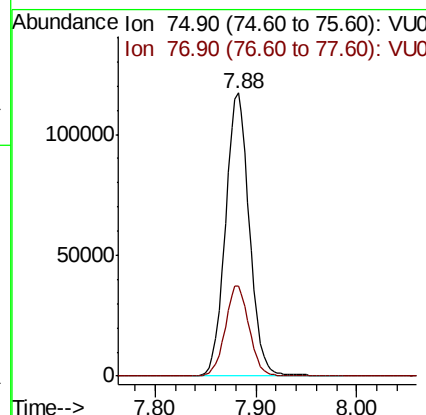
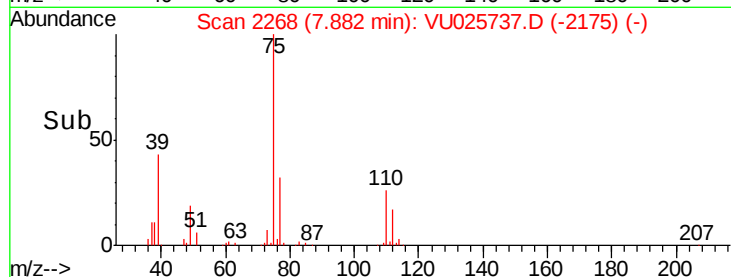
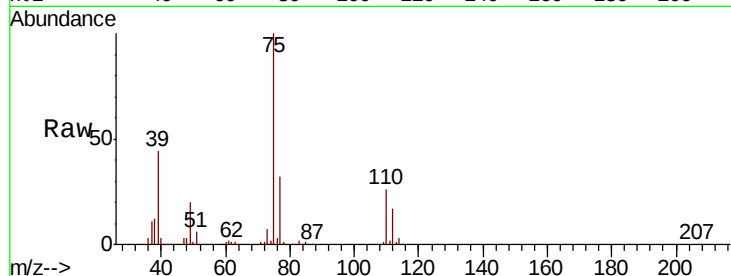
77 31.9 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 50.665 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

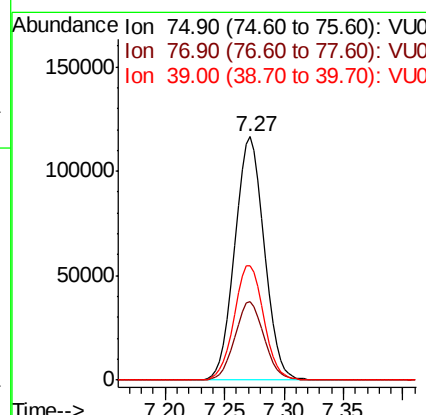
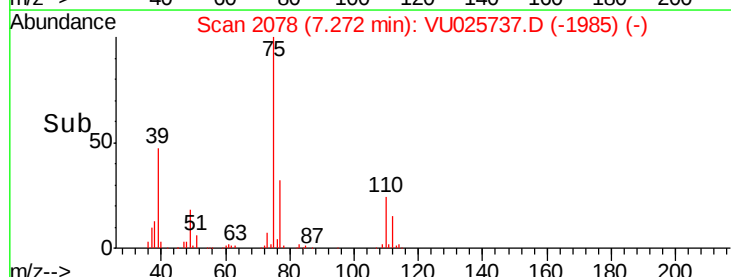
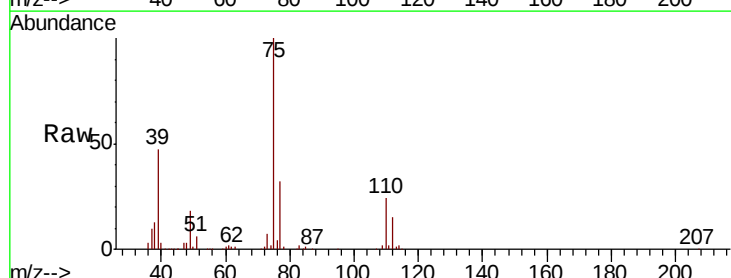
Tgt Ion: 75 Resp: 200290

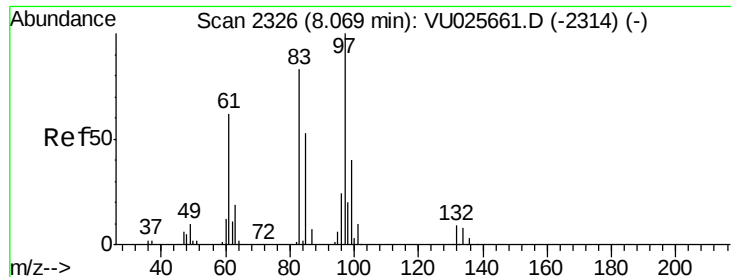
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 47.1 40.0 60.0





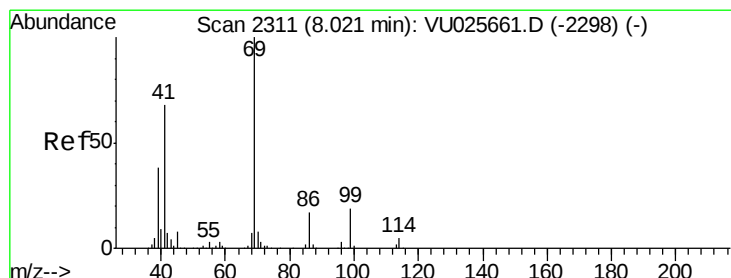
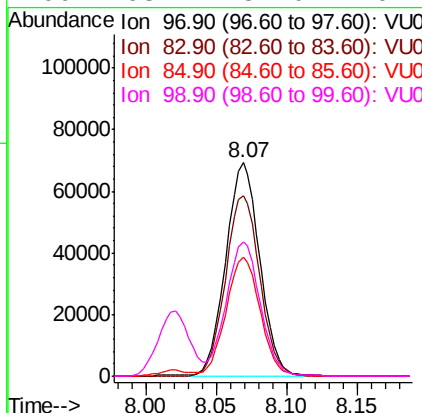
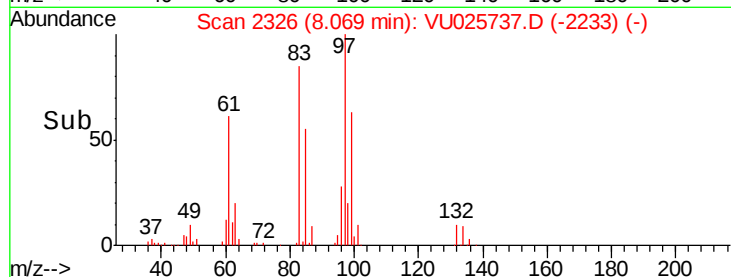
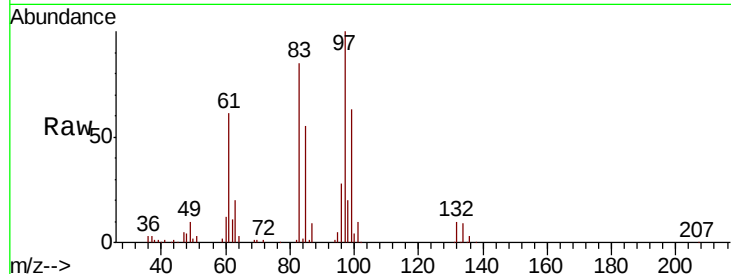
#55
 1,1,2-Trichloroethane
 Concen: 47.722 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	84.5	68.9	103.3		
85	55.5	44.4	66.6		
99	63.2	51.0	76.4		

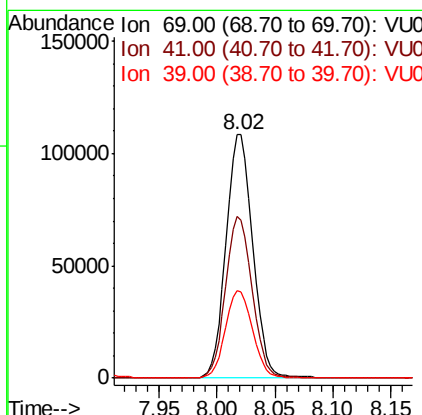
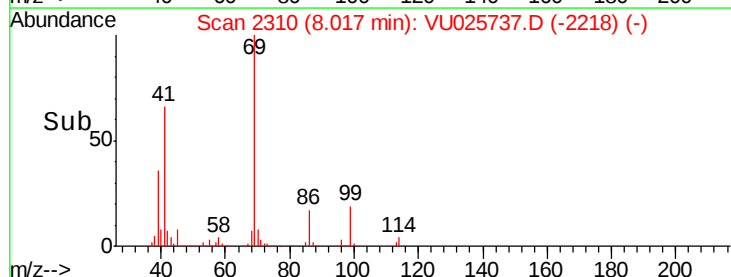
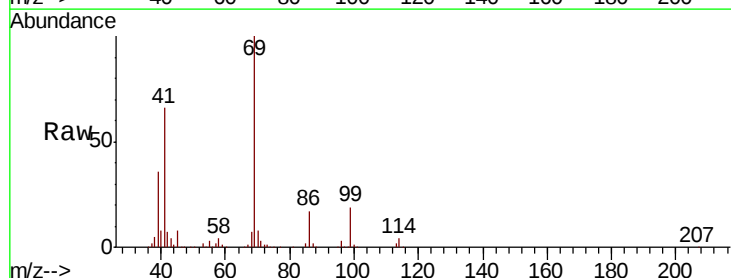
Manual Integrations
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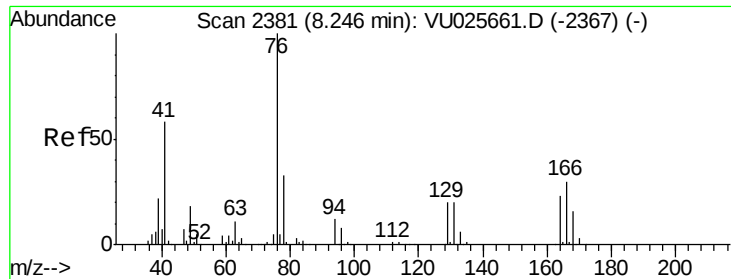
MMDadoda
 8/2/2018 9:40:42 AM



#56
 Ethyl methacrylate
 Concen: 49.307 ug/l
 RT: 8.02 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.3	54.8	82.2		
39	36.0	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 47.904 ug/l

RT: 8.24 min Scan# 2380

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tot Ion: 76 Resp: 197769

Ion Ratio Lower Upper

76 100

78 33.0 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

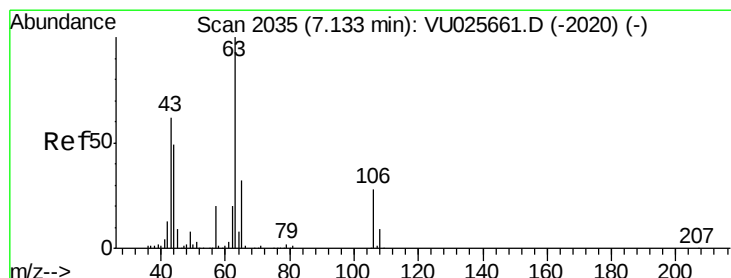
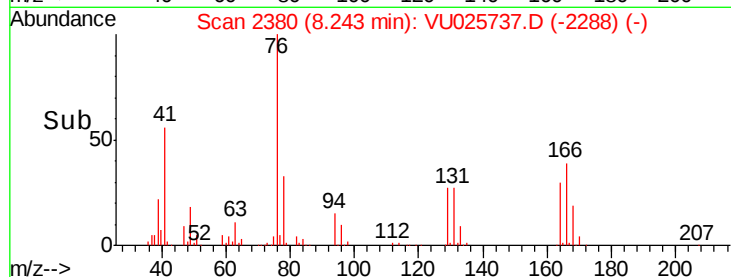
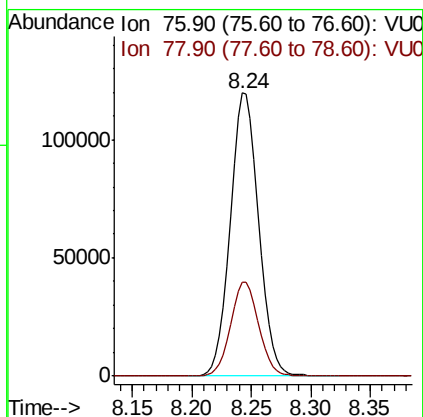
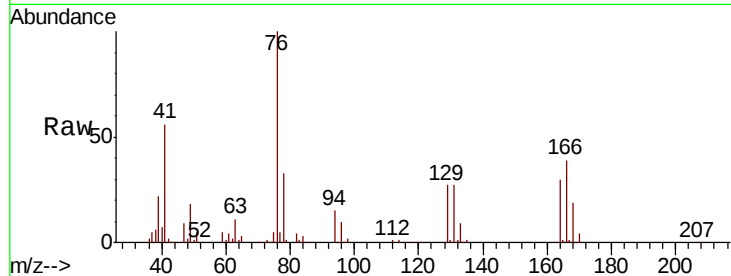
VSTDCCC050

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8/2/2018 9:40:42 AM



#58

2-Chloroethyl Vinyl ether

Concen: 226.227 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025737.D

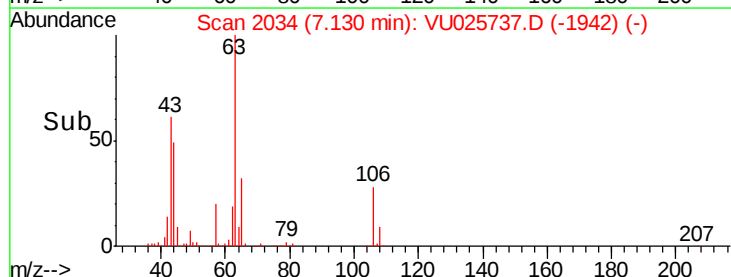
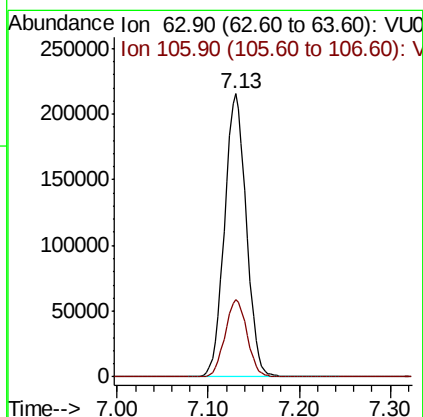
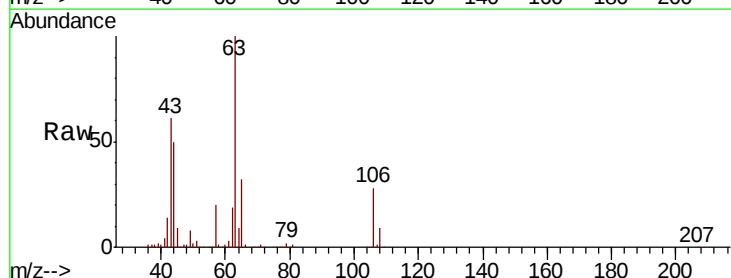
Acq: 31 Jul 2018 14:09

