

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025342.D
 Acq On : 12 Jul 2018 16:19
 Operator : MD/SY
 Sample : VU0712WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:16 AM

Quant Time: Jul 13 01:41:43 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	168831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	238144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125429	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	4.89	113	102465	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	7.57	98	332066	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	10.31	95	135911	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32401	18.544	ug/l	99
3) Chloromethane	1.33	50	33239	19.442	ug/l	99
4) Vinyl Chloride	1.40	62	36288	18.900	ug/l	99
5) Bromomethane	1.62	94	23135	20.445	ug/l	95
6) Chloroethane	1.70	64	24952	20.607	ug/l	95
7) Trichlorofluoromethane	1.89	101	60870	20.172	ug/l	97
8) Diethyl Ether	2.10	74	23095	20.395	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37737	20.181	ug/l	98
10) Methyl Iodide	2.41	142	36186	22.330	ug/l	99
11) Tert butyl alcohol	2.83	59	60474	105.685	ug/l	98
12) 1,1-Dichloroethene	2.28	96	34102	19.927	ug/l	98
13) Acrolein	2.20	56	18770	49.584	ug/l	94
14) Allyl chloride	2.59	41	59032	19.020	ug/l	98
15) Acrylonitrile	2.94	53	122987	104.542	ug/l	99
16) Acetone	2.32	43	137324	105.467	ug/l	99
17) Carbon Disulfide	2.48	76	79607	17.234	ug/l	98
18) Methyl Acetate	2.62	43	61517	22.907	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141344	21.713	ug/l	100
20) Methylene Chloride	2.70	84	42751	21.468	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	37437	19.142	ug/l	99
22) Diisopropyl ether	3.57	45	137302	21.662	ug/l	96
23) Vinyl Acetate	3.53	43	579400	104.203	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76888	21.509	ug/l	99
25) 2-Butanone	4.26	43	188387	103.620	ug/l	100
26) 2,2-Dichloropropane	4.23	77	70099	20.395	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	46467	20.535	ug/l	100
28) Bromochloromethane	4.55	49	36651	21.233	ug/l	98
29) Tetrahydrofuran	4.64	42	114369	104.878	ug/l	98
30) Chloroform	4.68	83	81520	21.534	ug/l	100
31) Cyclohexane	5.00	56	65771	20.301	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	73062	21.296	ug/l	100
36) 1,1-Dichloropropene	5.14	75	54072	18.943	ug/l	99
37) Ethyl Acetate	4.38	43	67091	21.076	ug/l	99
38) Carbon Tetrachloride	5.14	117	60957	19.841	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025342.D
 Acq On : 12 Jul 2018 16:19
 Operator : MD/SY
 Sample : VU0712WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0712WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:16 AM

Quant Time: Jul 13 01:41:43 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	65285	18.336	ug/l	98
40) Benzene	5.39	78	166077	20.190	ug/l	98
41) Methacrylonitrile	4.54	41	36810	20.856	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68778	21.034	ug/l	100
43) Isopropyl Acetate	5.55	43	106419	20.876	ug/l	100
44) Trichloroethene	6.19	130	45764	19.376	ug/l	100
45) 1,2-Dichloropropane	6.44	63	44969	20.872	ug/l	99
46) Dibromomethane	6.56	93	31338	19.987	ug/l	99
47) Bromodichloromethane	6.76	83	58443	20.065	ug/l	98
48) Methyl methacrylate	6.63	41	53240	20.950	ug/l	99
49) 1,4-Dioxane	6.62	88	26204	428.517	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344481	103.969	ug/l	99
52) Toluene	7.64	92	106451	20.341	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	62840	19.636	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	66925	19.650	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	44141	20.252	ug/l	97
56) Ethyl methacrylate	8.02	69	67919	19.952	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74727	20.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	124366	82.085	ug/l	100
59) 2-Hexanone	8.36	43	272169	101.271	ug/l	99
60) Dibromochloromethane	8.48	129	46752	19.862	ug/l	99
61) 1,2-Dibromoethane	8.59	107	48320	20.719	ug/l	98
64) Tetrachloroethene	8.23	164	43001	19.809	ug/l	98
65) Chlorobenzene	9.12	112	119029	20.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	44578	20.948	ug/l	97
67) Ethyl Benzene	9.25	91	205592	20.271	ug/l	99
68) m/p-Xylenes	9.38	106	158816	40.503	ug/l	97
69) o-Xylene	9.78	106	80205	20.431	ug/l	97
70) Styrene	9.80	104	127728	20.483	ug/l	100
71) Bromoform	9.96	173	34978	20.034	ug/l #	100
73) Isopropylbenzene	10.17	105	219342	20.810	ug/l	99
74) N-amyl acetate	10.01	43	88920	21.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73349	21.271	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	61583m	22.129	ug/l	
77) Bromobenzene	10.45	156	55480	20.574	ug/l	98
78) n-propylbenzene	10.59	91	238335	20.377	ug/l	100
79) 2-Chlorotoluene	10.66	91	147351	22.022	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	184856	20.843	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21234m	19.321	ug/l	
82) 4-Chlorotoluene	10.78	91	164989	19.922	ug/l	100
83) tert-Butylbenzene	11.10	119	186036	20.757	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	185575	20.416	ug/l	100
85) sec-Butylbenzene	11.33	105	217431	20.604	ug/l	100
86) p-Isopropyltoluene	11.48	119	189776	20.310	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	97022	19.688	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	97275	21.095	ug/l	97
89) n-Butylbenzene	11.89	91	143001	18.617	ug/l	100
90) Hexachloroethane	12.15	117	29784	18.825	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	101631	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17430	20.840	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
Data File : VU025342.D
Acq On : 12 Jul 2018 16:19
Operator : MD/SY
Sample : VU0712WBS02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

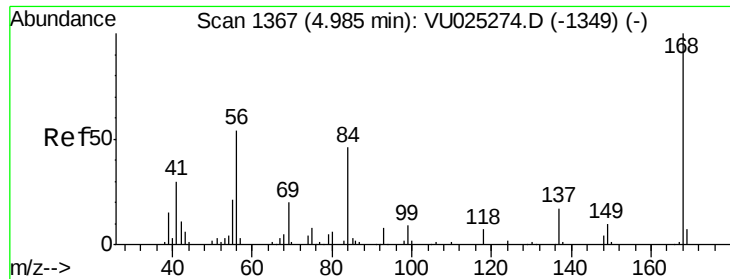
Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM

Quant Time: Jul 13 01:41:43 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)
93) 1,2,4-Trichlorobenzene	13.51	180	59969	20.096	ug/l	100
94) Hexachlorobutadiene	13.70	225	34040	19.123	ug/l	98
95) Naphthalene	13.75	128	187815	20.061	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62426	20.045	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion:168 Resp: 168831

