

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
 Data File : VU025303.D
 Acq On : 10 Jul 2018 20:57
 Operator : MD/SY
 Sample : J3905-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:59 PM

Quant Time: Jul 11 04:27:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	187425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	285025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	268590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	127231	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	
35) Dibromofluoromethane	4.89	113	105771	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
50) Toluene-d8	7.57	98	345386	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	
62) 4-Bromofluorobenzene	10.31	95	143630	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82100	42.33	ug/l	99
3) Chloromethane	1.33	50	93272	48.28	ug/l	98
4) Vinyl Chloride	1.40	62	101650	47.69	ug/l	99
5) Bromomethane	1.61	94	59260	55.00	ug/l	98
6) Chloroethane	1.69	64	64863	47.86	ug/l	97
7) Trichlorofluoromethane	1.88	101	154623	46.16	ug/l	100
8) Diethyl Ether	2.10	74	63421	50.45	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	95368	45.94	ug/l	99
10) Methyl Iodide	2.41	142	93260	41.66	ug/l	99
11) Tert butyl alcohol	2.83	59	172813	272.05	ug/l	99
12) 1,1-Dichloroethene	2.28	96	91506	48.16	ug/l	95
13) Acrolein	2.19	56	69815	166.13	ug/l	98
14) Allyl chloride	2.59	41	156284	45.36	ug/l	99
15) Acrylonitrile	2.94	53	346430	265.26	ug/l	99
16) Acetone	2.32	43	324558	219.04	ug/l	98
17) Carbon Disulfide	2.48	76	239113	43.34	ug/l	100
18) Methyl Acetate	2.62	43	158288	53.09	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	375541	51.97	ug/l	100
20) Methylene Chloride	2.70	84	112265	49.84	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	101275	46.65	ug/l	99
22) Diisopropyl ether	3.57	45	357502	50.81	ug/l	96
23) Vinyl Acetate	3.53	43	1531061	248.04	ug/l	99
24) 1,1-Dichloroethane	3.45	63	200939	50.64	ug/l	99
25) 2-Butanone	4.26	43	503476	249.46	ug/l	100
26) 2,2-Dichloropropane	4.23	77	157726	41.34	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	123441	49.14	ug/l	98
28) Bromochloromethane	4.55	49	93775	48.94	ug/l	98
29) Tetrahydrofuran	4.63	42	317221	262.04	ug/l	100
30) Chloroform	4.68	83	216726	51.57	ug/l	99
31) Cyclohexane	5.00	56	162520	44.28	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	194090	50.96	ug/l	99
36) 1,1-Dichloropropene	5.14	75	147394	46.52	ug/l	99
37) Ethyl Acetate	4.38	43	177930	50.35	ug/l	100
38) Carbon Tetrachloride	5.14	117	167703	49.17	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025303.D
 Acq On : 10 Jul 2018 20:57
 Operator : MD/SY
 Sample : J3905-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:59 PM

Quant Time: Jul 11 04:27:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	161759	40.93	ug/l	96
40) Benzene	5.39	78	440416	48.23	ug/l	98
41) Methacrylonitrile	4.54	41	102720	52.43	ug/l	99
42) 1,2-Dichloroethane	5.41	62	179114	49.34	ug/l	99
43) Isopropyl Acetate	5.55	43	283532	50.10	ug/l	100
44) Trichloroethene	6.19	130	124171	47.36	ug/l	99
45) 1,2-Dichloropropane	6.44	63	121591	50.84	ug/l	97
46) Dibromomethane	6.56	93	85891	49.35	ug/l	99
47) Bromodichloromethane	6.76	83	163247	50.49	ug/l	96
48) Methyl methacrylate	6.62	41	147139	52.16	ug/l	99
49) 1,4-Dioxane	6.62	88	64354	948.00	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	957427	260.30	ug/l	100
52) Toluene	7.64	92	283324	48.77	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	173187	48.75	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	182778	48.34	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	120657	49.87	ug/l	97
56) Ethyl methacrylate	8.02	69	193227	51.13	ug/l	97
57) 1,3-Dichloropropane	8.25	76	201944	50.28	ug/l	100
59) 2-Hexanone	8.36	43	753463	252.55	ug/l	98
60) Dibromochloromethane	8.48	129	137369	52.57	ug/l	100
61) 1,2-Dibromoethane	8.59	107	132891	51.33	ug/l	98
64) Tetrachloroethene	8.23	164	119890	48.97	ug/l	100
65) Chlorobenzene	9.12	112	329959	49.18	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	127346	53.06	ug/l	99
67) Ethyl Benzene	9.25	91	557805	48.76	ug/l	100
68) m/p-Xylenes	9.38	106	435338	98.44	ug/l	100
69) o-Xylene	9.78	106	219544	49.59	ug/l	97
70) Styrene	9.80	104	358150	50.92	ug/l	98
71) Bromoform	9.96	173	109155	47.31	ug/l #	99
73) Isopropylbenzene	10.17	105	579654	47.41	ug/l	100
74) N-amyl acetate	10.01	43	249526	49.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	201295	50.33	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	181356m	54.79	ug/l	
77) Bromobenzene	10.45	156	153377	49.04	ug/l	99
78) n-propylbenzene	10.59	91	645019	47.54	ug/l	100
79) 2-Chlorotoluene	10.66	91	400053	51.35	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	495052	48.12	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58081m	45.56	ug/l	
82) 4-Chlorotoluene	10.78	91	451835	47.03	ug/l	99
83) tert-Butylbenzene	11.10	119	506617	48.73	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	504994	47.90	ug/l	99
85) sec-Butylbenzene	11.33	105	590289	48.22	ug/l	100
86) p-Isopropyltoluene	11.48	119	516509	47.66	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	271281	47.46	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	271751	48.71	ug/l	100
89) n-Butylbenzene	11.89	91	404165	45.36	ug/l	99
90) Hexachloroethane	12.15	117	86251	47.00	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	282096	48.87	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51713	53.31	ug/l	98
93) 1,2,4-Trichlorobenzene	13.51	180	174632	45.49	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\
Data File : VU025303.D
Acq On : 10 Jul 2018 20:57
Operator : MD/SY
Sample : J3905-09MSD
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

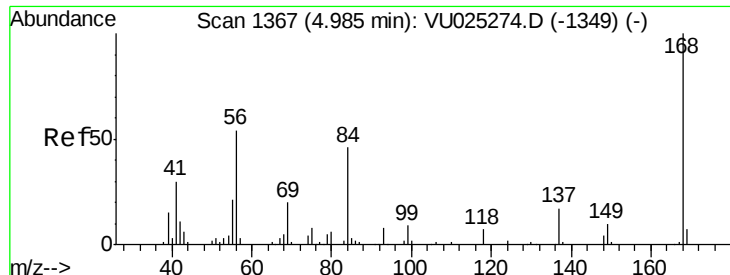
Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM

Quant Time: Jul 11 04:27:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 10 09:34:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	90747	43.95	ug/l	97
95) Naphthalene	13.74	128	609936	51.82	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	188273	48.07	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion:168 Resp: 187425

Ion Ratio Lower Upper

168 100

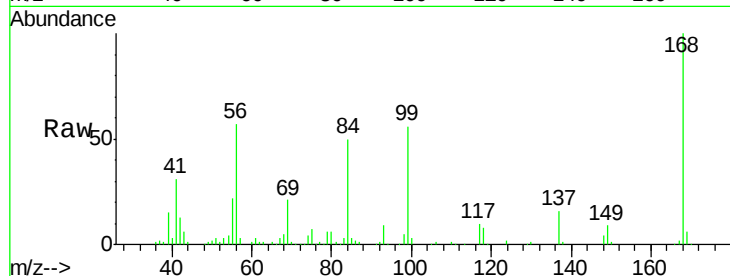
99 55.2 42.8 64.2

Manual Integrations

APPROVED

MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

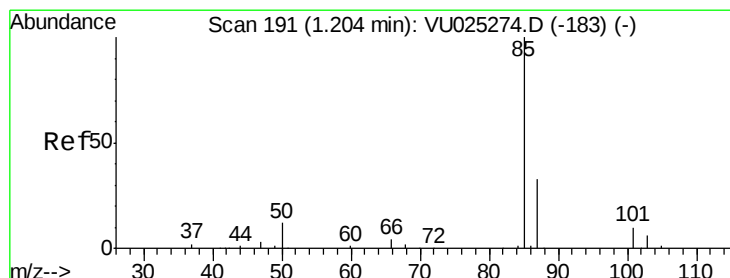
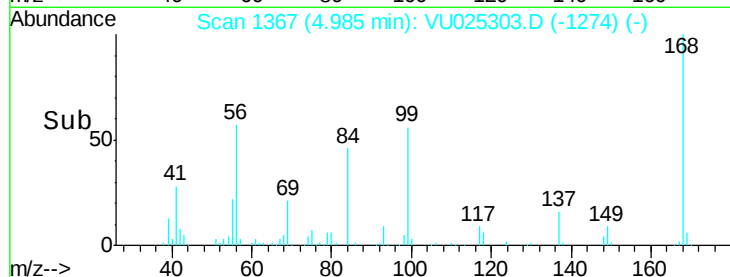
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.33 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025303.D

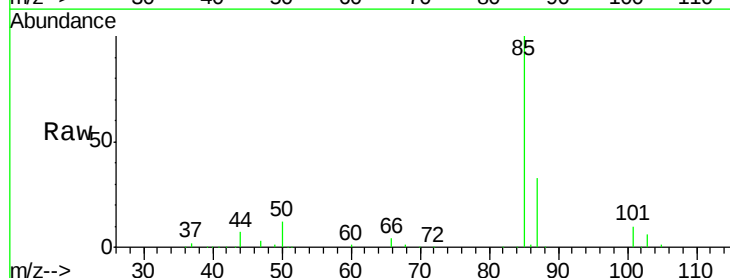
Acq: 10 Jul 2018 20:57

Tgt Ion: 85 Resp: 82100

Ion Ratio Lower Upper

85 100

87 33.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.20

80000

60000

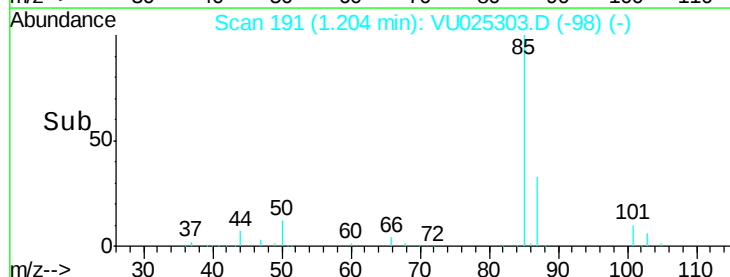
40000

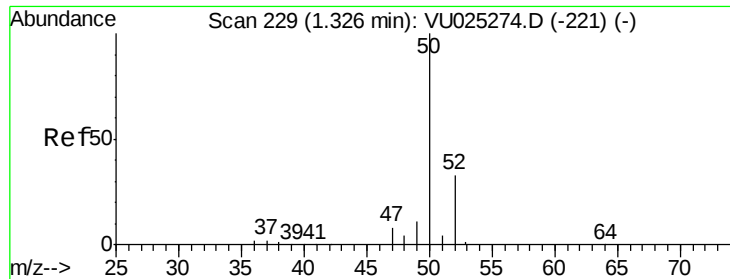
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.28 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 50 Resp: 93272

Ion Ratio Lower Upper

50 100

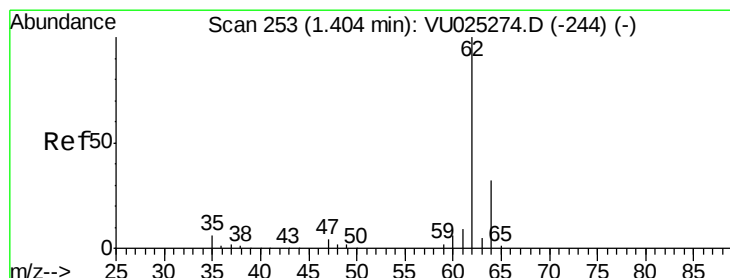
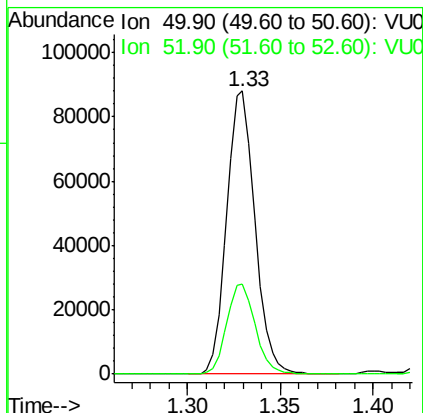
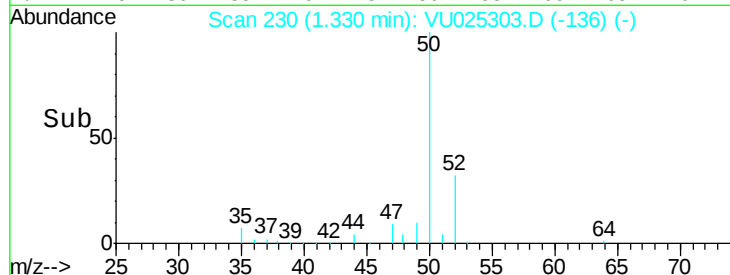
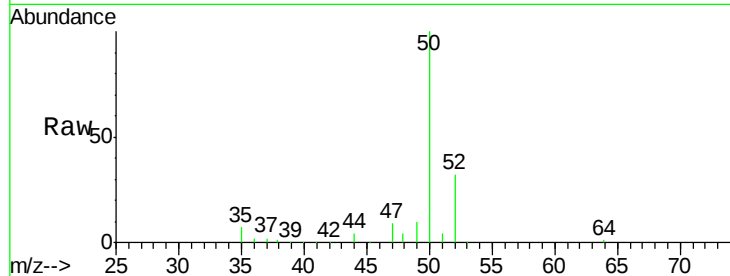
52 31.9 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/11/2018 5:05:59 PM



#4

Vinyl Chloride

Concen: 47.69 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025303.D

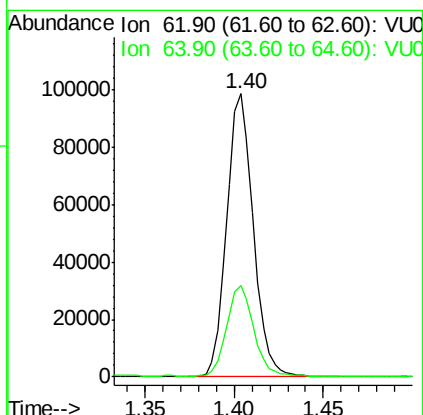
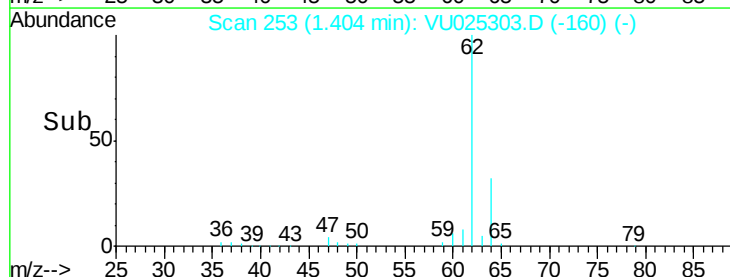
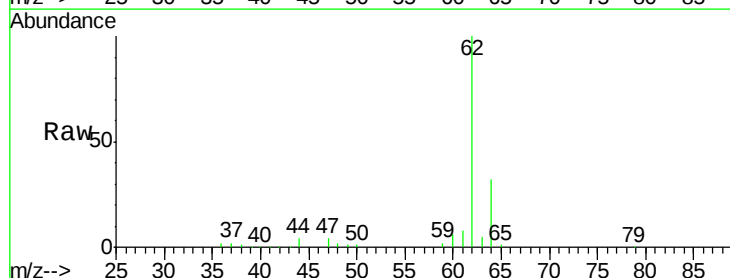
Acq: 10 Jul 2018 20:57

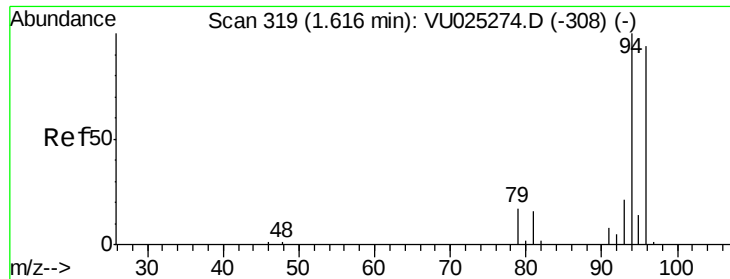
Tgt Ion: 62 Resp: 101650

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 55.00 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 94 Resp: 59260

Ion Ratio Lower Upper

94 100

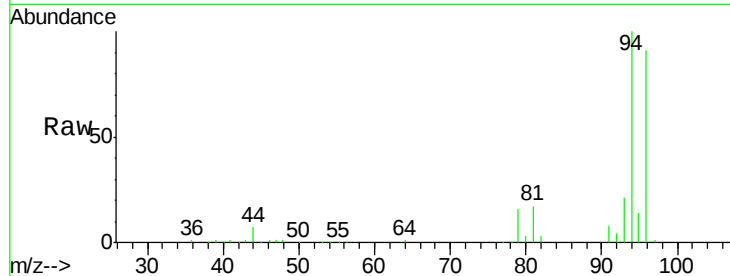
96 91.4 75.0 112.4

Manual Integrations

APPROVED

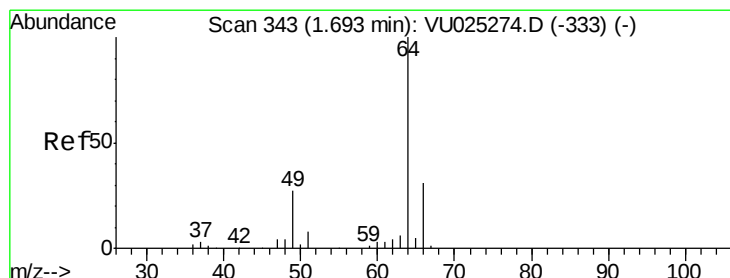
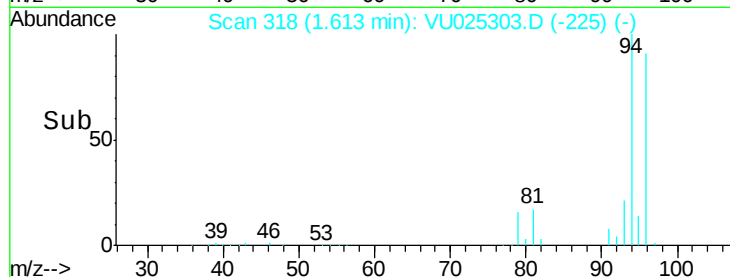
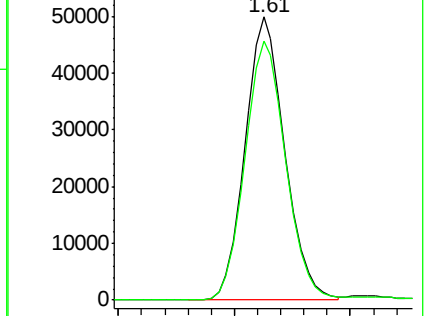
MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.86 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025303.D

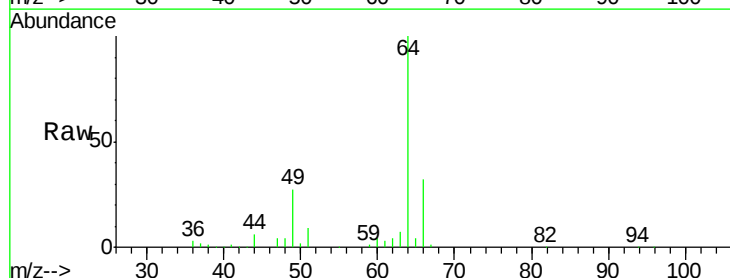
Acq: 10 Jul 2018 20:57

Tgt Ion: 64 Resp: 64863

Ion Ratio Lower Upper

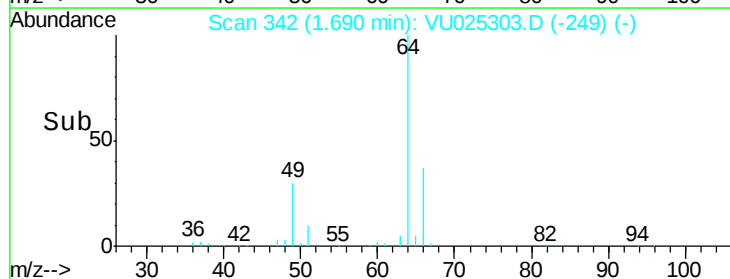
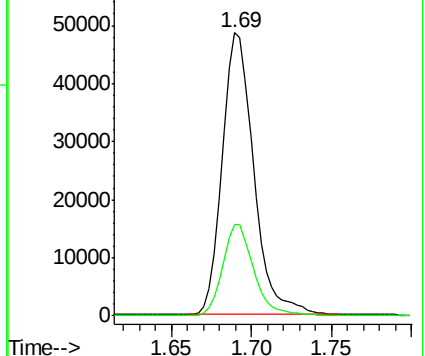
64 100

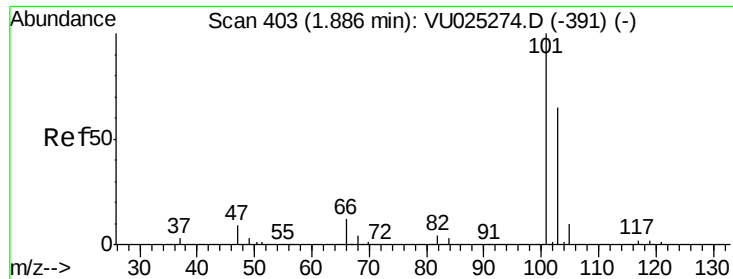
66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

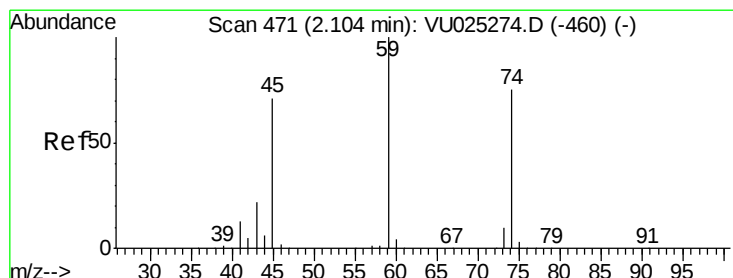
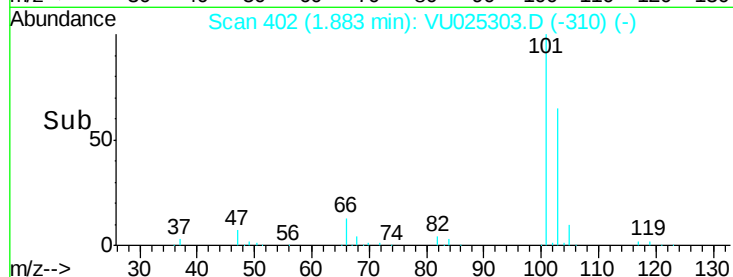
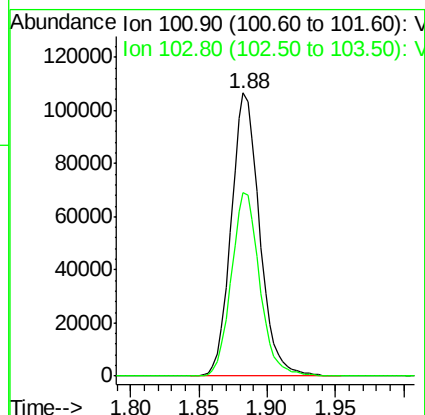
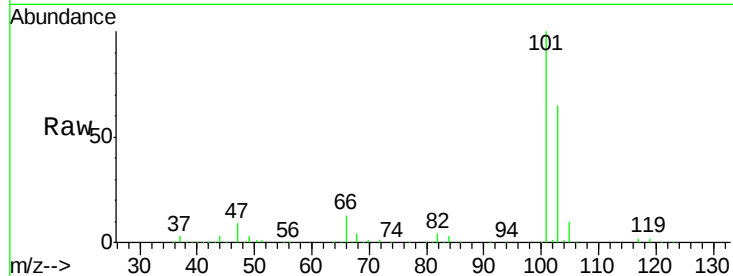
Trichlorofluoromethane
 Concen: 46.16 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.2

Manual Integrations
 APPROVED

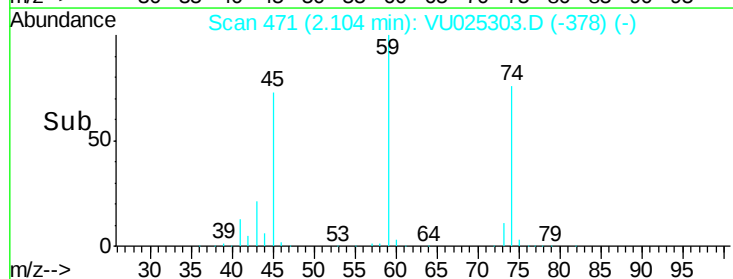
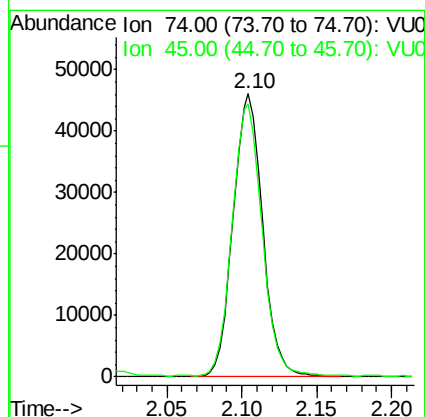
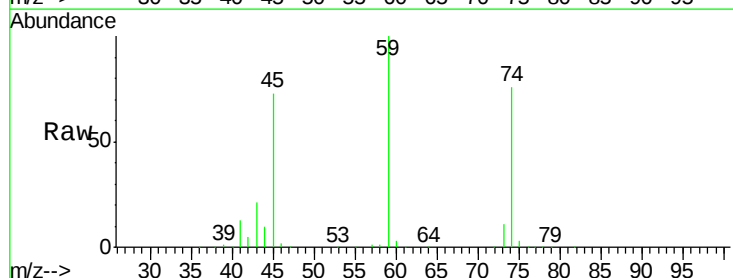
MMDadoda
 7/11/2018 5:05:59 PM

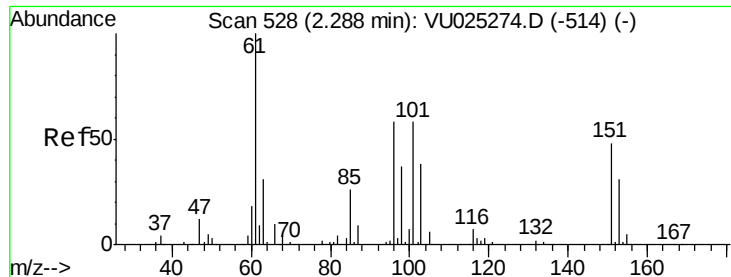


#8

Diethyl Ether
 Concen: 50.45 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.94 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

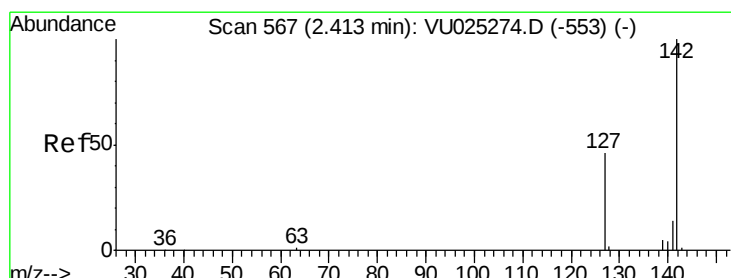
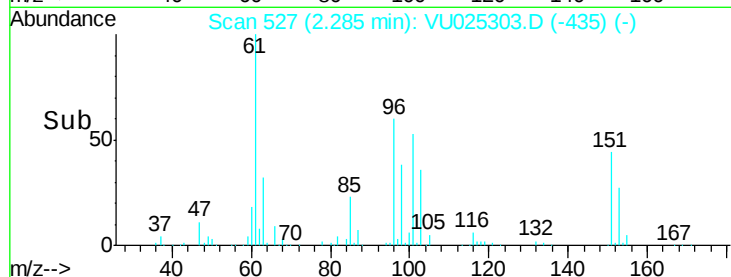
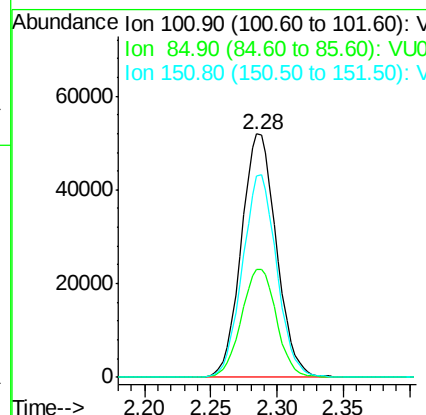
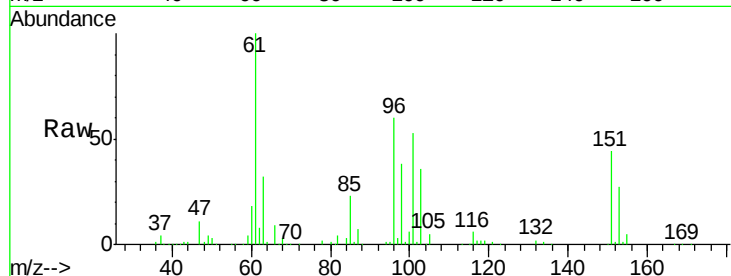
ClientSampleId :

BR-1-070518MSD

Tot Ion:	101	Resp:	95368
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	81.2	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#10

Methyl Iodide

Concen: 41.66 ug/l

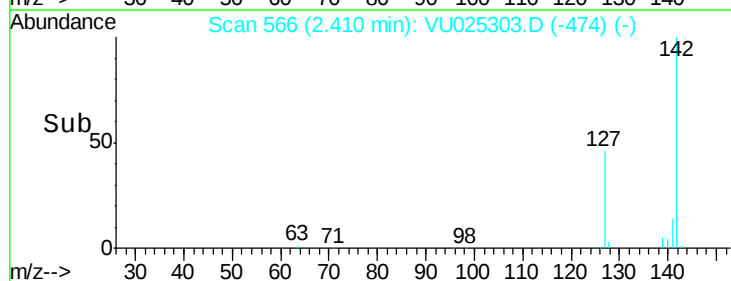
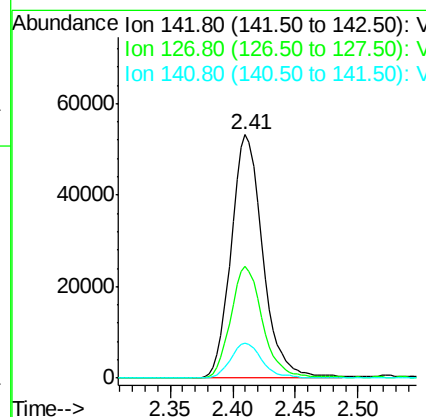
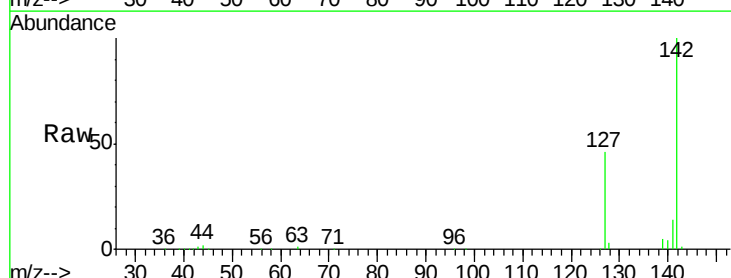
RT: 2.41 min Scan# 566

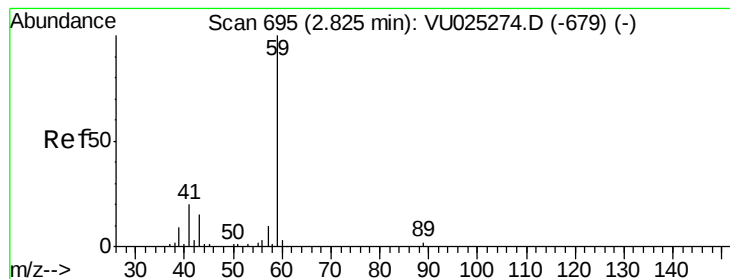
Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	142	Resp:	93260
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.5	54.7
141	14.3	11.4	17.2