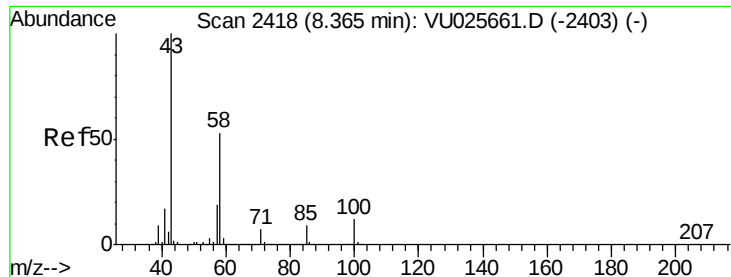
Tgt Ion: 63 Resp: 358224

Ion Ratio Lower Upper

63 100

106 27.7 22.3 33.5





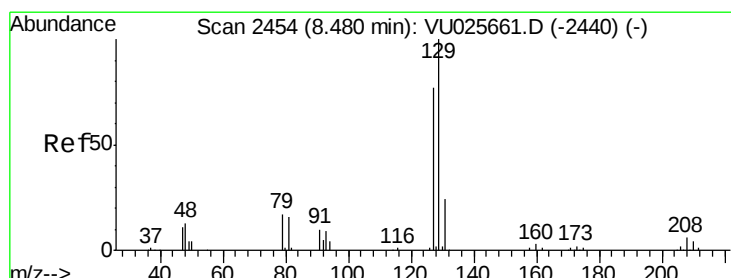
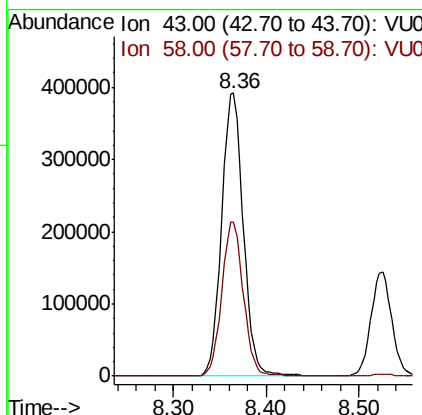
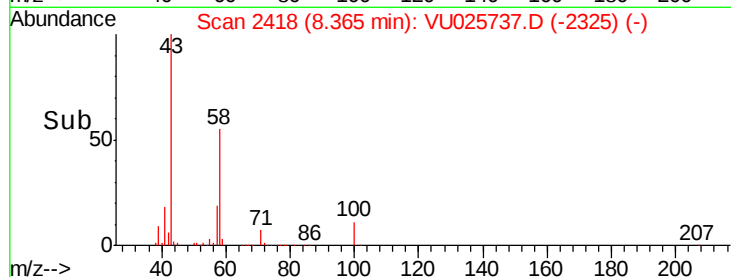
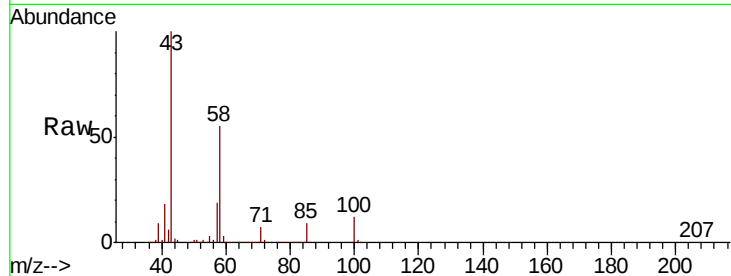
#59
2-Hexanone
Concen: 232.482 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.2	78.5

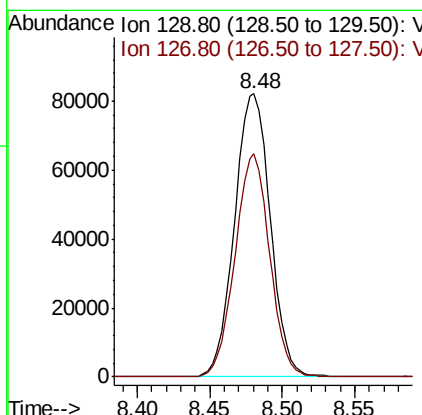
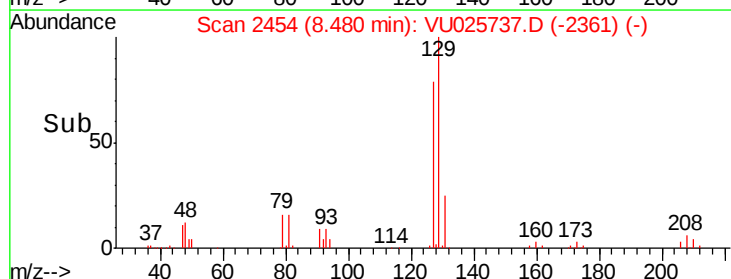
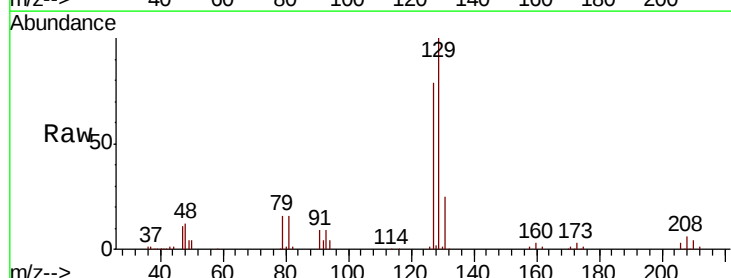
Manual Integrations
APPROVED

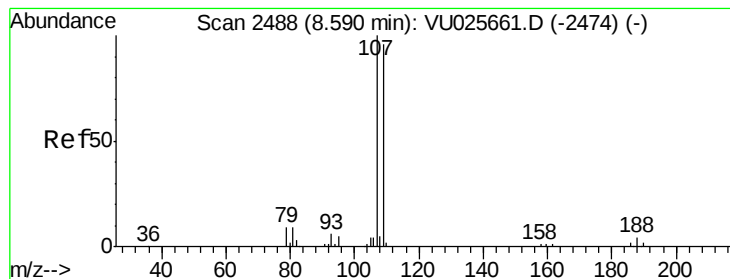
MMDadoda
8/2/2018 9:40:42 AM



#60
Dibromochloromethane
Concen: 48.687 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 48.370 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 132058

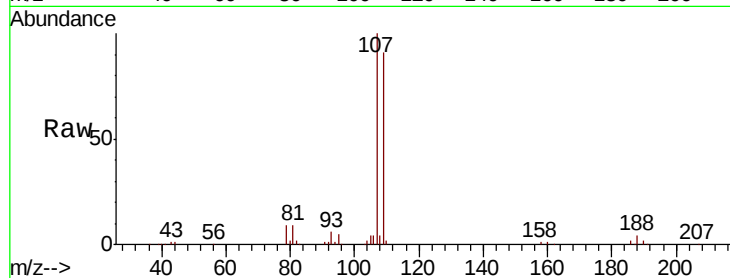
Ion Ratio Lower Upper

107 100

109 93.2 75.8 113.8

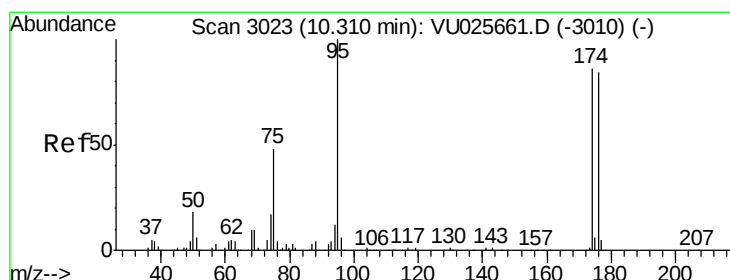
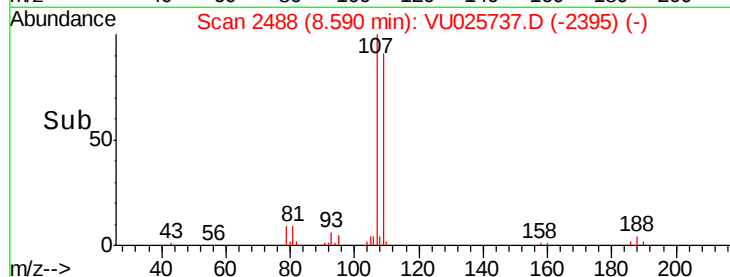
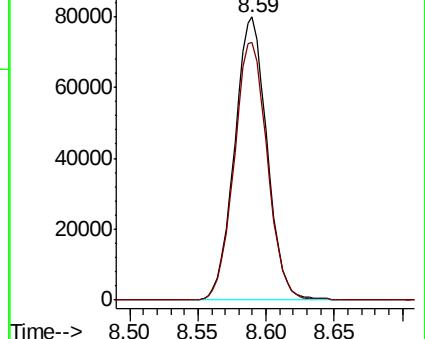
Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:40:42 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.546 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

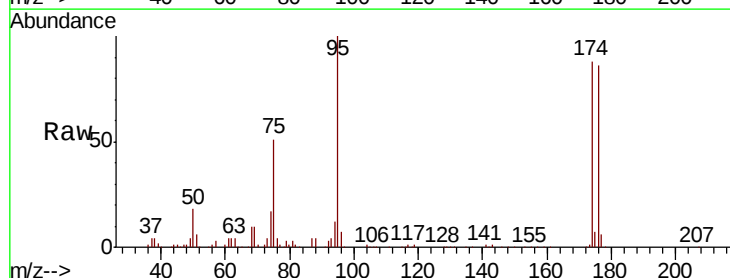
Tgt Ion: 95 Resp: 159630

Ion Ratio Lower Upper

95 100

174 88.4 0.0 172.2

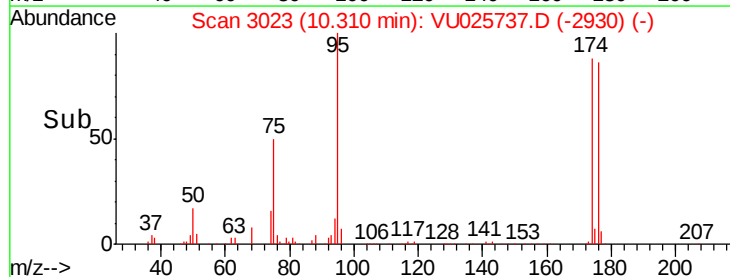
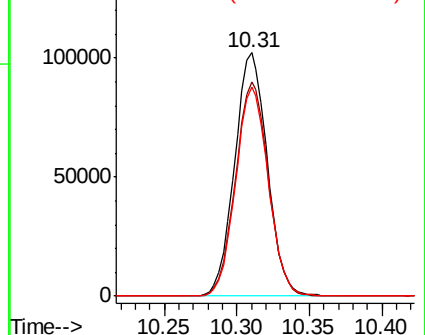
176 85.7 0.0 162.6

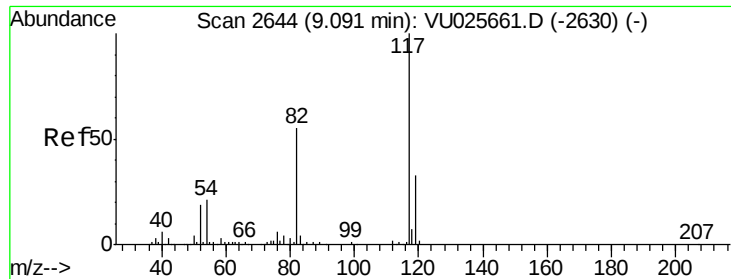


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





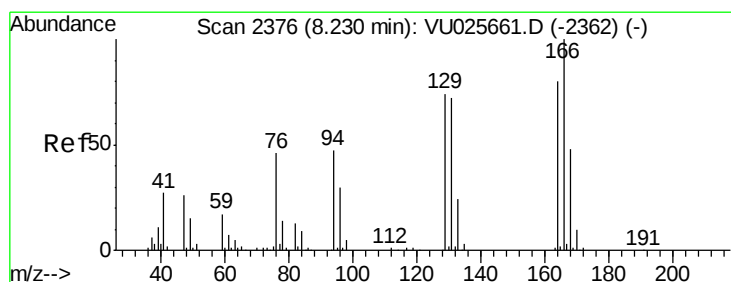
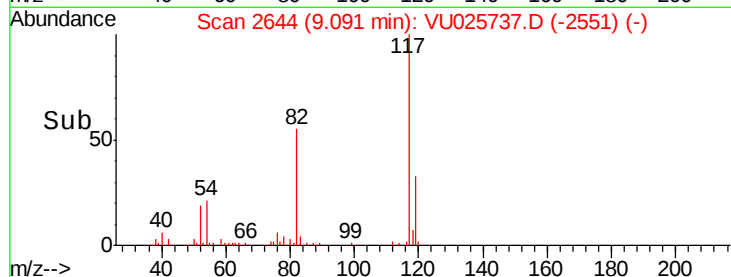
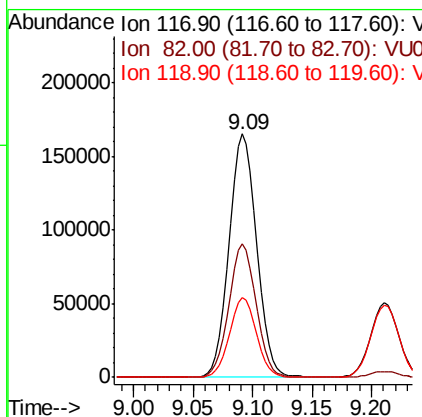
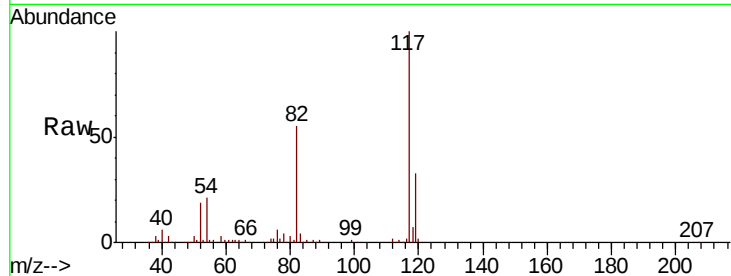
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266008		
82	55.0		46.0	69.0
119	32.8		26.0	39.0