Ion Ratio Lower Upper

168 100

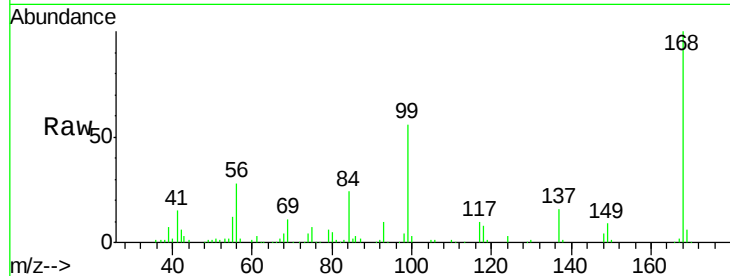
99 55.8 42.8 64.2

Manual Integrations

APPROVED

MMDadoda

7/13/2018 11:44:16 AM



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

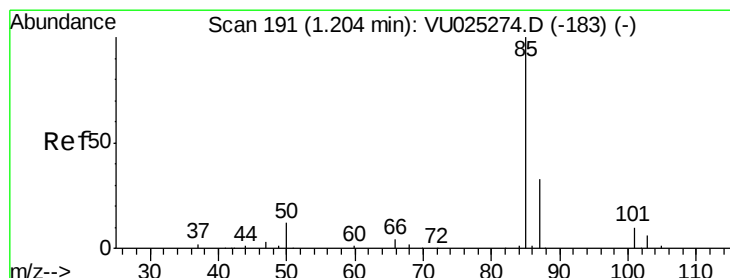
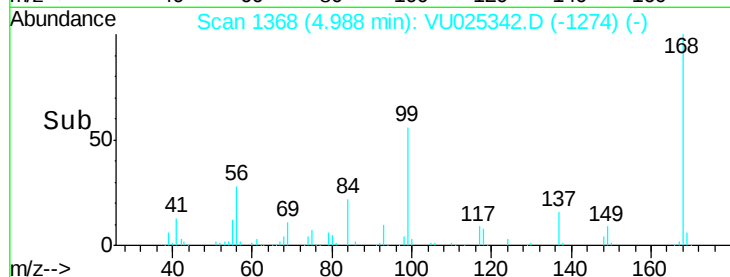
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.544 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025342.D

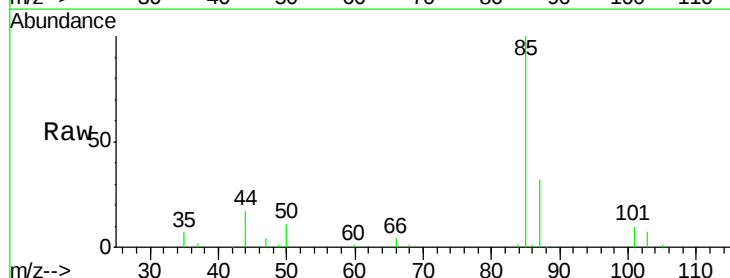
Acq: 12 Jul 2018 16:19

Tgt Ion: 85 Resp: 32401

Ion Ratio Lower Upper

85 100

87 32.4 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

30000

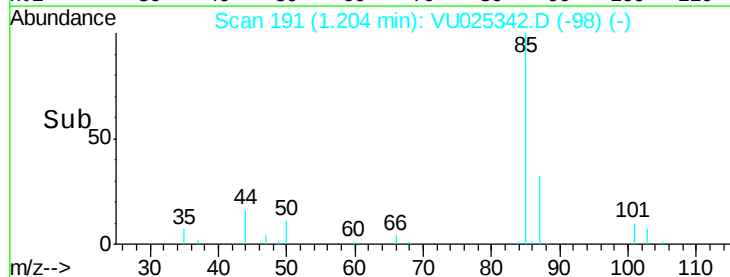
20000

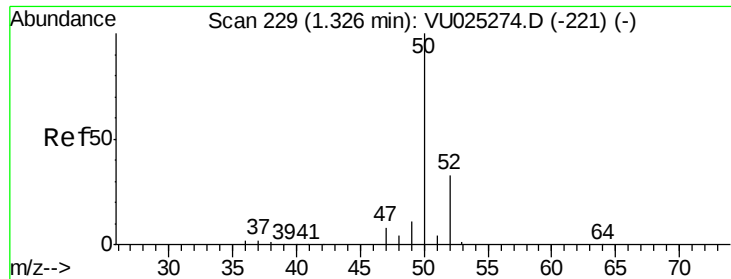
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.442 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 50 Resp: 33239

Ion Ratio Lower Upper

50 100

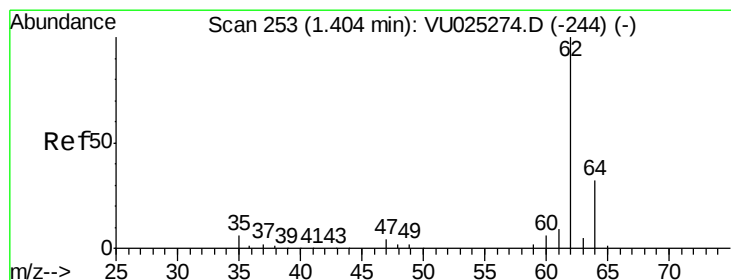
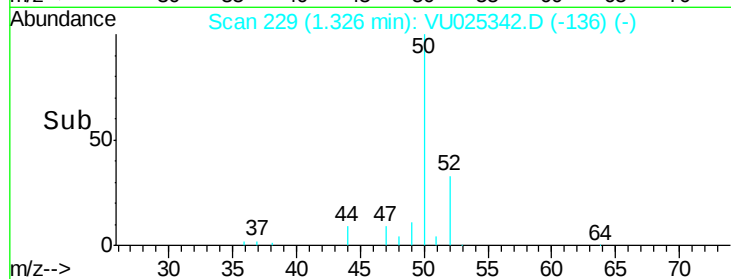
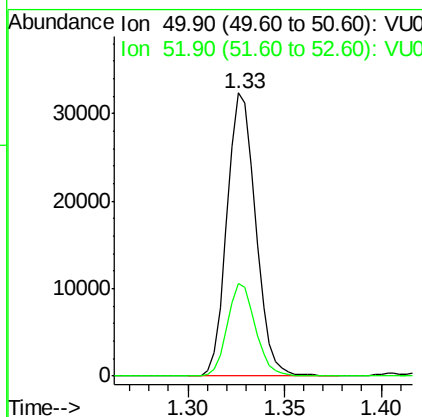
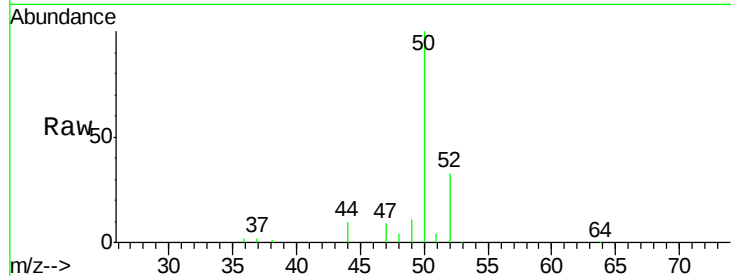
52 32.7 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