#11

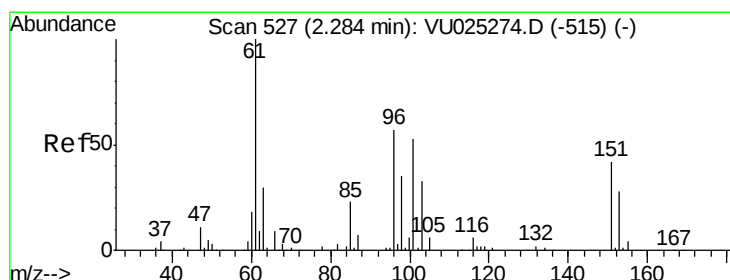
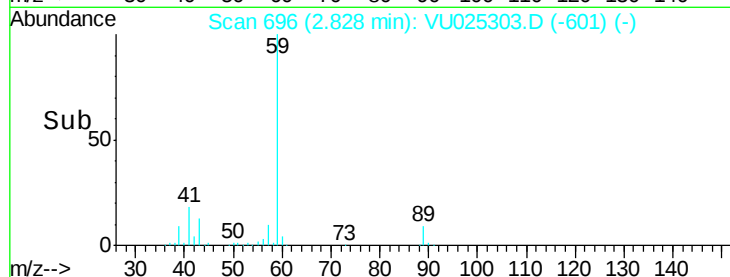
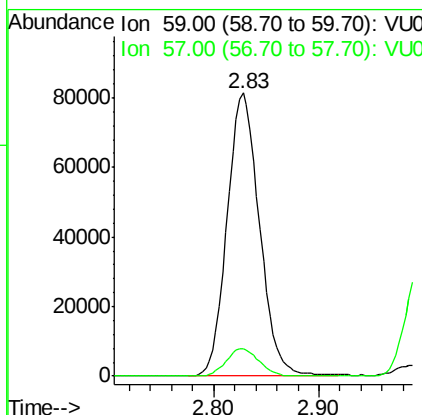
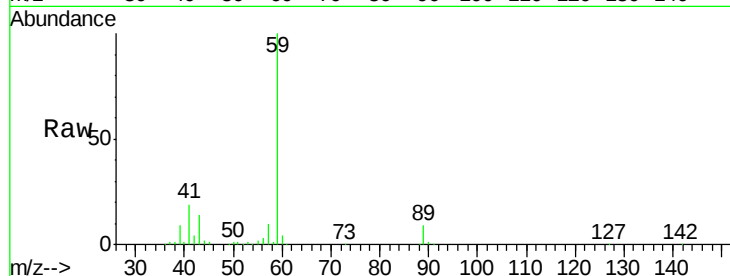
Tert butyl alcohol
 Concen: 272.05 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	59	Resp	172813
Ion Ratio	100	Lower	Upper
57	9.9	8.2	12.2

Manual Integrations
 APPROVED

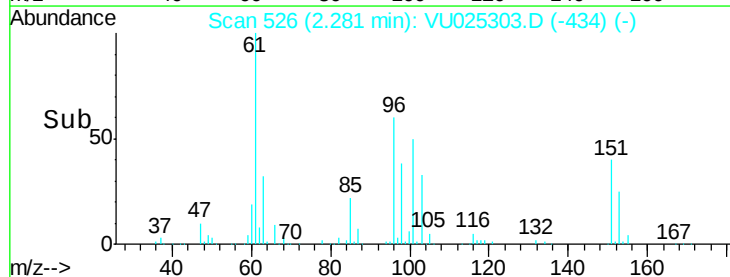
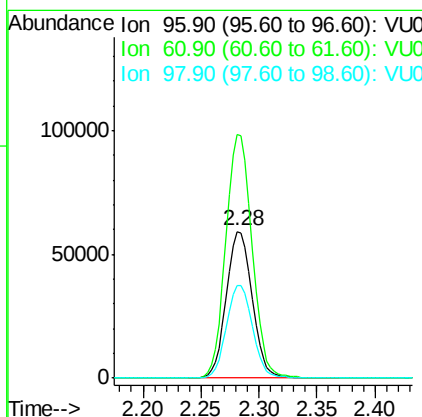
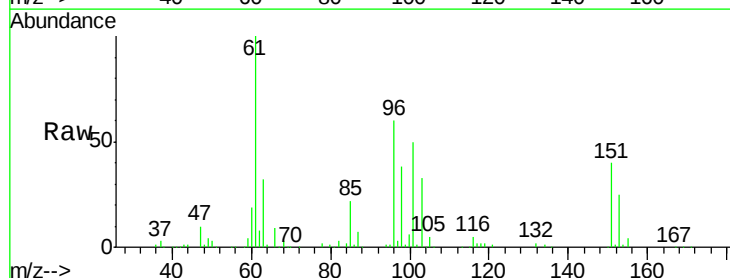
MMDadoda
 7/11/2018 5:05:59 PM

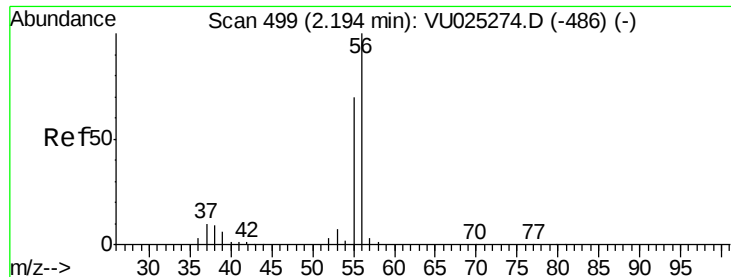


#12

1,1-Dichloroethene
 Concen: 48.16 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	96	Resp	91506
Ion Ratio	100	Lower	Upper
61	166.0	140.2	210.4
98	63.0	49.3	73.9





#13

Acrolein

Concen: 166.13 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 56 Resp: 69815

Ion Ratio Lower Upper

56 100

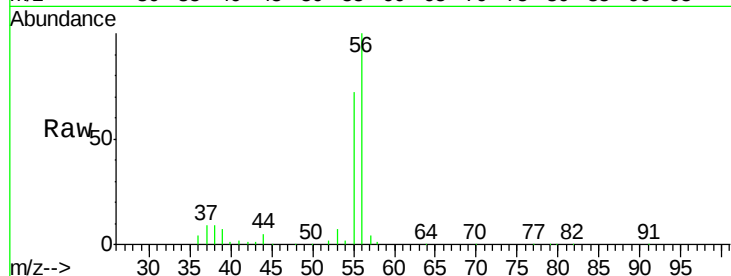
55 69.6 57.2 85.8

Manual Integrations

APPROVED

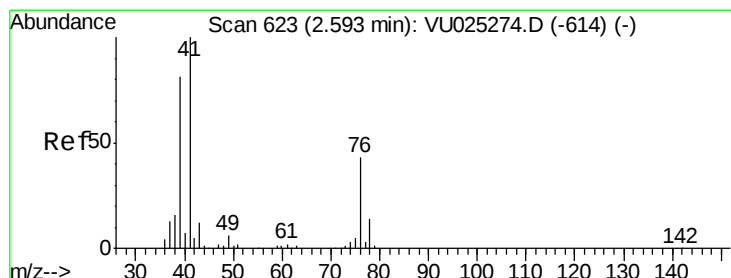
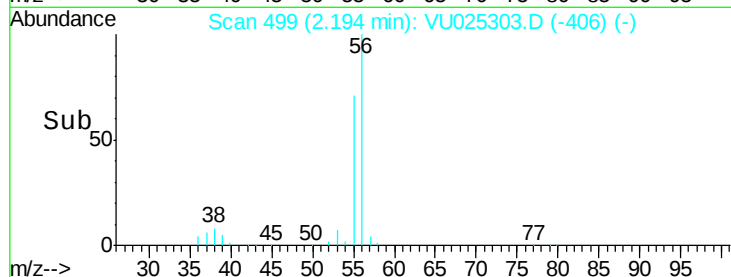
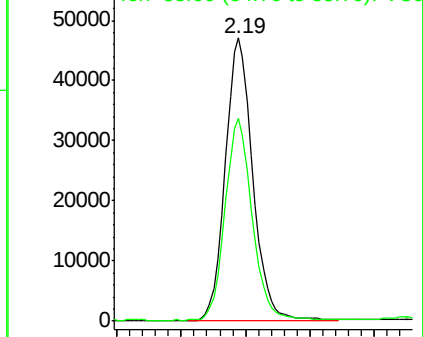
MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 45.36 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

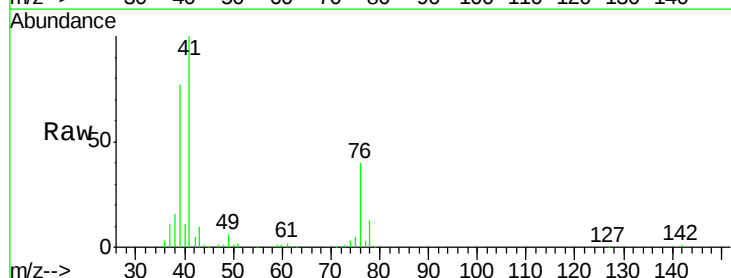
Tgt Ion: 41 Resp: 156284

Ion Ratio Lower Upper

41 100

39 76.9 60.6 91.0

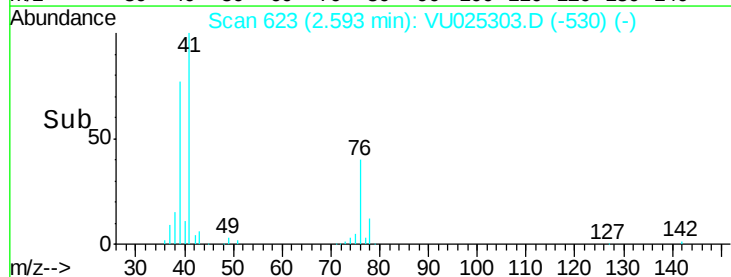
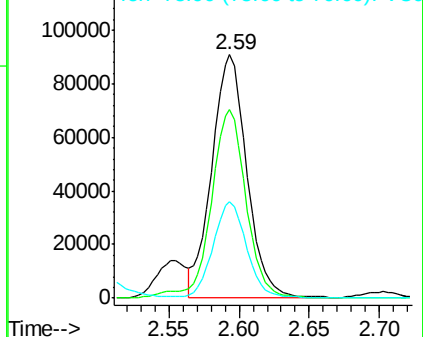
76 38.3 30.5 45.7

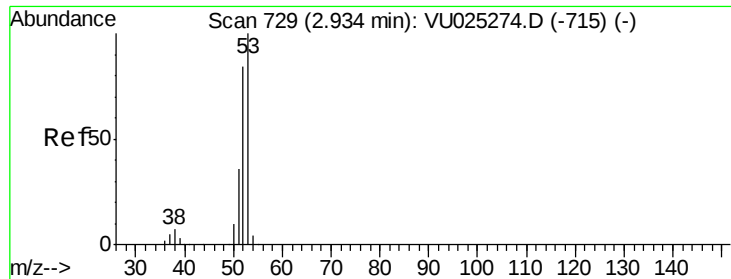


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 265.26 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

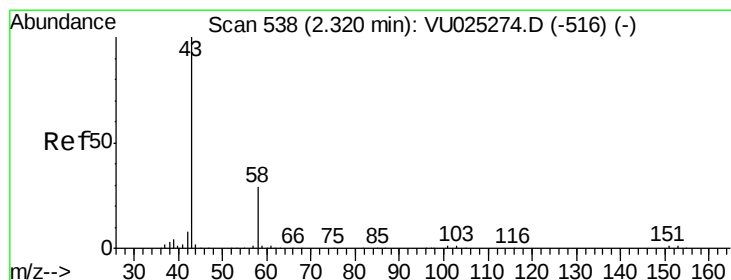
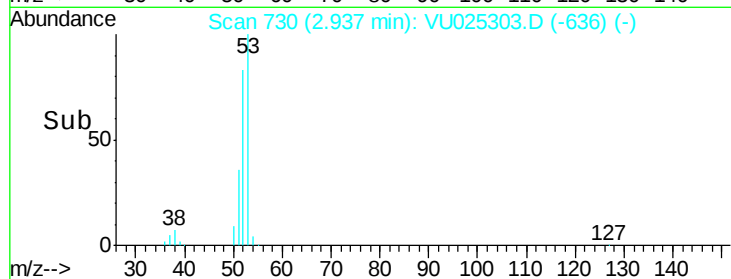
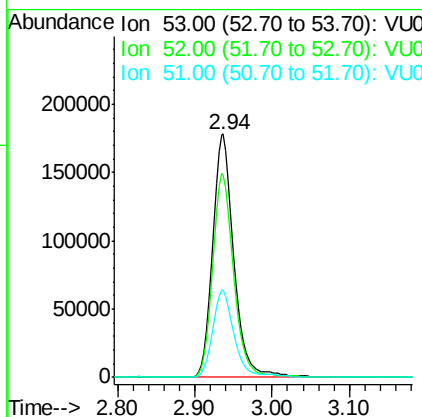
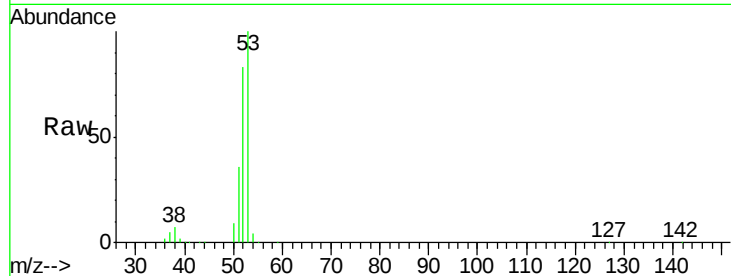
ClientSampleId :

BR-1-070518MSD

Tot Ion:	53	Resp:	346430
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.6	99.8
51	35.5	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#16

Acetone

Concen: 219.04 ug/l

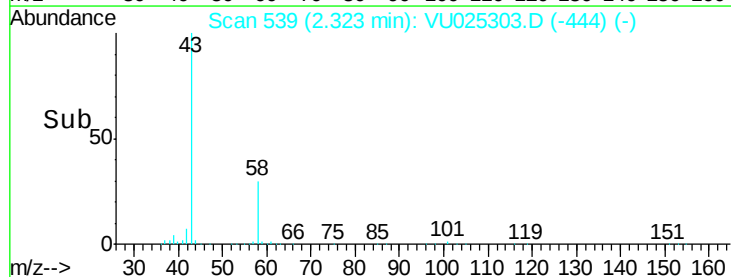
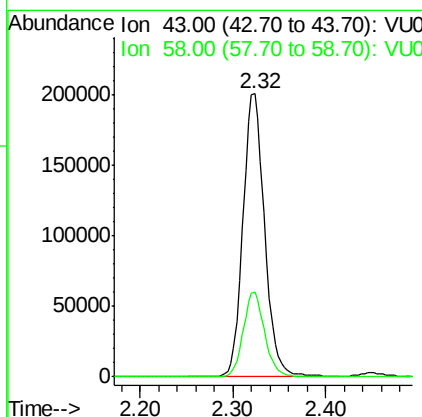
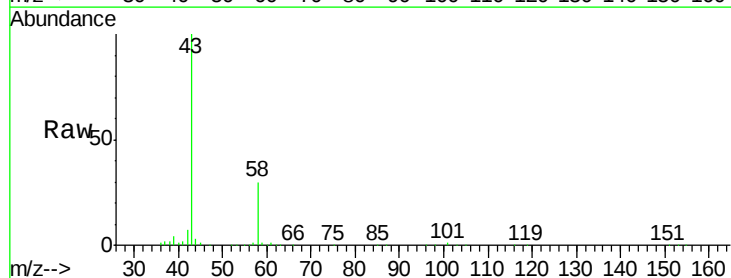
RT: 2.32 min Scan# 539

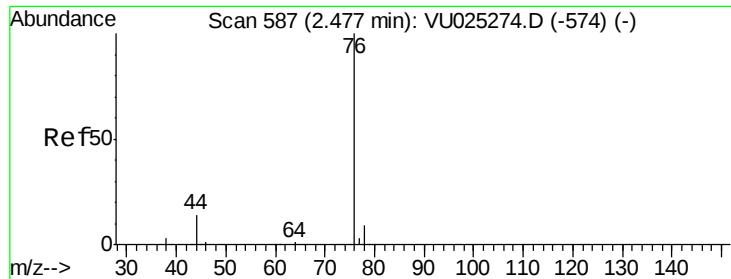
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	43	Resp:	324558
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.1	34.7





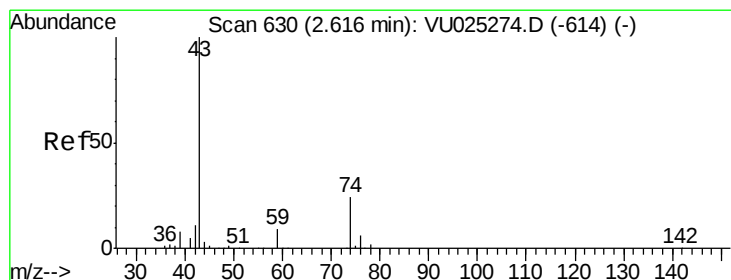
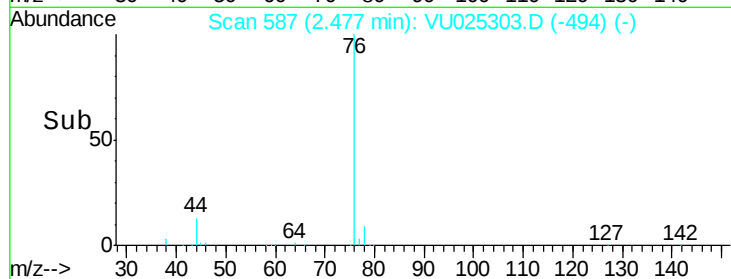
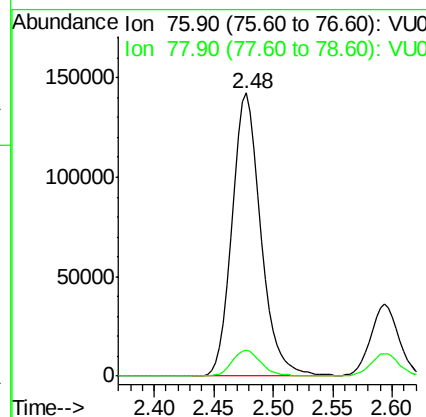
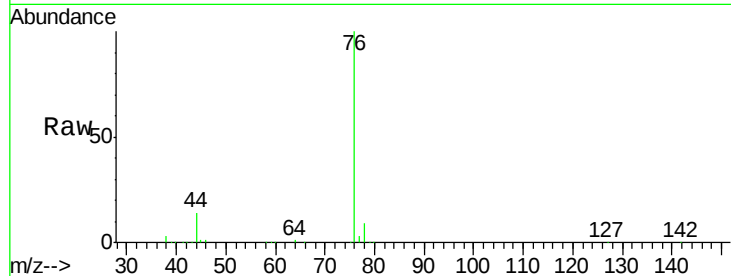
#17
Carbon Disulfide
Concen: 43.34 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

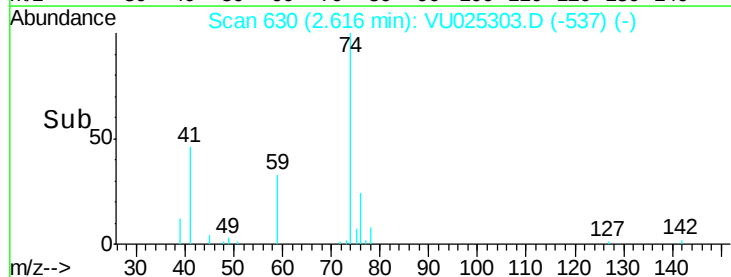
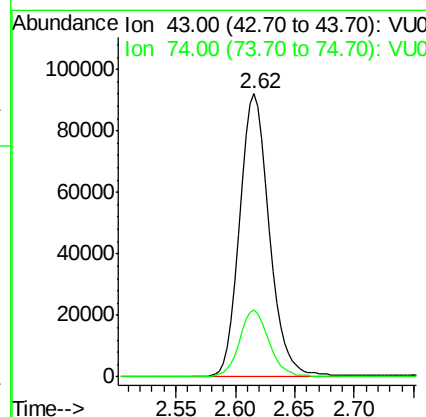
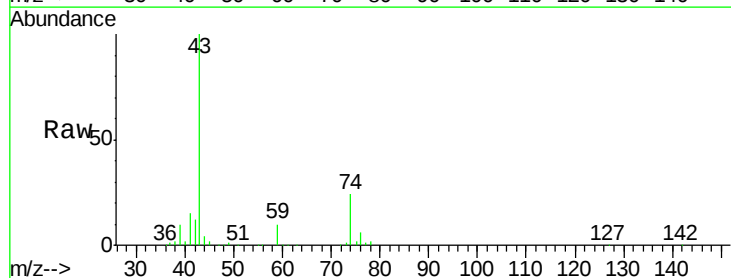
Manual Integrations
APPROVED

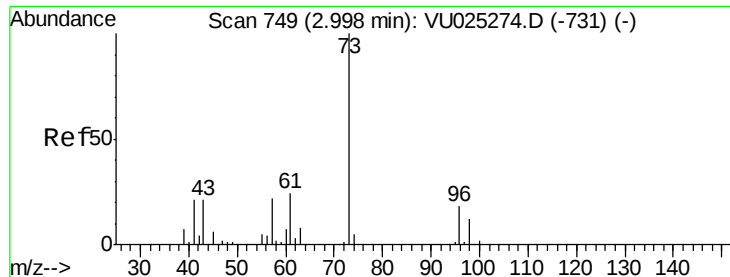
MMDadoda
7/11/2018 5:05:59 PM



#18
Methyl Acetate
Concen: 53.09 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





#19

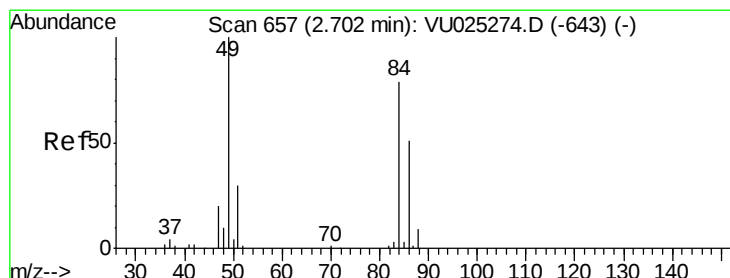
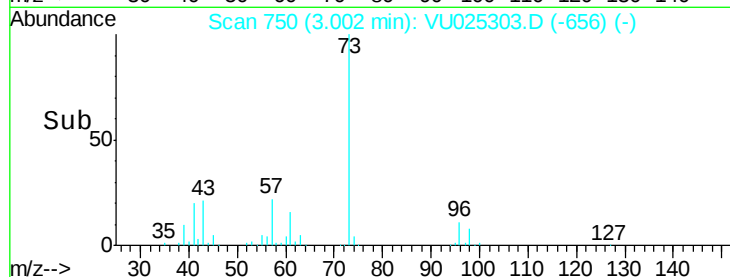
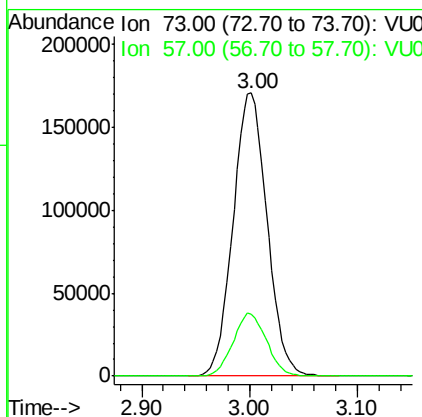
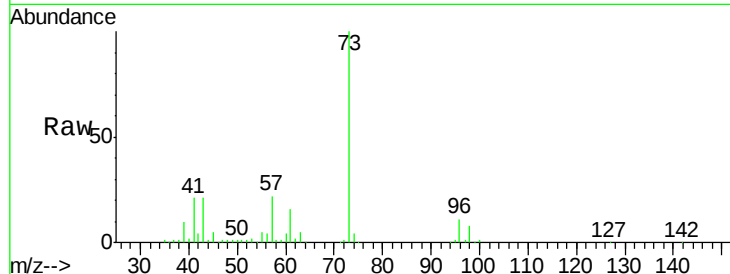
Methyl tert-butyl Ether
 Concen: 51.97 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

Manual Integrations
 APPROVED

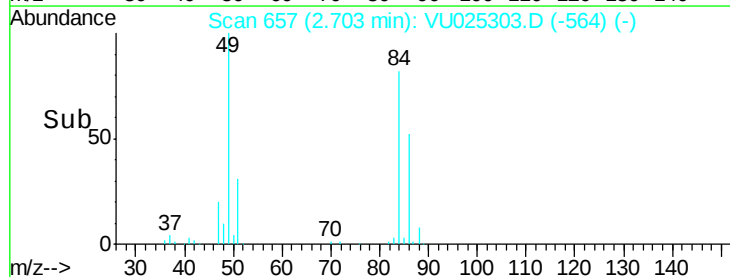
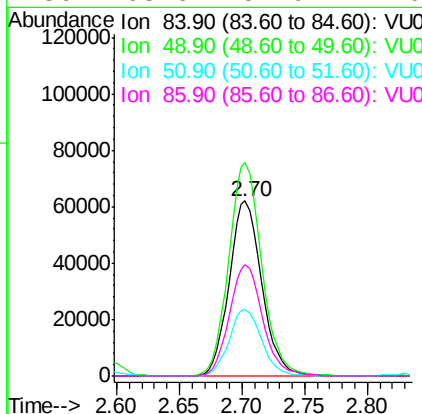
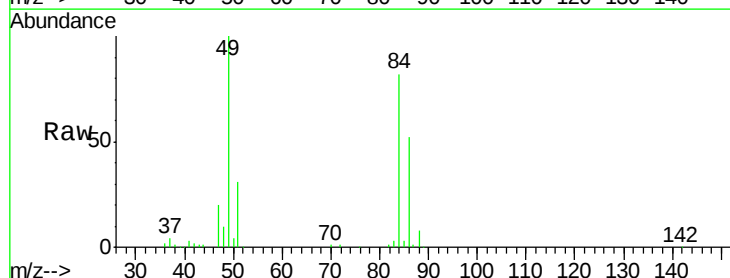
MMDadoda
 7/11/2018 5:05:59 PM

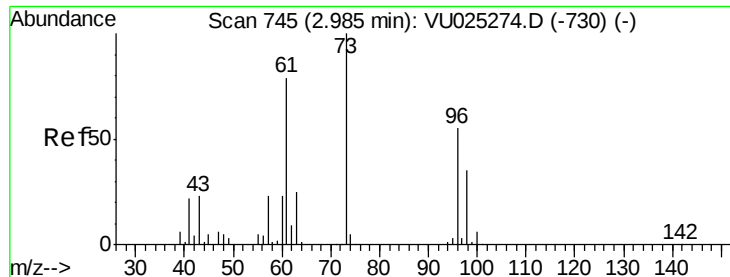


#20

Methylene Chloride
 Concen: 49.84 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.2	101.8	152.6
51	37.7	30.8	46.2
86	63.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 46.65 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 96 Resp: 101275

Ion Ratio Lower Upper

96 100

61 145.5 114.5 171.7

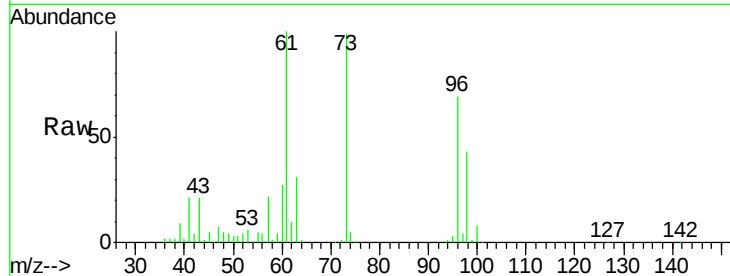
98 63.2 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

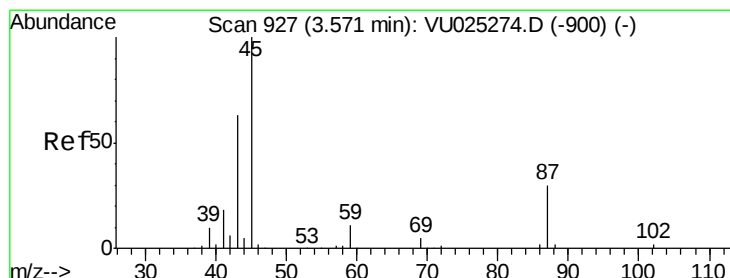
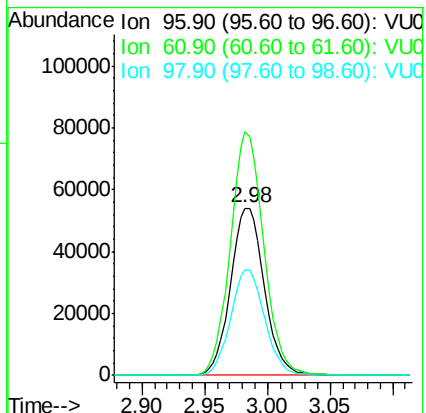
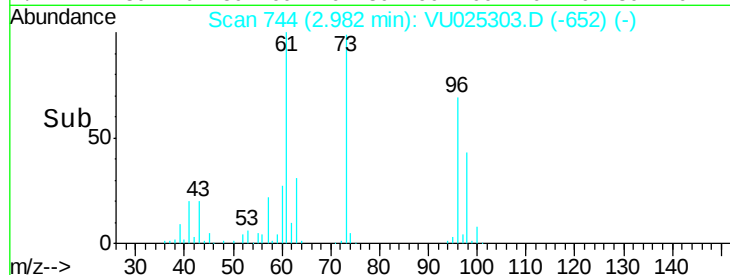
7/11/2018 5:05:59 PM



Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-730) (-)

Ion 60.90 (60.60 to 61.60): VU025274.D (-730) (-)

Ion 97.90 (97.60 to 98.60): VU025274.D (-730) (-)



#22

Diisopropyl ether

Concen: 50.81 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion: 45 Resp: 357502

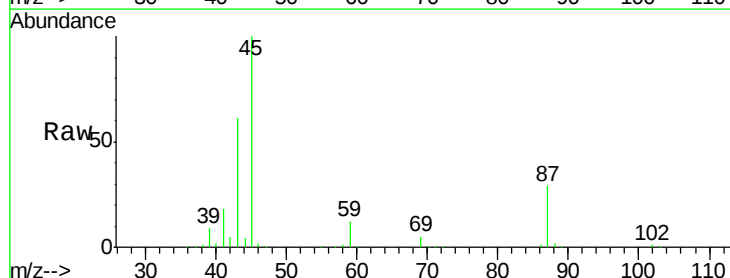
Ion Ratio Lower Upper

45 100

43 59.7 50.9 76.3

87 29.0 23.8 35.8

59 11.5 9.0 13.4

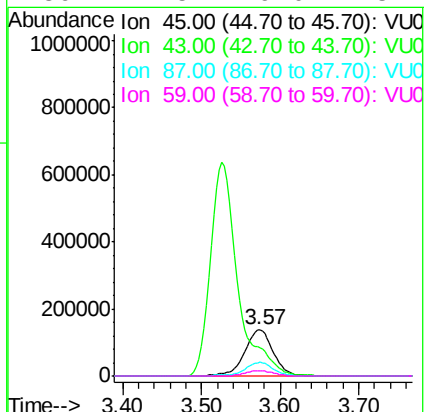
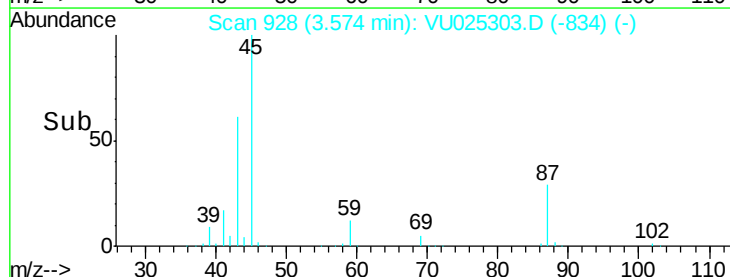