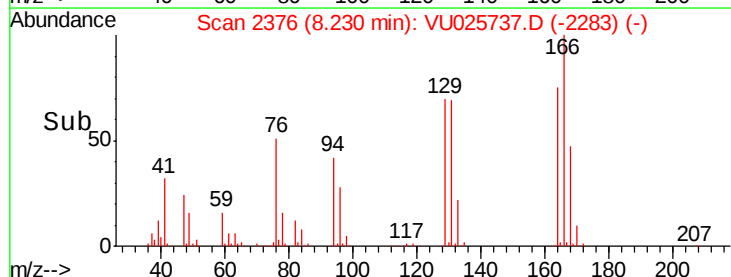
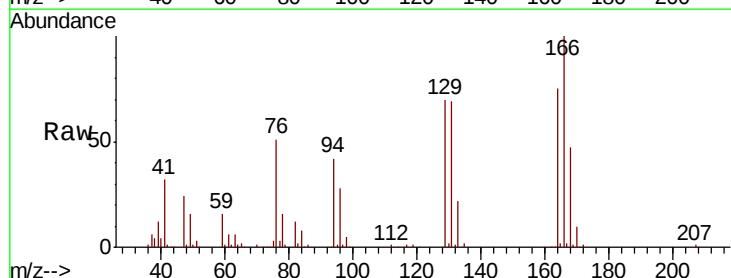
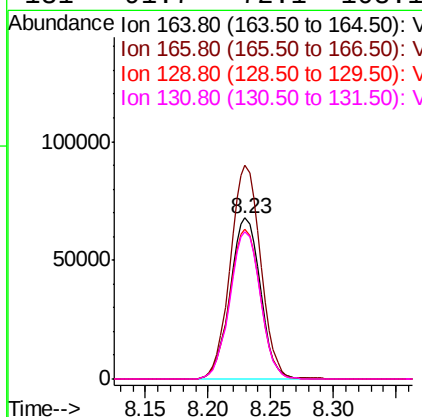
Manual Integrations
APPROVED

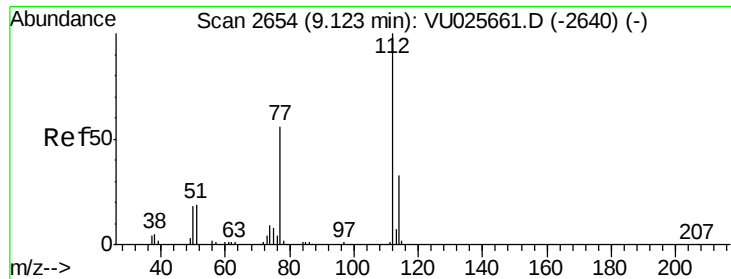
MMDadoda
8/2/2018 9:40:42 AM



#64
Tetrachloroethene
Concen: 48.675 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113968		
166	132.9		101.1	151.7
129	92.9		73.0	109.6
131	91.7		72.1	108.1





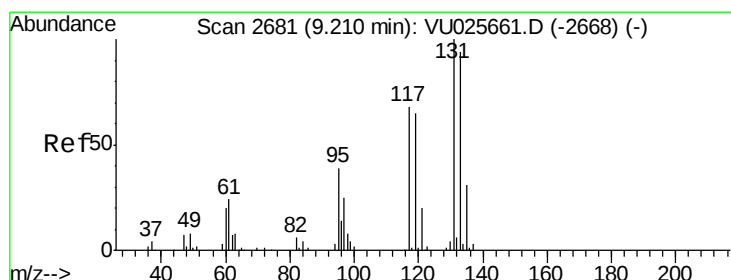
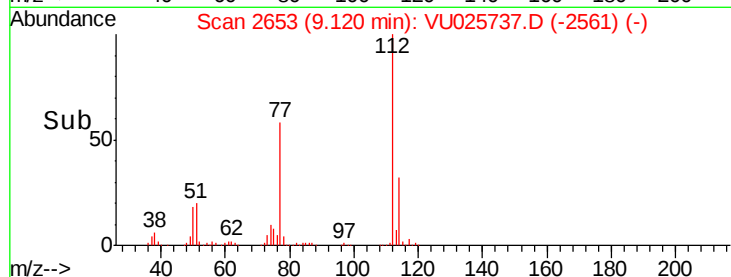
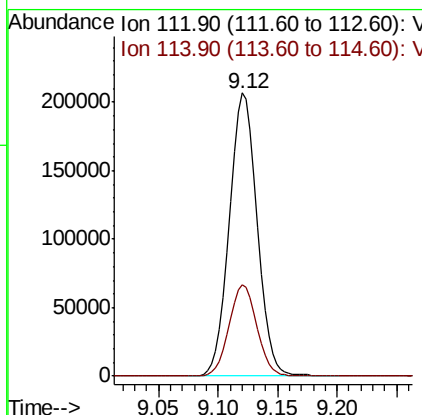
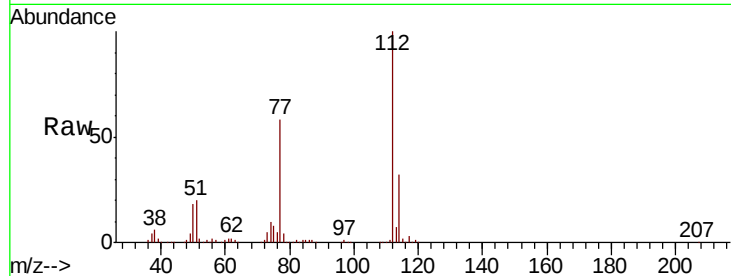
#65
Chlorobenzene
Concen: 48.921 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.8

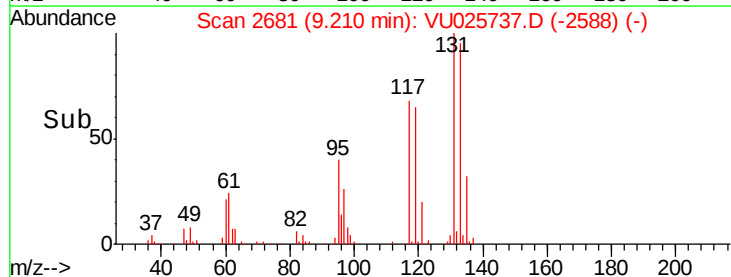
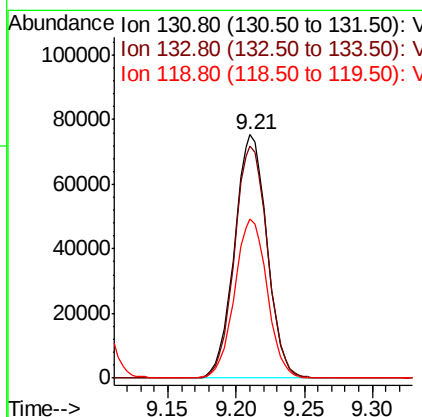
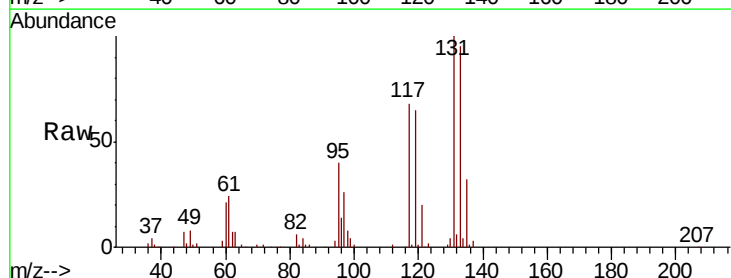
Manual Integrations
APPROVED

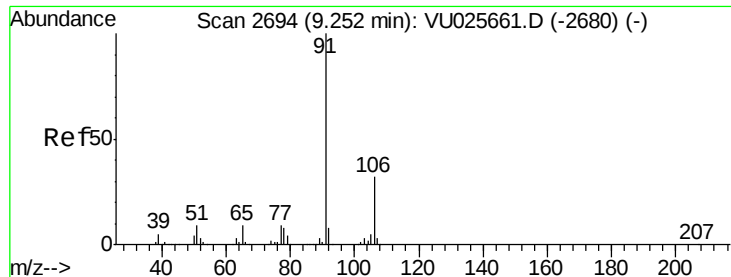
MMDadoda
8/2/2018 9:40:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.333 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.8	143.3
119	65.5	31.6	95.0





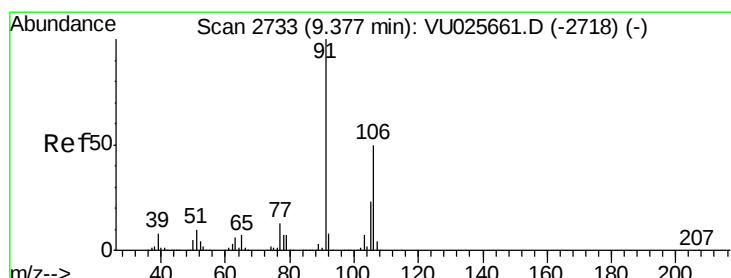
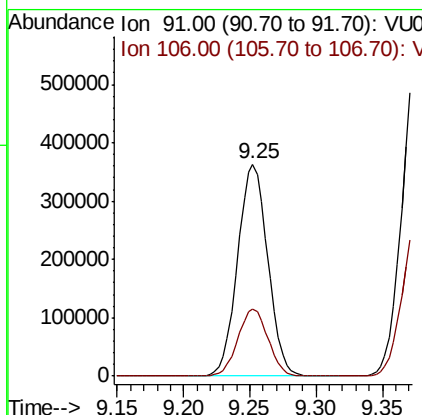
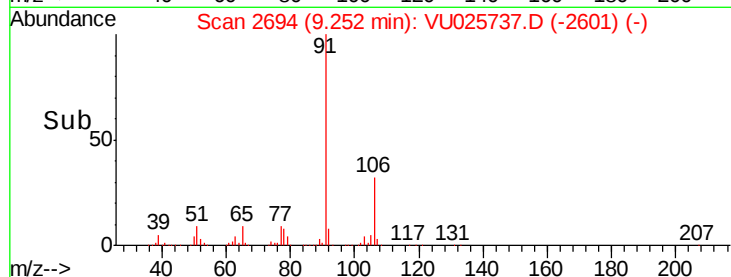
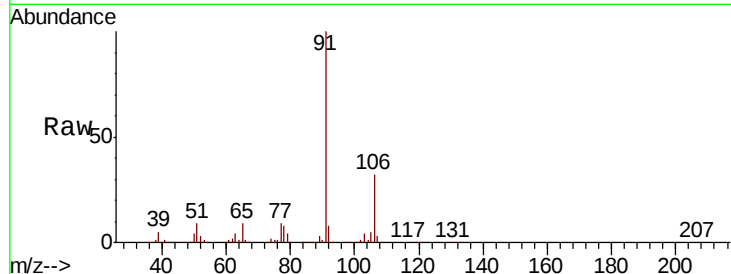
#67
Ethyl Benzene
Concen: 50.490 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 573582
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9

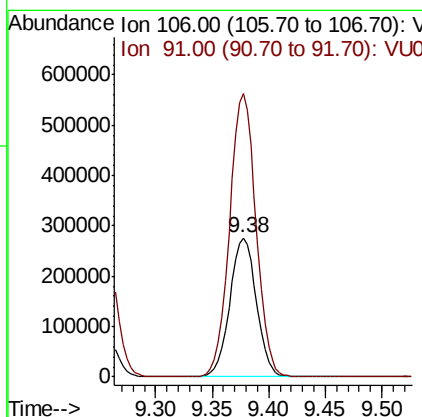
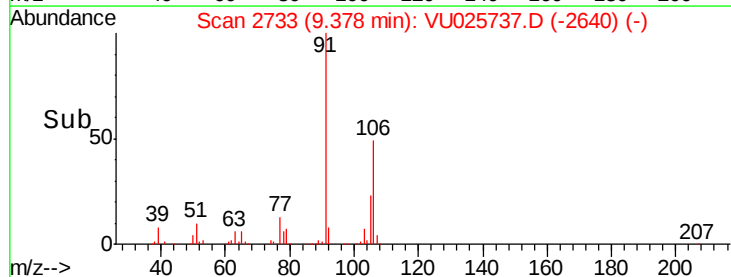
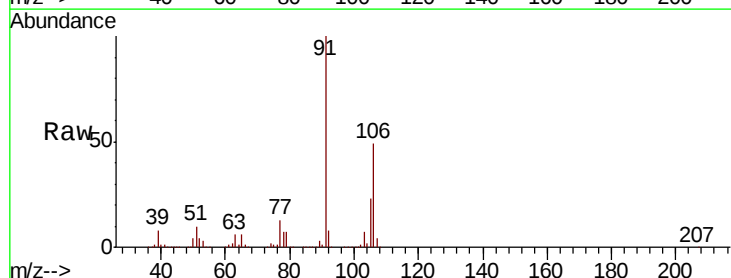
Manual Integrations
APPROVED

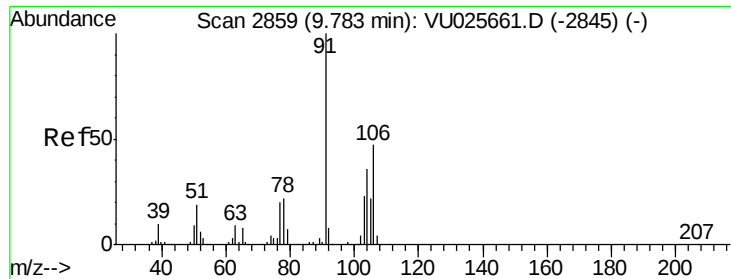
MMDadoda
8/2/2018 9:40:42 AM



#68
m/p-Xylenes
Concen: 103.553 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion: 106 Resp: 451643
Ion Ratio Lower Upper
106 100
91 202.6 162.3 243.5