7/13/2018 11:44:16 AM



#4

Vinyl Chloride

Concen: 18.900 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025342.D

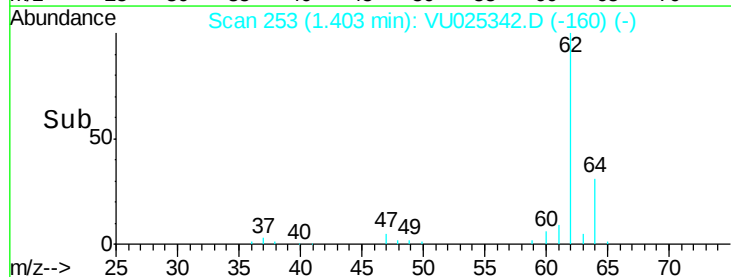
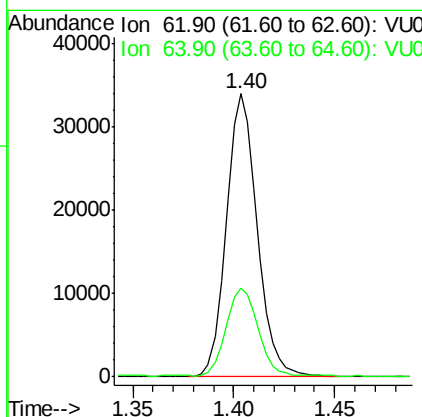
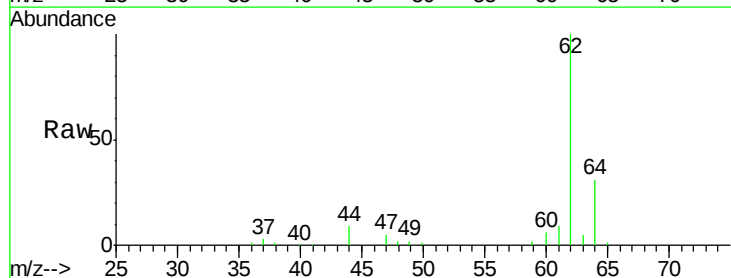
Acq: 12 Jul 2018 16:19

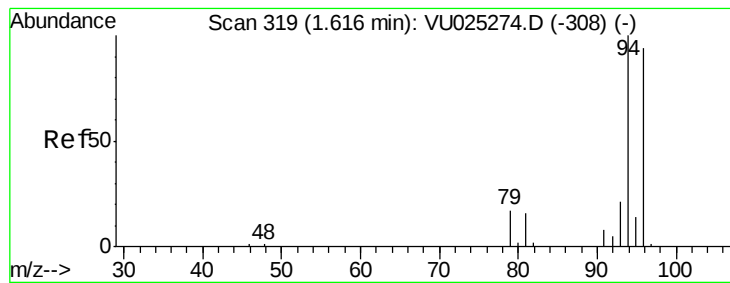
Tgt Ion: 62 Resp: 36288

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.0





#5

Bromomethane

Concen: 20.445 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.01 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 94 Resp: 23135

Ion Ratio Lower Upper

94 100

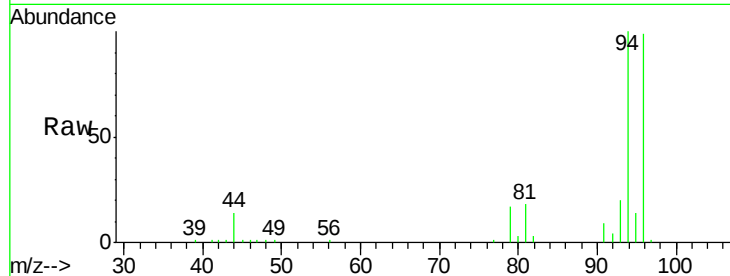
96 98.6 75.0 112.4

Manual Integrations

APPROVED

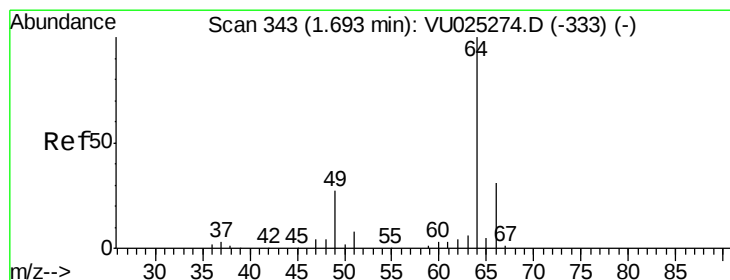
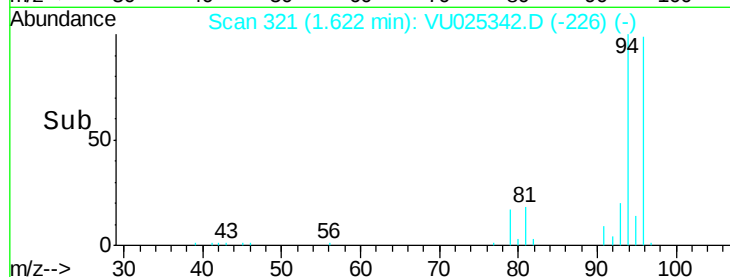
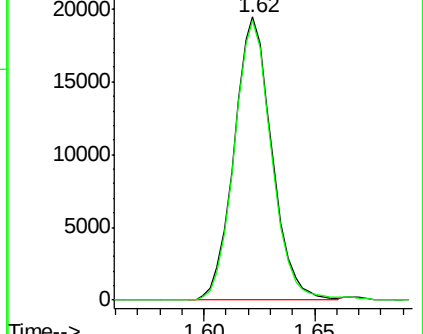
MMDadoda

7/13/2018 11:44:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.607 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025342.D

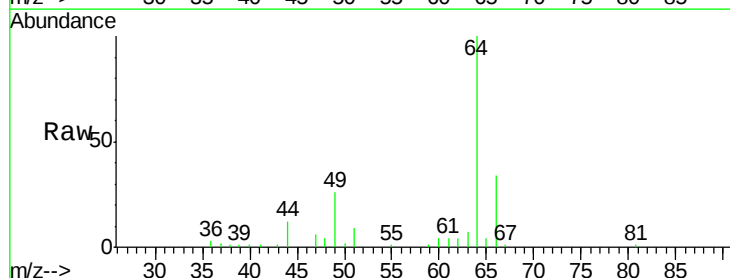
Acq: 12 Jul 2018 16:19

Tgt Ion: 64 Resp: 24952

Ion Ratio Lower Upper

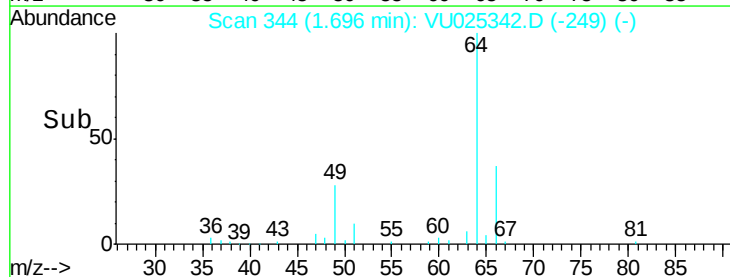
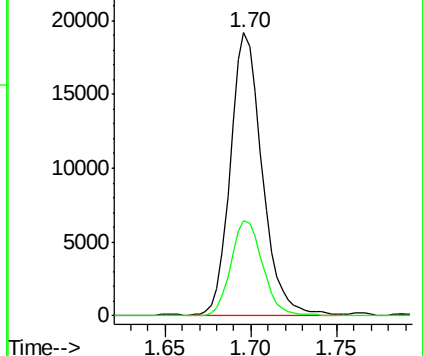
64 100