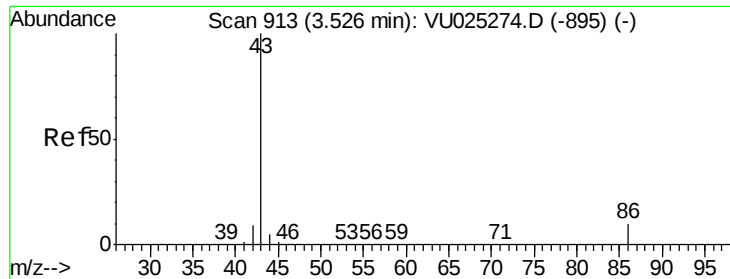
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025274.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025274.D (-900) (-)





#23

Vinyl Acetate

Concen: 248.04 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 43 Resp: 1531061

Ion Ratio Lower Upper

43 100

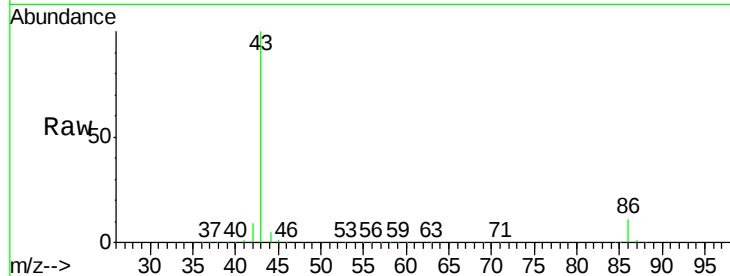
86 10.5 8.2 12.2

Manual Integrations

APPROVED

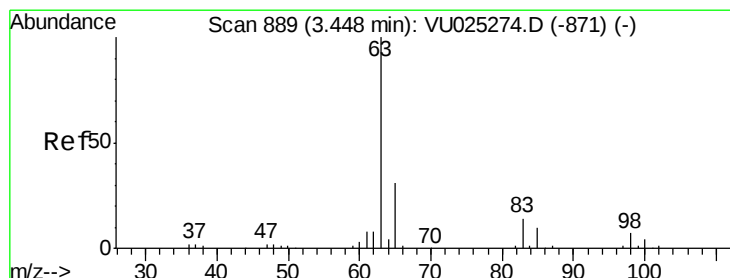
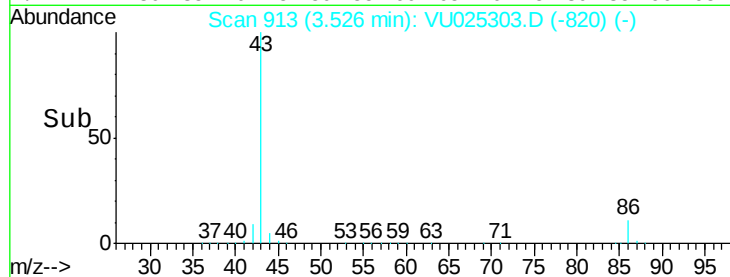
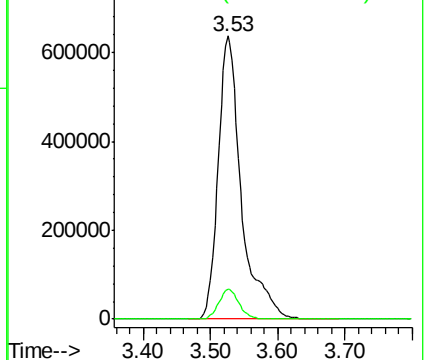
MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.64 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

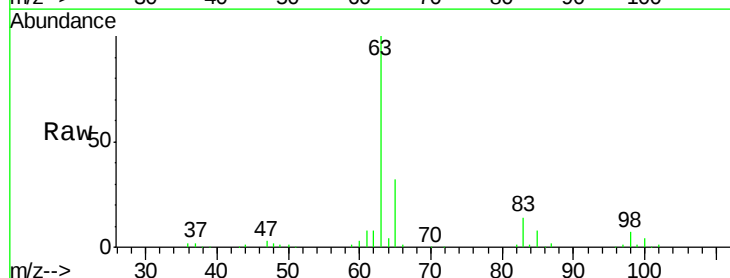
Tgt Ion: 63 Resp: 200939

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

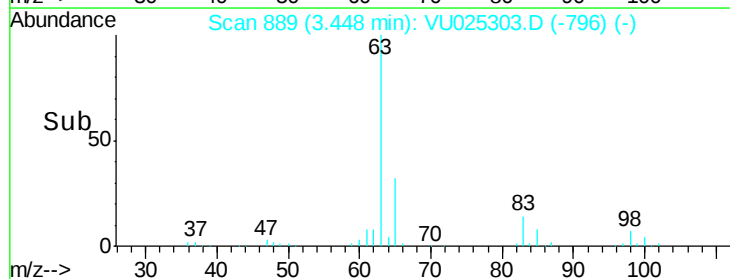
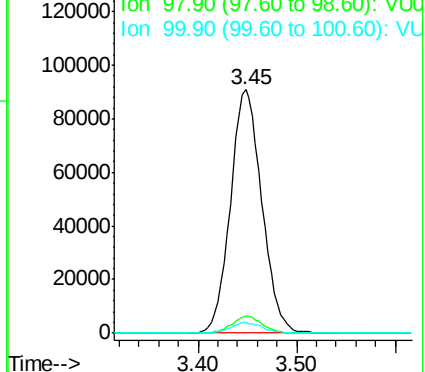
100 4.2 2.0 6.0

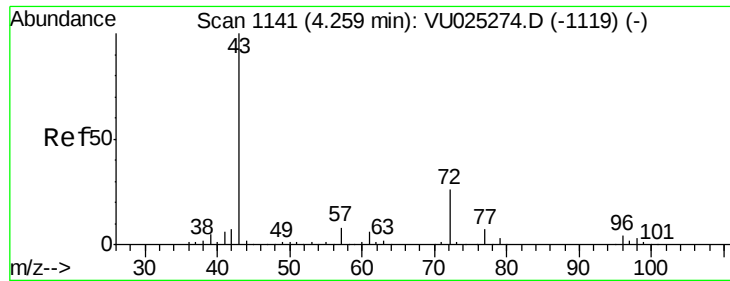


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





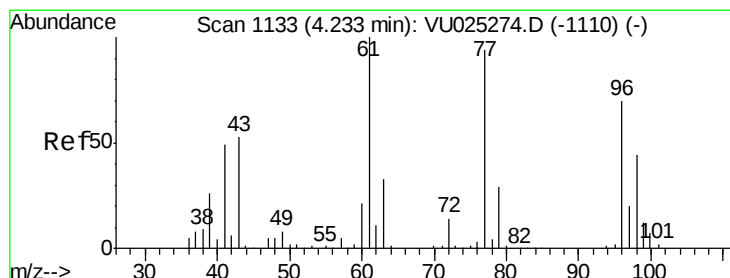
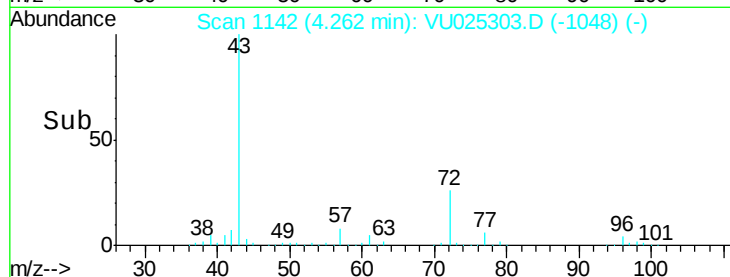
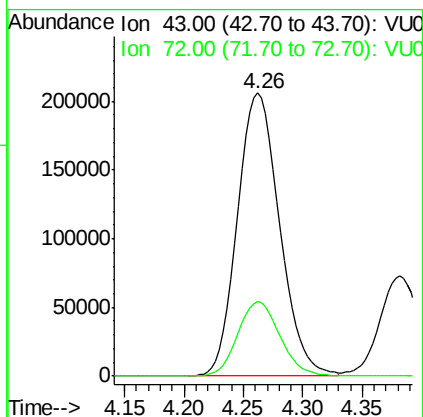
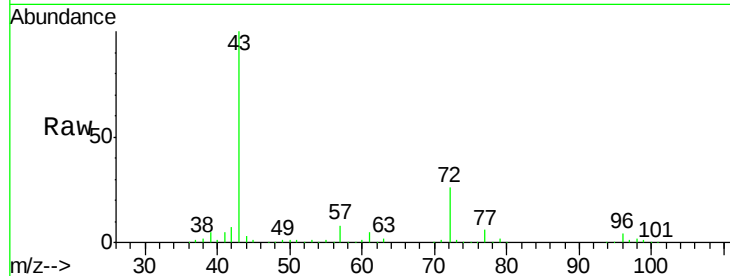
#25
2-Butanone
Concen: 249.46 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion: 43 Resp: 503476
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.4

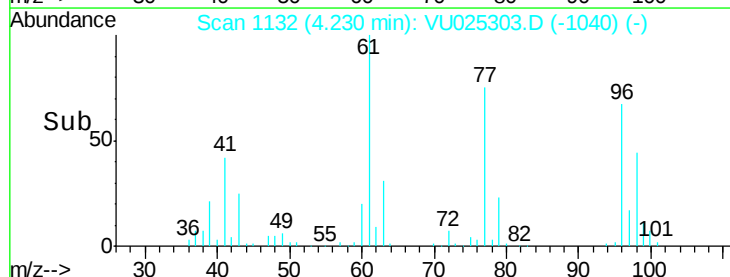
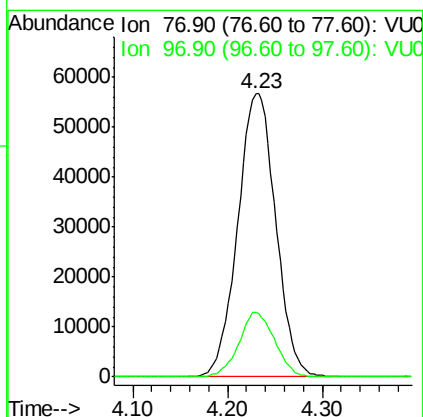
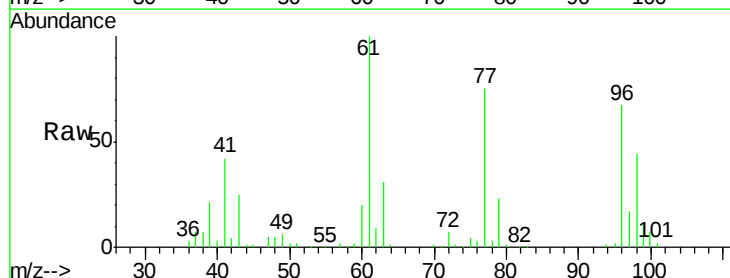
Manual Integrations
APPROVED

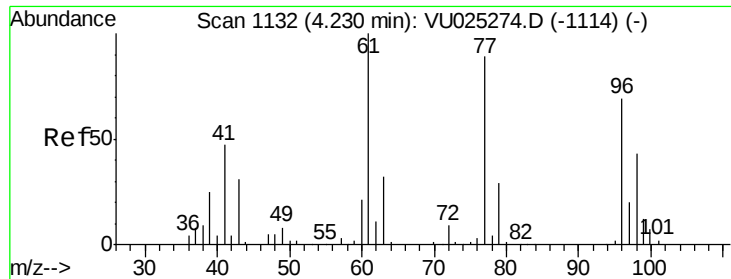
MMDadoda
7/11/2018 5:05:59 PM



#26
2,2-Dichloropropane
Concen: 41.34 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 77 Resp: 157726
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.14 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

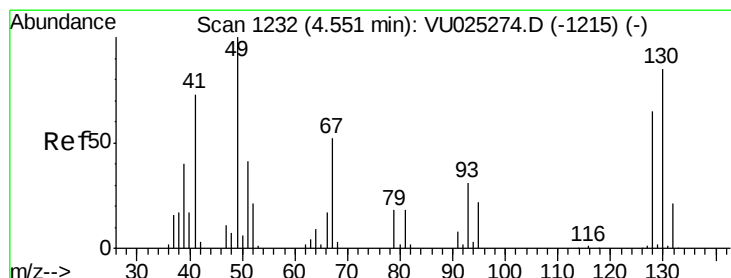
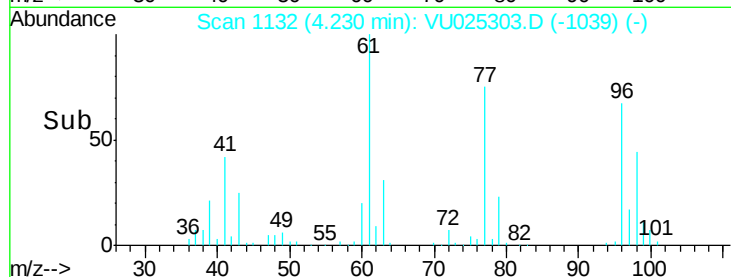
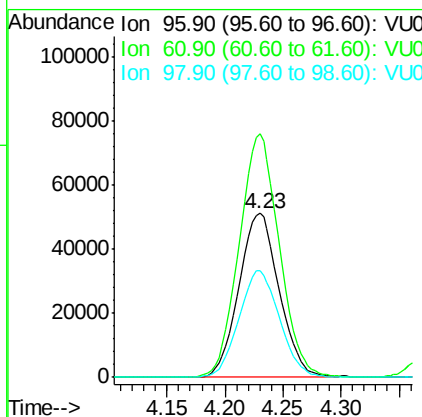
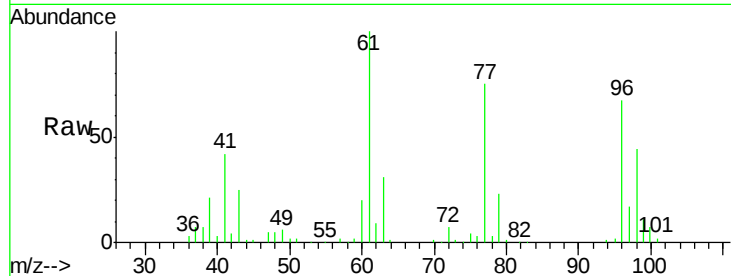
ClientSampleId :

BR-1-070518MSD

Tot Ion:	96	Resp:	123441
Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	299.8
98	65.7	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#28

Bromochloromethane

Concen: 48.94 ug/l

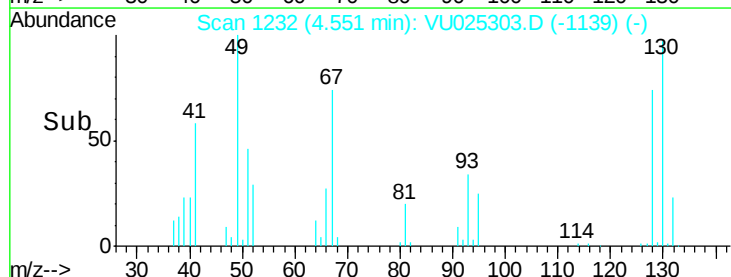
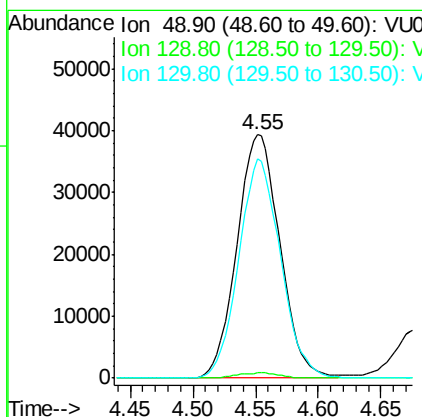
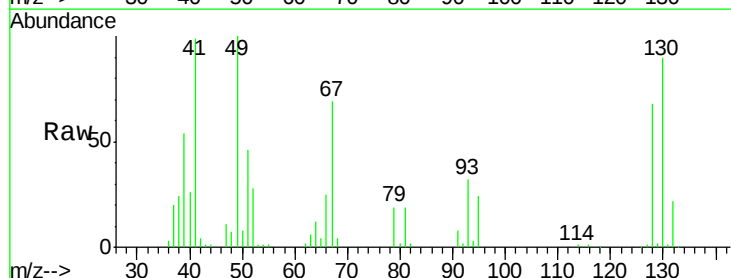
RT: 4.55 min Scan# 1232

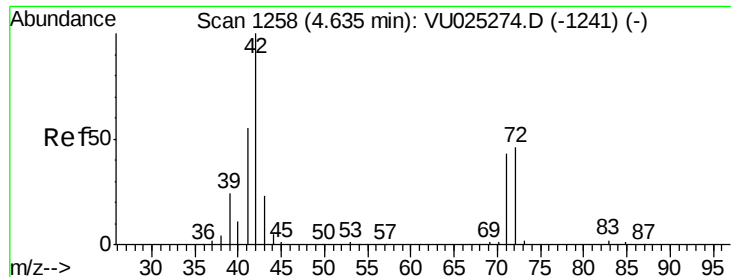
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	49	Resp:	93775
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	87.5	68.6	102.8





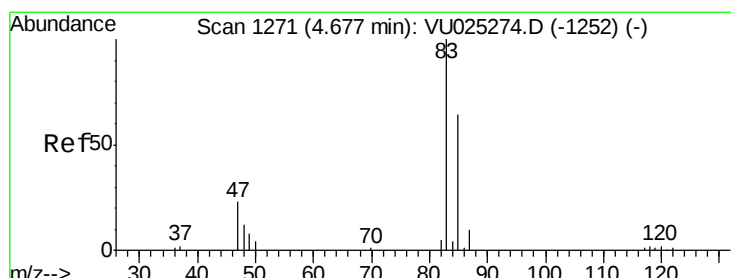
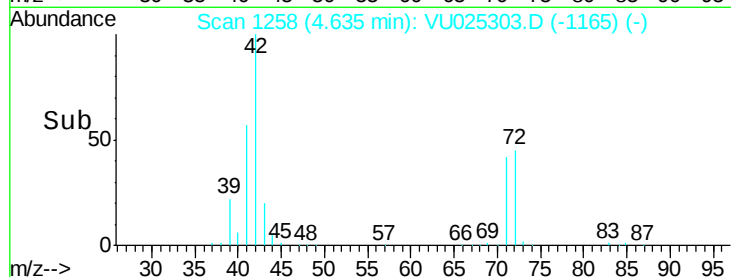
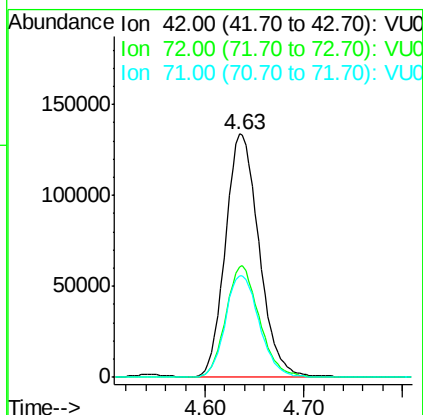
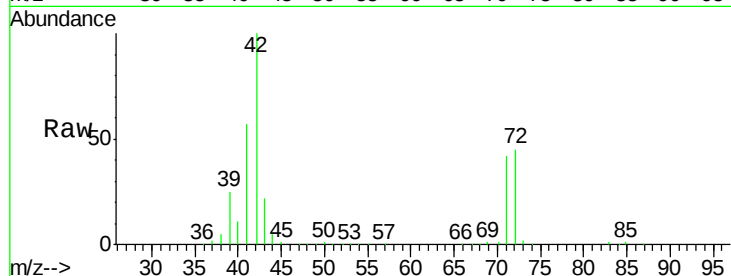
#29
Tetrahydrofuran
Concen: 262.04 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.7	55.1
71	42.3	33.9	50.9

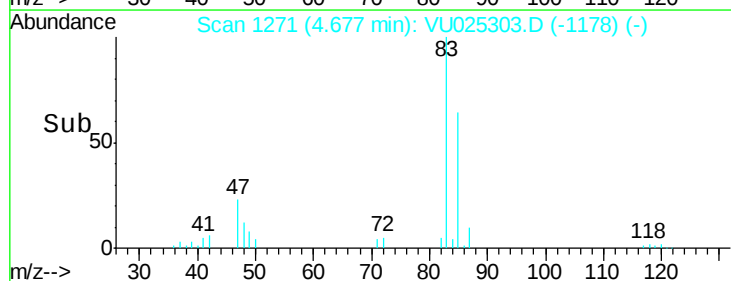
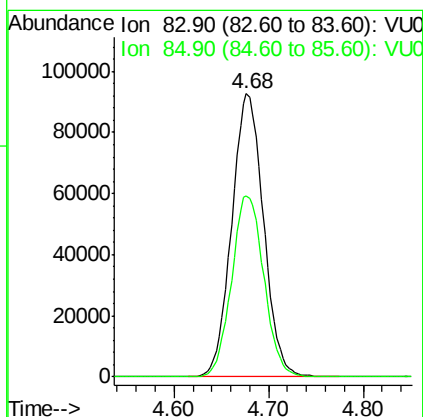
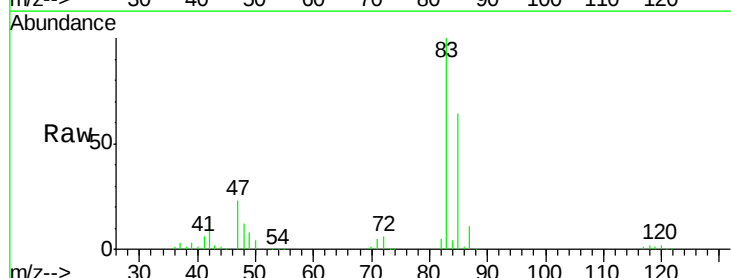
Manual Integrations
APPROVED

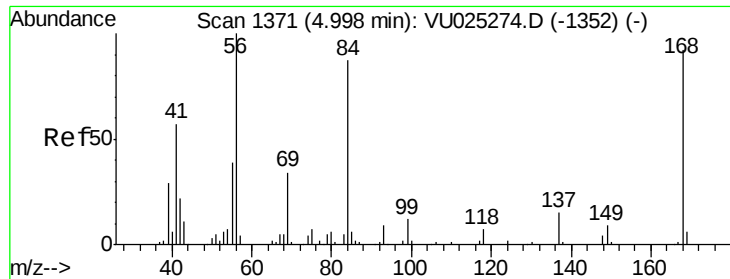
MMDadoda
7/11/2018 5:05:59 PM



#30
Chloroform
Concen: 51.57 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





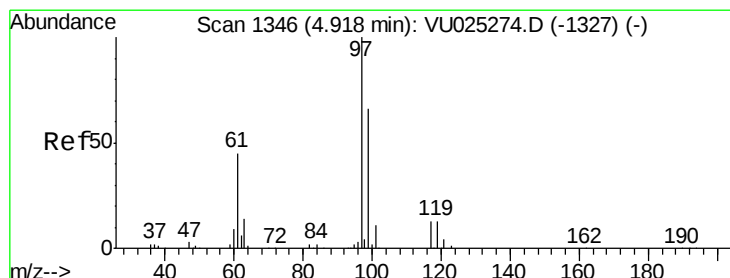
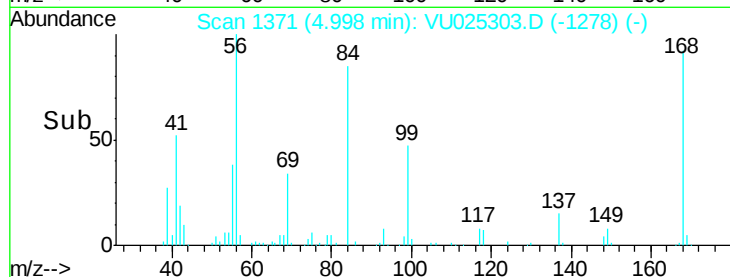
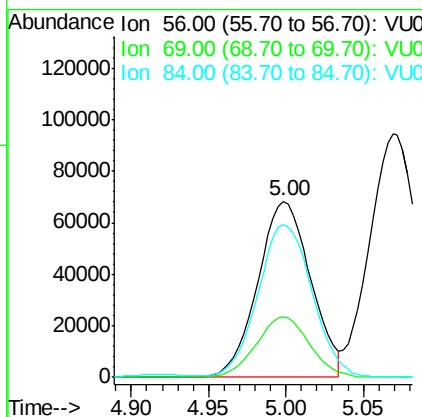
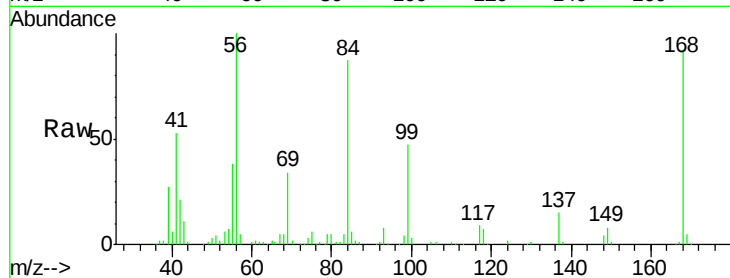
#31
Cyclohexane
Concen: 44.28 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.8	40.2
84	85.9	69.7	104.5

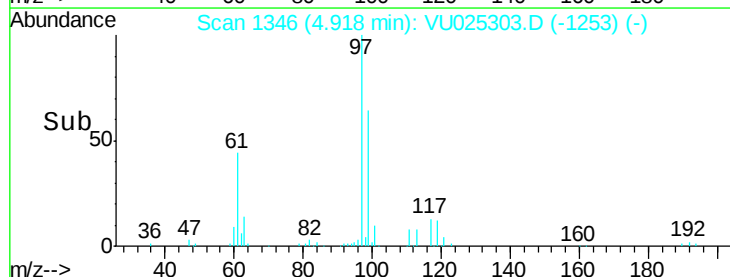
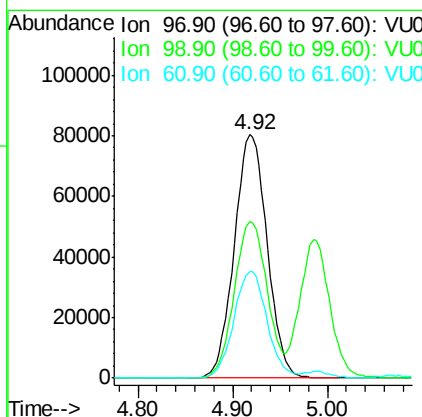
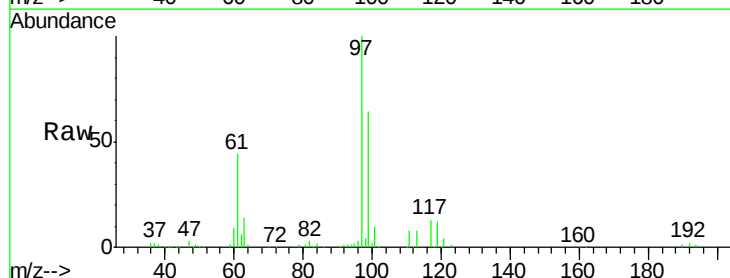
Manual Integrations
APPROVED

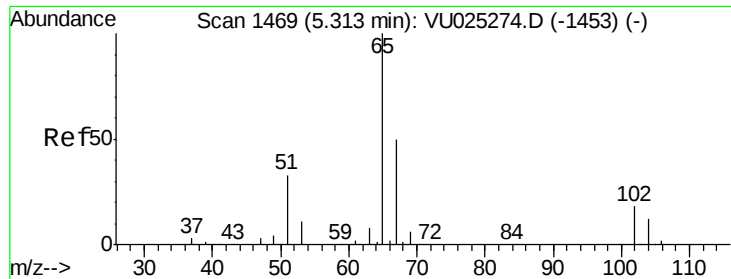
MMDadoda
7/11/2018 5:05:59 PM



#32
1,1,1-Trichloroethane
Concen: 50.96 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	44.4	35.2	52.8





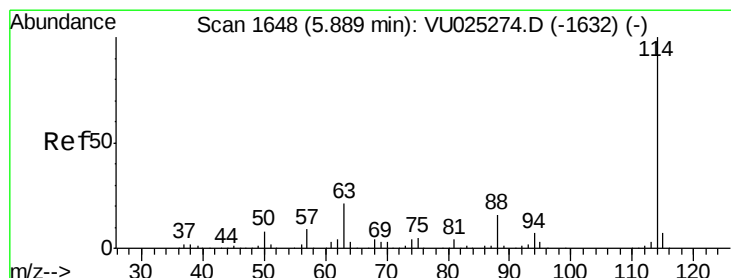
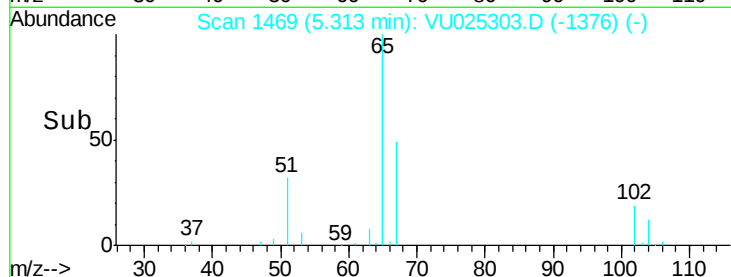
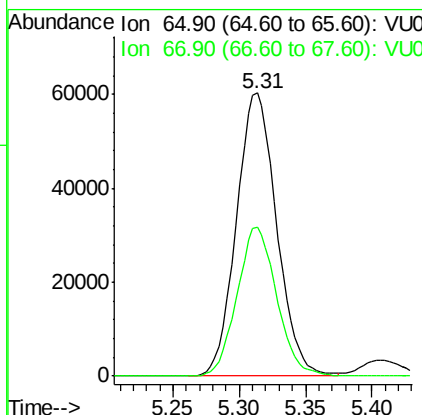
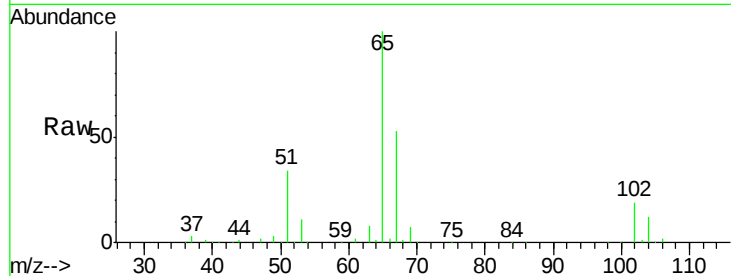
#33
 1,2-Dichloroethane-d4
 Concen: 43.69 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127231		
67	51.8	0.0	103.6	

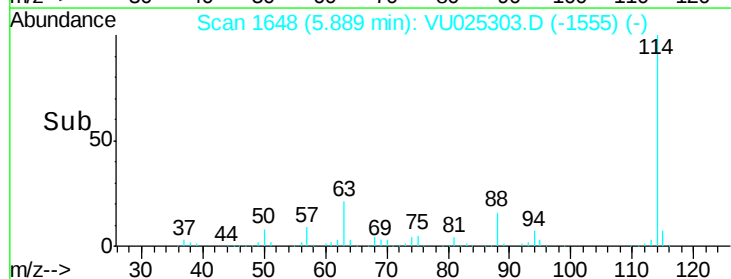
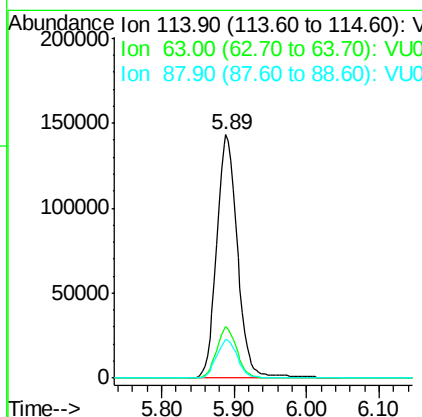
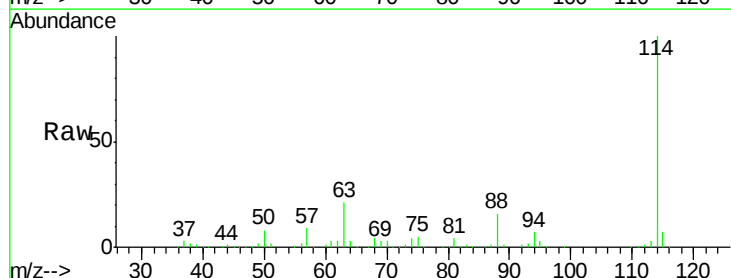
Manual Integrations
 APPROVED