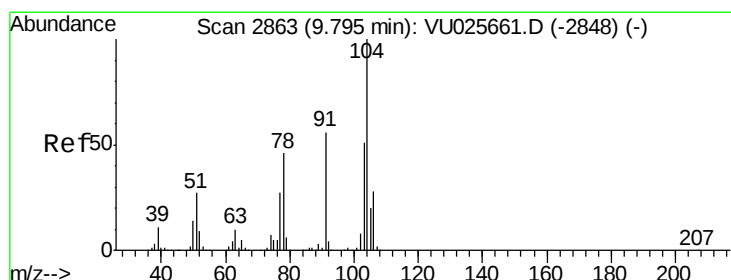
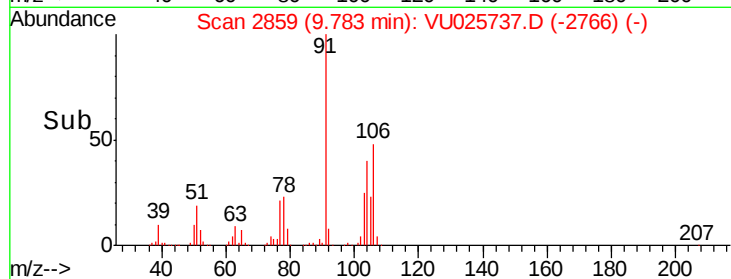
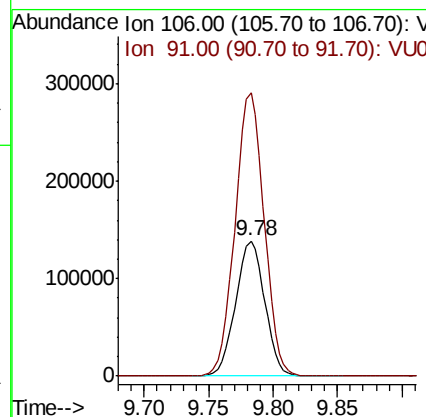
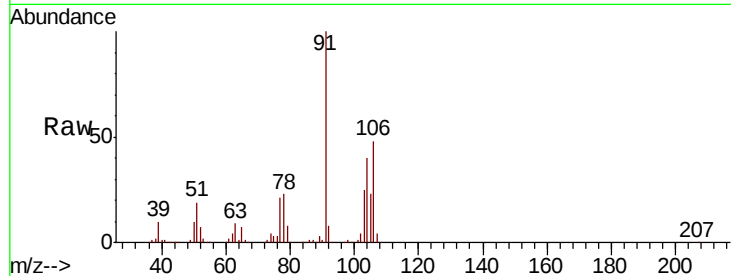
#69
o-Xylene
Concen: 51.066 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	105.3	315.8

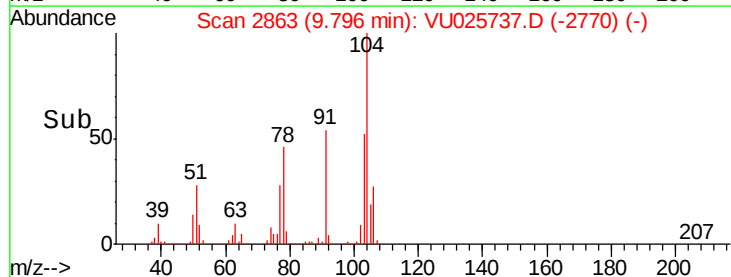
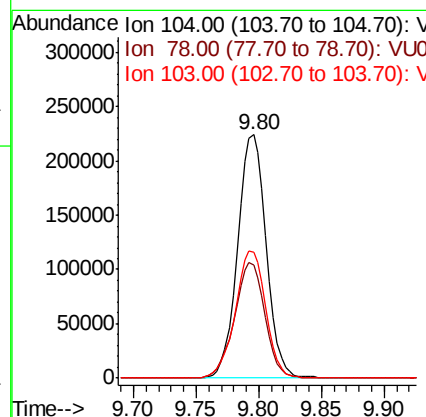
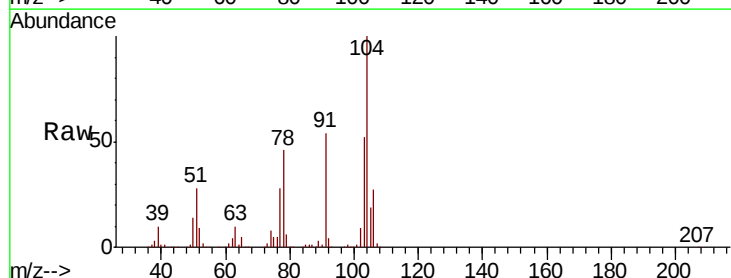
Manual Integrations
APPROVED

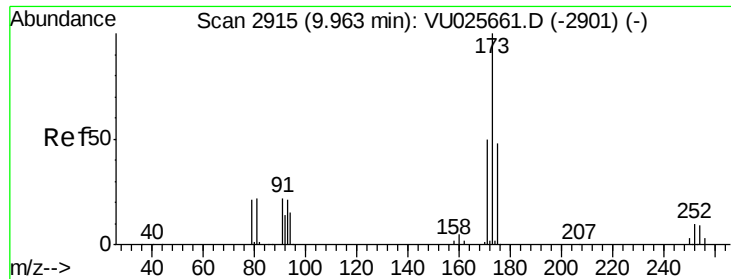
MMDadoda
8/2/2018 9:40:42 AM



#70
Styrene
Concen: 51.500 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	41.6	62.4
103	55.6	44.6	66.8





#71

Bromoform

Concen: 51.063 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

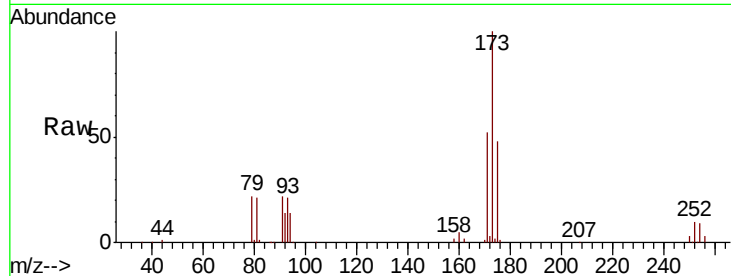
ClientSampleId :

VSTDCCC050

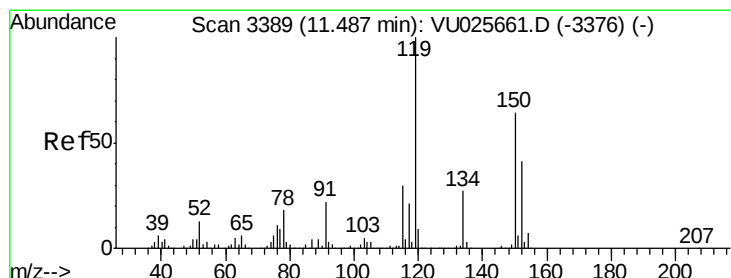
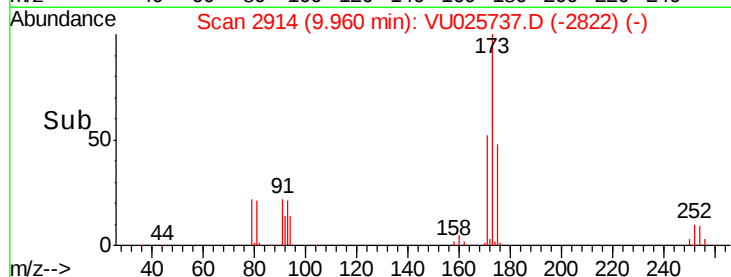
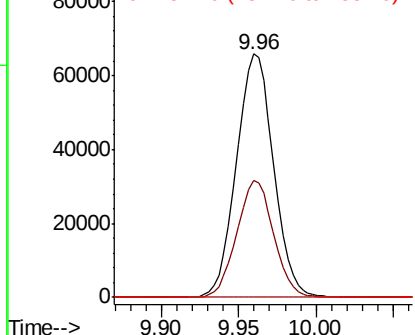
Tot Ion:	173	Resp:	109851
Ion Ratio	Lower	Upper	
173	100		
175	47.5	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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8/2/2018 9:40:42 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

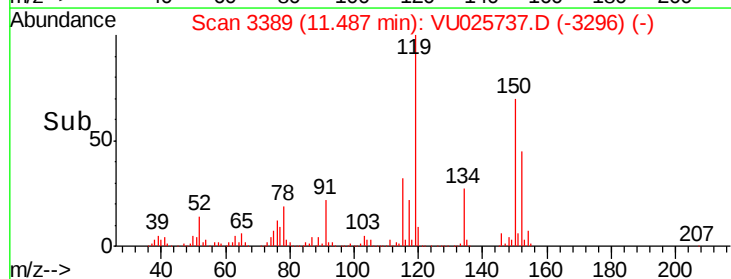
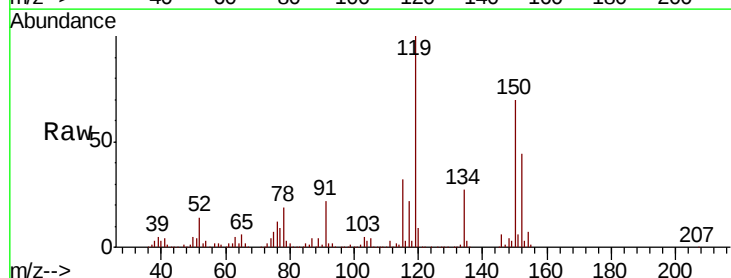
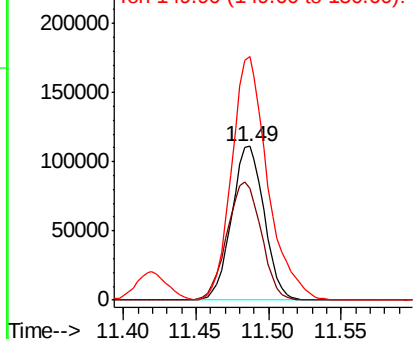
Delta R.T. 0.00 min

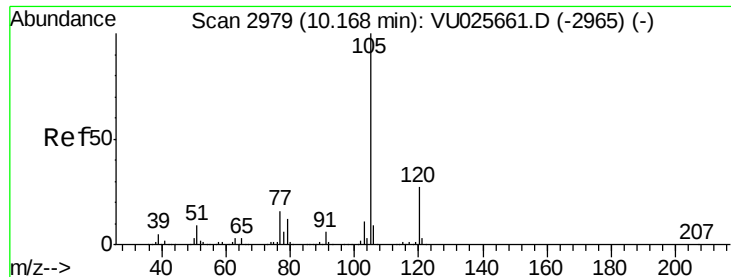
Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	152	Resp:	172589
Ion Ratio	Lower	Upper	
152	100		
115	80.7	40.1	120.3
150	175.2	0.0	351.4

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





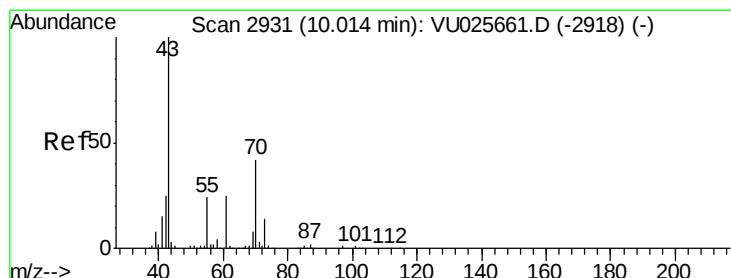
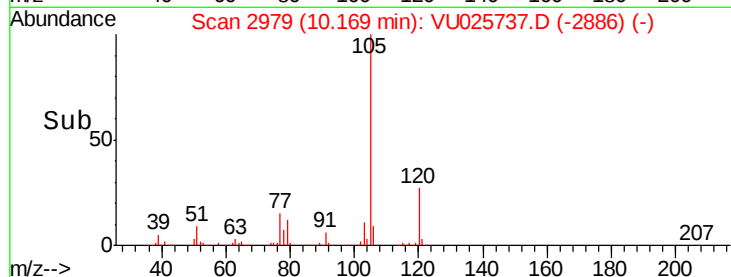
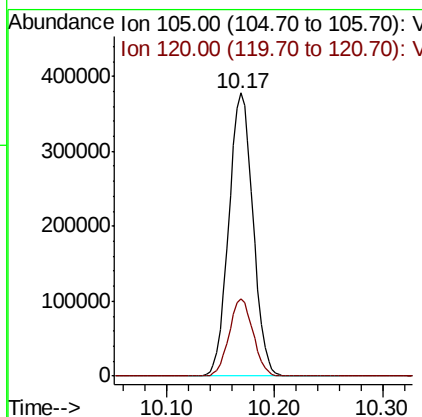
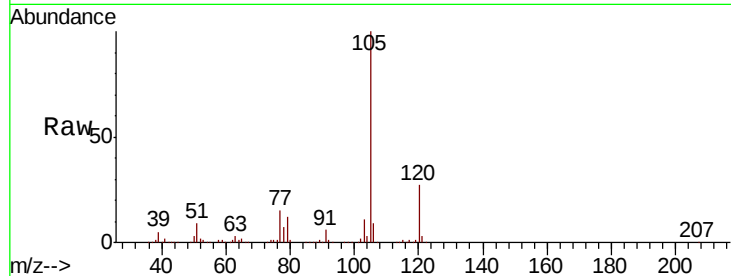
#73
Isopropylbenzene
Concen: 49.875 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

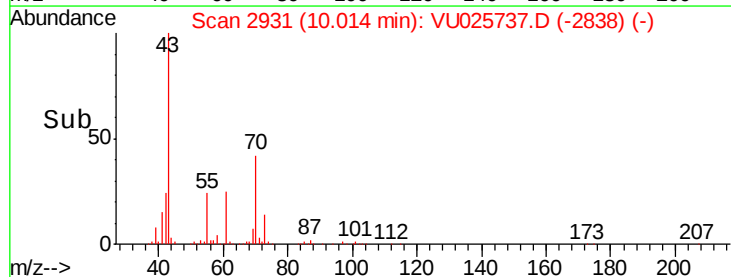
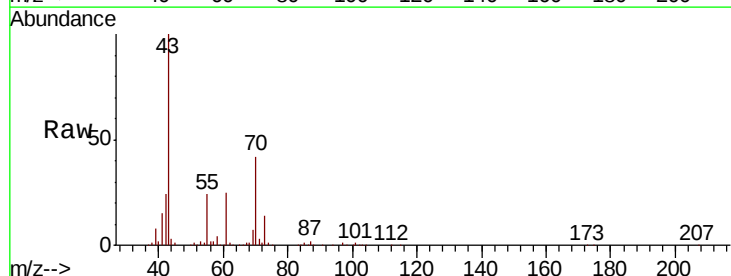
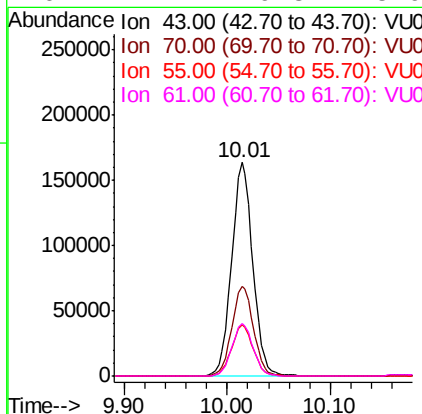
Manual Integrations
APPROVED