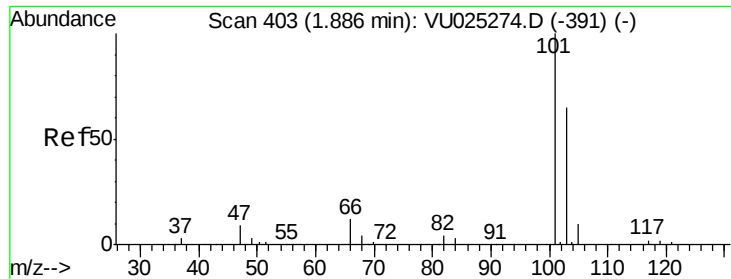
66 33.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

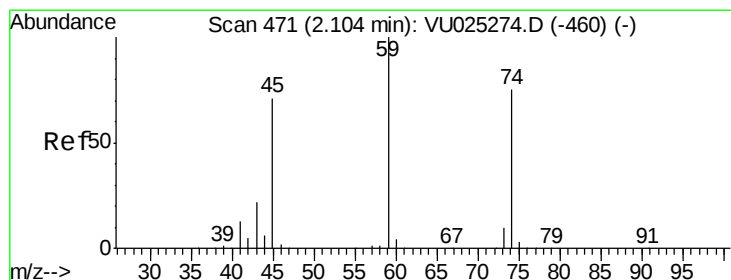
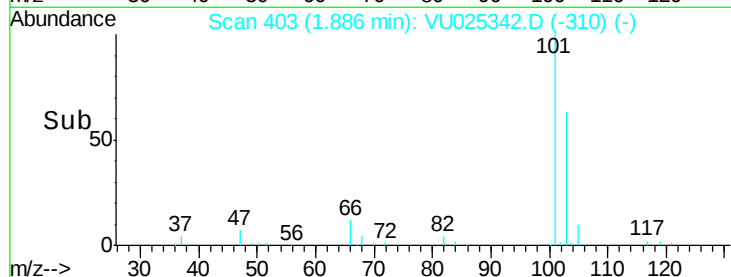
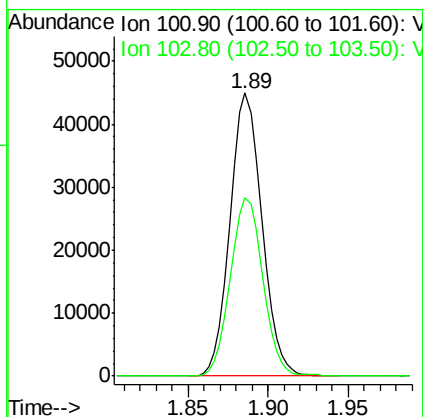
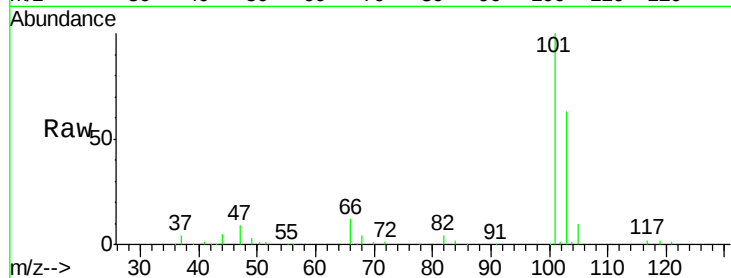
Trichlorofluoromethane
Concen: 20.172 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

Manual Integrations
APPROVED

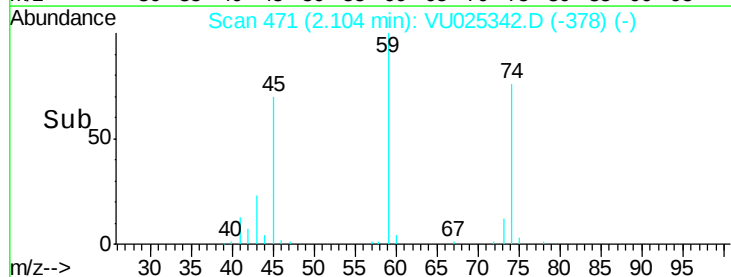
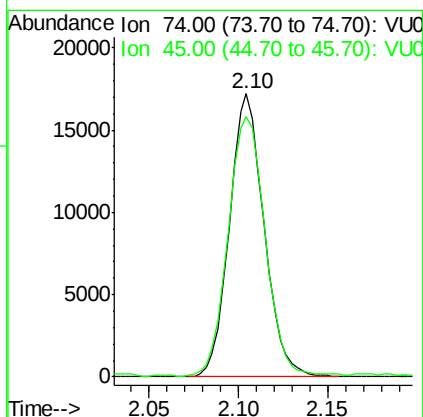
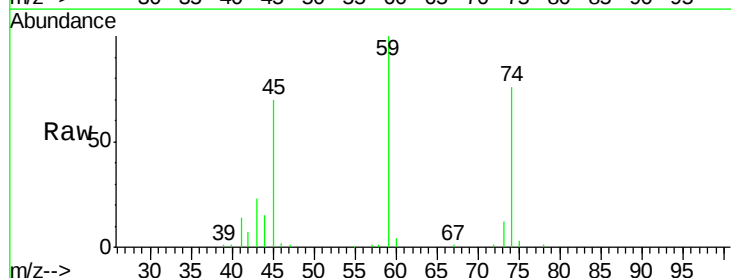
MMDadoda
7/13/2018 11:44:16 AM

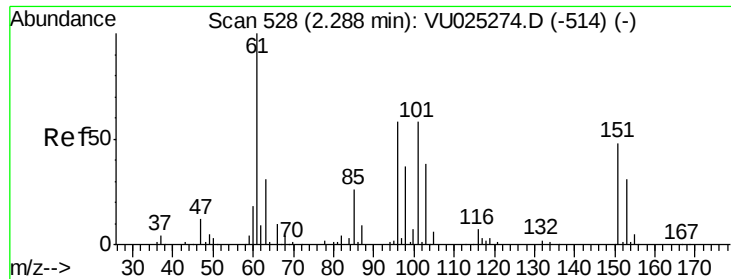


#8

Diethyl Ether
Concen: 20.395 ug/l
RT: 2.10 min Scan# 471
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.181 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