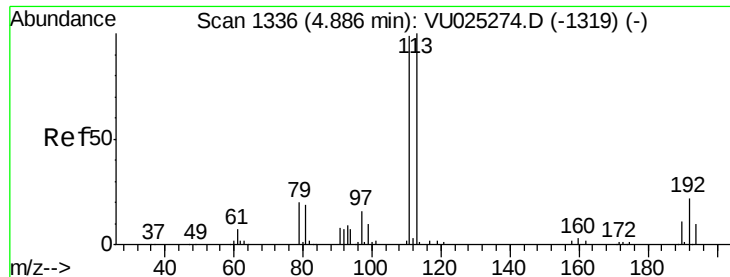
MMDadoda
 7/11/2018 5:05:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	285025		
63	21.0	0.0	41.6	
88	16.0	0.0	32.4	





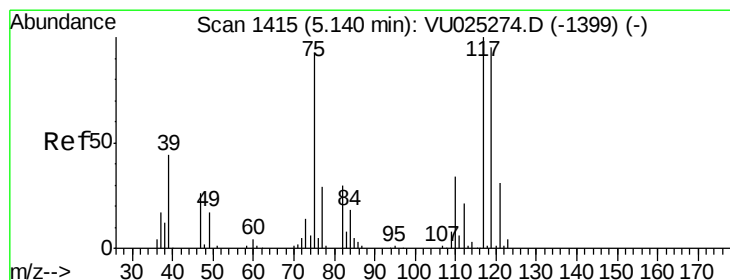
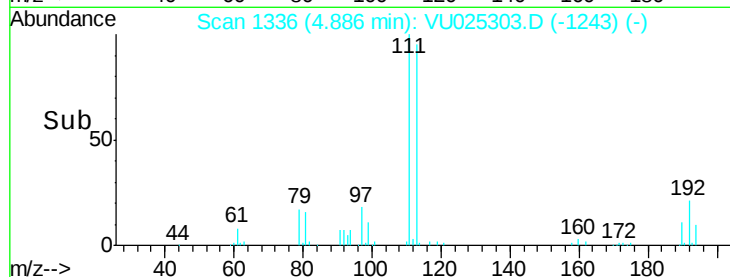
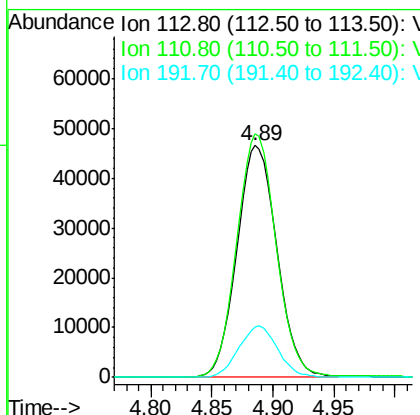
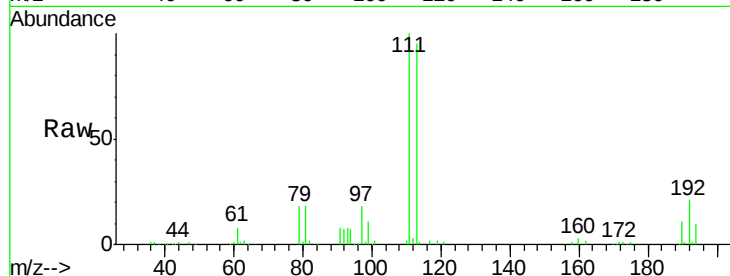
#35
 Dibromofluoromethane
 Concen: 43.99 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	81.7	122.5	
192	21.5	17.1	25.7	

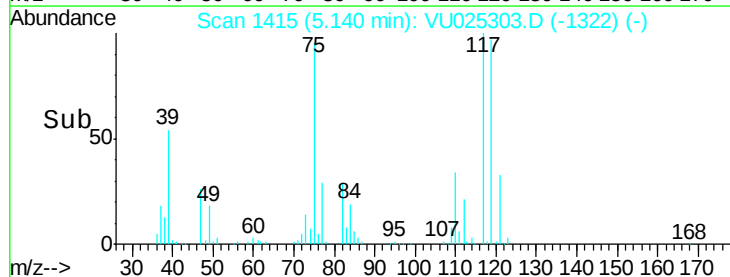
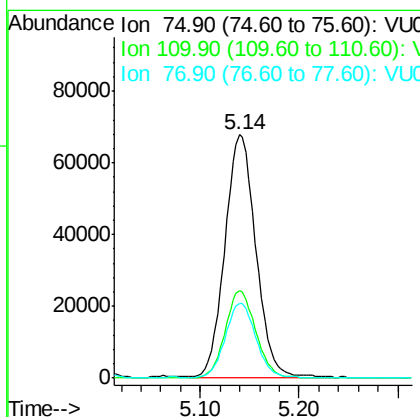
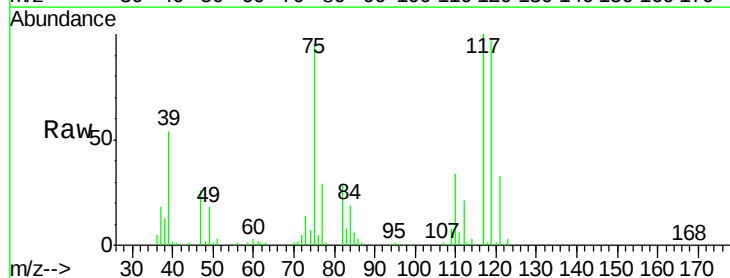
Manual Integrations
 APPROVED

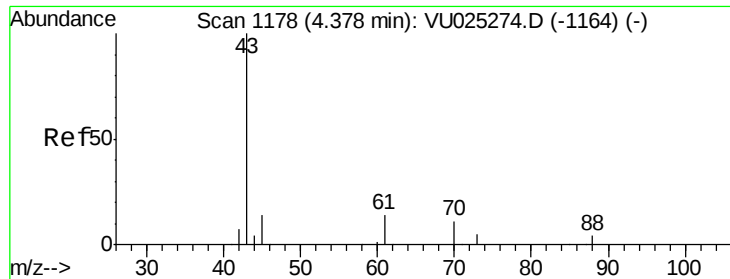
MMDadoda
 7/11/2018 5:05:59 PM



#36
 1,1-Dichloropropene
 Concen: 46.52 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	17.6	52.9	
77	31.2	24.4	36.6	





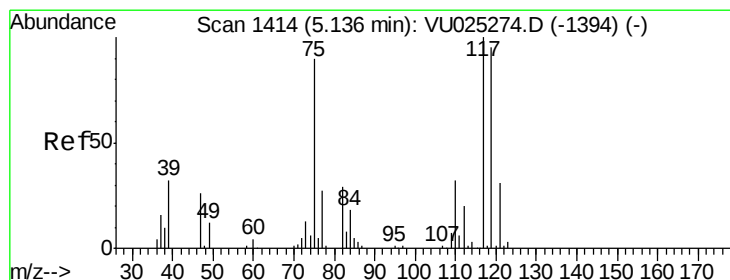
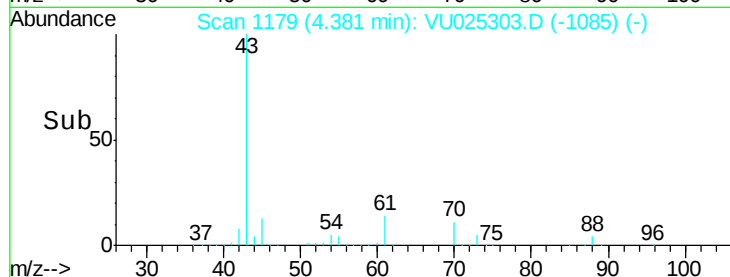
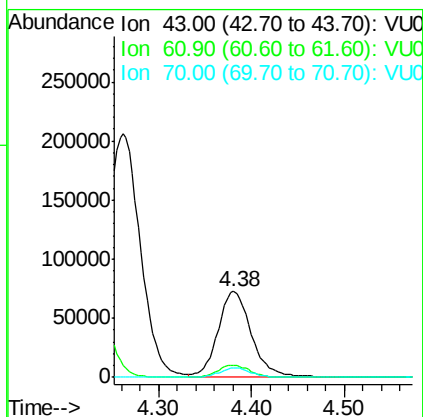
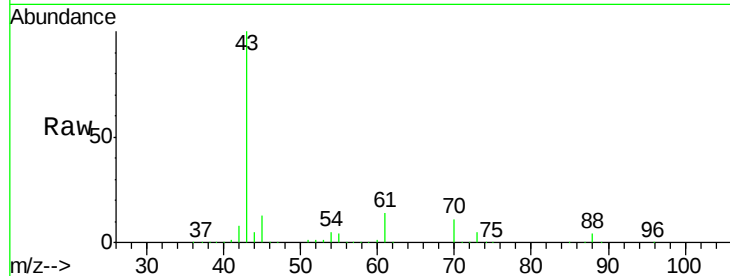
#37
Ethyl Acetate
Concen: 50.35 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.6	8.4	12.6

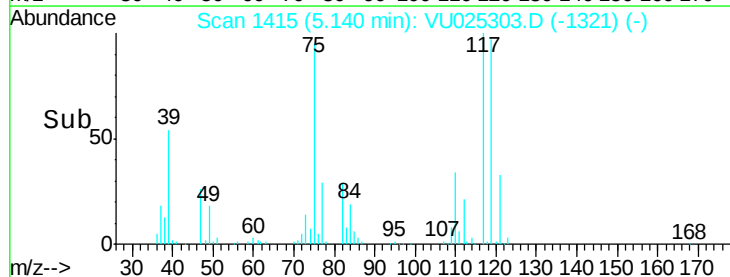
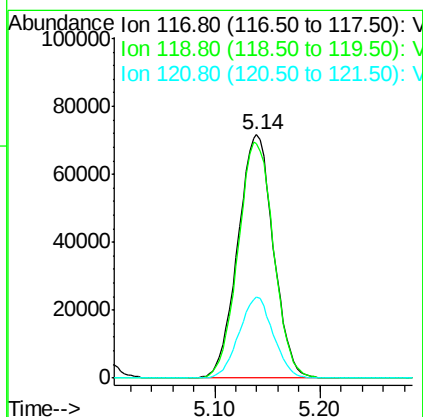
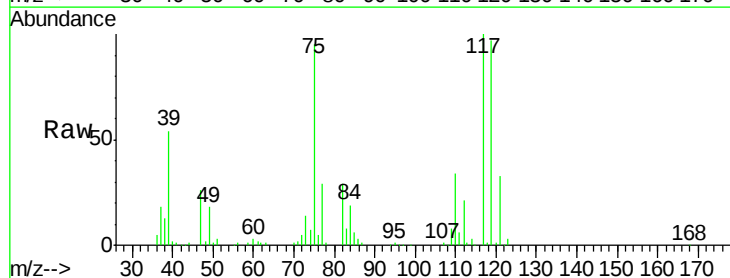
Manual Integrations
APPROVED

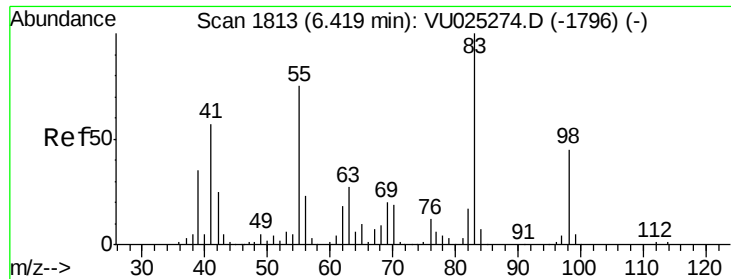
MMDadoda
7/11/2018 5:05:59 PM



#38
Carbon Tetrachloride
Concen: 49.17 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.7	113.5
121	33.5	24.6	36.8





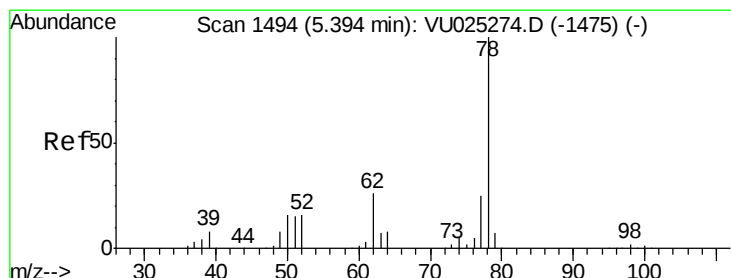
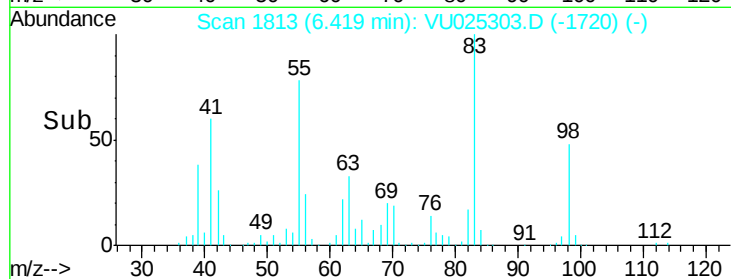
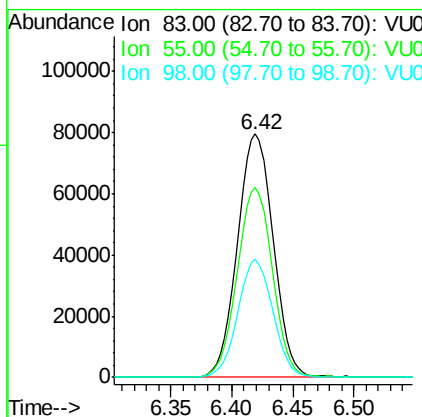
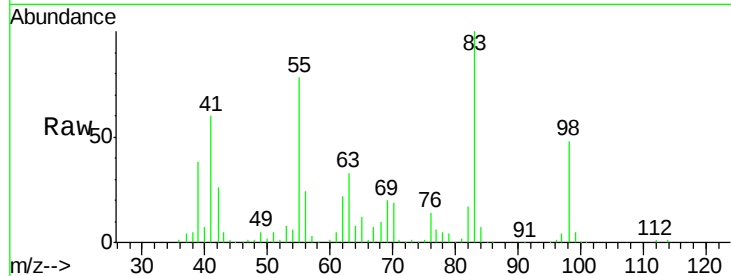
#39
Methvlcvclohexane
Concen: 40.93 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.0	90.0
98	48.3	36.1	54.1

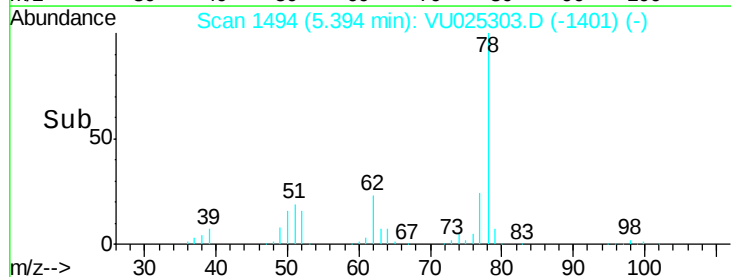
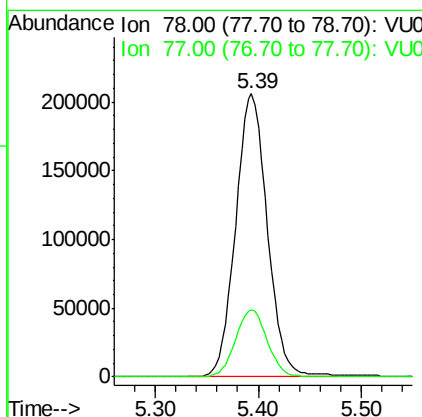
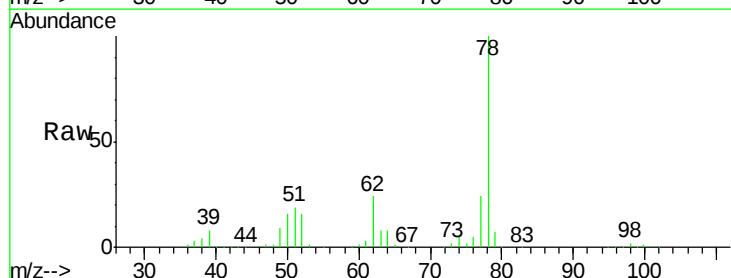
Manual Integrations
APPROVED

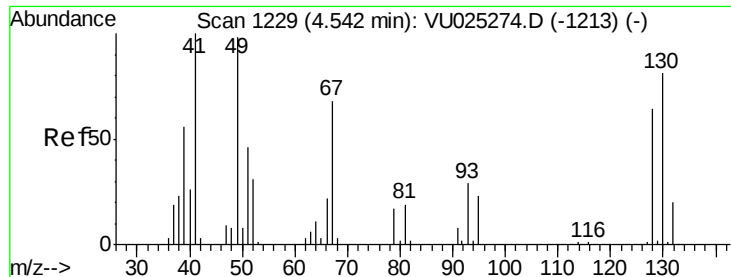
MMDadoda
7/11/2018 5:05:59 PM



#40
Benzene
Concen: 48.23 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





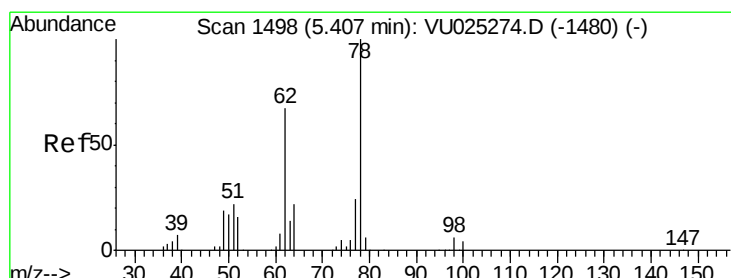
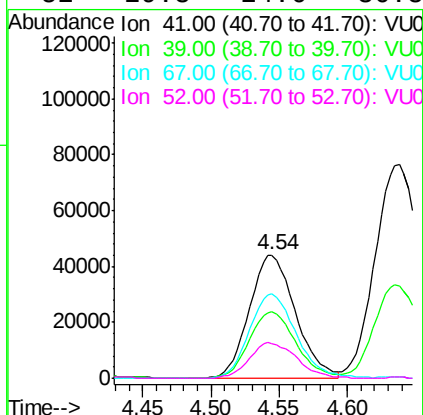
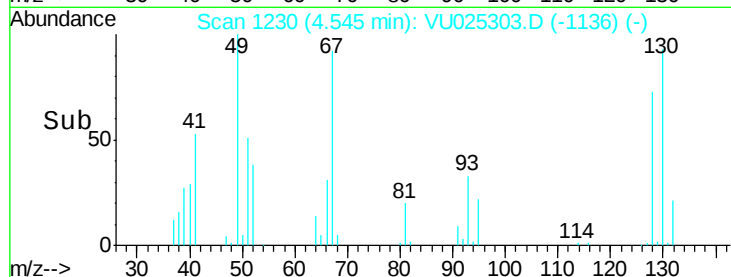
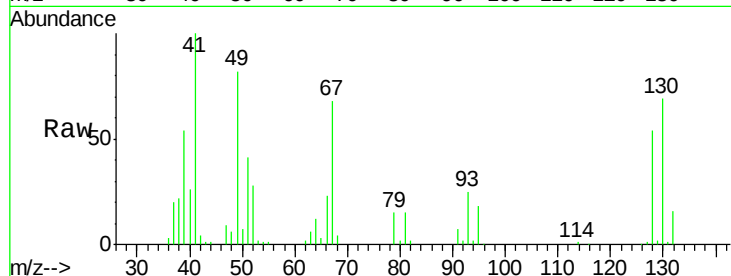
#41
Methacrylonitrile
Concen: 52.43 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	44.4	66.6	
67	69.7	56.0	84.0	
52	29.8	24.6	36.8	

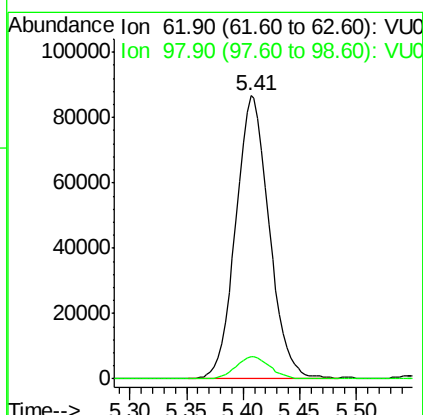
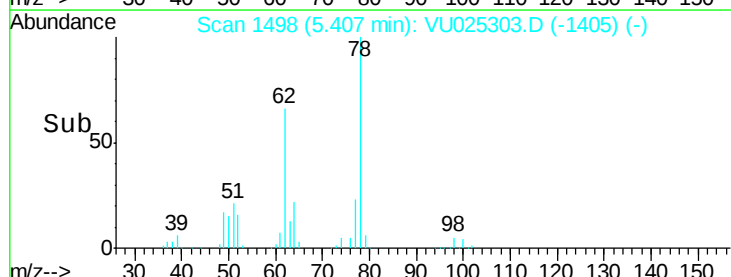
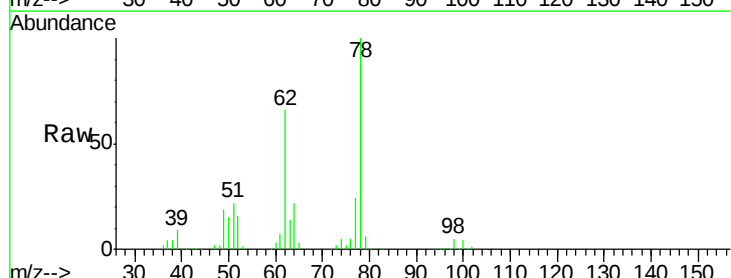
Manual Integrations
APPROVED

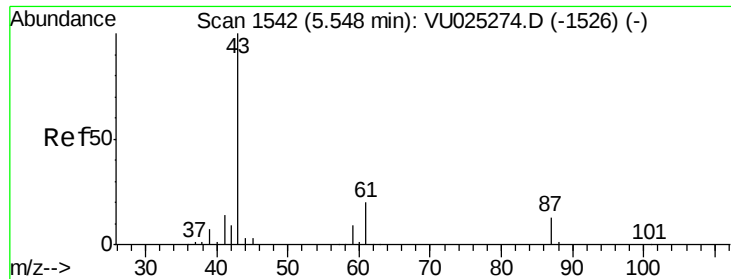
MMDadoda
7/11/2018 5:05:59 PM



#42
1,2-Dichloroethane
Concen: 49.34 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.4	





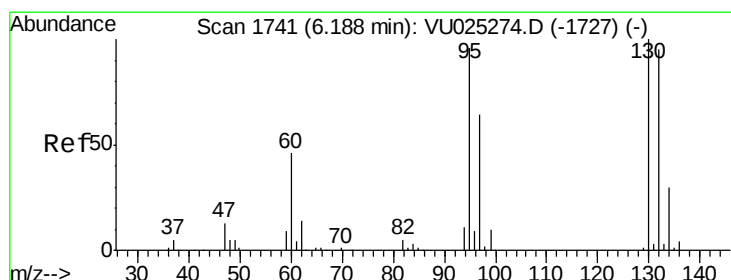
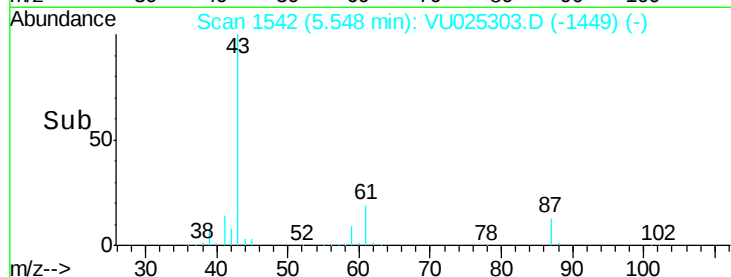
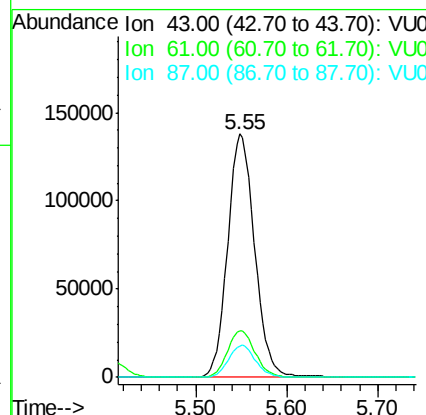
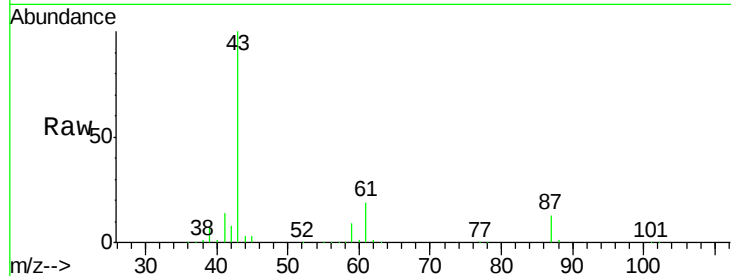
#43
Isopropyl Acetate
Concen: 50.10 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.2	10.6	16.0

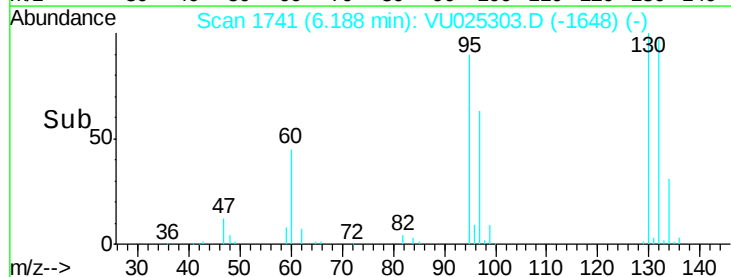
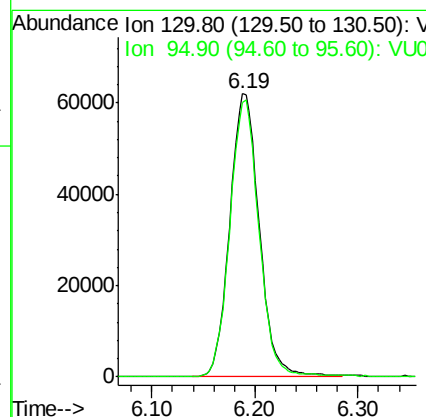
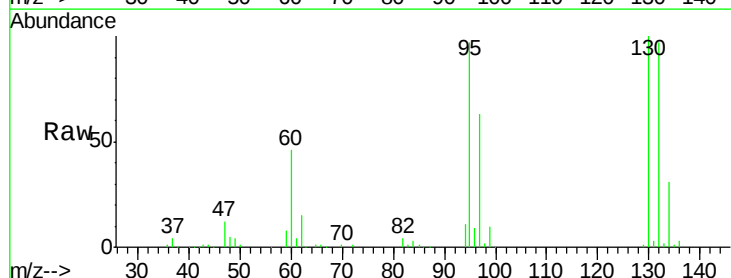
Manual Integrations
APPROVED

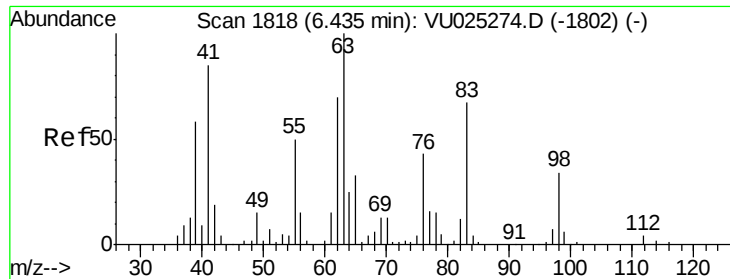
MMDadoda
7/11/2018 5:05:59 PM



#44
Trichloroethene
Concen: 47.36 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.2





#45

1,2-Dichloropropane

Concen: 50.84 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 63 Resp: 121591

Ion Ratio Lower Upper

63 100

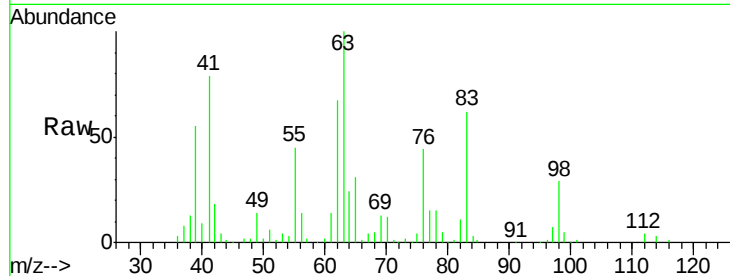
65 31.1 26.1 39.1

Manual Integrations

APPROVED

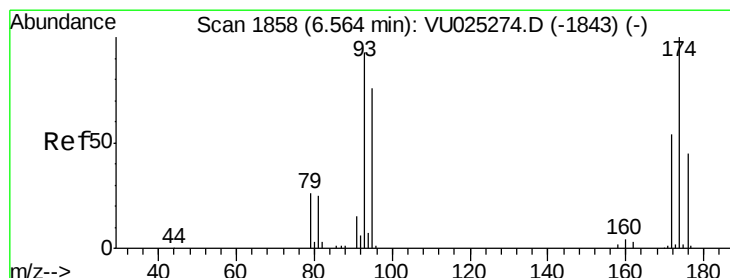
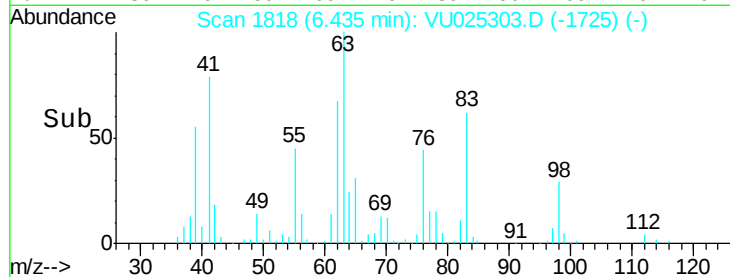
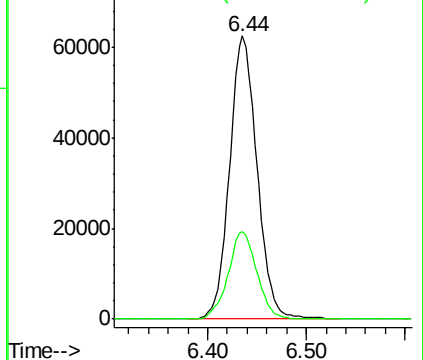
MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 49.35 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

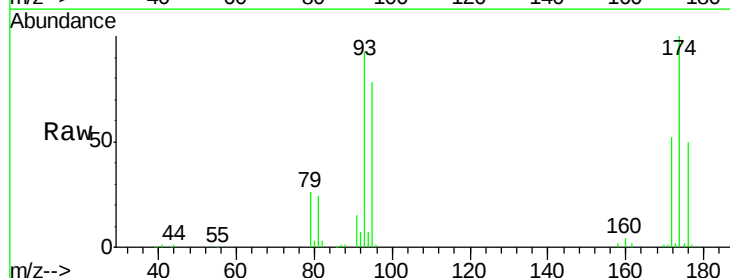
Tgt Ion: 93 Resp: 85891

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

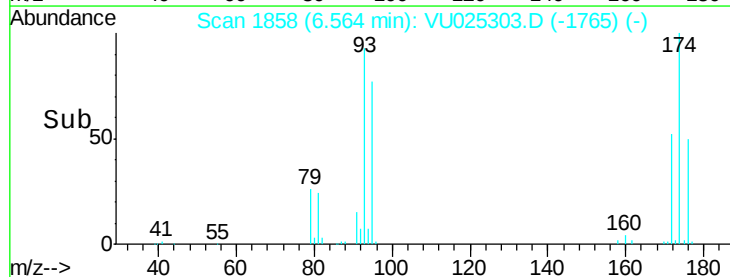
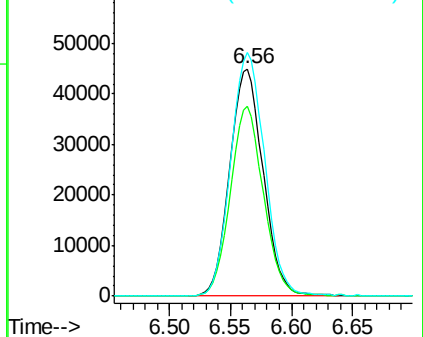
174 108.7 85.8 128.8

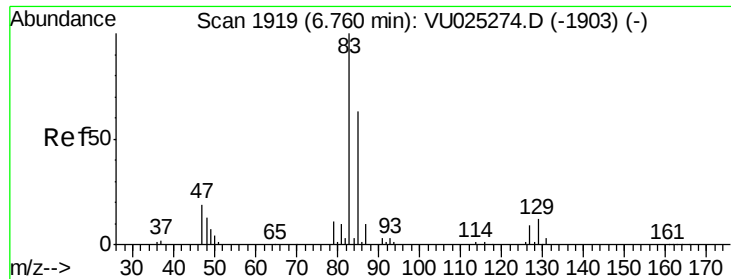


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.49 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