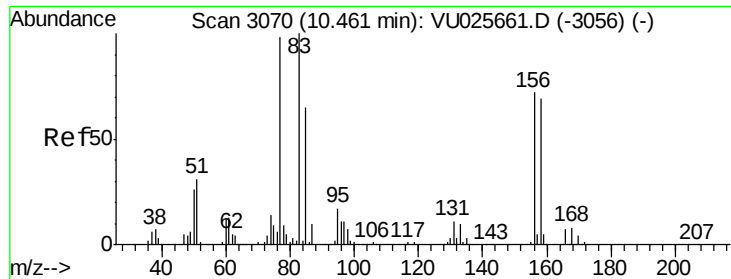
MMDadoda
8/2/2018 9:40:42 AM



#74
N-ethyl acetate
Concen: 48.920 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	33.4	50.2
55	24.4	19.0	28.6
61	24.7	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 46.705 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

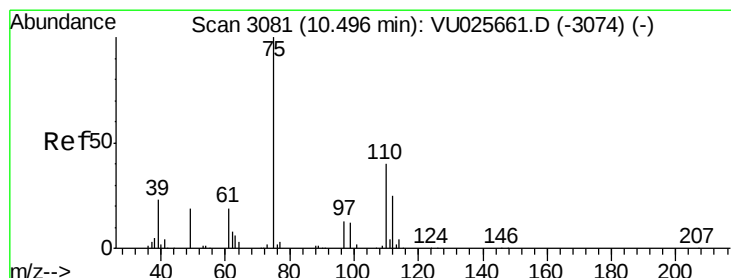
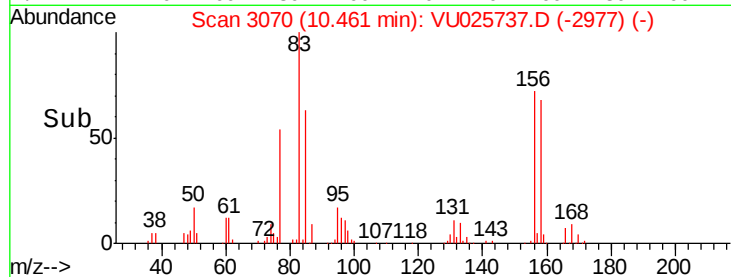
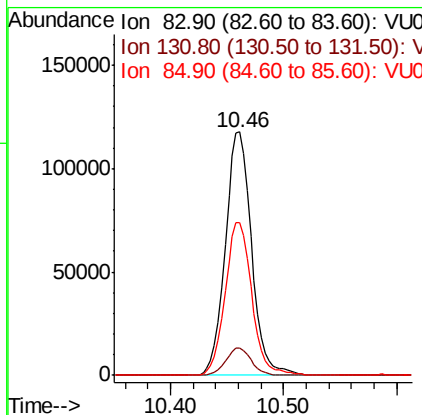
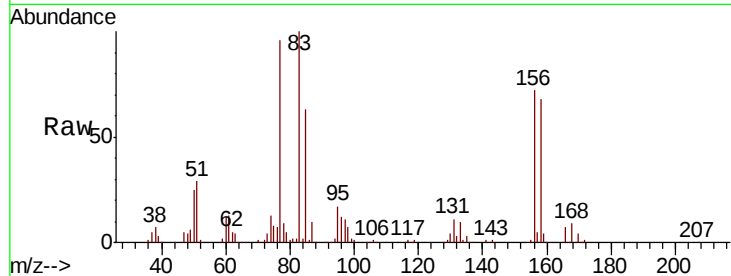
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	190255
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.020 ug/l m

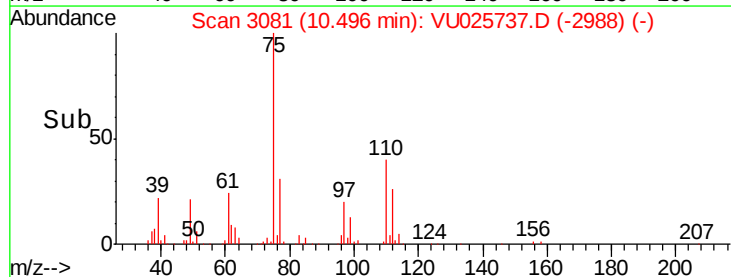
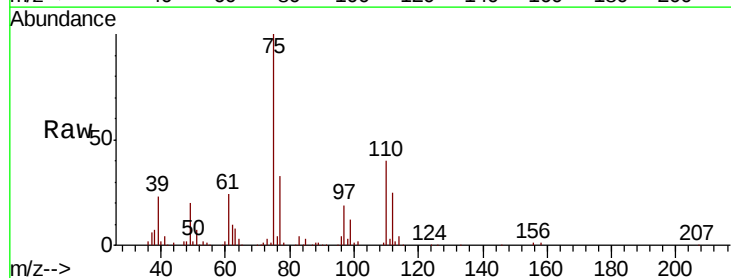
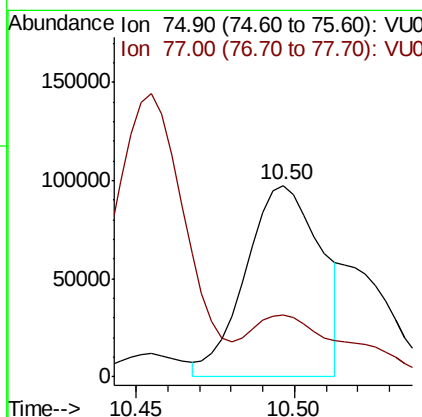
RT: 10.50 min Scan# 3081

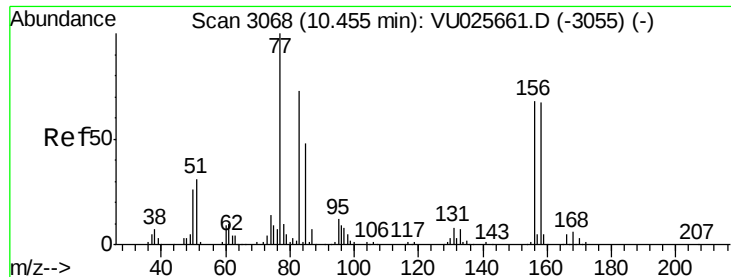
Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	75	Resp:	159789
Ion Ratio	Lower	Upper	
75	100		
77	43.5	20.4	61.3





#77

Bromobenzene

Concen: 49.329 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

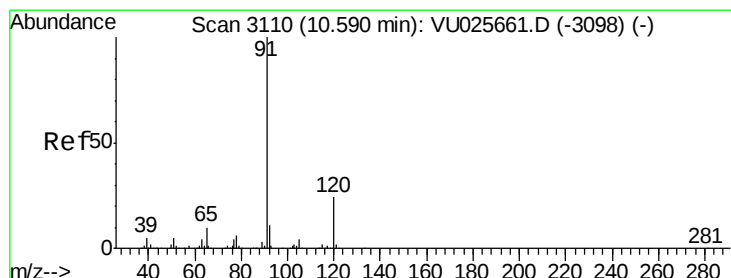
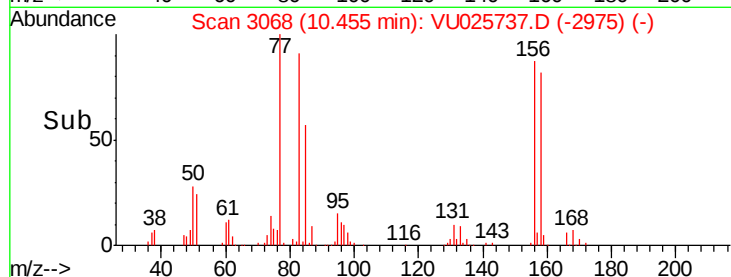
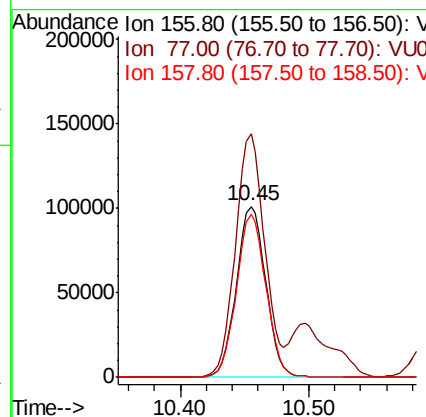
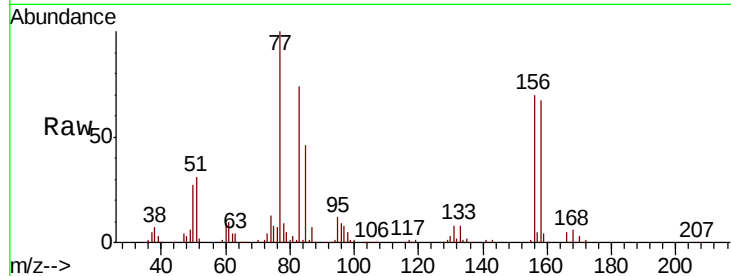
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	160276
Ion Ratio	Lower	Upper	
156	100		
77	142.7	73.8	221.4
158	95.6	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 50.878 ug/l

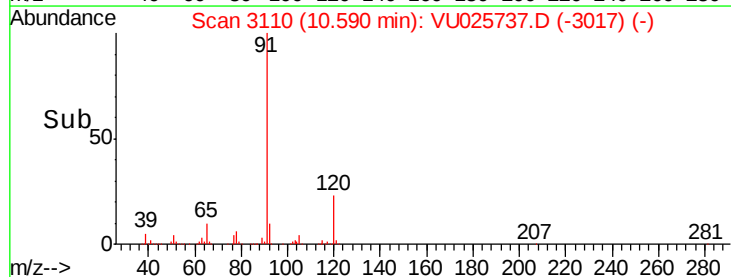
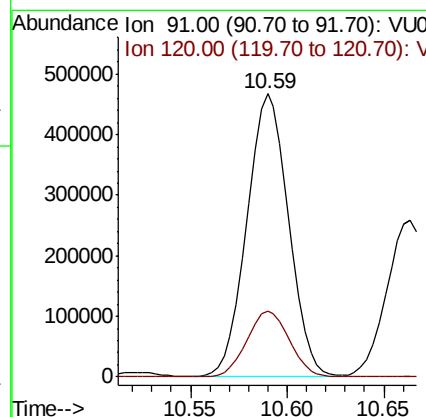
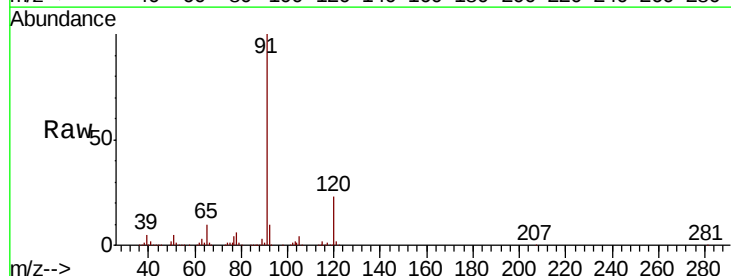
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	91	Resp:	699507
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 49.969 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 402395

Ion Ratio Lower Upper

91 100

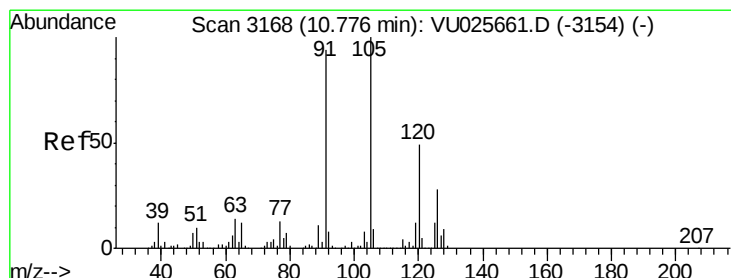
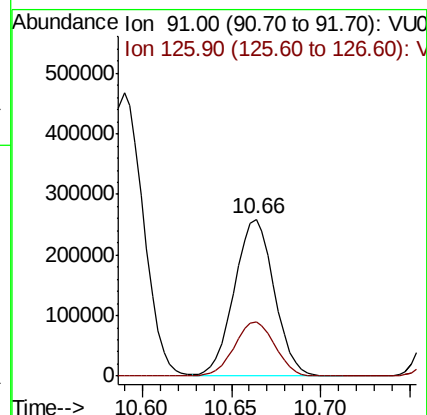
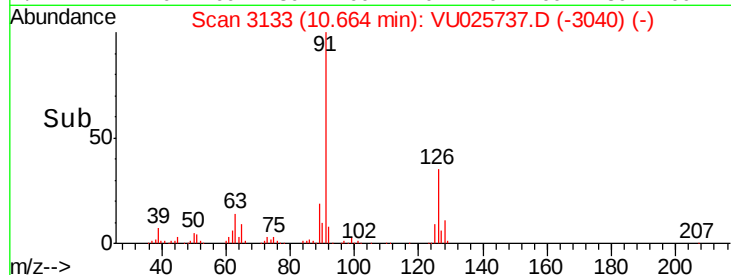
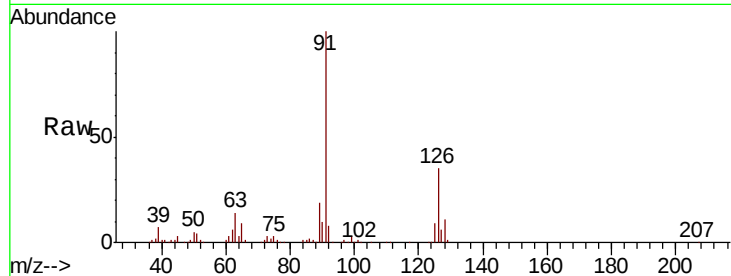
126 35.3 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.959 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025737.D