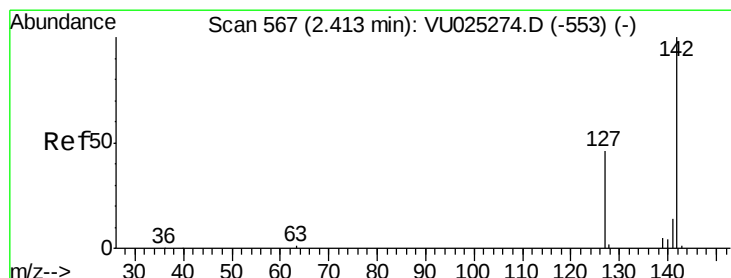
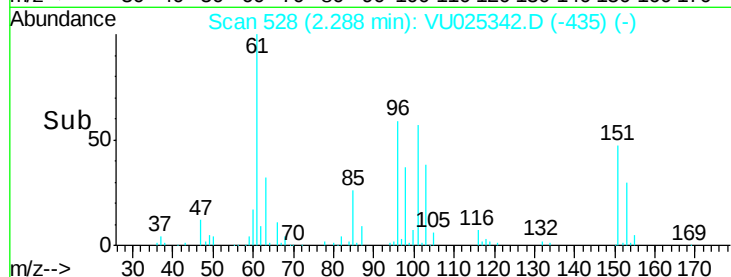
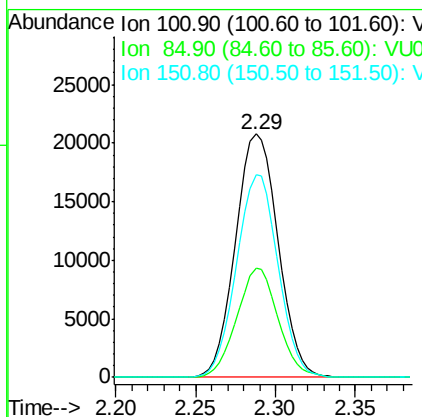
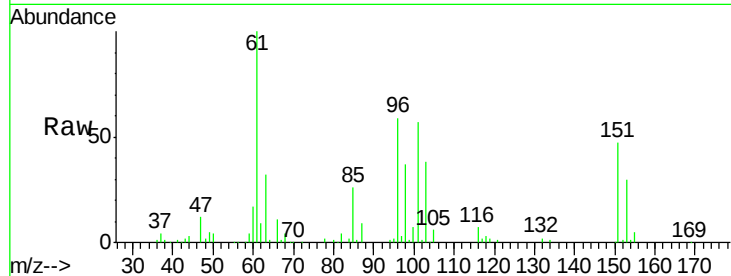
ClientSampleId :

VU0712WBS02

Tot Ion:	101	Resp:	37737
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.0	54.0
151	81.1	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#10

Methyl Iodide

Concen: 22.330 ug/l

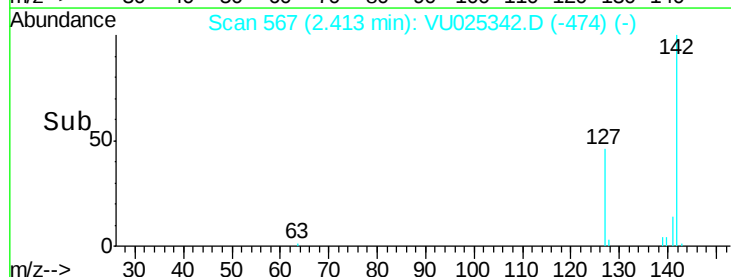
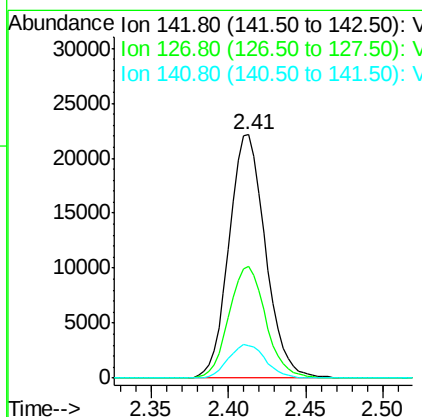
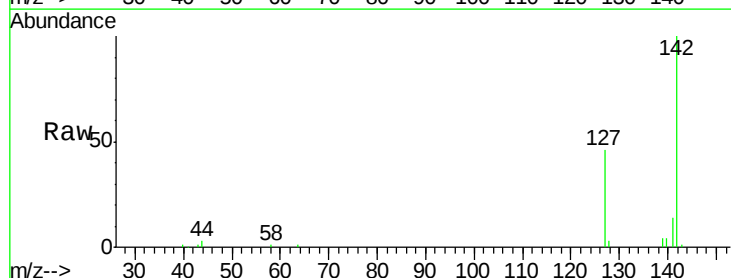
RT: 2.41 min Scan# 567

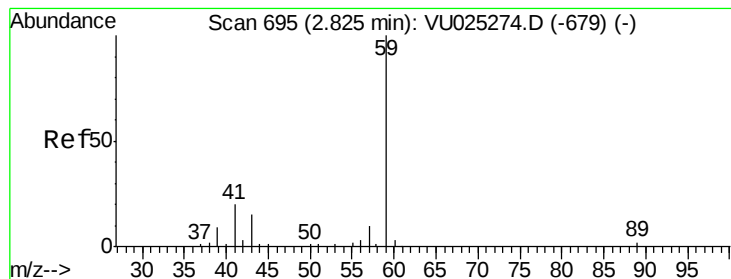
Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion:	142	Resp:	36186
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.5	54.7
141	14.0	11.4	17.2





#11

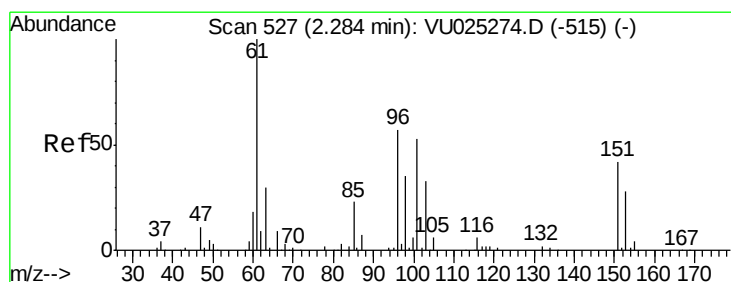
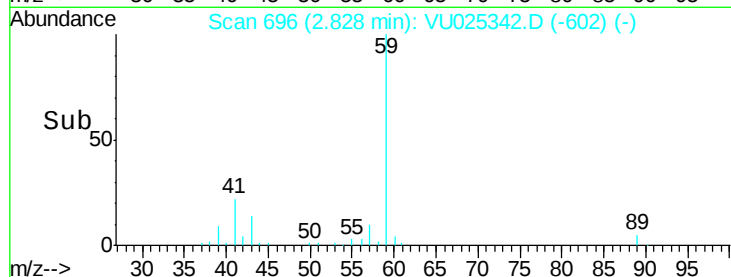
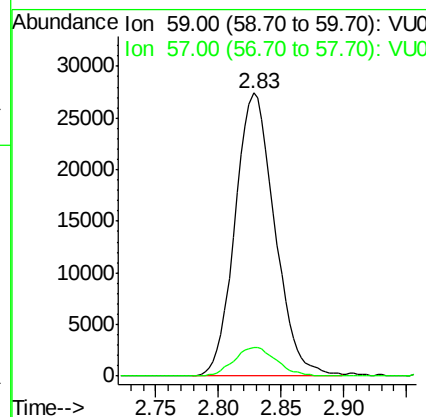
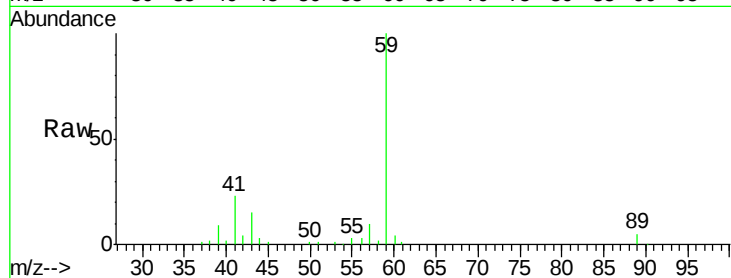
Tert butyl alcohol
 Concen: 105.685 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.2	12.2