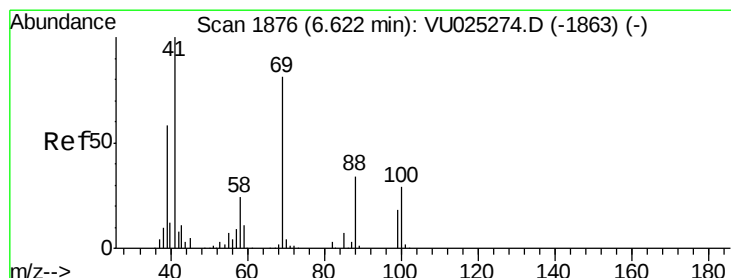
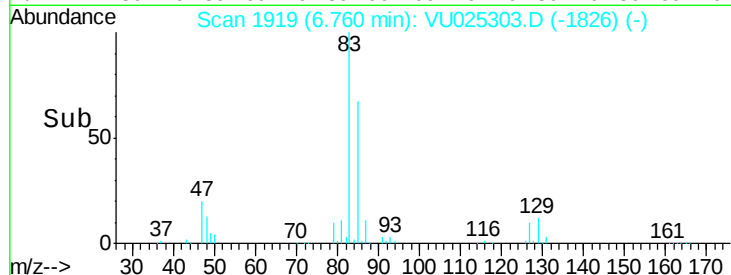
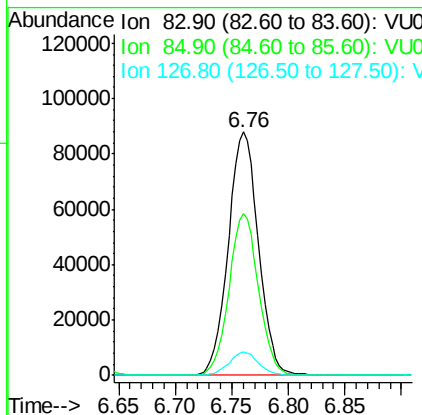
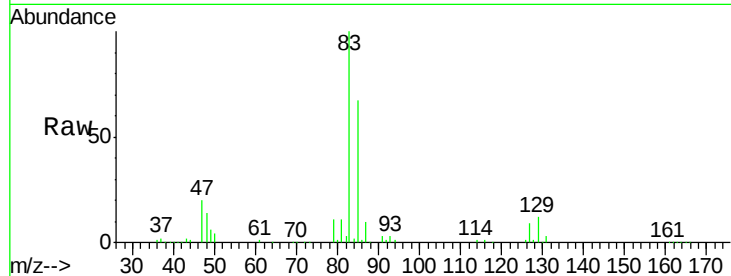
ClientSampleId :

BR-1-070518MSD

Tot Ion:	83	Resp:	163247
Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#48

Methyl methacrylate

Concen: 52.16 ug/l

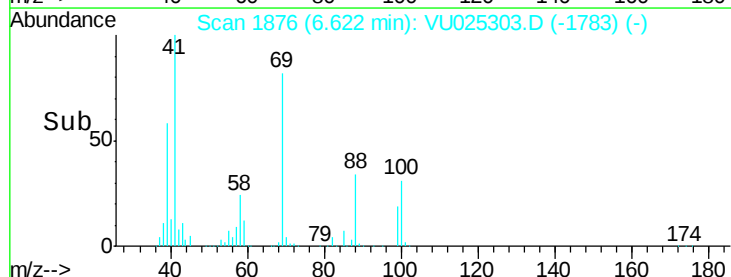
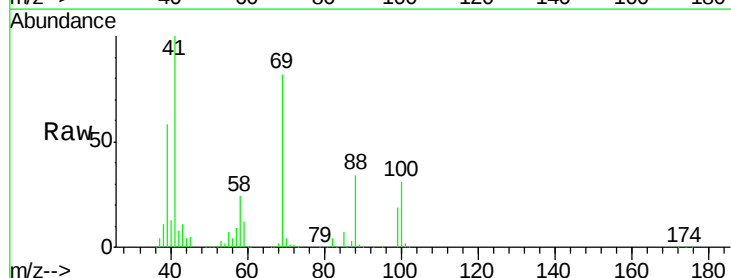
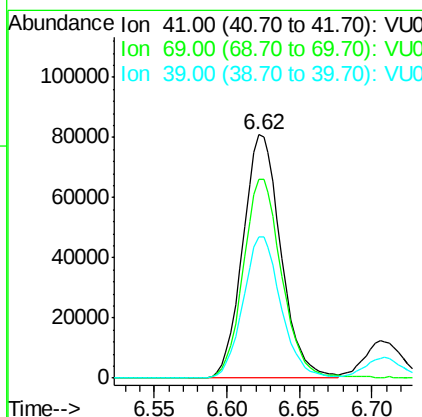
RT: 6.62 min Scan# 1876

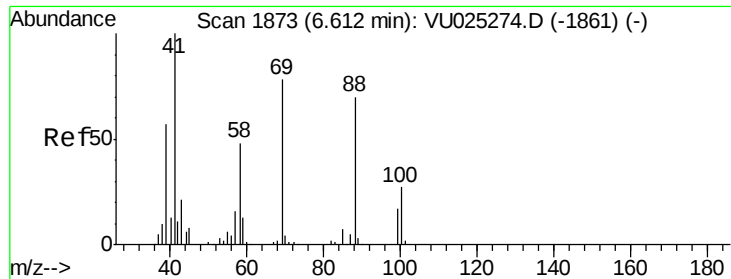
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	41	Resp:	147139
Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.0	97.4
39	57.6	46.4	69.6





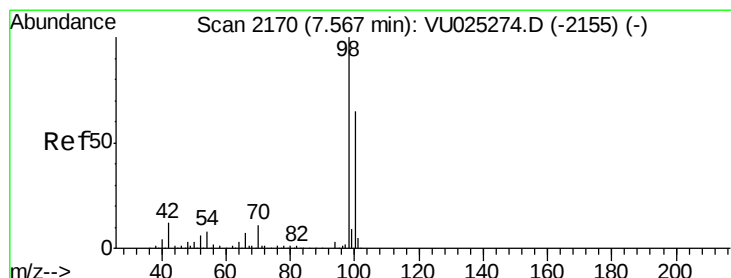
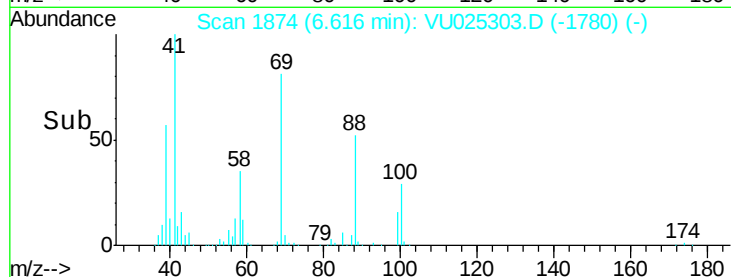
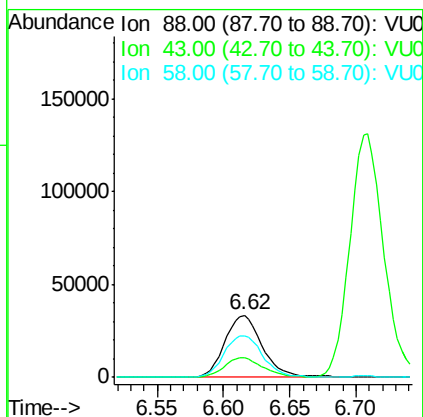
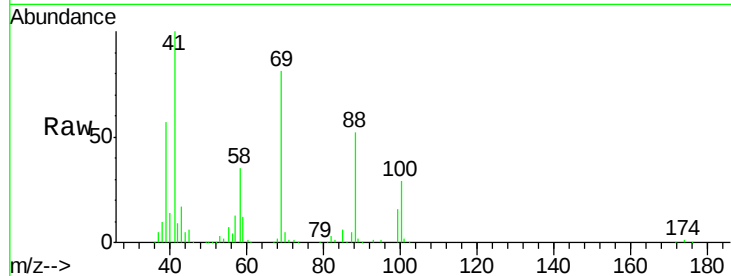
#49
1,4-Dioxane
Concen: 948.00 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.3	40.9
58	71.1	57.6	86.4

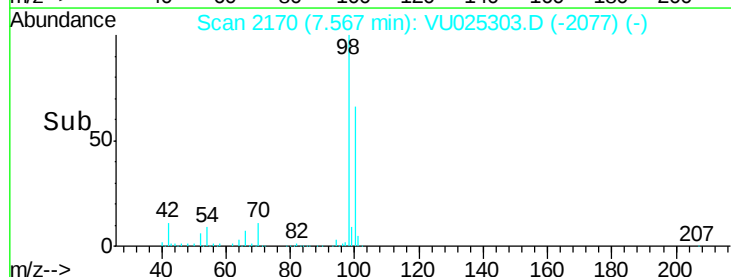
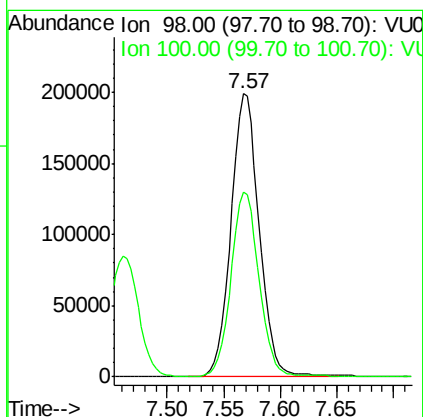
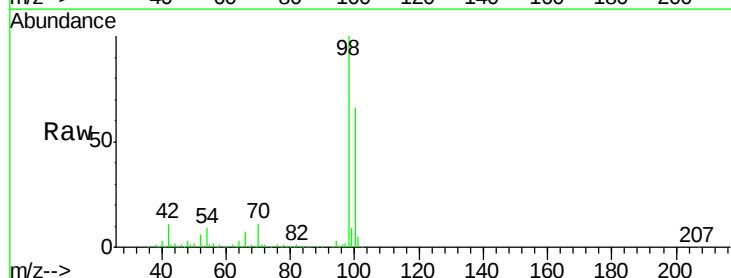
Manual Integrations
APPROVED

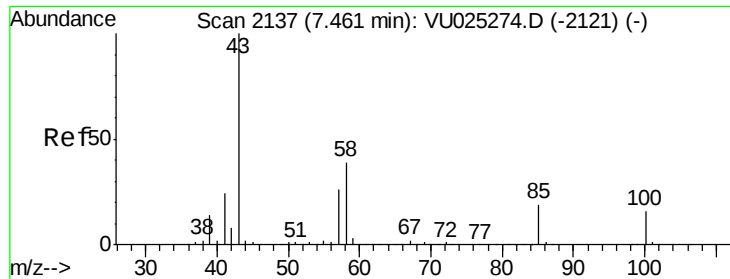
MMDadoda
7/11/2018 5:05:59 PM



#50
Toluene-d8
Concen: 41.95 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 260.30 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 43 Resp: 957427

Ion Ratio Lower Upper

43 100

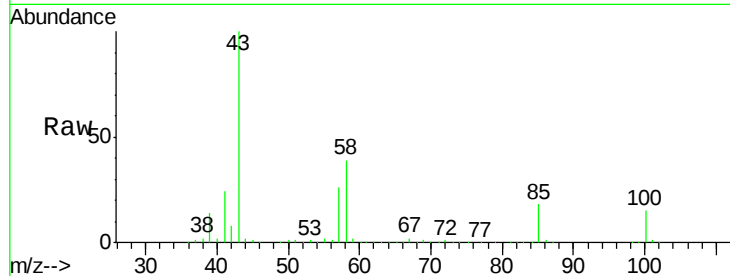
58 38.8 31.0 46.4

Manual Integrations

APPROVED

MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

600000

500000

400000

300000

200000

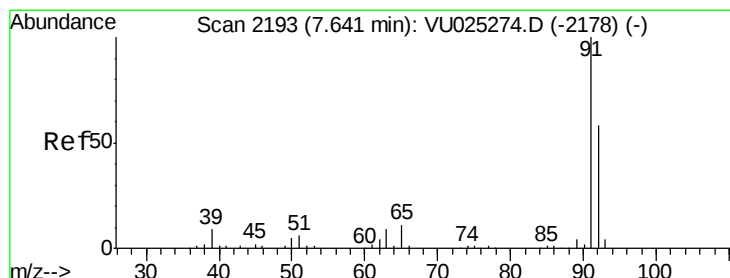
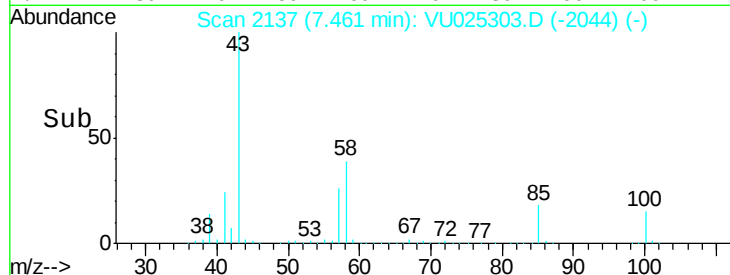
100000

0

7.46

7.40 7.50

Time-->



#52

Toluene

Concen: 48.77 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025303.D

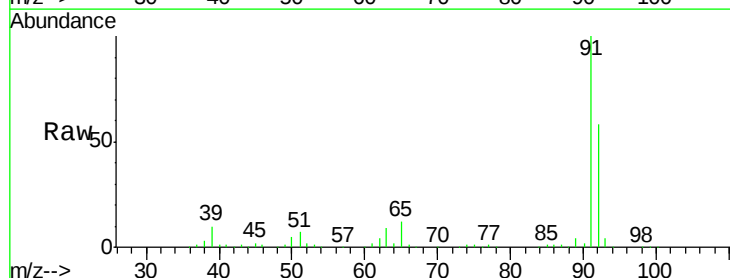
Acq: 10 Jul 2018 20:57

Tgt Ion: 92 Resp: 283324

Ion Ratio Lower Upper

92 100

91 174.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

300000

250000

200000

150000

100000

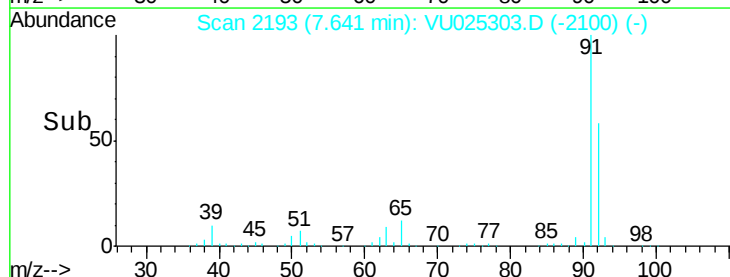
50000

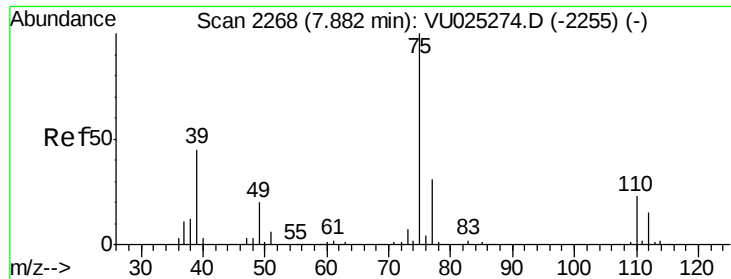
0

7.64

7.55 7.60 7.65 7.70 7.75

Time-->





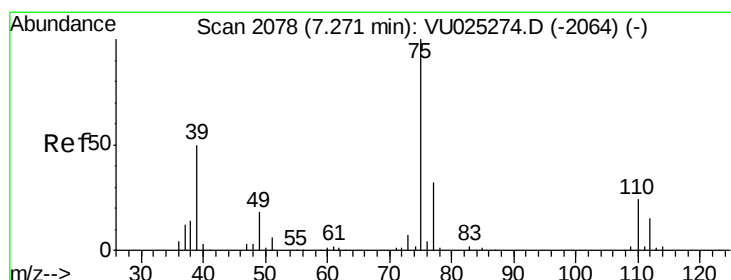
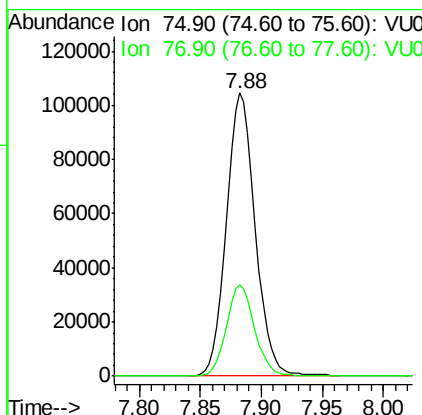
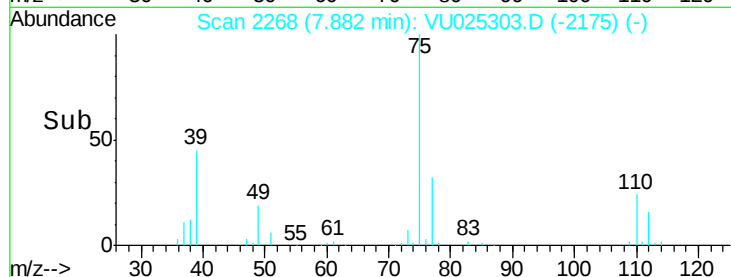
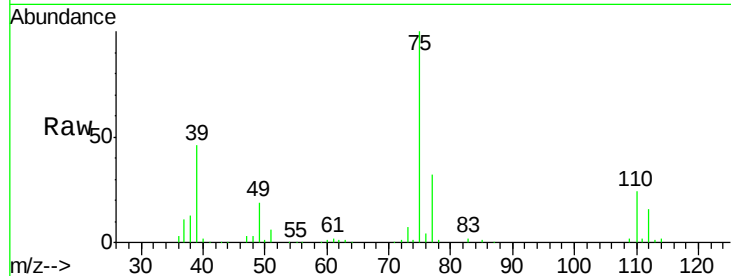
#53
 t-1,3-Dichloropropene
 Concen: 48.75 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion: 75 Resp: 173187
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.5 36.7

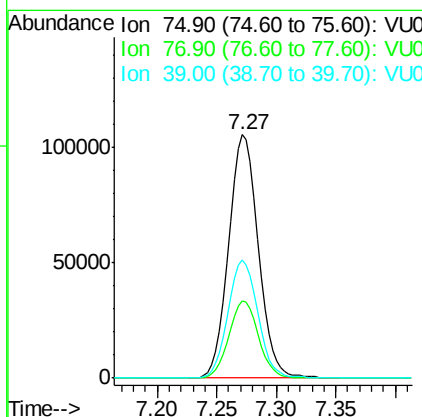
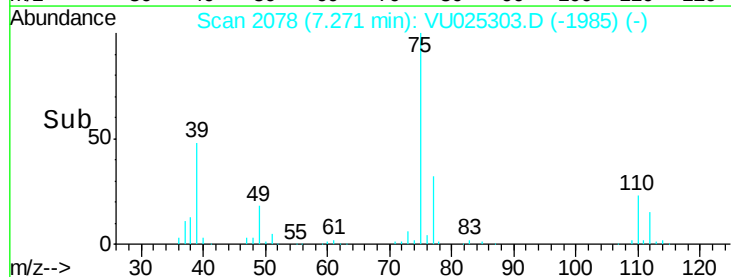
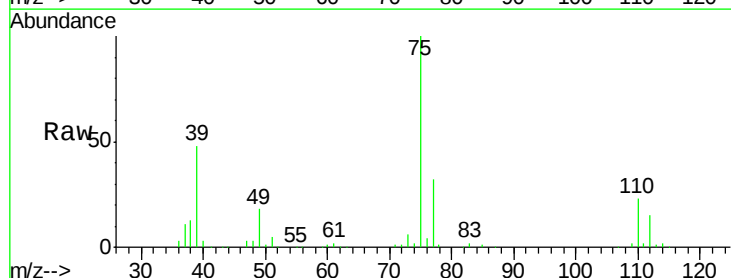
Manual Integrations
 APPROVED

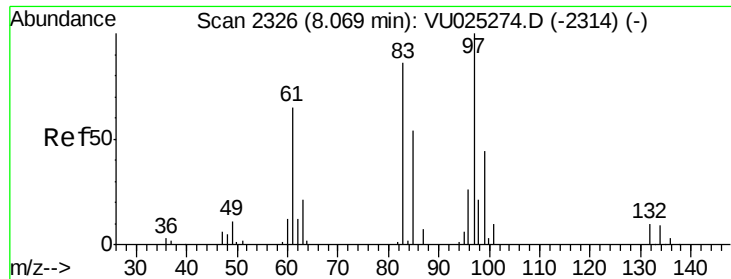
MMDadoda
 7/11/2018 5:05:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.34 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 75 Resp: 182778
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4
 39 48.4 40.0 60.0





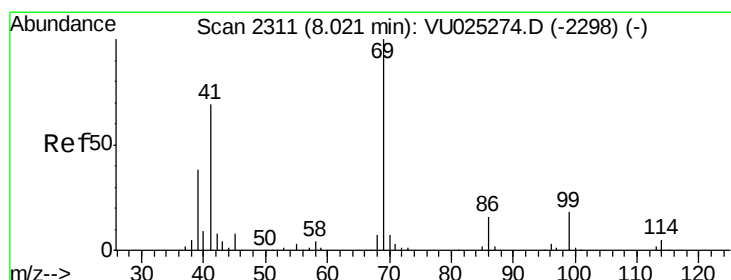
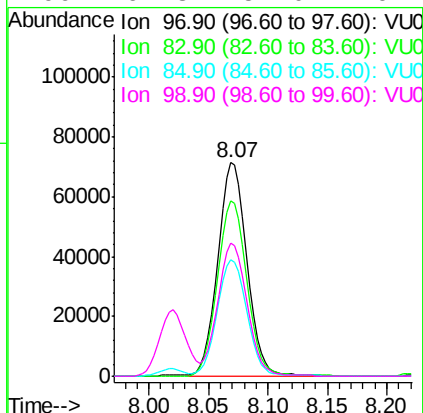
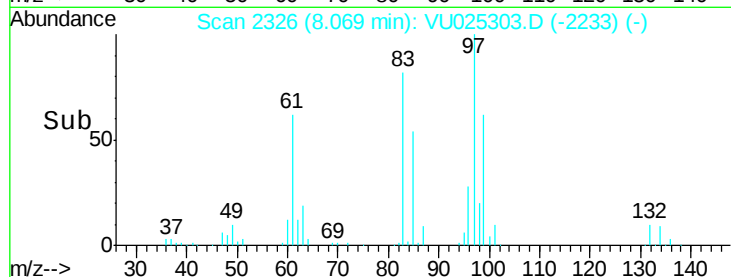
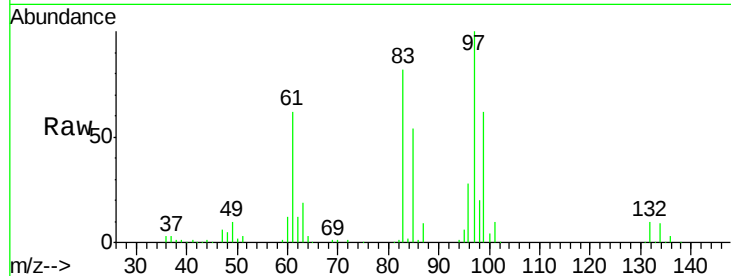
#55
 1,1,2-Trichloroethane
 Concen: 49.87 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120657		
83	81.8	68.9	103.3		
85	54.5	44.4	66.6		
99	62.3	51.0	76.4		

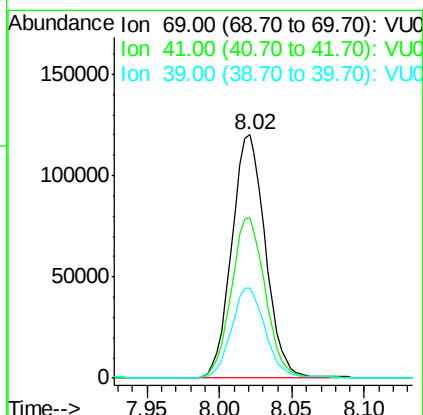
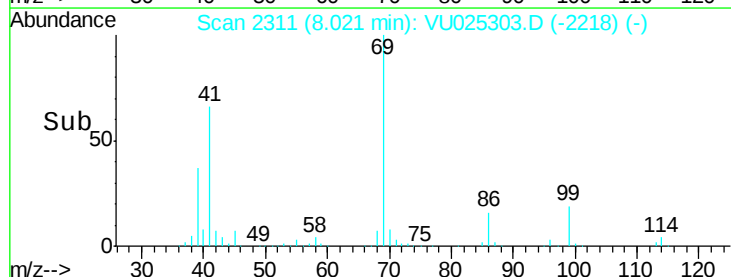
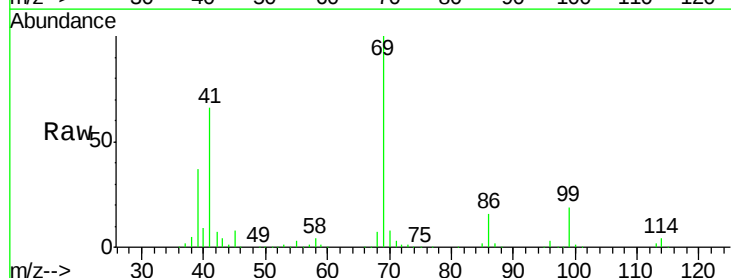
Manual Integrations
 APPROVED

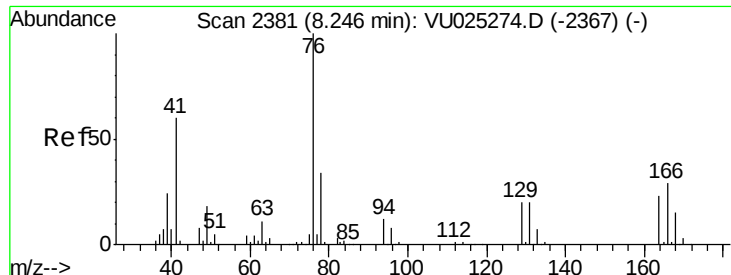
MMDadoda
 7/11/2018 5:05:59 PM



#56
 Ethyl methacrylate
 Concen: 51.13 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		193227		
41	66.9	54.8	82.2		
39	36.8	31.1	46.7		





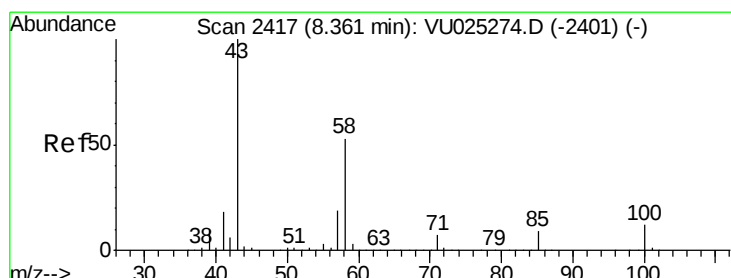
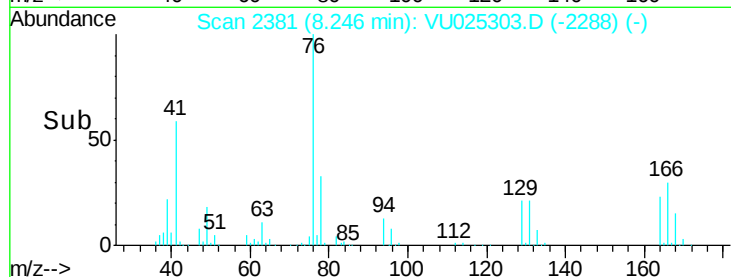
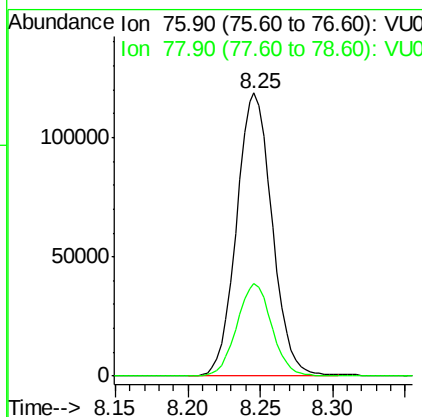
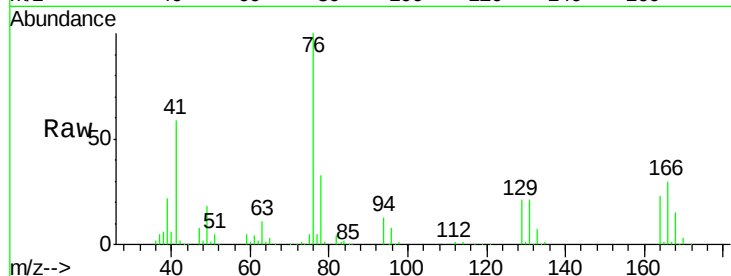
#57
 1,3-Dichloropropane
 Concen: 50.28 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.1	39.1

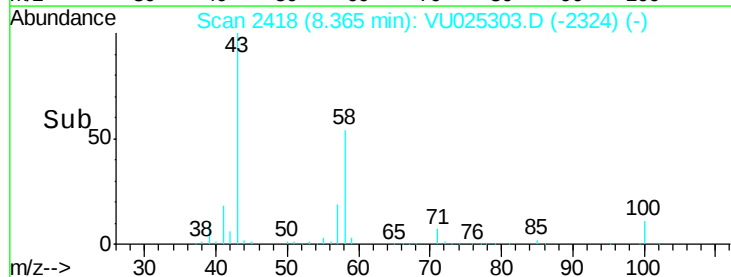
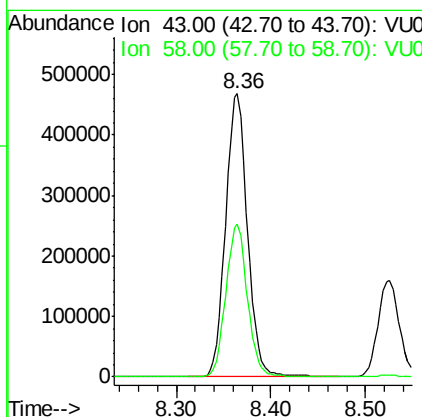
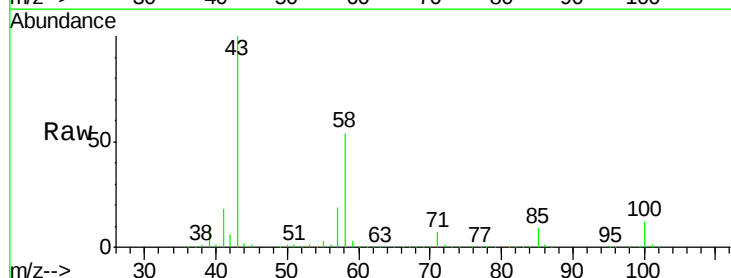
Manual Integrations
 APPROVED

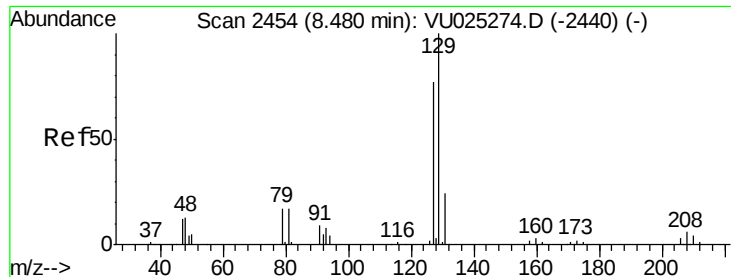
MMDadoda
 7/11/2018 5:05:59 PM



#59
 2-Hexanone
 Concen: 252.55 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.2	78.5





#60

Dibromochloromethane

Concen: 52.57 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion:129 Resp: 137369