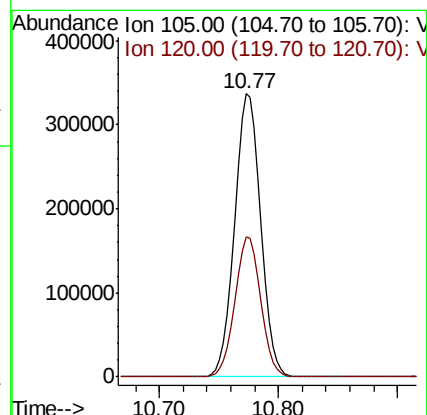
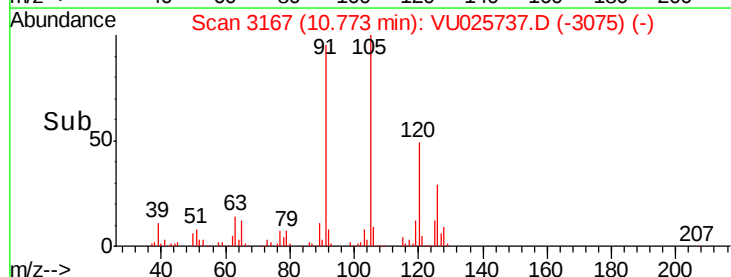
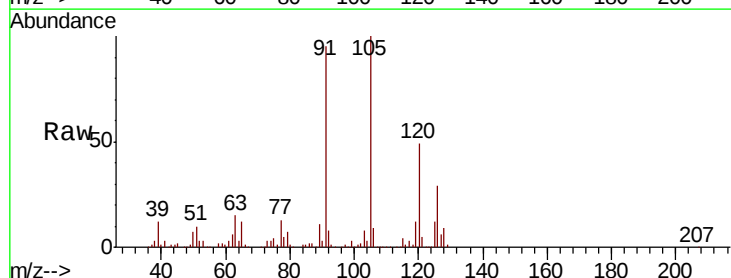
Acq: 31 Jul 2018 14:09

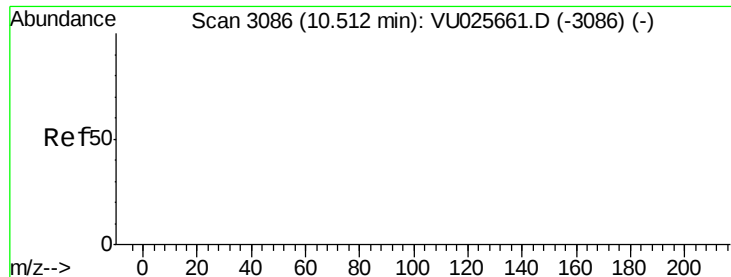
Tgt Ion: 105 Resp: 509796

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.400 ug/l m

RT: 10.51 min Scan# 3085

Delta R.T. 0.01 min

Lab File: VU025737.D

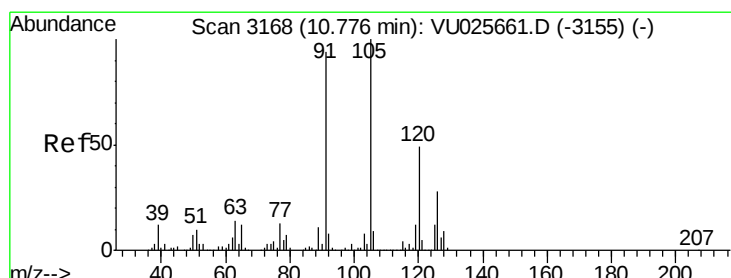
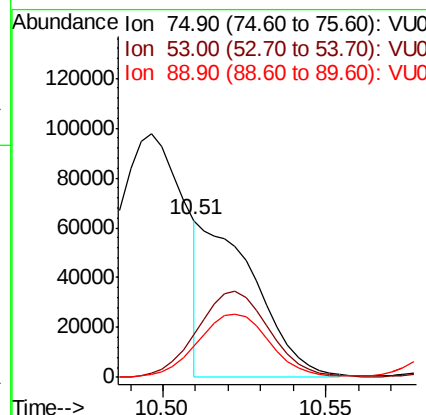
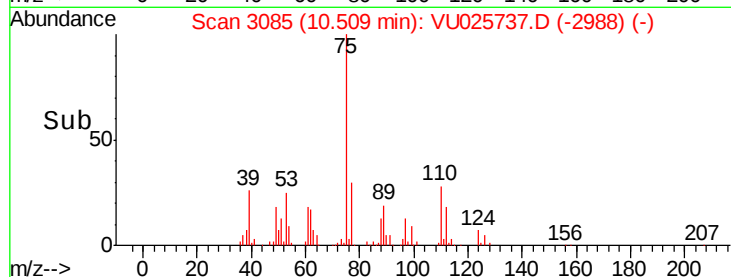
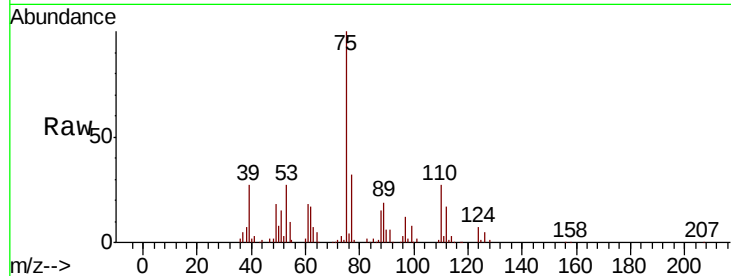
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.454 ug/l

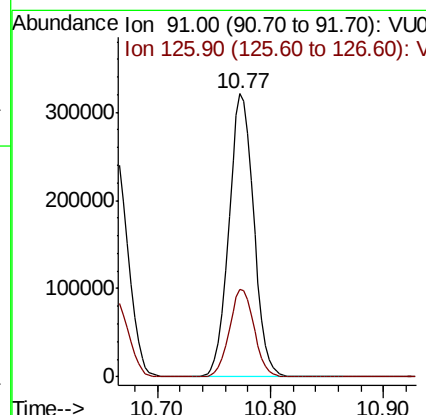
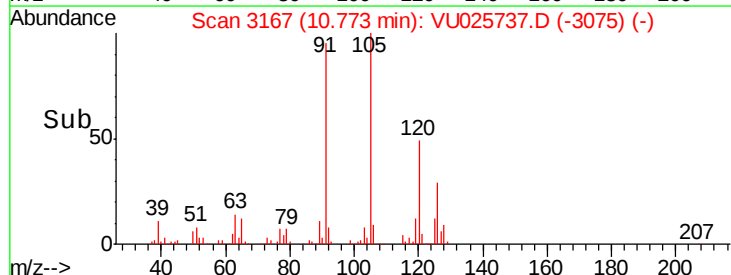
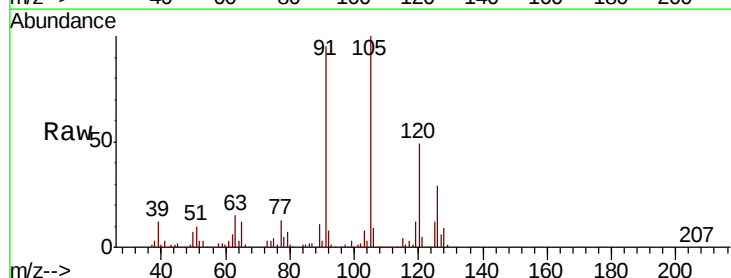
RT: 10.77 min Scan# 3167

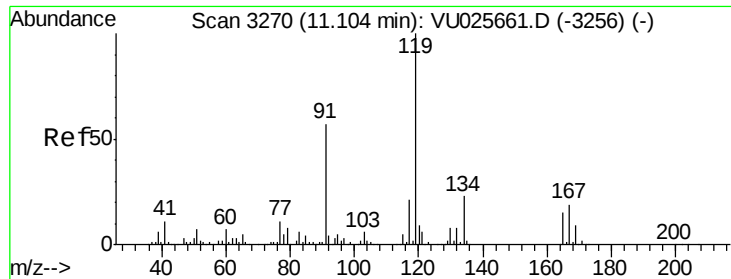
Delta R.T. -0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





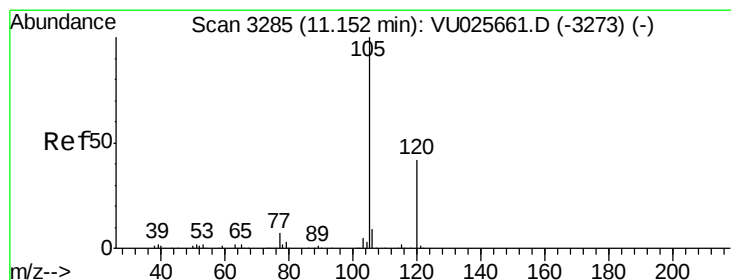
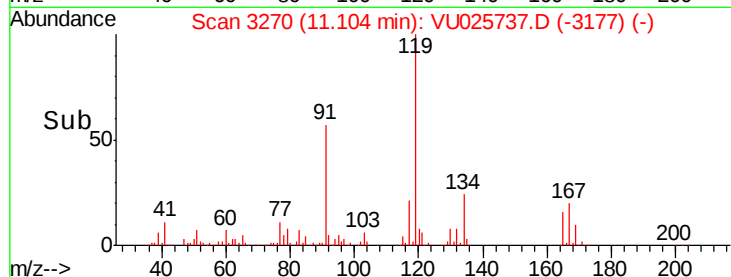
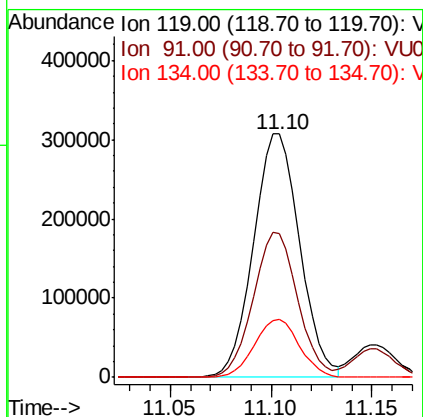
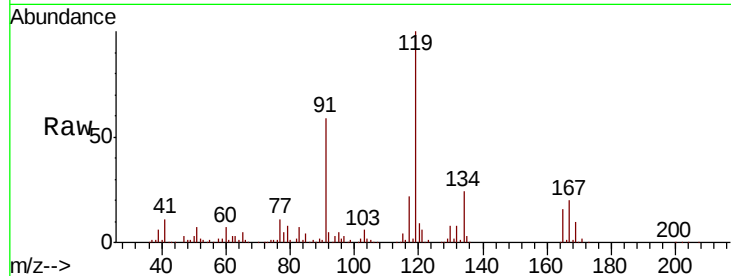
#83
tert-Butylbenzene
Concen: 49.503 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	29.7	89.1
134	23.3	11.5	34.5

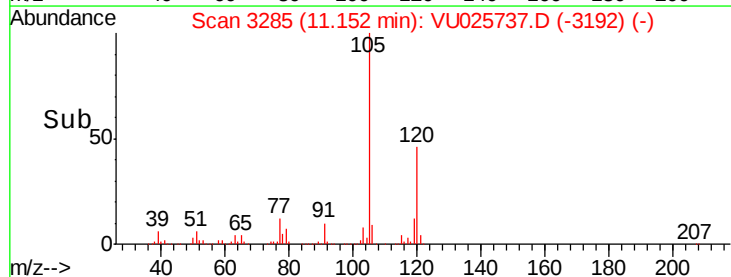
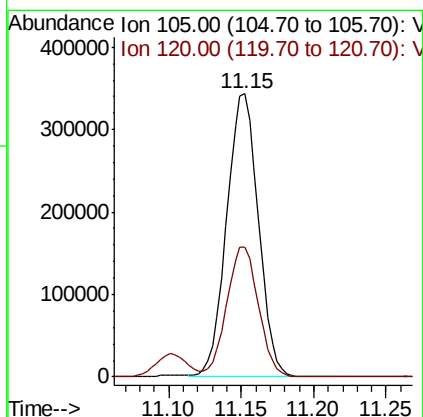
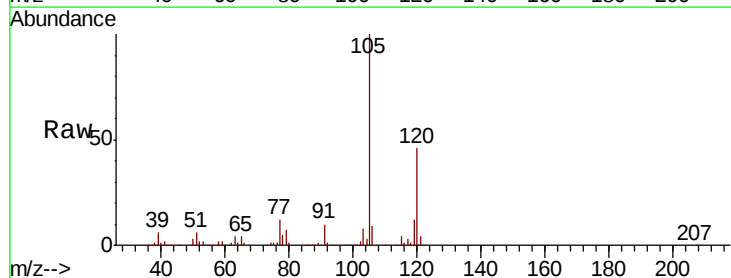
Manual Integrations
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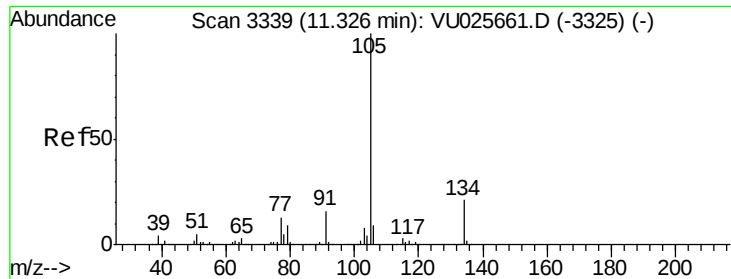
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.459 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.835 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 604775