Manual Integrations
 APPROVED

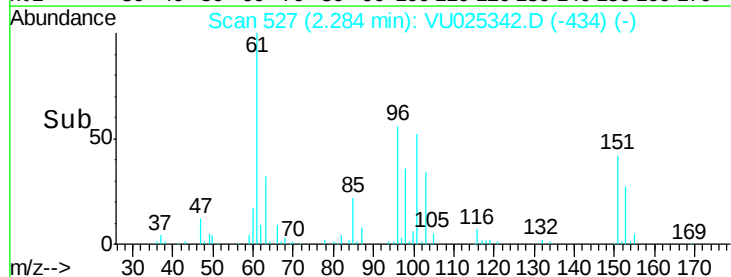
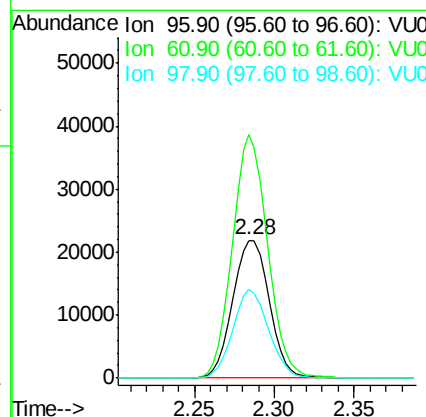
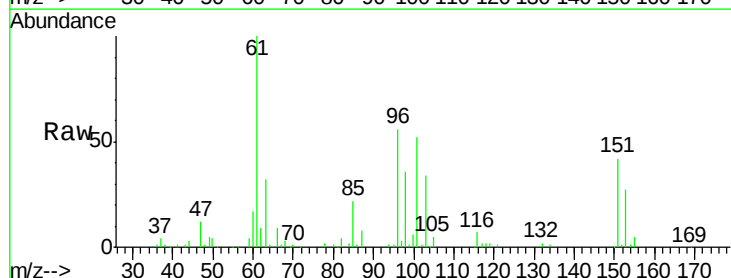
MMDadoda
 7/13/2018 11:44:16 AM

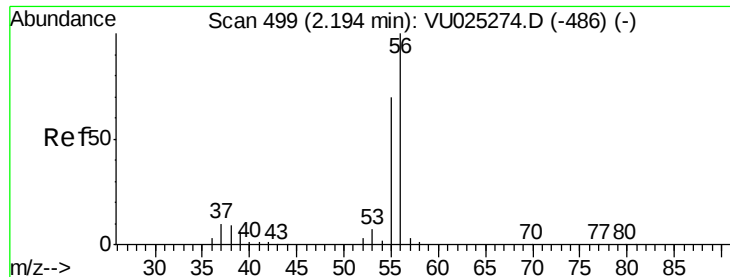


#12

1,1-Dichloroethene
 Concen: 19.927 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.0	140.2	210.4
98	64.6	49.3	73.9





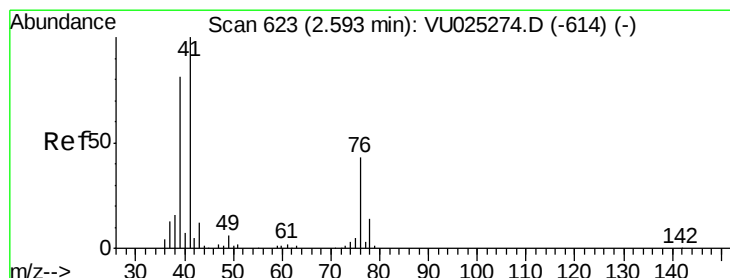
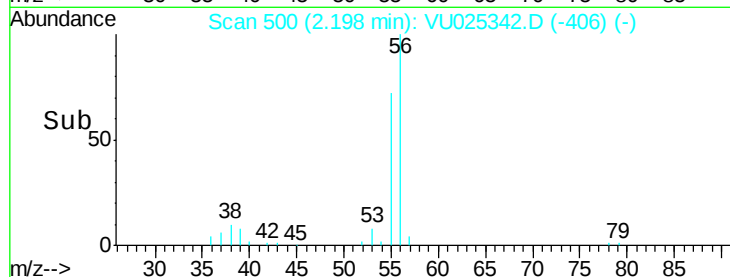
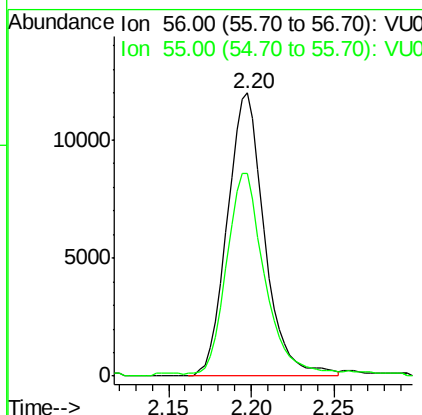
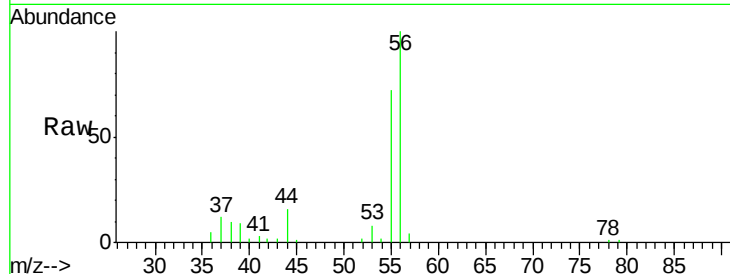
#13
Acrolein
Concen: 49.584 ug/l
RT: 2.20 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	56	Resp	18770
Ion Ratio	100	Lower	Upper
55	76.1	57.2	85.8