Ion Ratio Lower Upper

129 100

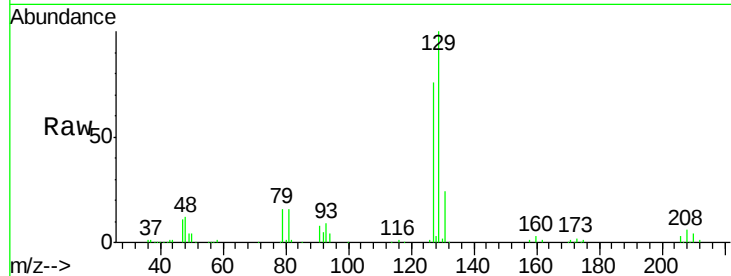
127 76.9 38.6 115.8

Manual Integrations

APPROVED

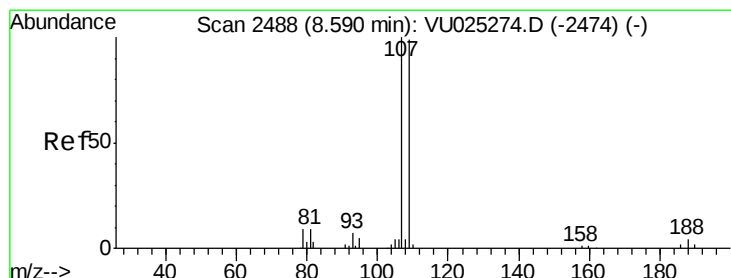
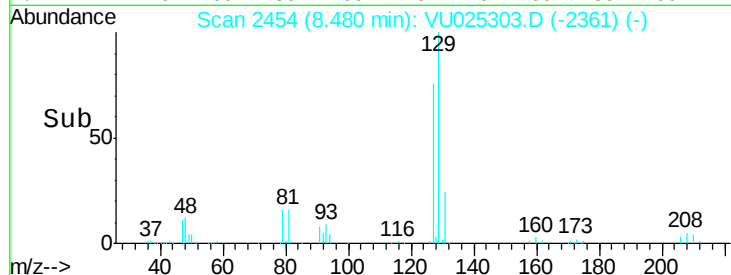
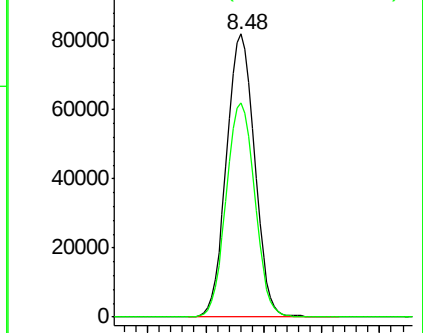
MMDadoda

7/11/2018 5:05:59 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.33 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025303.D

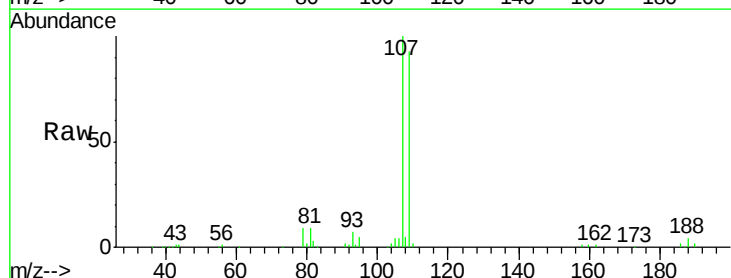
Acq: 10 Jul 2018 20:57

Tgt Ion:107 Resp: 132891

Ion Ratio Lower Upper

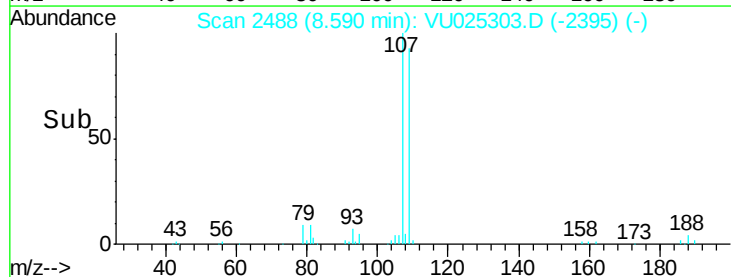
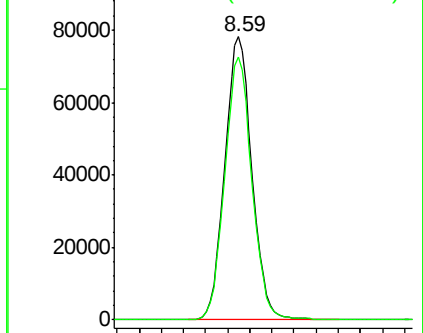
107 100

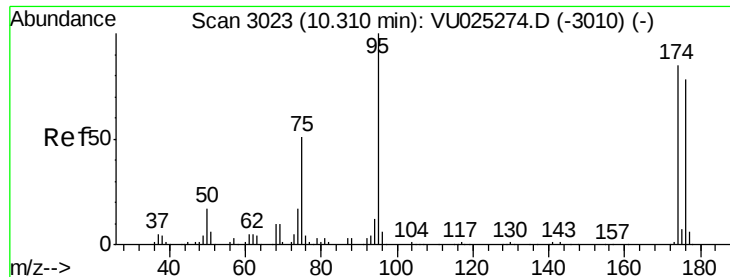
109 93.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 43.33 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

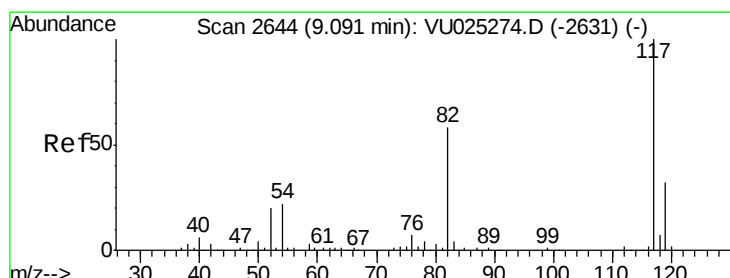
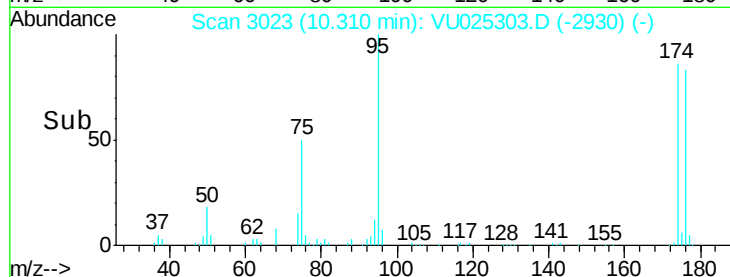
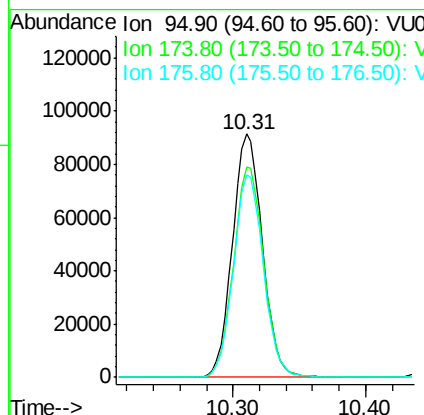
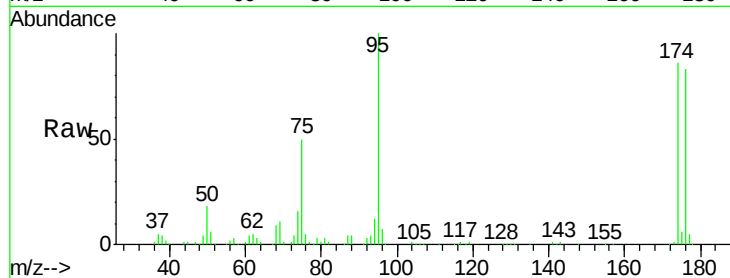
ClientSampleId :

BR-1-070518MSD

Tot Ion	95	Resp	143630
Ion Ratio	Lower	Upper	
95	100		
174	87.2	0.0	172.2
176	83.3	0.0	162.6

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

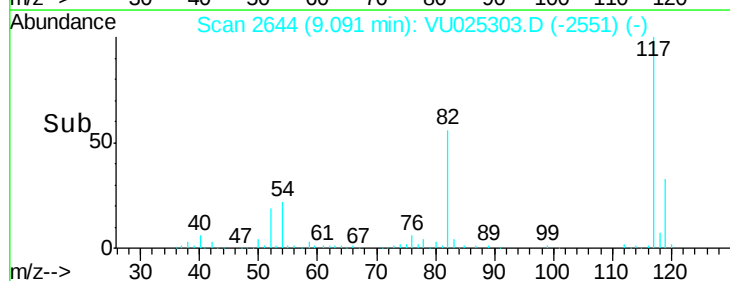
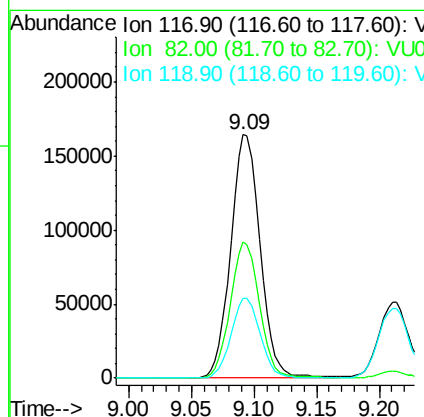
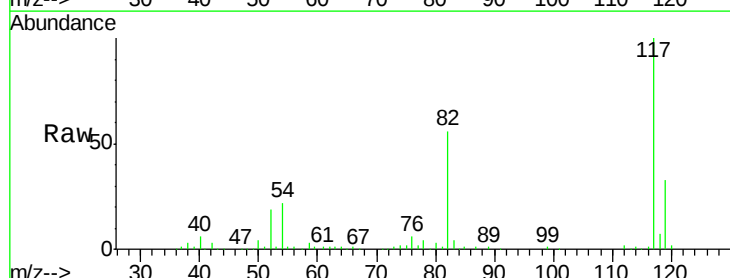
RT: 9.09 min Scan# 2644

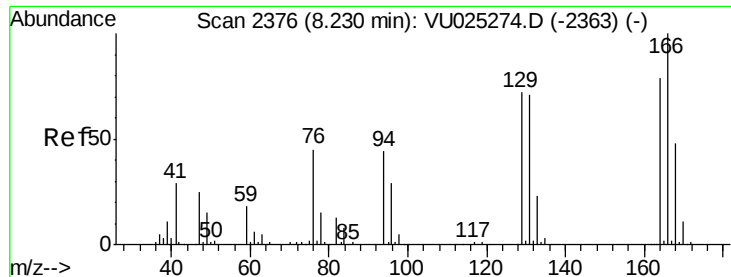
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion	117	Resp	268590
Ion Ratio	Lower	Upper	
117	100		
82	55.7	46.0	69.0
119	32.8	26.0	39.0





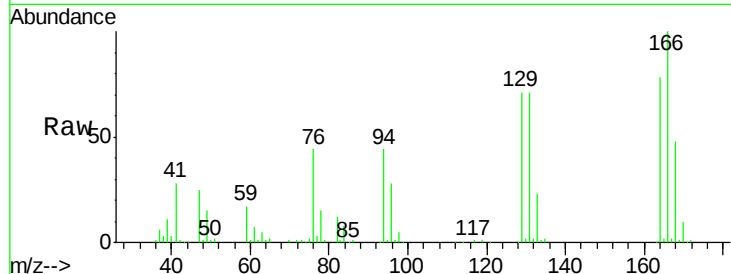
#64
Tetrachloroethene
Concen: 48.97 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

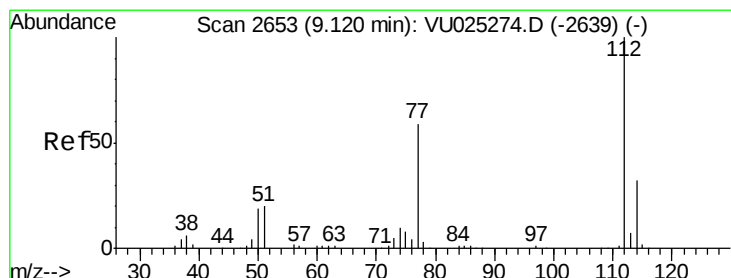
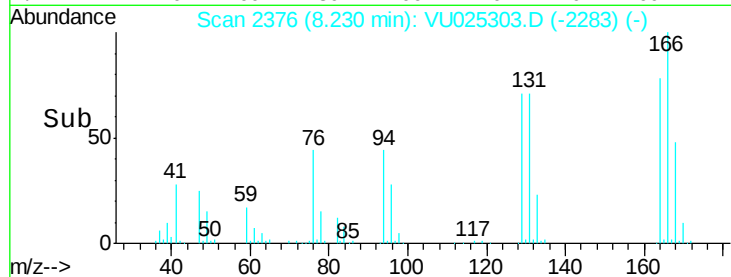
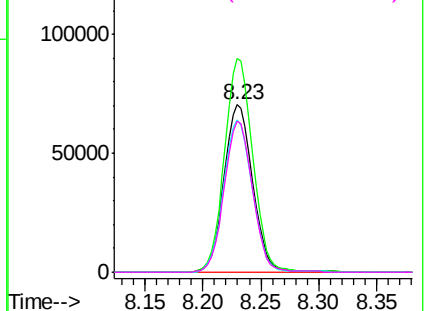
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.6	119890	101.1	151.7
129	91.2		73.0	109.6
131	90.3		72.1	108.1

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM

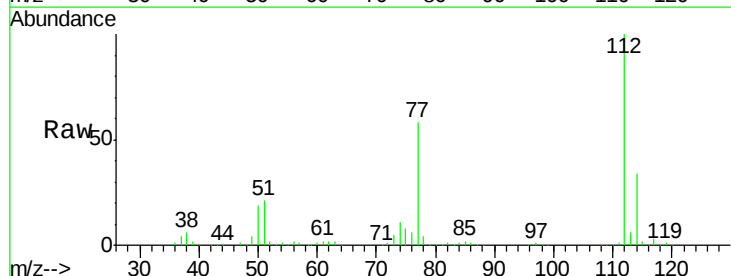


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

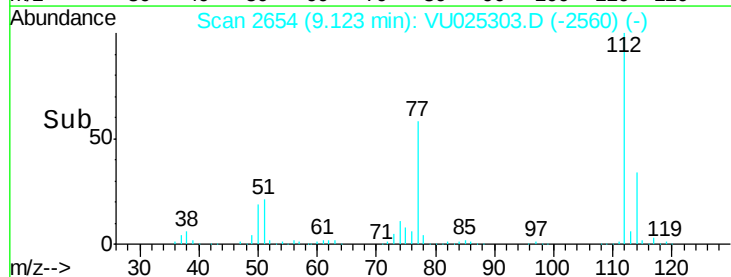
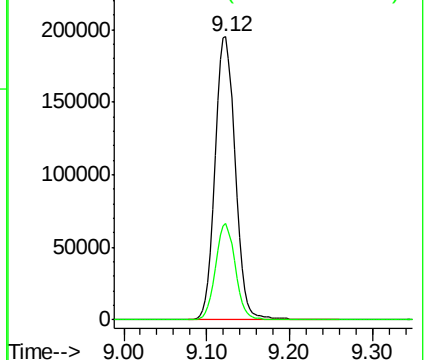


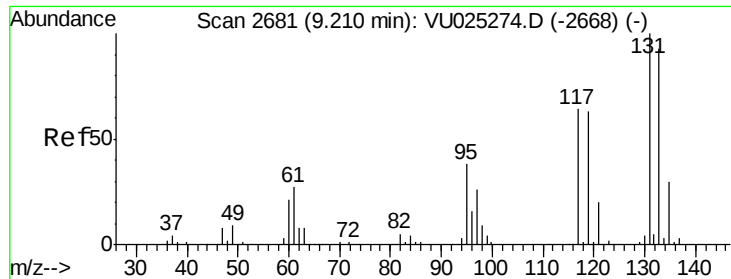
#65
Chlorobenzene
Concen: 49.18 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	329959		
114	33.9		25.8	38.8



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





#66

1,1,1,2-Tetrachloroethane

Concen: 53.06 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

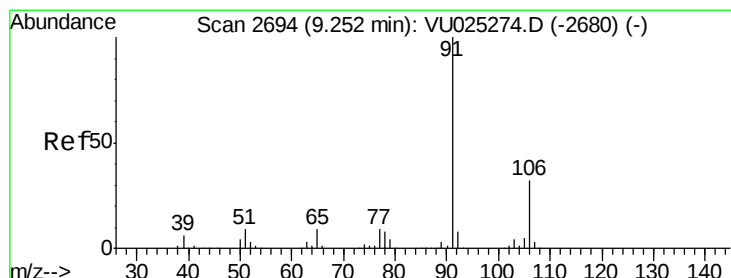
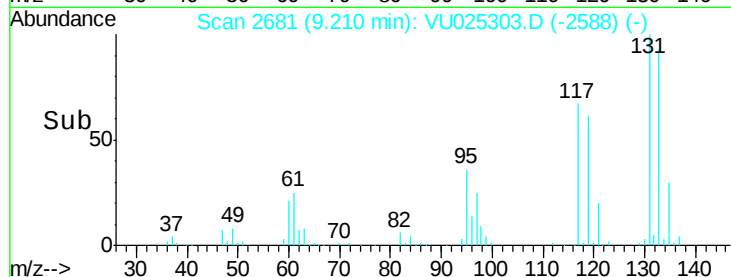
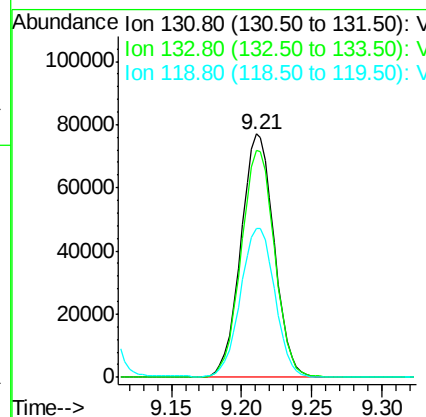
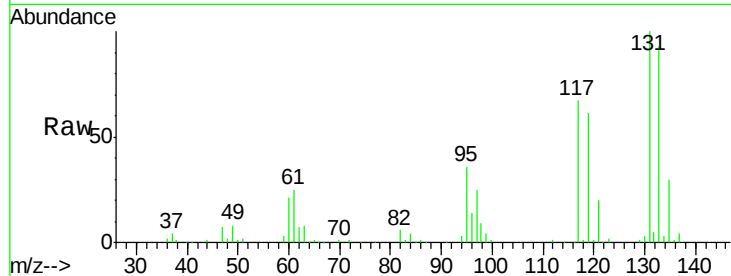
ClientSampleId :

BR-1-070518MSD

Tot Ion:	131	Resp:	127346
Ion Ratio	Lower	Upper	
131	100		
133	93.9	47.8	143.3
119	63.4	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#67

Ethyl Benzene

Concen: 48.76 ug/l

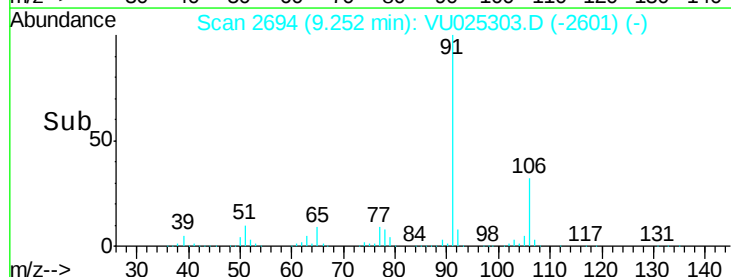
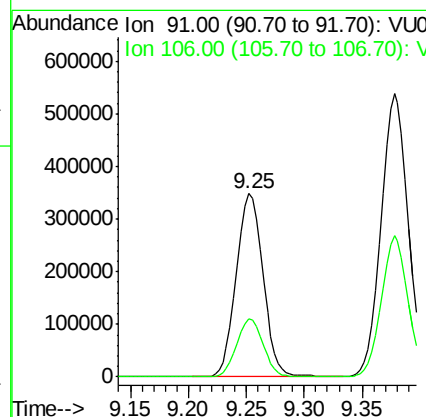
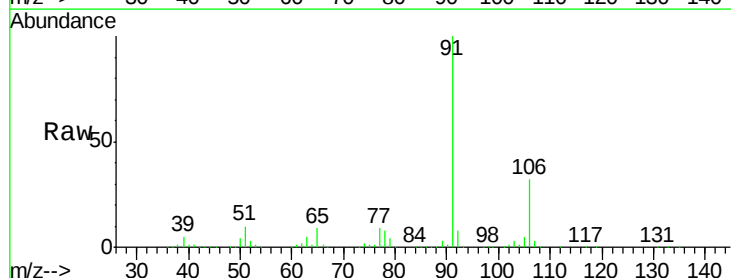
RT: 9.25 min Scan# 2694

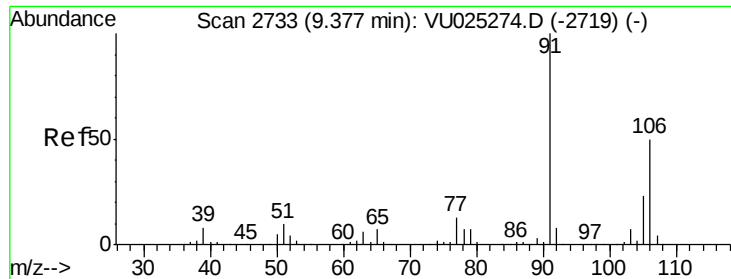
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	91	Resp:	557805
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.3	37.9





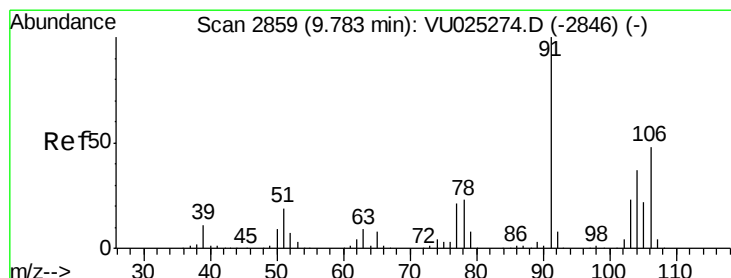
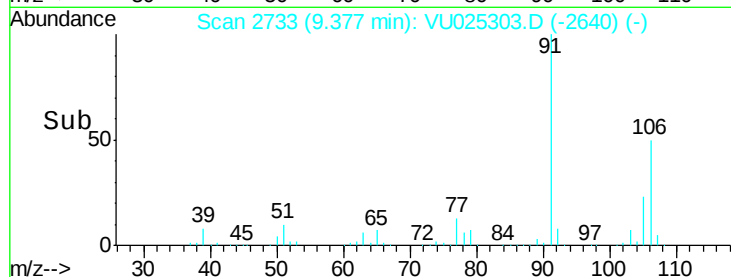
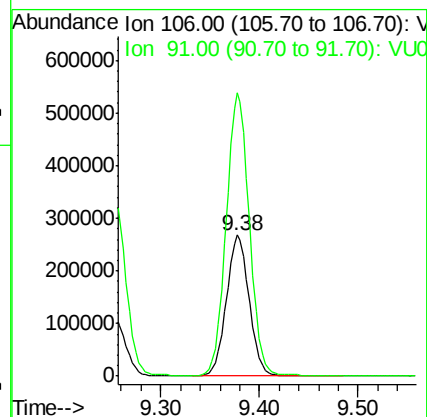
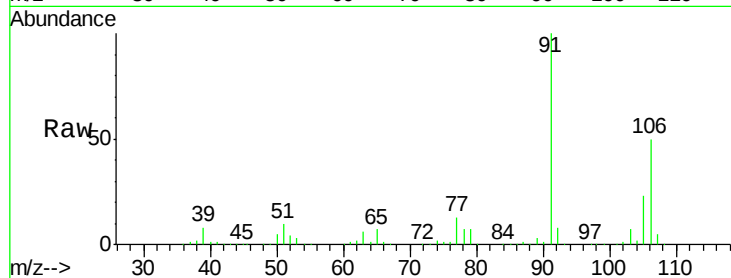
#68
m/p-Xylenes
Concen: 98.44 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion:106 Resp: 435338
Ion Ratio Lower Upper
106 100
91 203.6 162.3 243.5

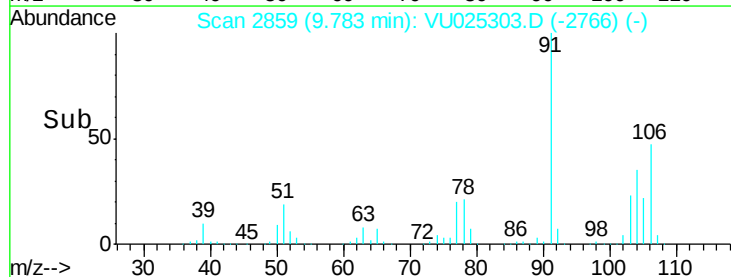
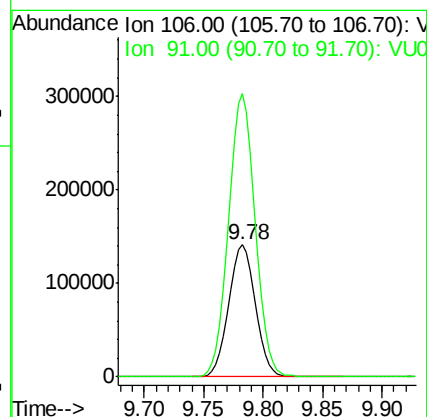
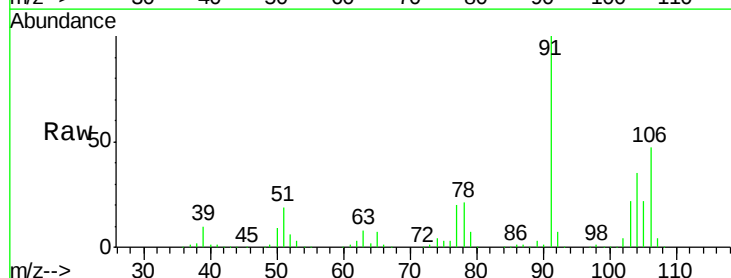
Manual Integrations
APPROVED

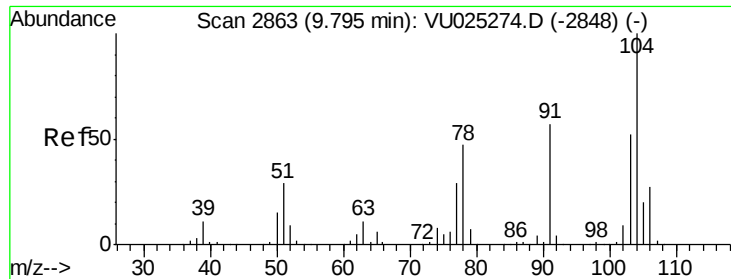
MMDadoda
7/11/2018 5:05:59 PM



#69
o-Xylene
Concen: 49.59 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion:106 Resp: 219544
Ion Ratio Lower Upper
106 100
91 214.5 105.3 315.8





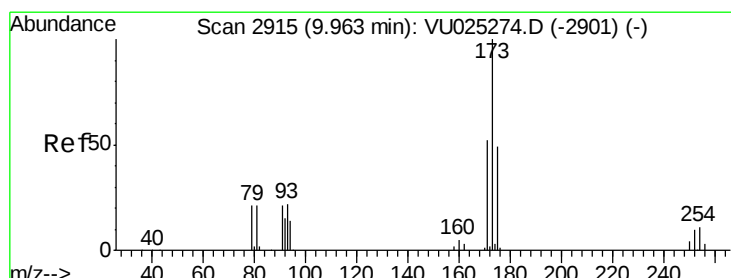
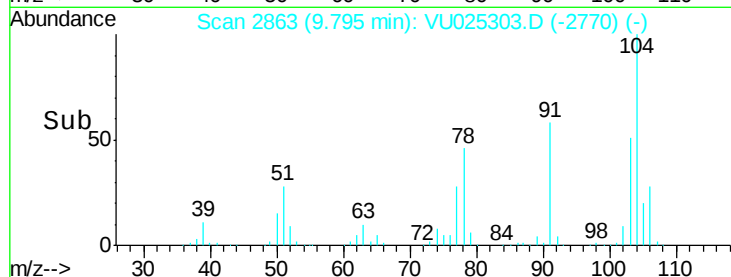
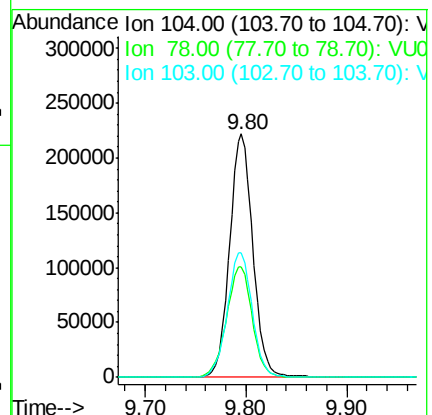
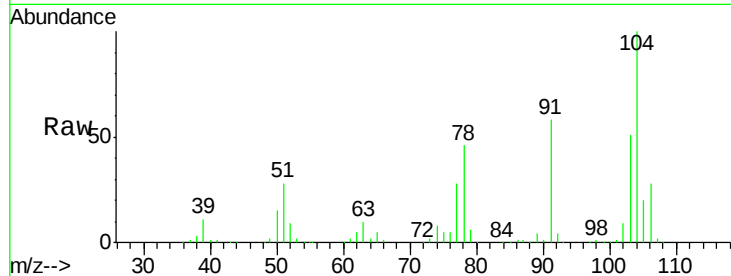
#70
Stvrene
Concen: 50.92 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	358150		
78	50.2		41.6	62.4
103	54.7		44.6	66.8

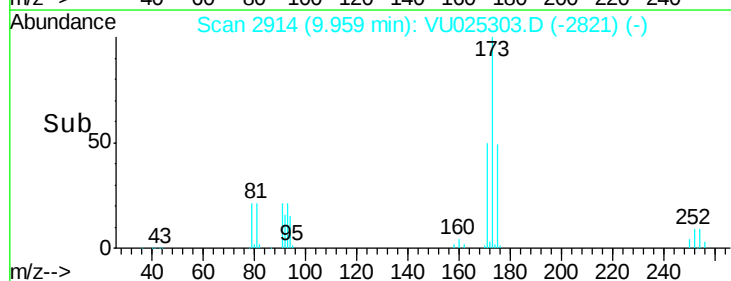
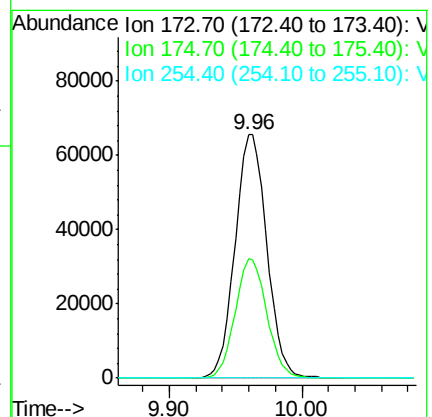
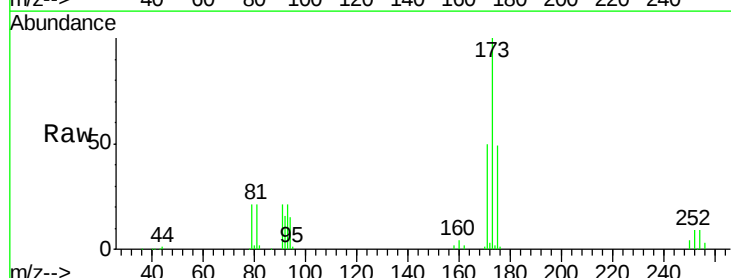
Manual Integrations
APPROVED

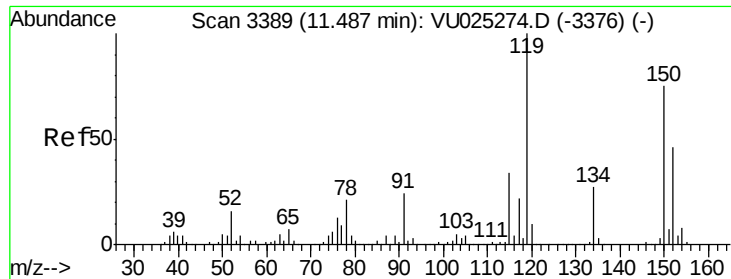
MMDadoda
7/11/2018 5:05:59 PM



#71
Bromoform
Concen: 47.31 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	109155		
175	48.7		24.0	72.0
254	0.0		0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

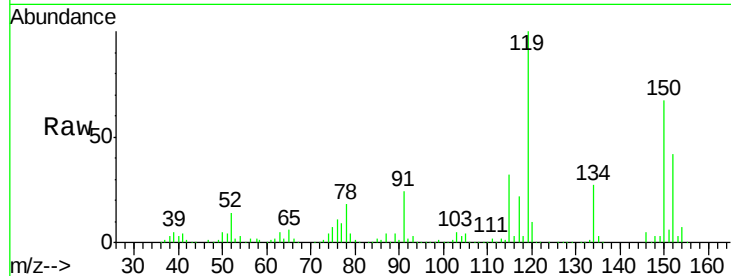
ClientSampleId :