Ion Ratio Lower Upper

105 100

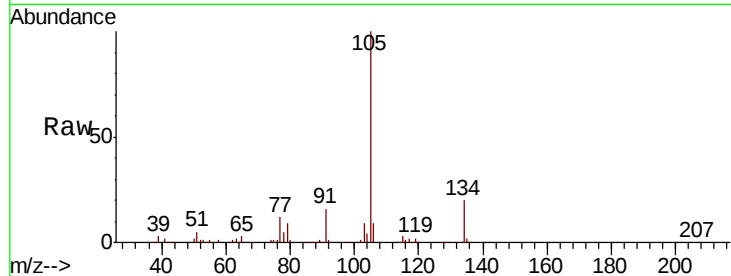
134 20.5 10.3 30.8

Manual Integrations

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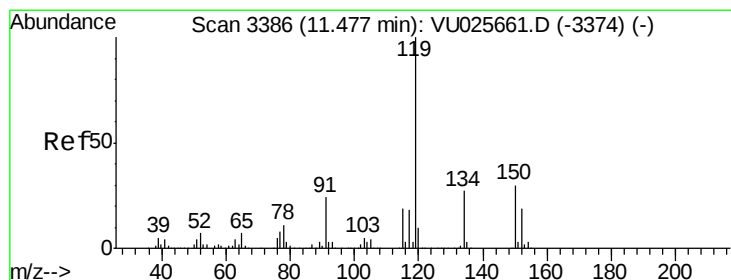
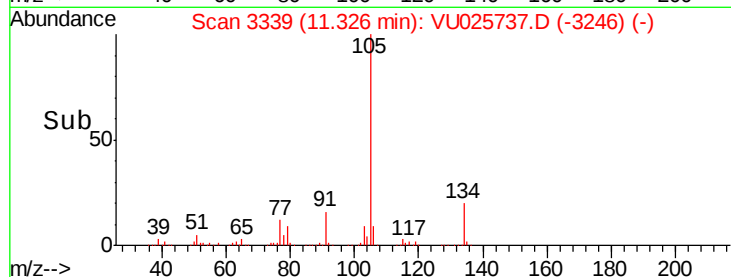
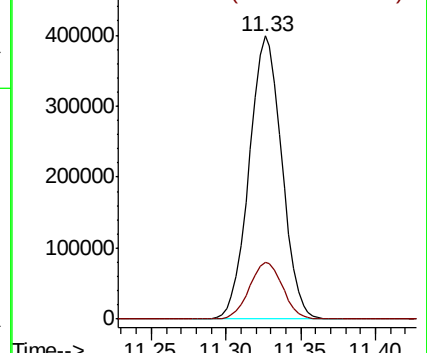
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.897 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

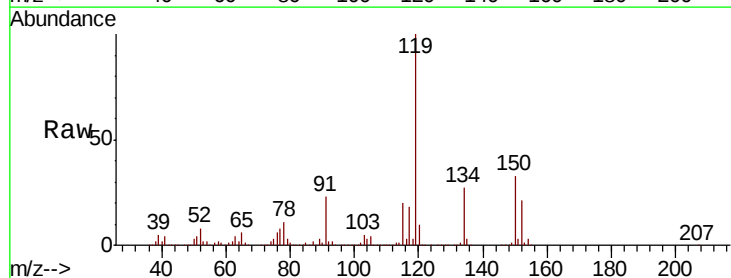
Tgt Ion:119 Resp: 553072

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.5

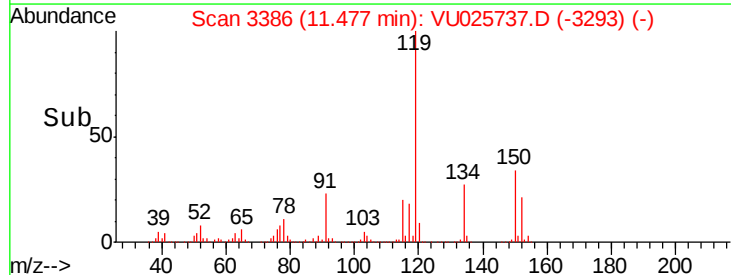
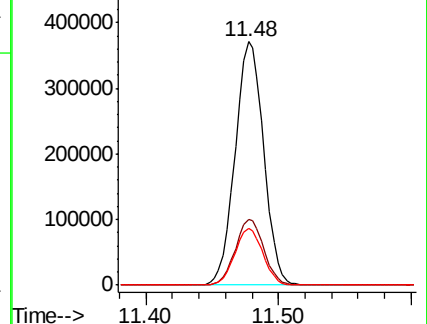
91 23.2 12.0 36.1

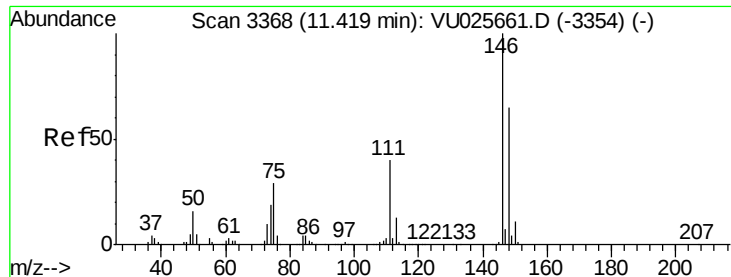


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 49.871 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Instrument :

MSVOA_U

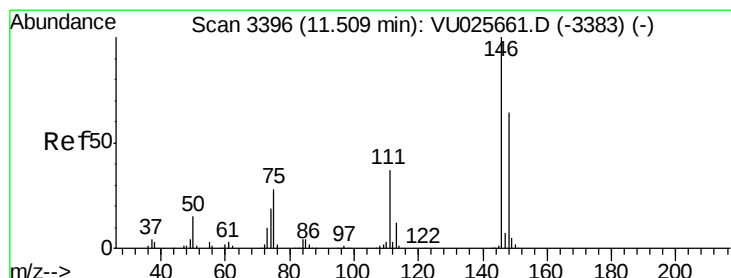
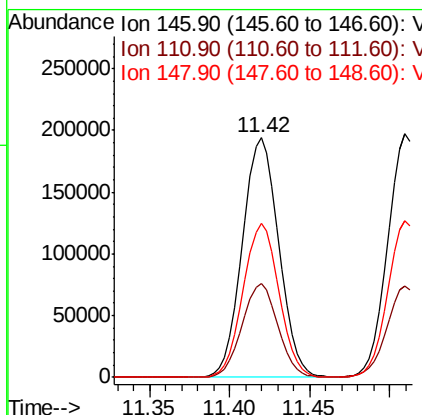
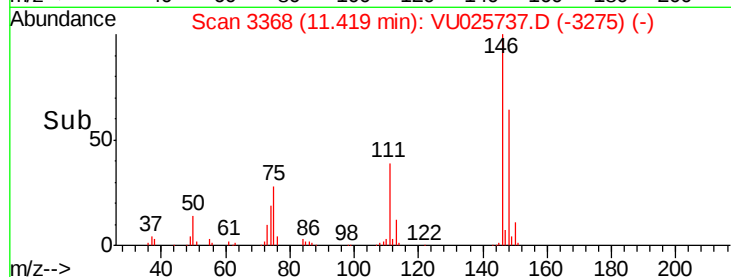
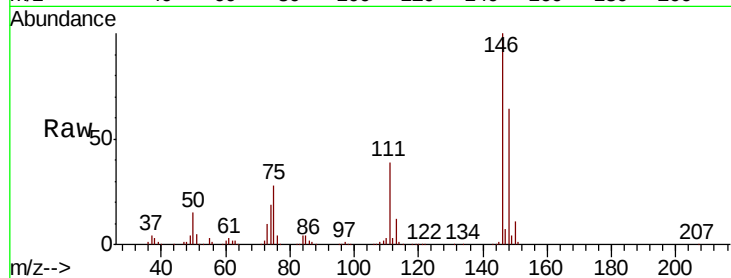
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	300770
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.7	59.1
148	63.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.659 ug/l

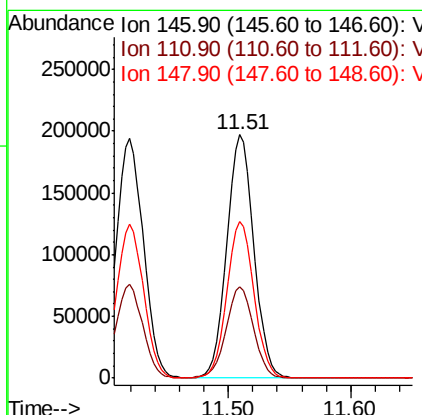
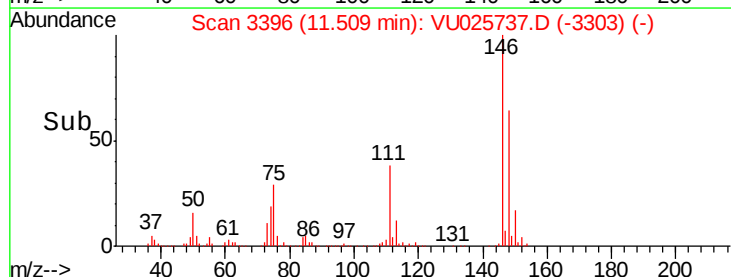
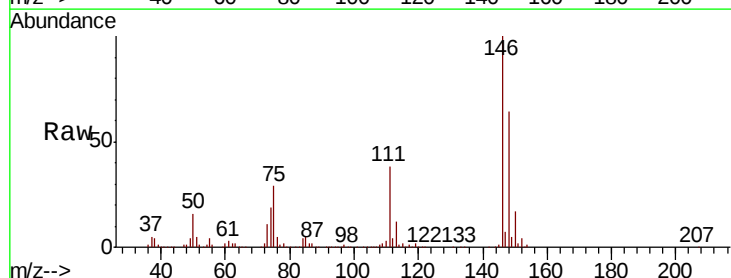
RT: 11.51 min Scan# 3396

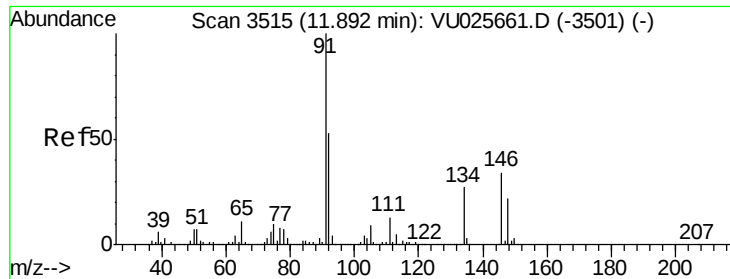
Delta R.T. 0.00 min

Lab File: VU025737.D

Acq: 31 Jul 2018 14:09

Tgt Ion:	146	Resp:	305899
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.1
148	64.4	31.7	95.1





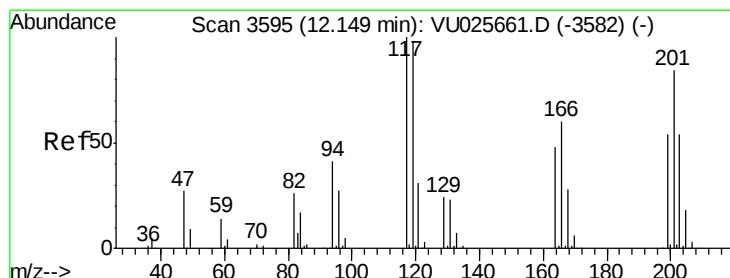
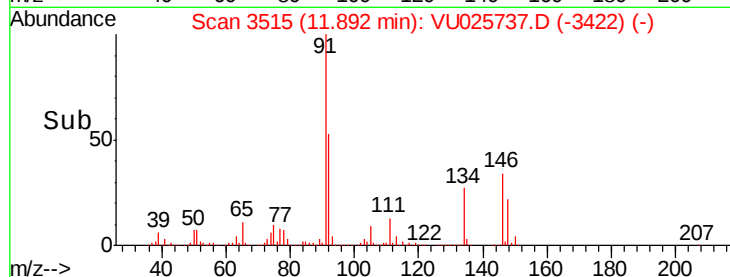
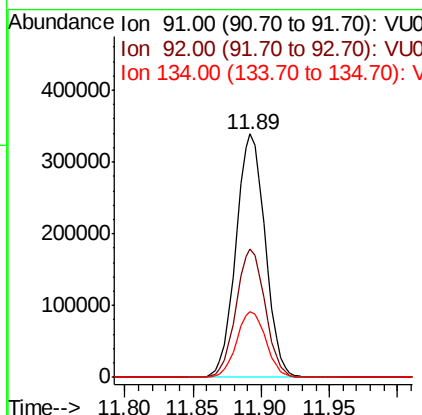
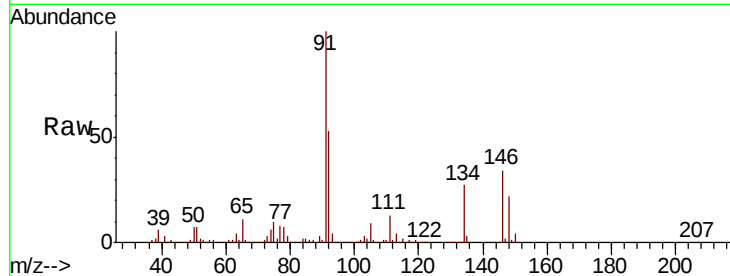
#89
n-Butylbenzene
Concen: 50.290 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	27.1	13.6	40.7

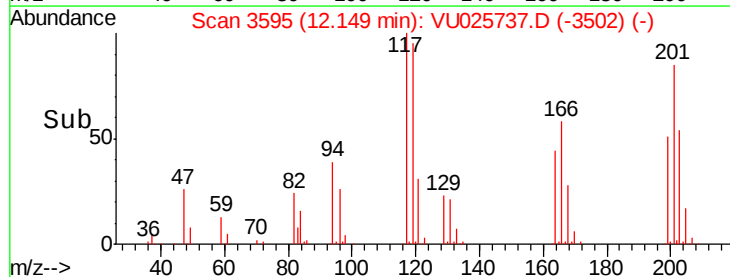
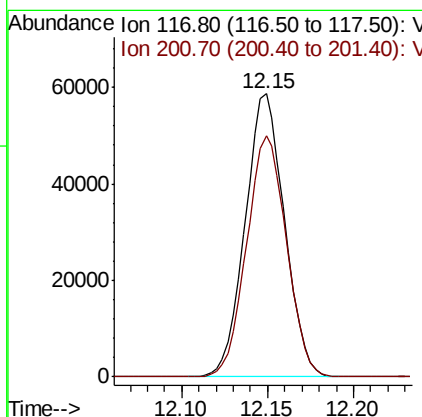
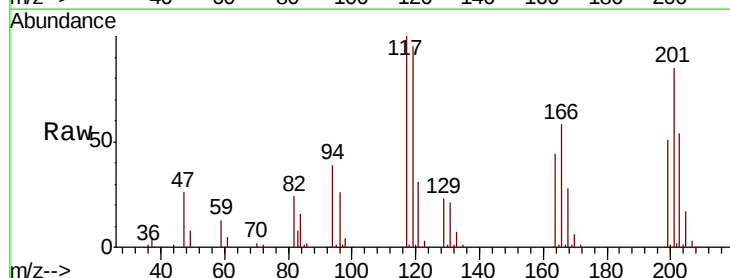
Manual Integrations
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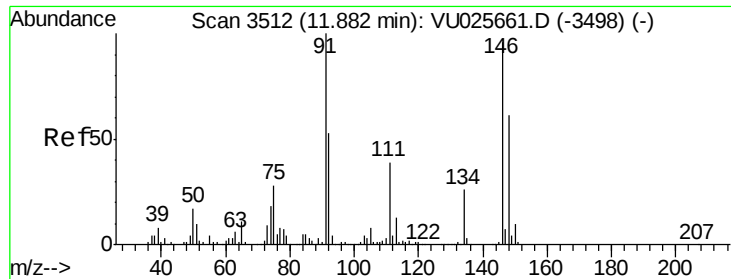
MMDadoda
8/2/2018 9:40:42 AM