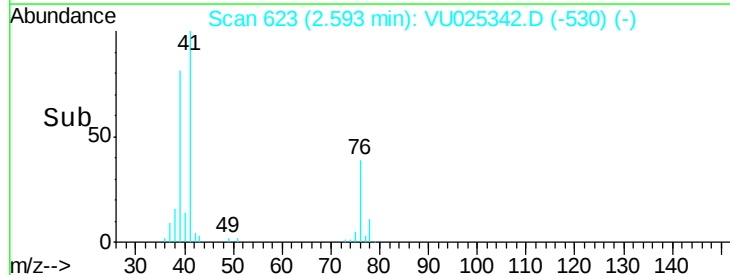
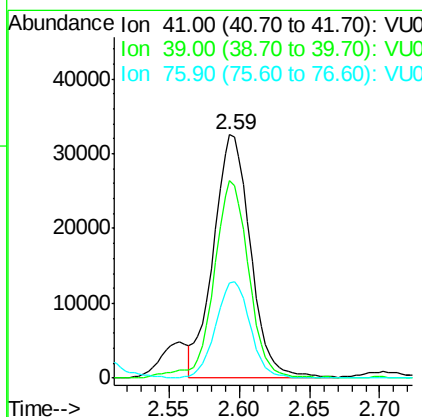
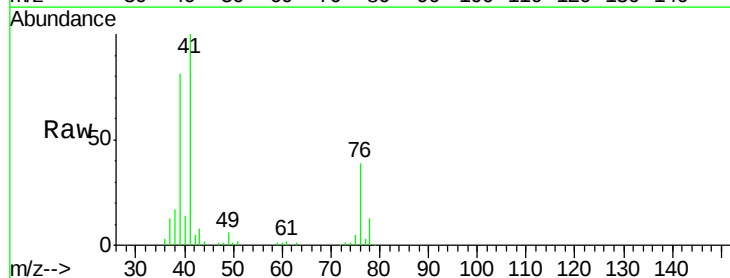
Manual Integrations
APPROVED

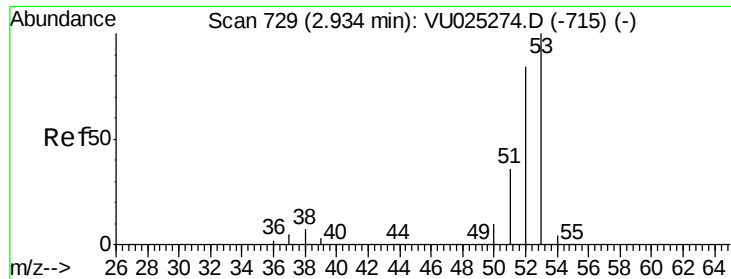
MMDadoda
7/13/2018 11:44:16 AM



#14
Allyl chloride
Concen: 19.020 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	41	Resp	59032
Ion Ratio	100	Lower	Upper
39	77.0	60.6	91.0
76	37.1	30.5	45.7





#15

Acrylonitrile

Concen: 104.542 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

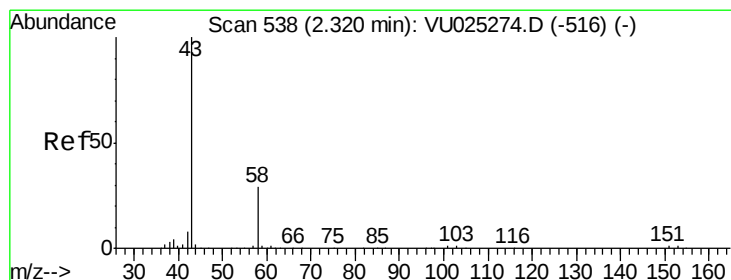
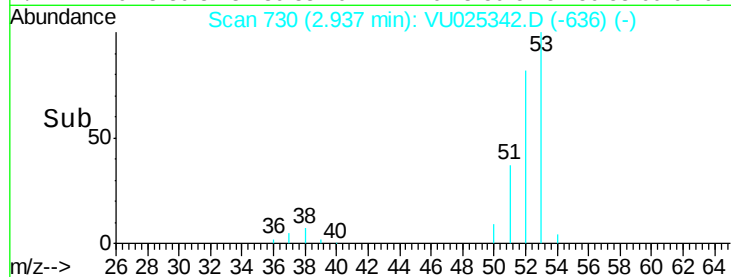
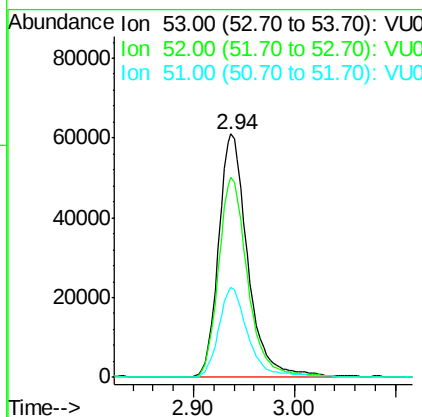
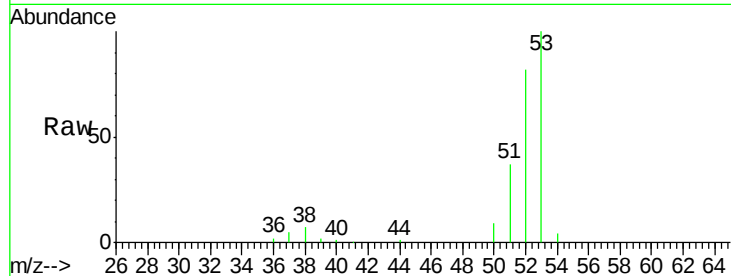
ClientSampleId :

VU0712WBS02

Tot Ion:	53	Resp:	122987
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.6	99.8
51	37.4	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#16

Acetone

Concen: 105.467 ug/l

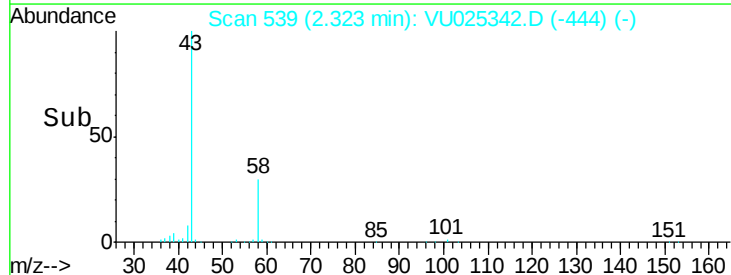
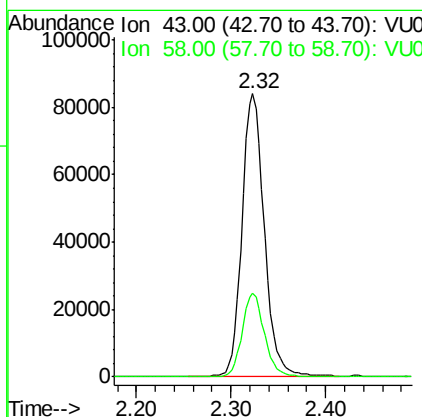
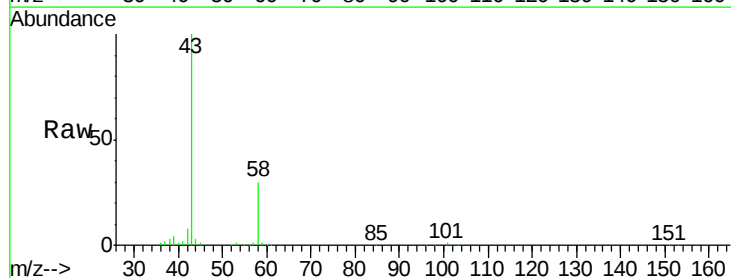
RT: 2.32 min Scan# 539