BR-1-070518MSD

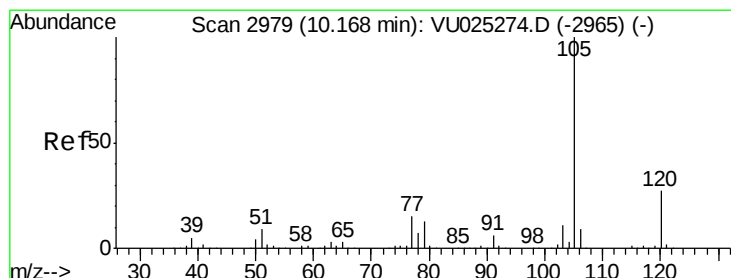
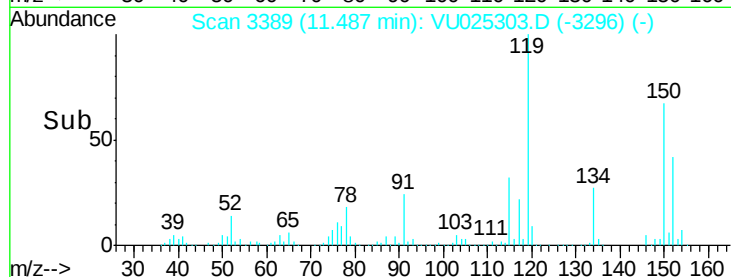
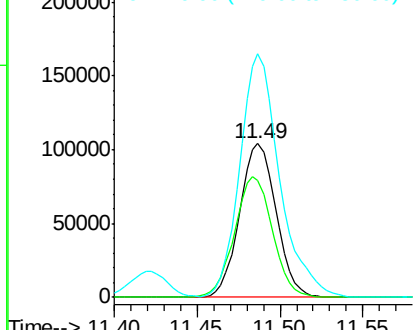
Tot Ion:	152	Resp:	160013
Ion Ratio	Lower	Upper	
152	100		
115	81.0	40.1	120.3
150	172.5	0.0	351.4

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



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: 47.41 ug/l

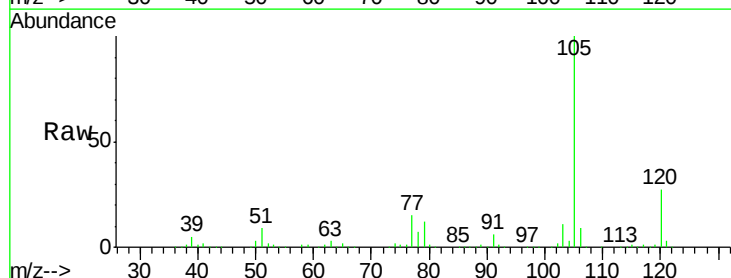
RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

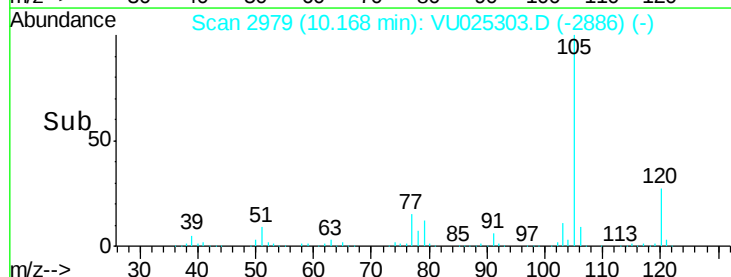
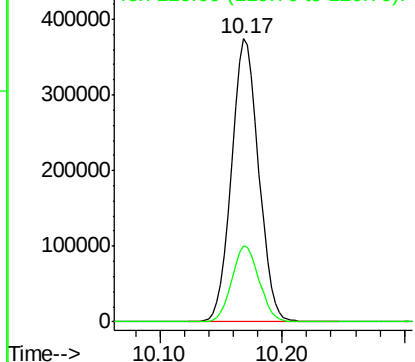
Lab File: VU025303.D

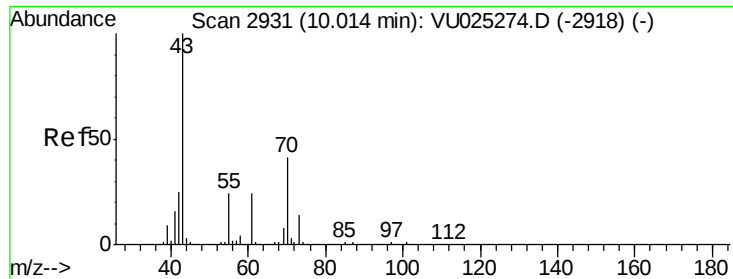
Acq: 10 Jul 2018 20:57

Tgt Ion:	105	Resp:	579654
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.5	40.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.87 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 43 Resp: 249526

Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

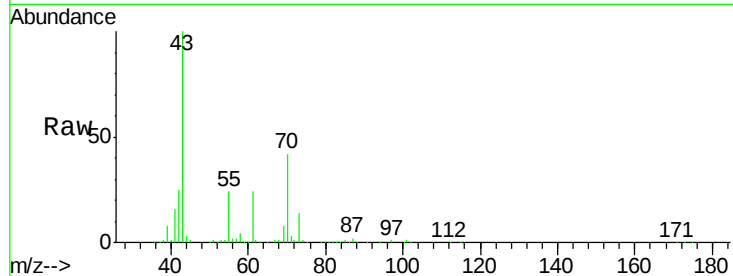
55 23.5 19.0 28.6

61 23.5 19.3 28.9

Manual Integrations
APPROVED

MMDadoda

7/11/2018 5:05:59 PM

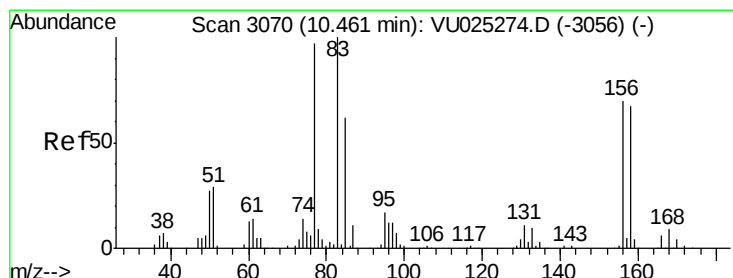
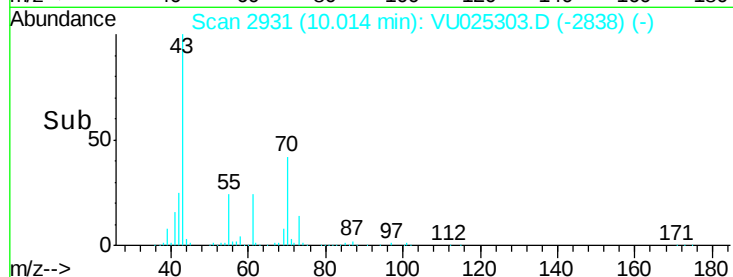
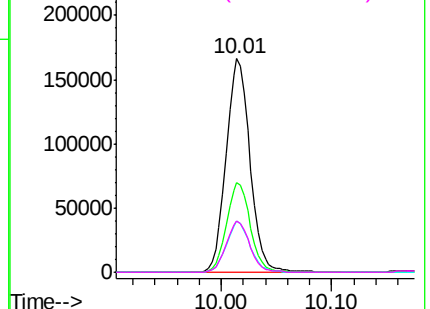


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#75

1,1,2,2-Tetrachloroethane

Concen: 50.33 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

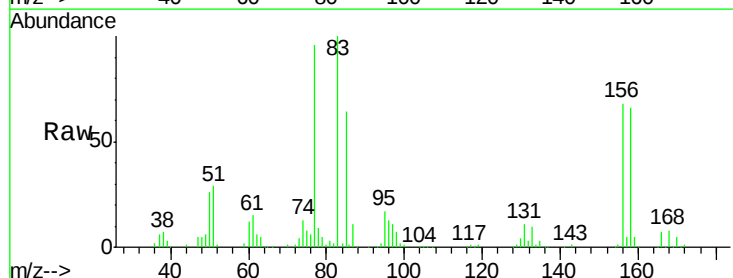
Tgt Ion: 83 Resp: 201295

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.4

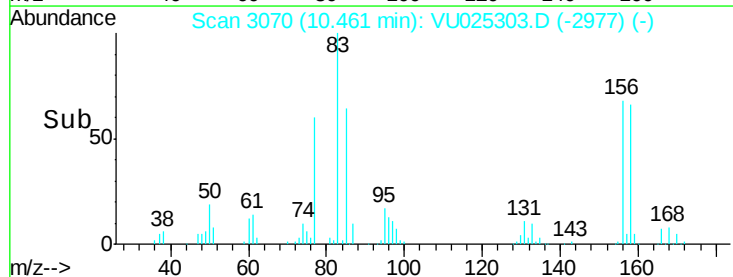
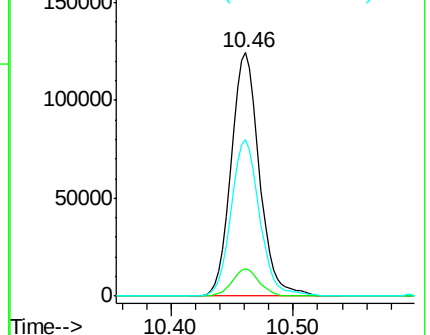
85 64.8 31.6 94.8

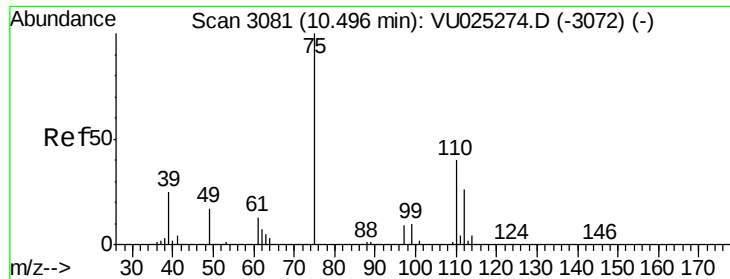


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0





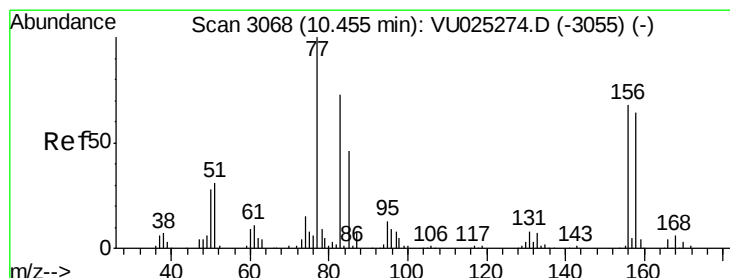
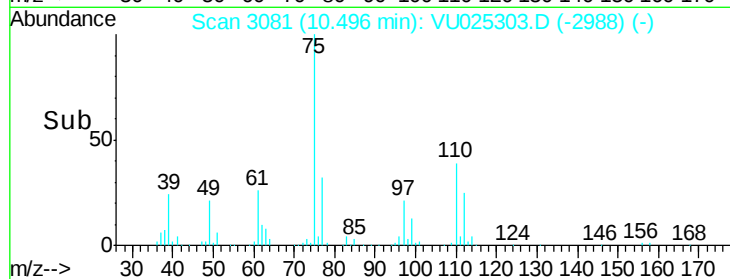
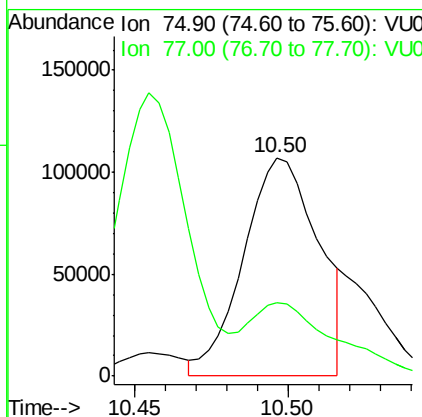
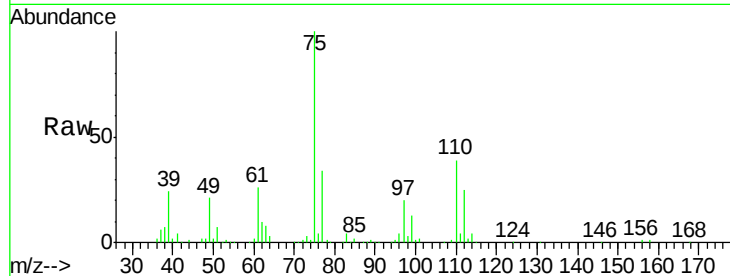
#76
 1,2,3-Trichloropropane
 Concen: 54.79 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion: 75 Resp: 181356
 Ion Ratio Lower Upper
 75 100
 77 38.4 20.4 61.3

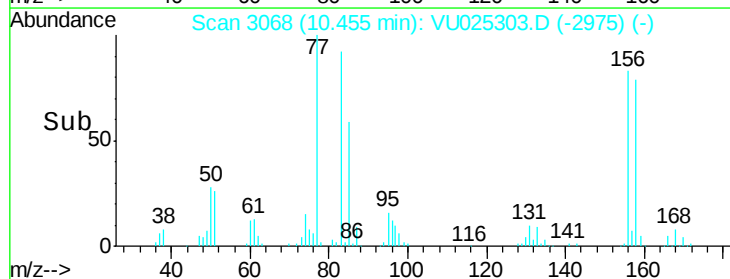
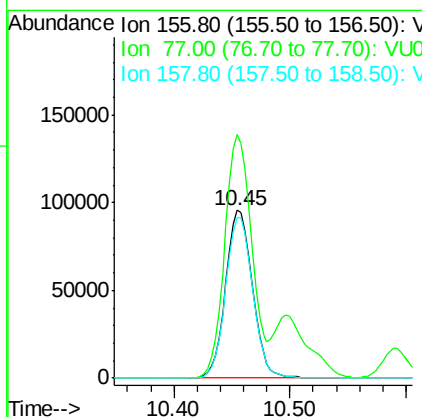
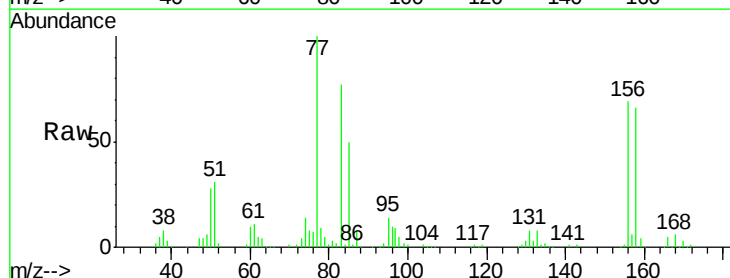
Manual Integrations
 APPROVED

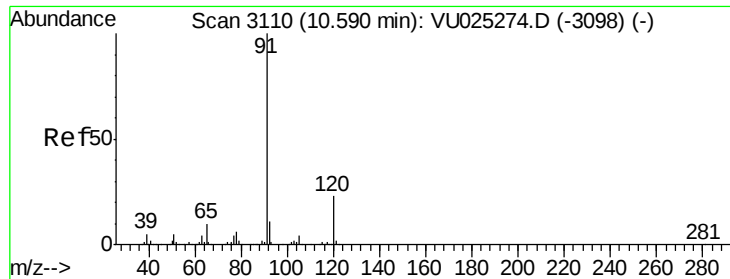
MMDadoda
 7/11/2018 5:05:59 PM



#77
 Bromobenzene
 Concen: 49.04 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 156 Resp: 153377
 Ion Ratio Lower Upper
 156 100
 77 146.2 73.8 221.4
 158 96.7 48.0 144.0





#78

n-propylbenzene

Concen: 47.54 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

ClientSampleId :

BR-1-070518MSD

Tot Ion: 91 Resp: 645019

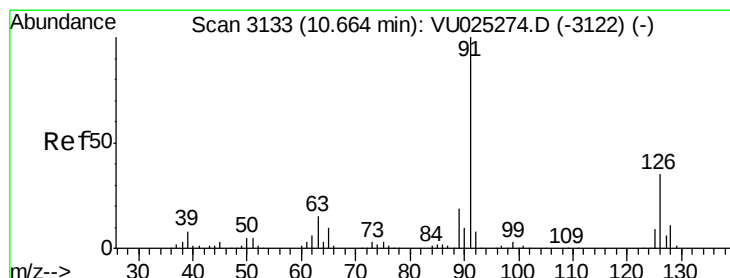
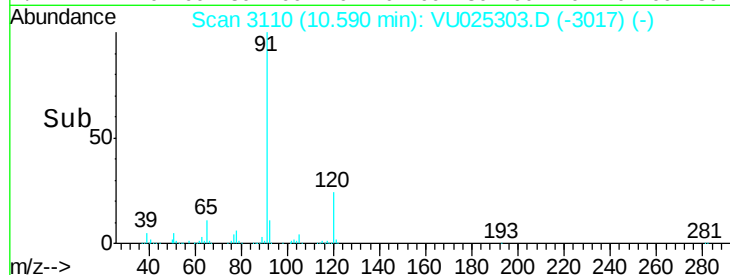
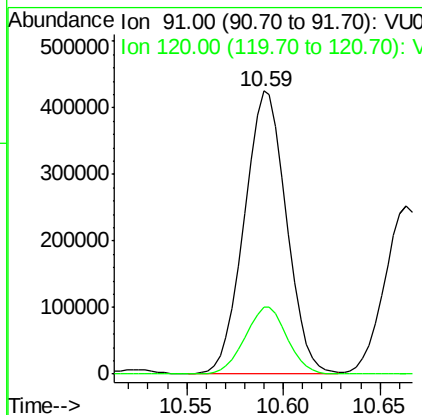
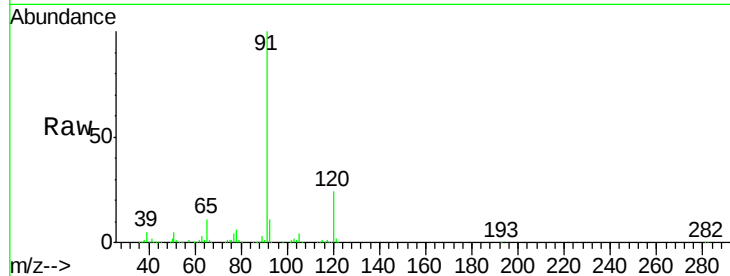
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.3

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#79

2-Chlorotoluene

Concen: 51.35 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025303.D

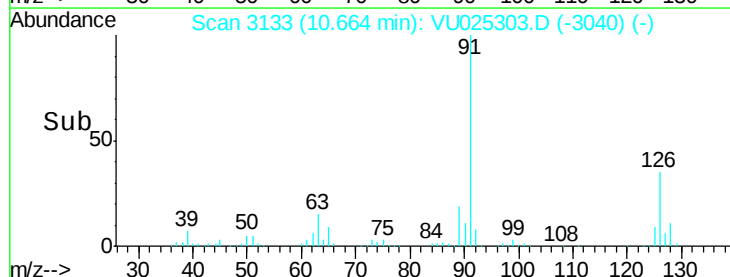
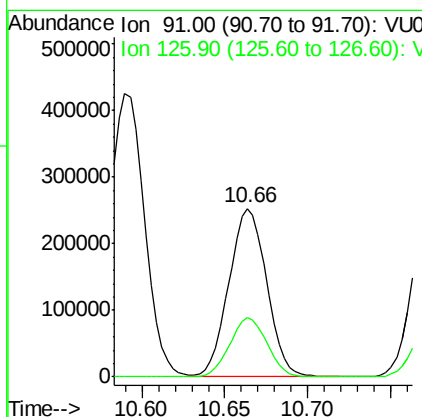
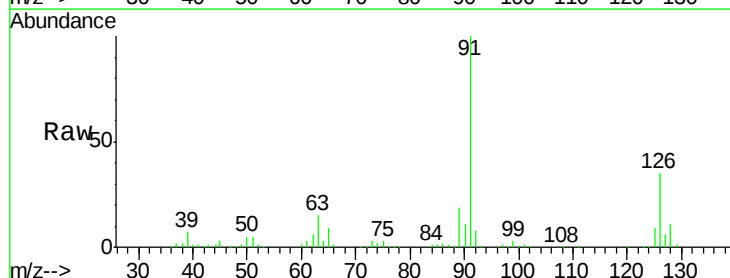
Acq: 10 Jul 2018 20:57

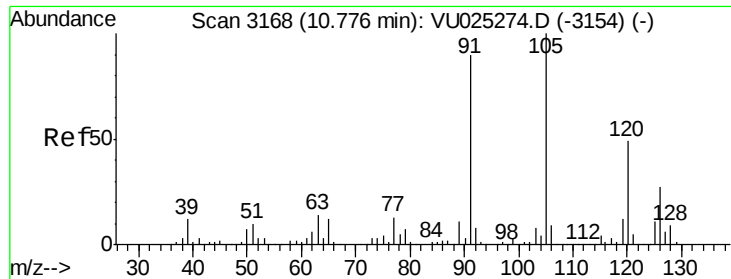
Tgt Ion: 91 Resp: 400053

Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.6





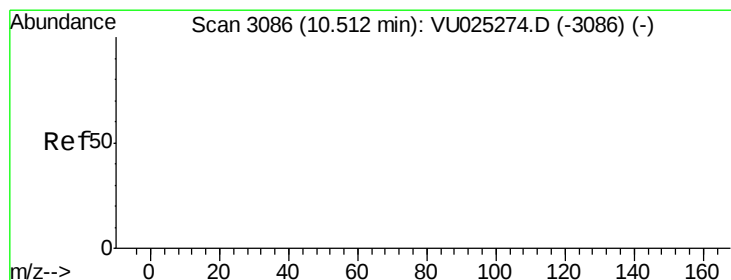
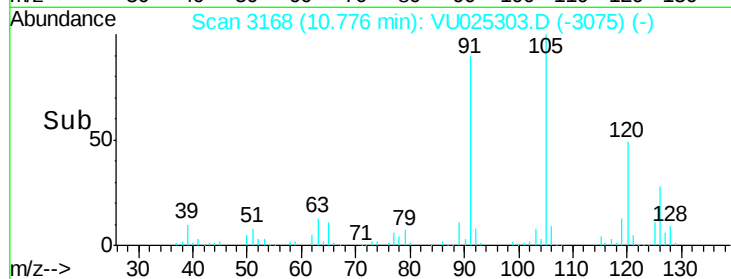
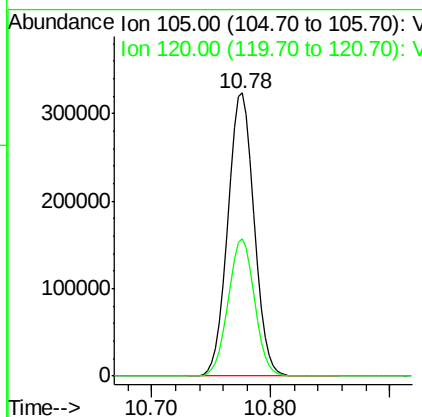
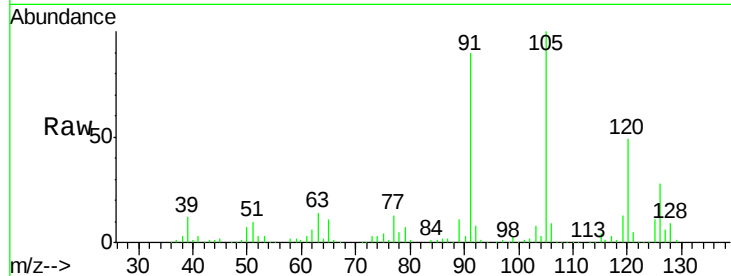
#80
 1,3,5-Trimethylbenzene
 Concen: 48.12 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion:105 Resp: 495052
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2

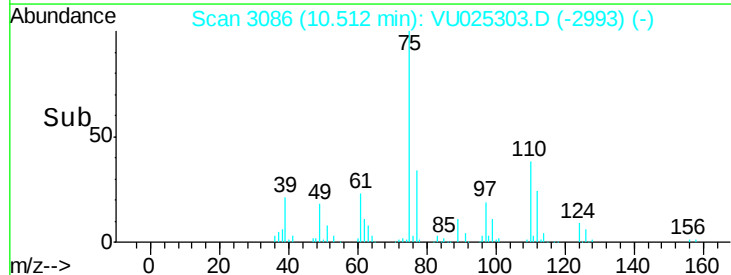
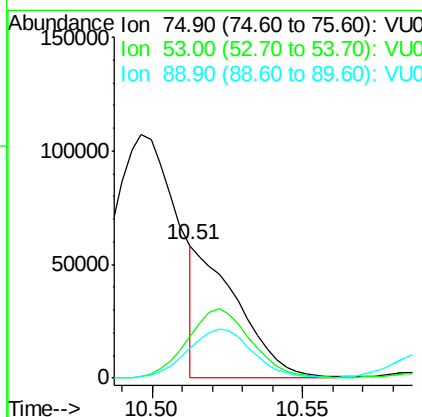
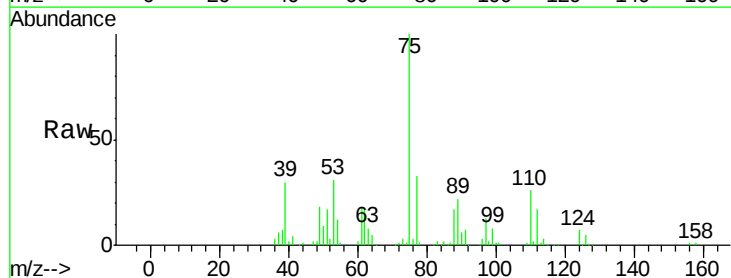
Manual Integrations
 APPROVED

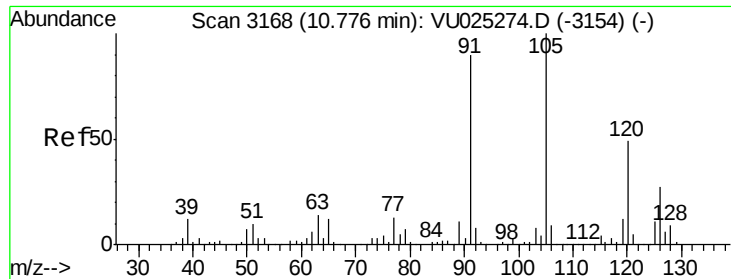
MMDadoda
 7/11/2018 5:05:59 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.56 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion: 75 Resp: 58081
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





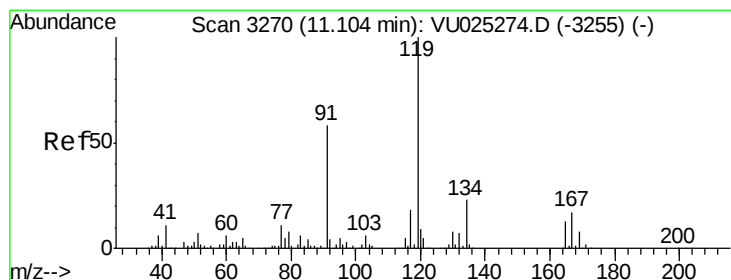
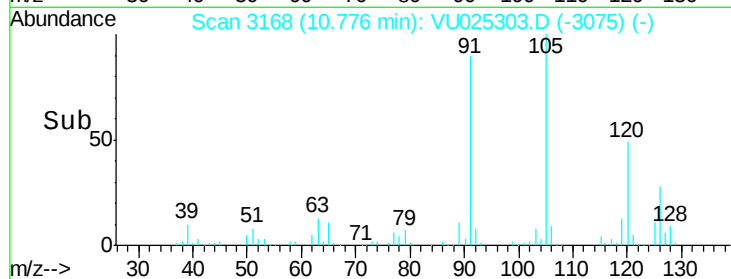
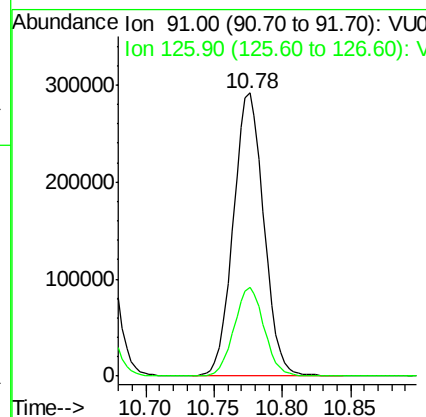
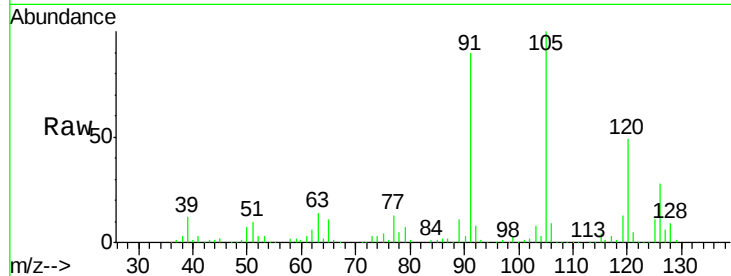
#82
4-Chlorotoluene
Concen: 47.03 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion: 91 Resp: 451835
Ion Ratio Lower Upper
91 100
126 31.0 15.3 45.9

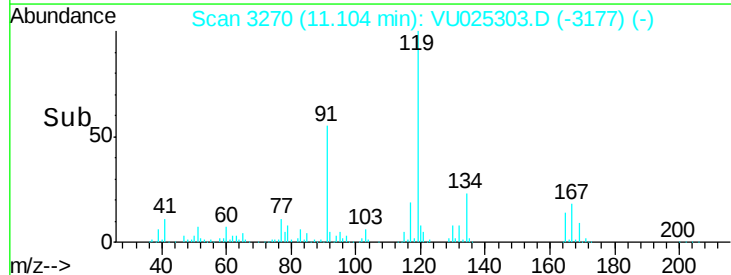
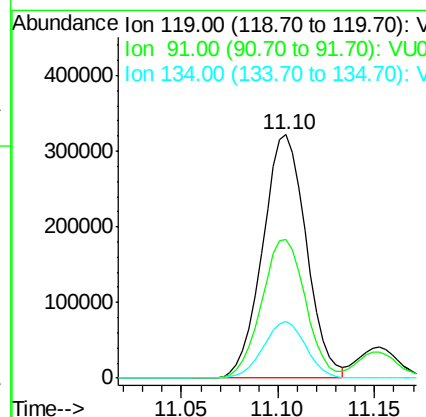
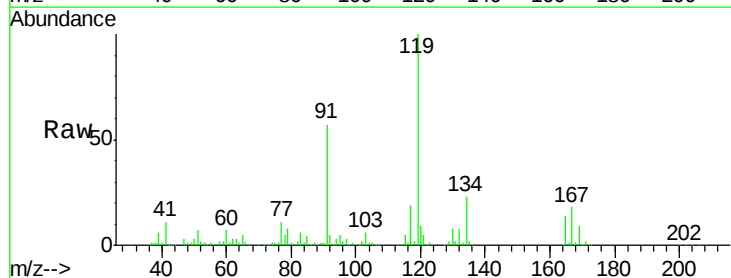
Manual Integrations
APPROVED

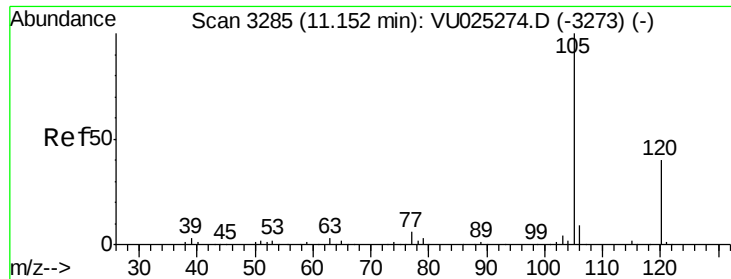
MMDadoda
7/11/2018 5:05:59 PM



#83
tert-Butylbenzene
Concen: 48.73 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion: 119 Resp: 506617
Ion Ratio Lower Upper
119 100
91 57.6 29.7 89.1
134 22.7 11.5 34.5