#90
Hexachloroethane
Concen: 48.229 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	42.5	127.6





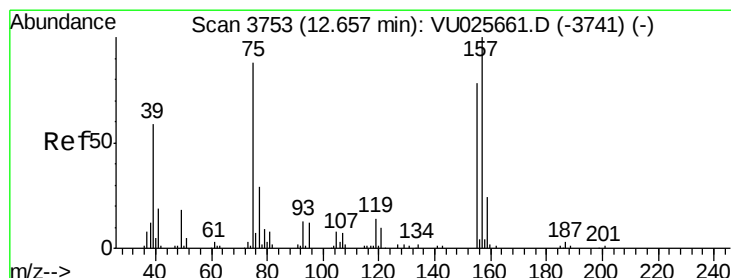
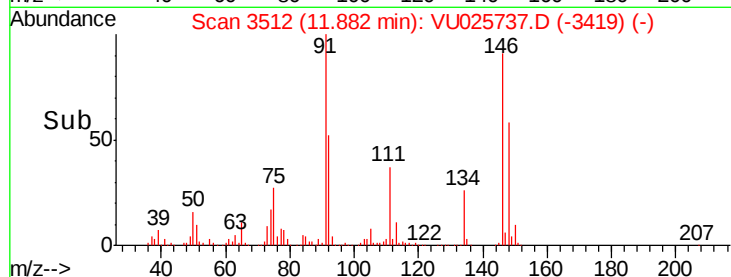
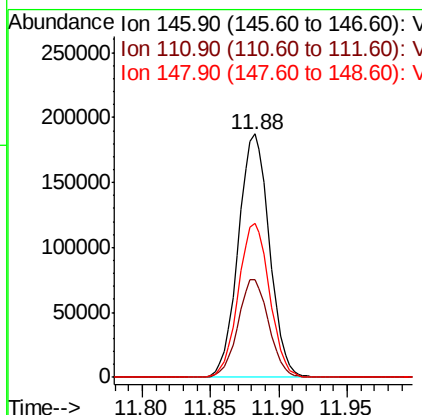
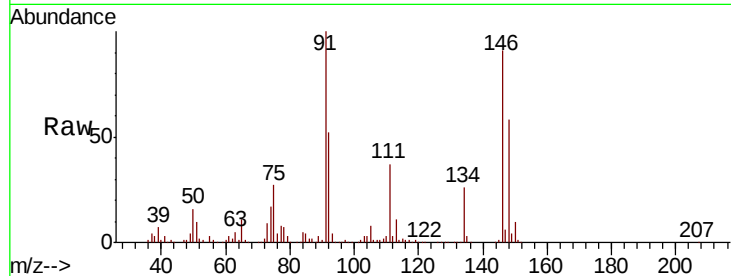
#91
 1,2-Dichlorobenzene
 Concen: 50.174 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	63.6	31.5	94.5

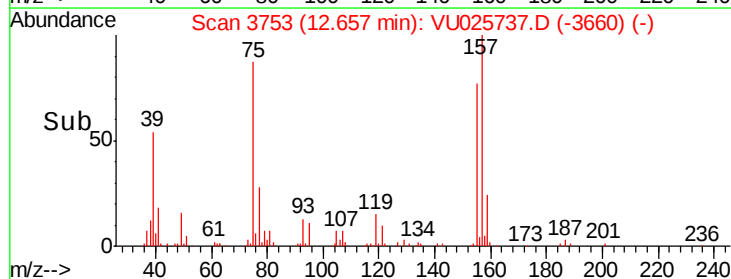
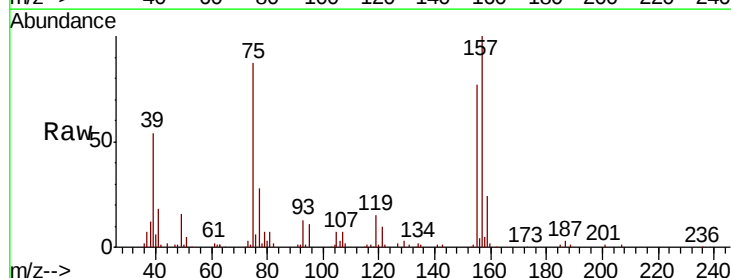
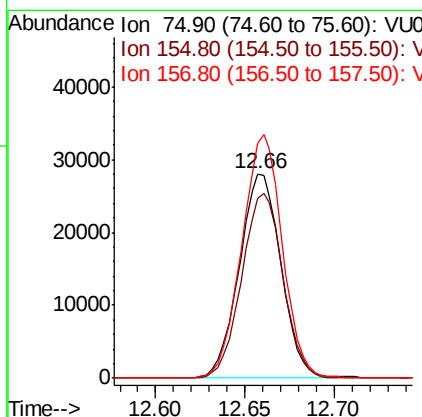
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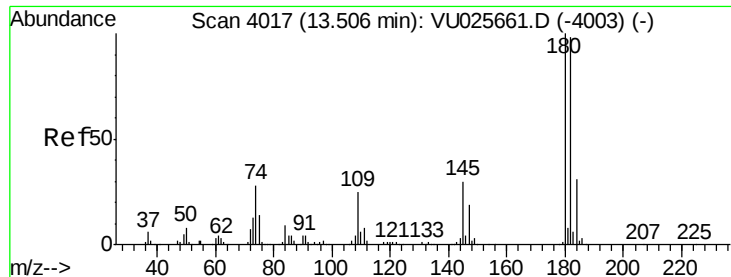
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.365 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	44.5	133.3
157	115.9	57.0	170.8





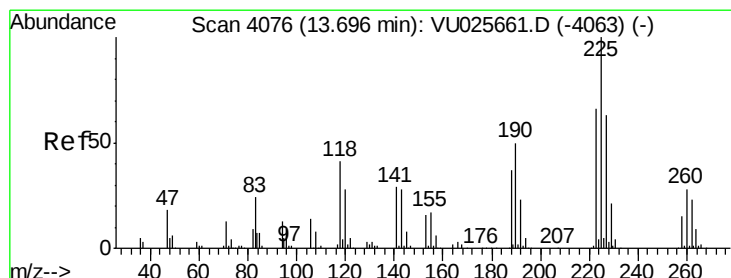
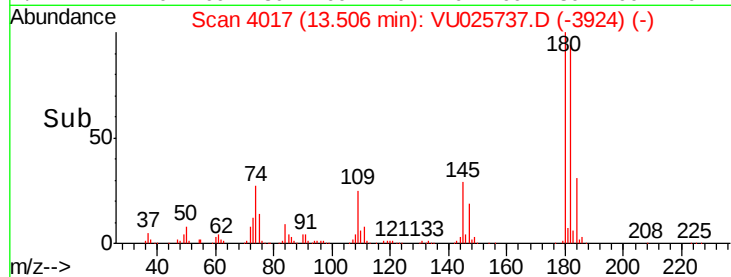
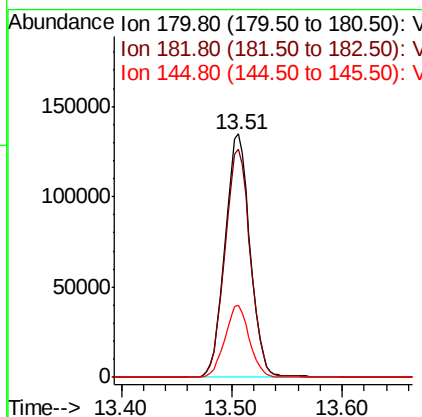
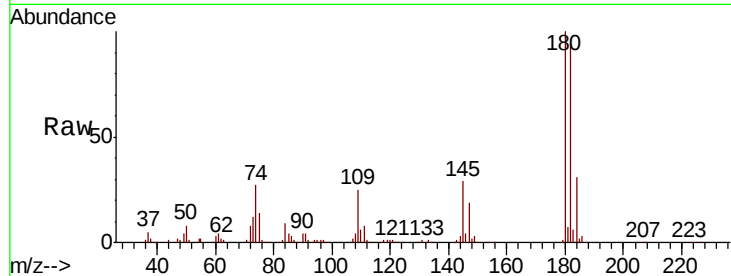
#93
 1,2,4-Trichlorobenzene
 Concen: 53.302 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212665		
182	95.4	47.3	141.9	
145	29.0	14.9	44.7	

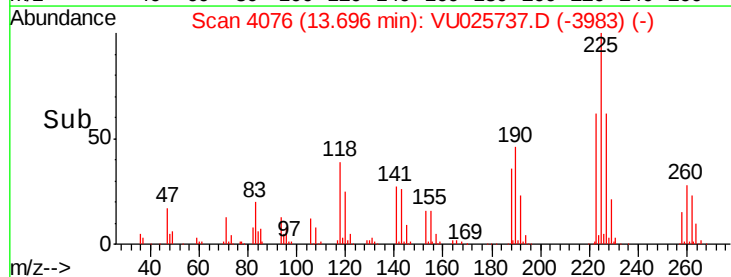
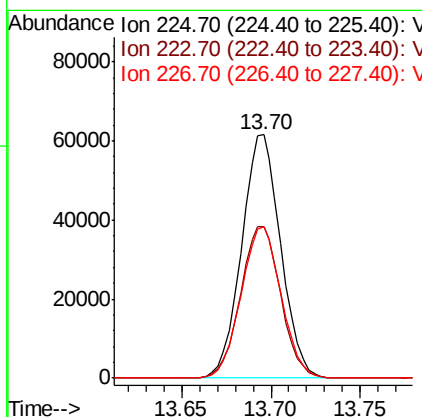
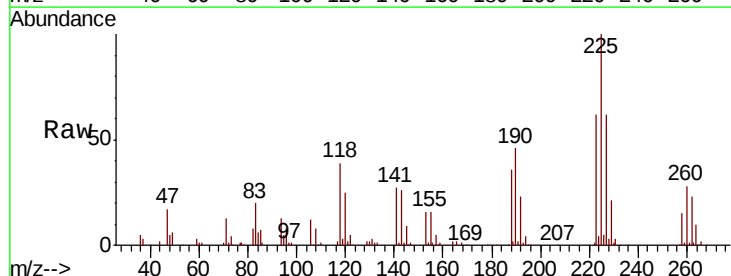
Manual Integrations
 APPROVED

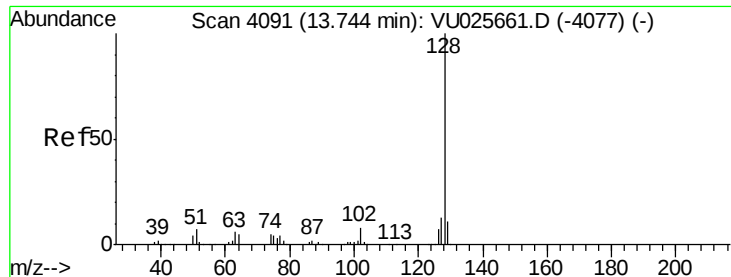
MMDadoda
 8/2/2018 9:40:42 AM



#94
 Hexachlorobutadiene
 Concen: 44.712 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025737.D
 Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	94035		
223	63.9	31.9	95.7	
227	63.6	32.3	96.9	





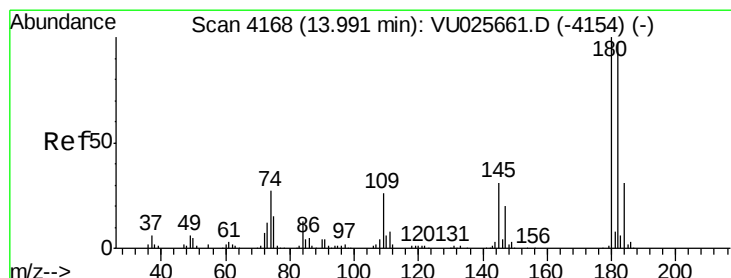
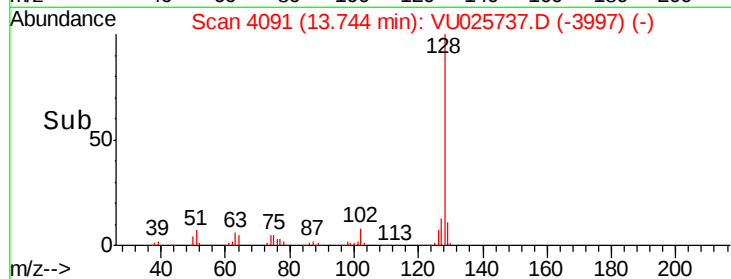
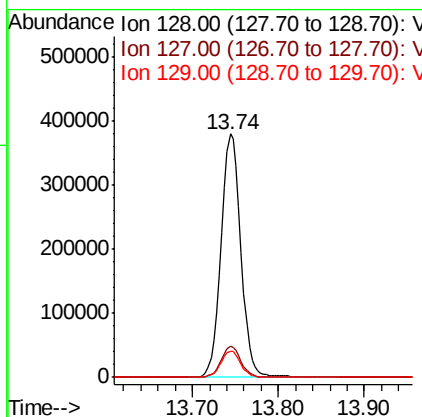
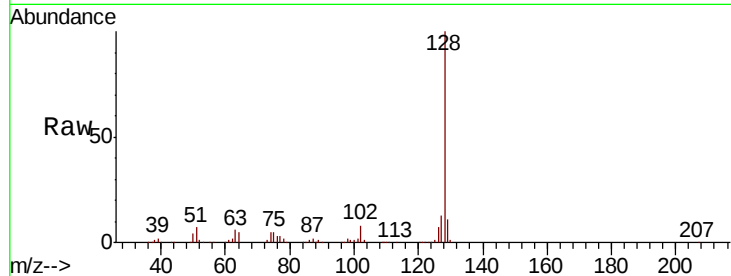
#95
Naphthalene
Concen: 47.486 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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8/2/2018 9:40:42 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.562 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025737.D
Acq: 31 Jul 2018 14:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	31.0	15.6	46.8