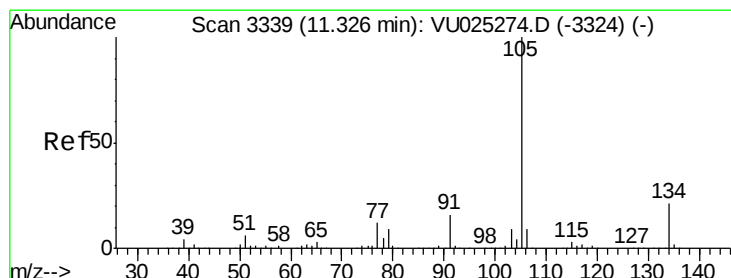
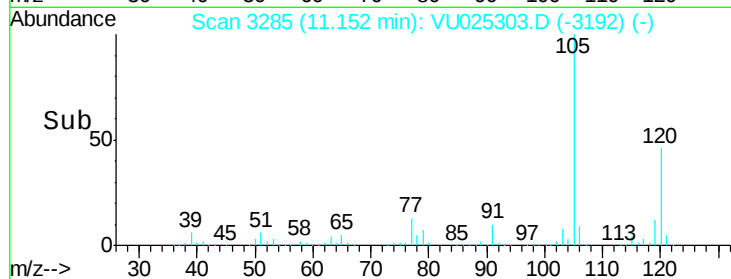
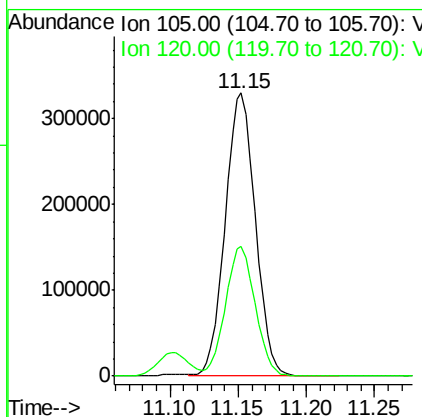
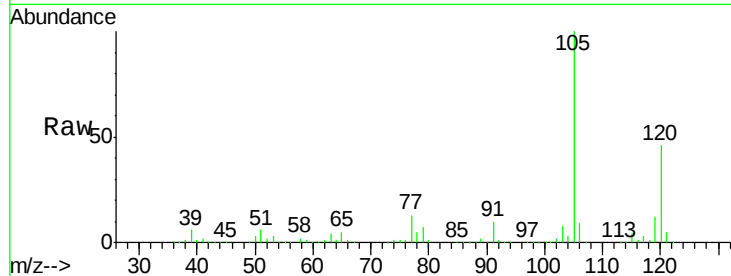
#84
1,2,4-Trimethylbenzene
Concen: 47.90 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.3	66.8

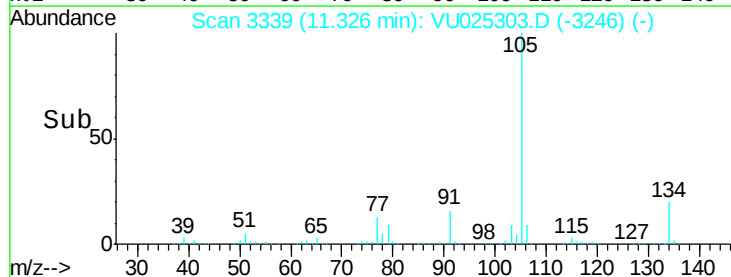
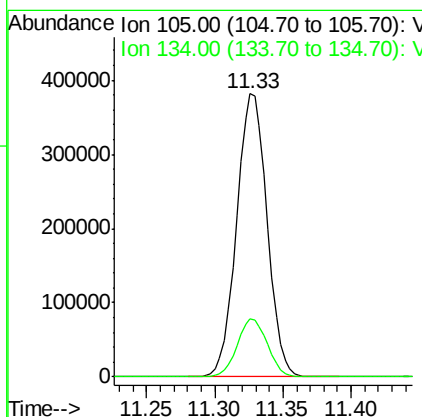
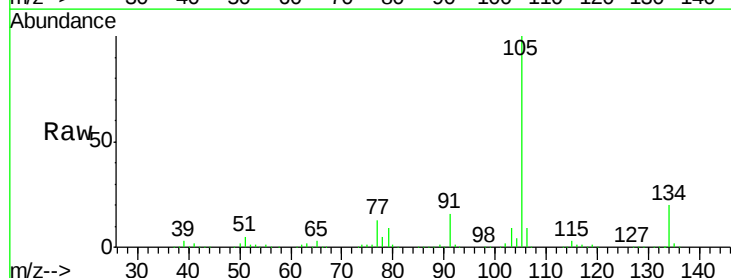
Manual Integrations
APPROVED

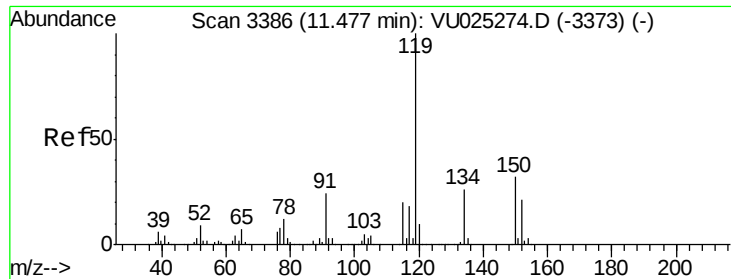
MMDadoda
7/11/2018 5:05:59 PM



#85
sec-Butylbenzene
Concen: 48.22 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8





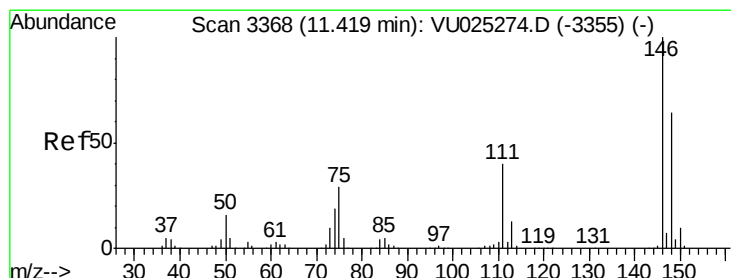
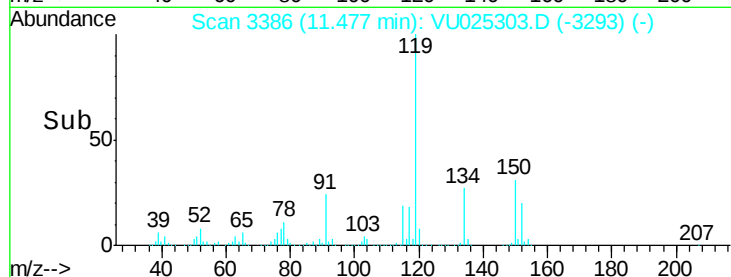
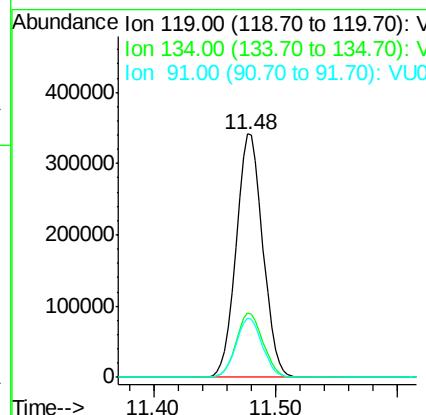
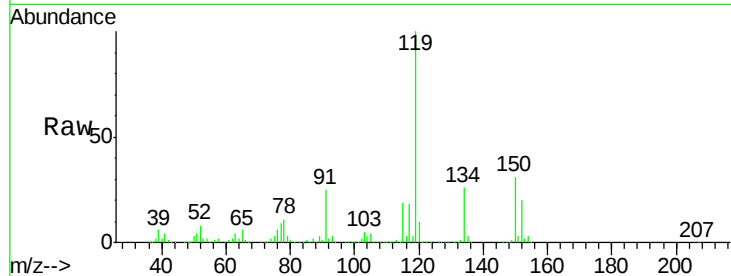
#86
 p-Isopropyltoluene
 Concen: 47.66 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	516509		
134	26.6		13.2	39.5
91	24.4		12.0	36.1

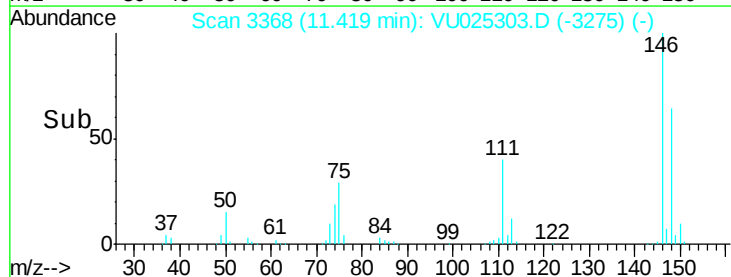
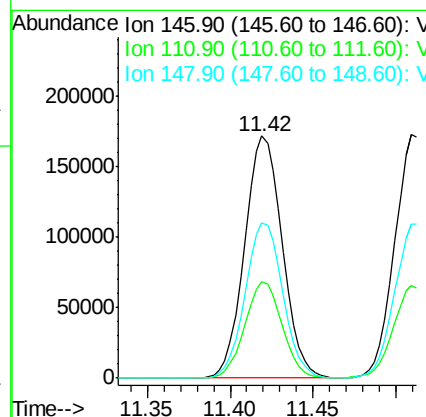
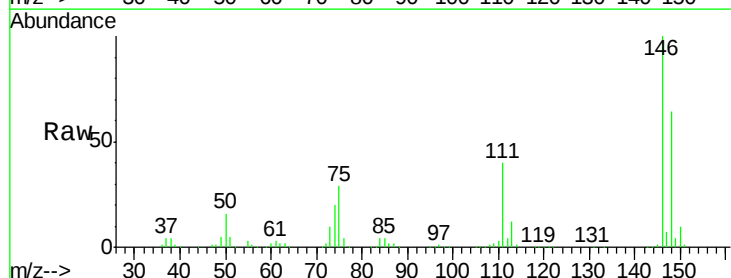
Manual Integrations
 APPROVED

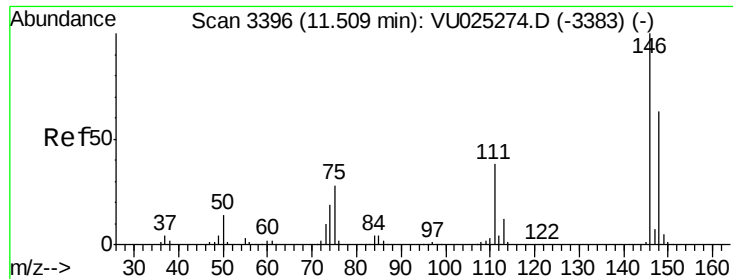
MMDadoda
 7/11/2018 5:05:59 PM



#87
 1,3-Dichlorobenzene
 Concen: 47.46 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	271281		
111	39.3		19.7	59.1
148	64.1		32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 48.71 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

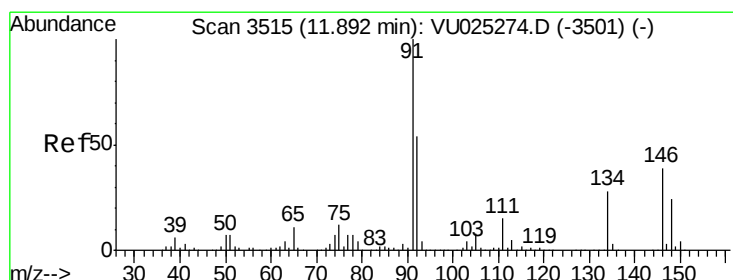
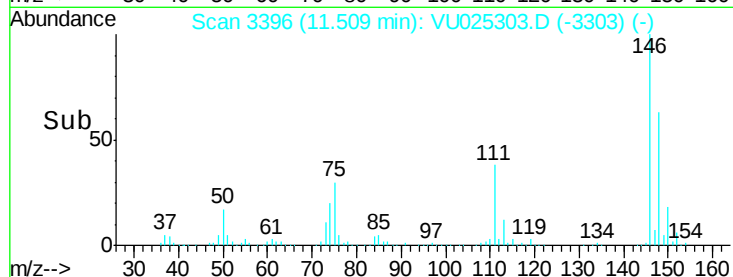
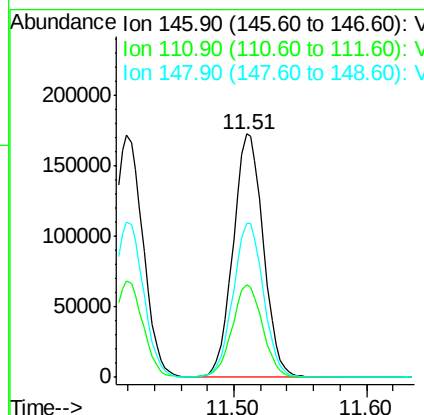
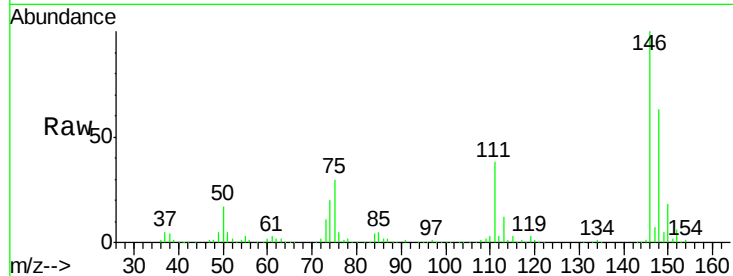
ClientSampleId :

BR-1-070518MSD

Tot Ion:	146	Resp:	271751
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.4	58.1
148	63.8	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



#89

n-Butylbenzene

Concen: 45.36 ug/l

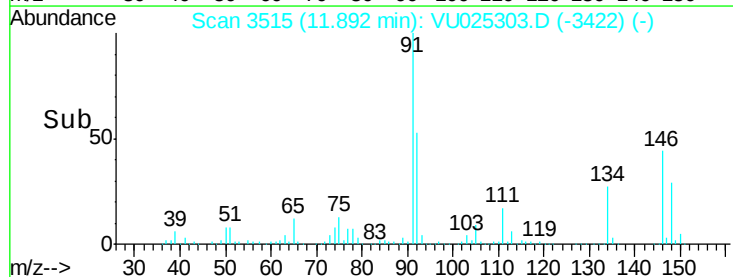
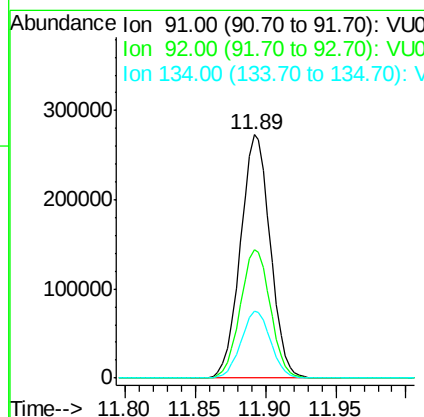
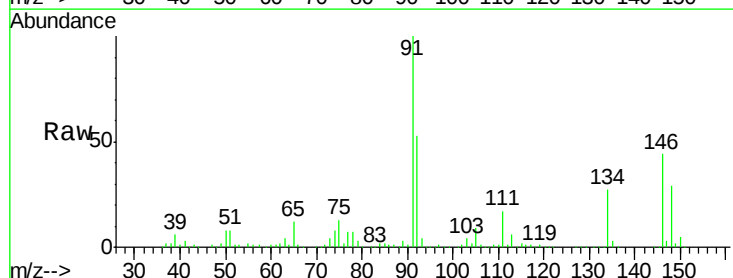
RT: 11.89 min Scan# 3515

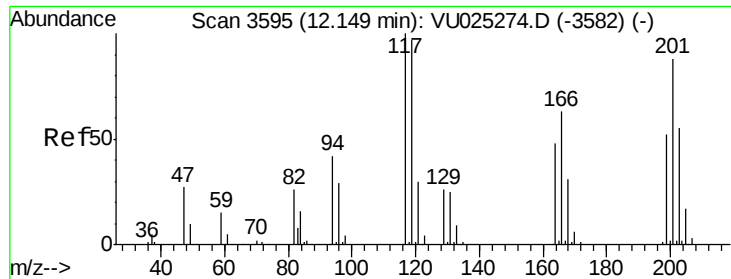
Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Tgt Ion:	91	Resp:	404165
Ion Ratio	Lower	Upper	
91	100		
92	53.6	26.5	79.5
134	27.2	13.6	40.7





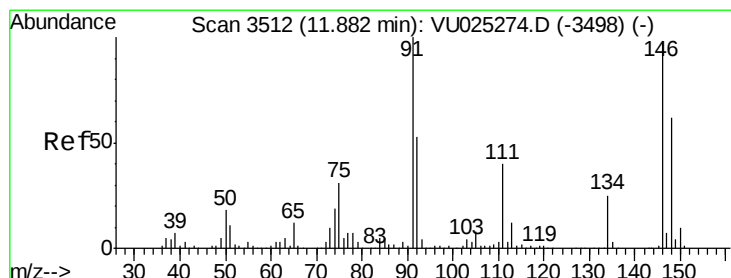
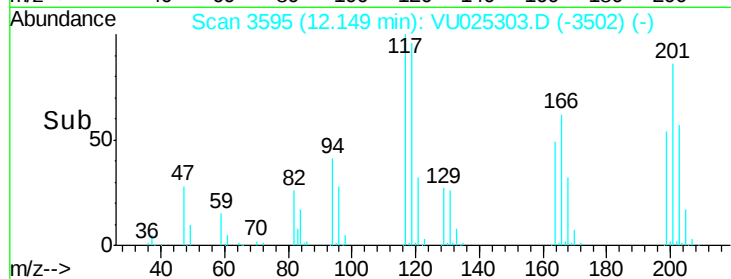
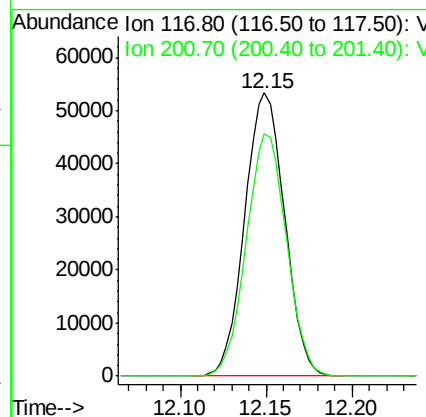
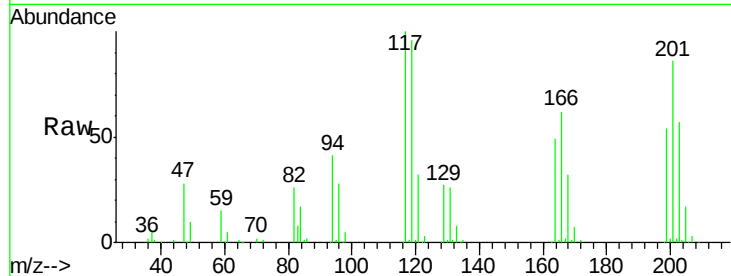
#90
Hexachloroethane
Concen: 47.00 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Instrument :
MSVOA_U
ClientSampleId :
BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.5	127.6

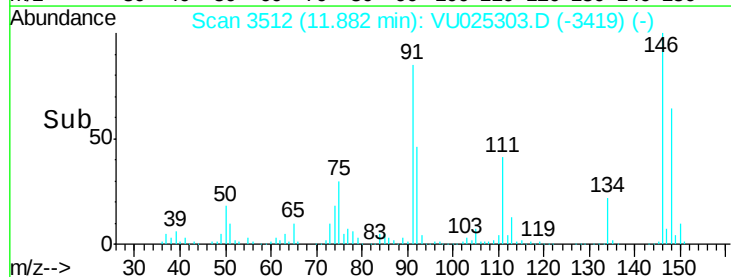
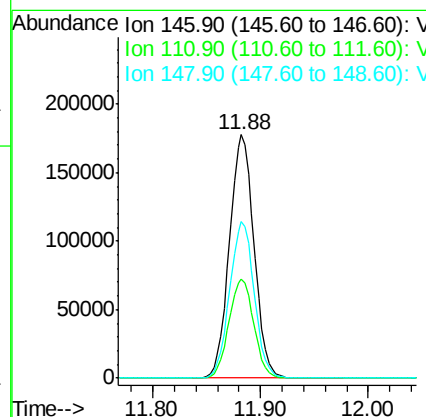
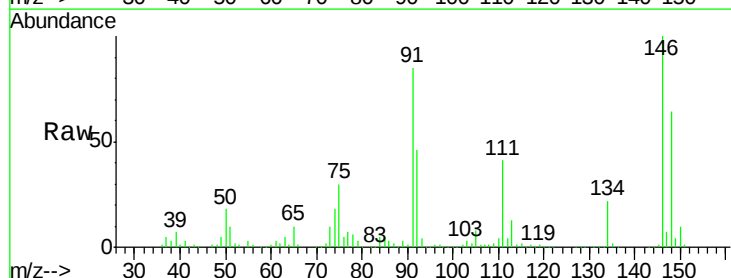
Manual Integrations
APPROVED

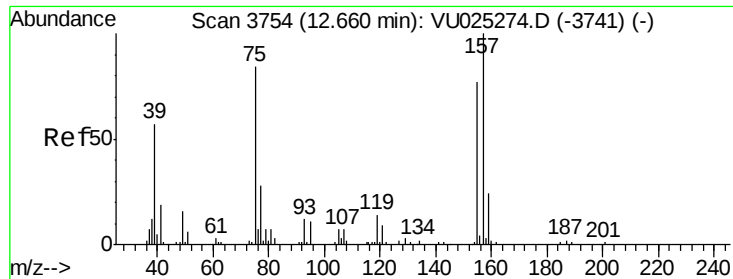
MMDadoda
7/11/2018 5:05:59 PM



#91
1,2-Dichlorobenzene
Concen: 48.87 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025303.D
Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.8
148	64.3	31.5	94.5





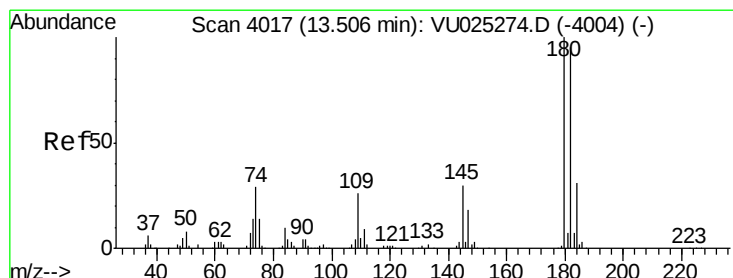
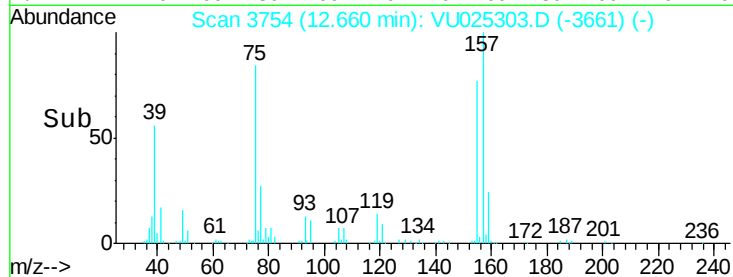
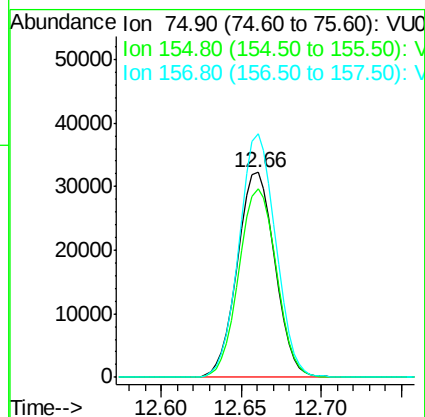
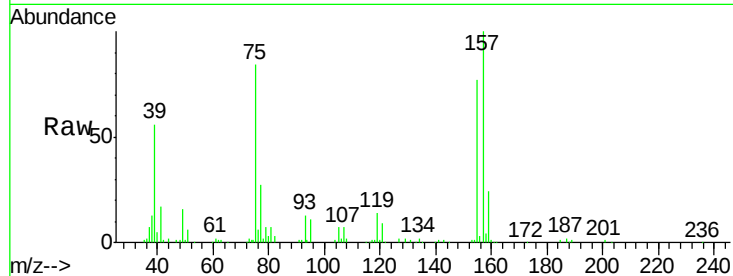
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.31 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.5	133.3
157	115.4	57.0	170.8

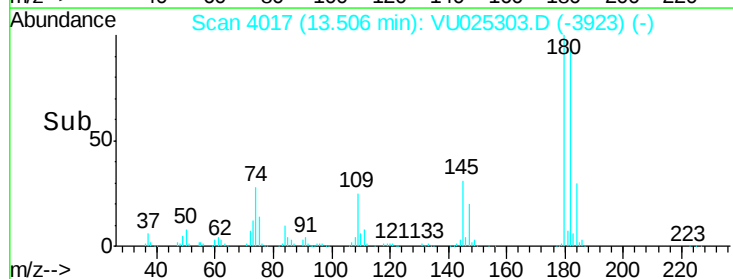
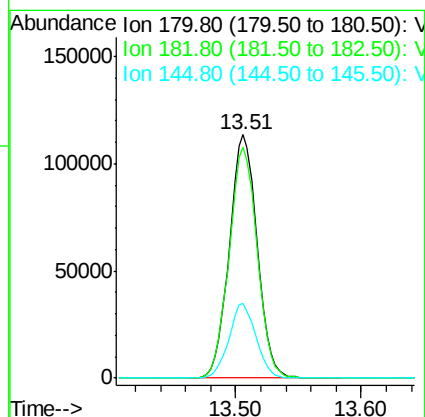
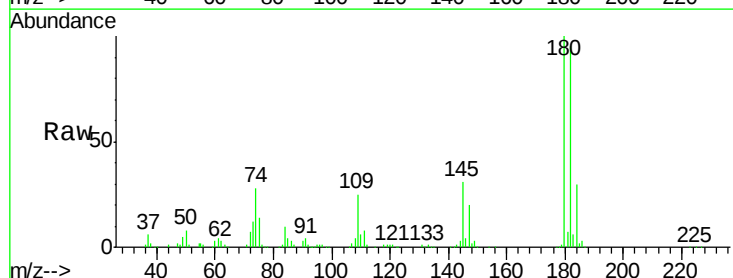
Manual Integrations
 APPROVED

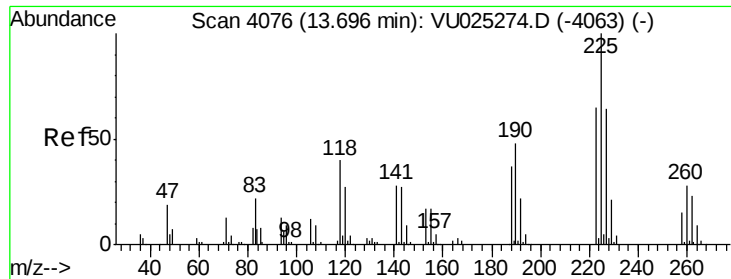
MMDadoda
 7/11/2018 5:05:59 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 45.49 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	29.8	14.9	44.7





#94

Hexachlorobutadiene

Concen: 43.95 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025303.D

Acq: 10 Jul 2018 20:57

Instrument :

MSVOA_U

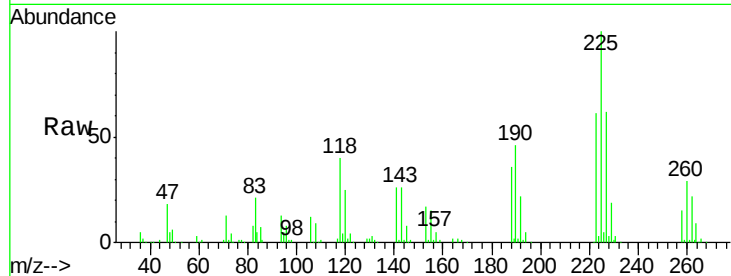
ClientSampleId :

BR-1-070518MSD

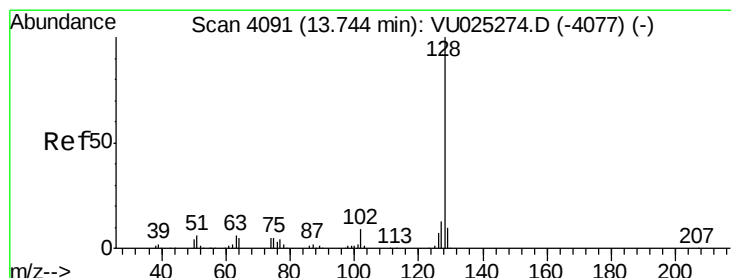
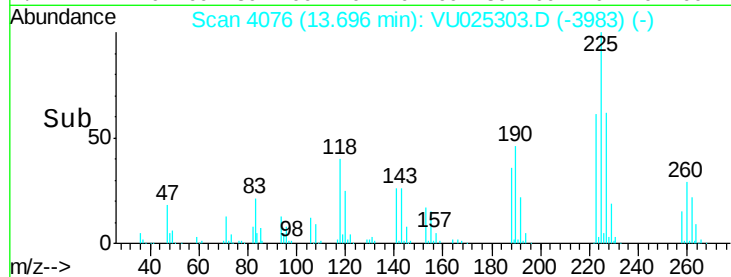
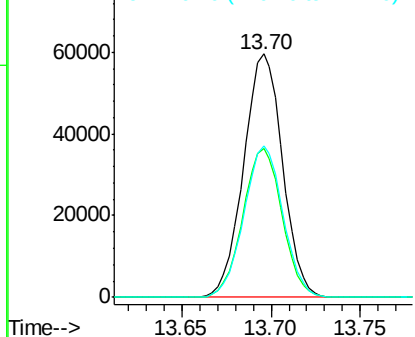
Tot Ion:	225	Resp:	90747
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.9	95.7
227	62.4	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
7/11/2018 5:05:59 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 51.82 ug/l

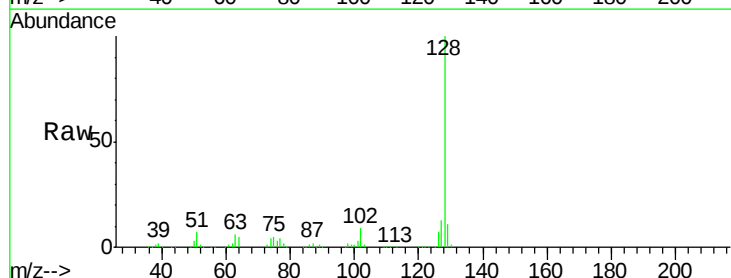
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

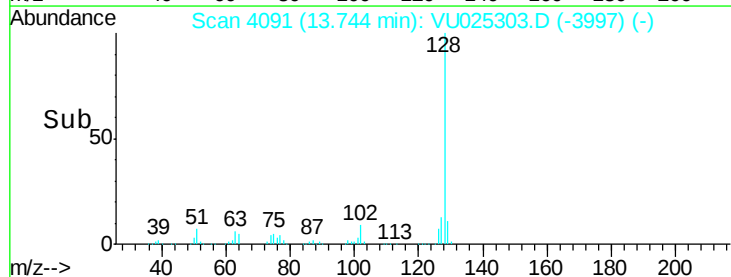
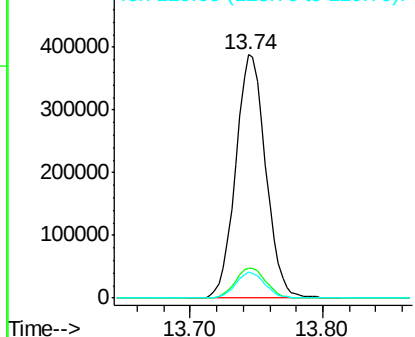
Lab File: VU025303.D

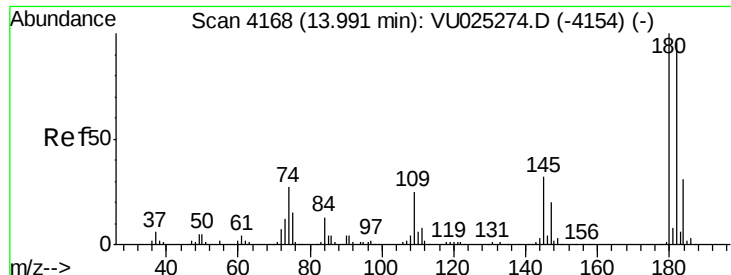
Acq: 10 Jul 2018 20:57

Tgt Ion:	128	Resp:	609936
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.5	8.3	12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 48.07 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025303.D
 Acq: 10 Jul 2018 20:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BR-1-070518MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.8	143.3
145	31.1	15.6	46.8

Manual Integrations
 APPROVED

MMDadoda
 7/11/2018 5:05:59 PM