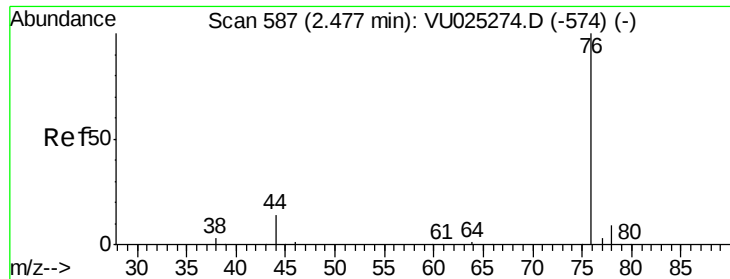
Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion:	43	Resp:	137324
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.1	34.7





#17

Carbon Disulfide

Concen: 17.234 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tot Ion: 76 Resp: 79607

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

Instrument :

MSVOA_U

ClientSampleId :

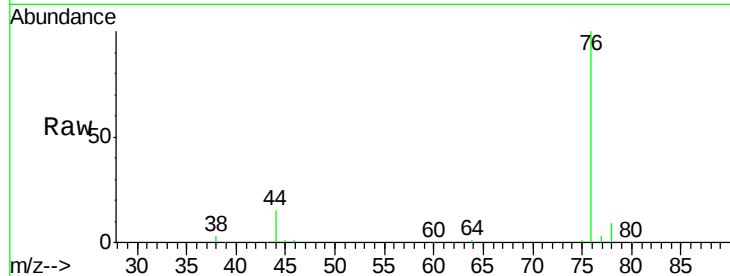
VU0712WBS02

Manual Integrations

APPROVED

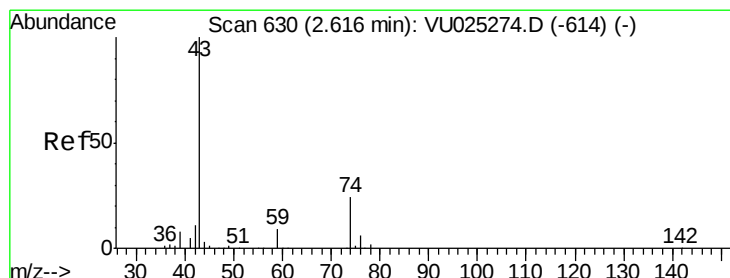
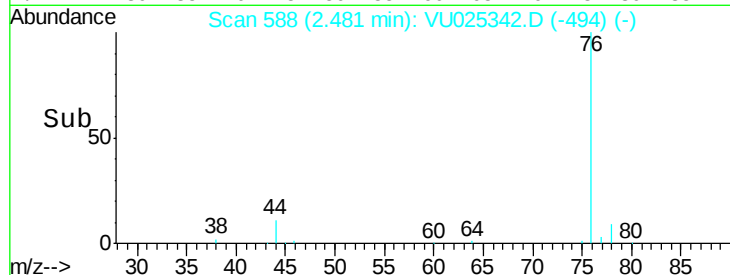
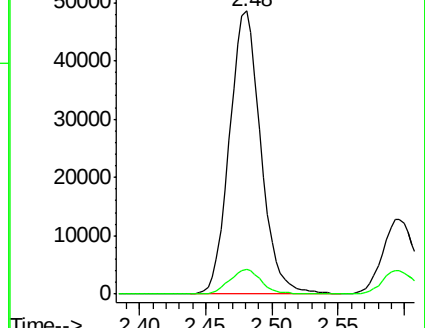
MMDadoda

7/13/2018 11:44:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 22.907 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025342.D

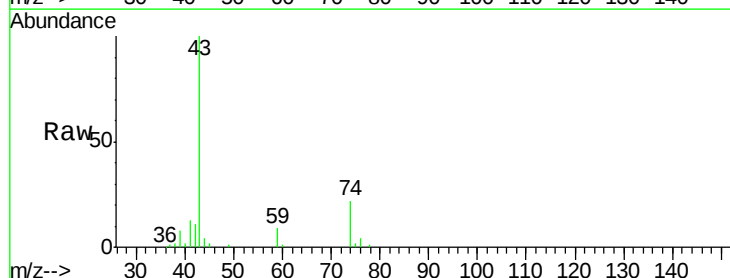
Acq: 12 Jul 2018 16:19

Tgt Ion: 43 Resp: 61517

Ion Ratio Lower Upper

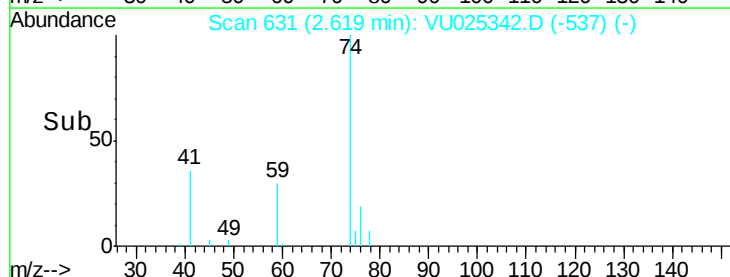
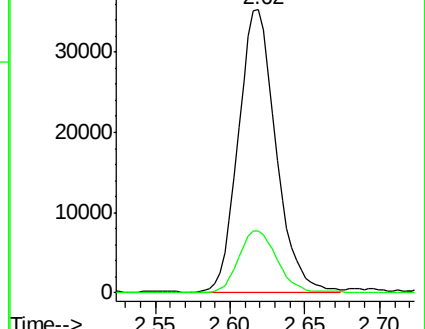
43 100

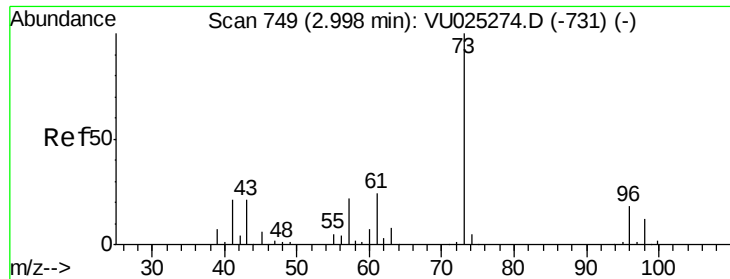
74 23.0 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





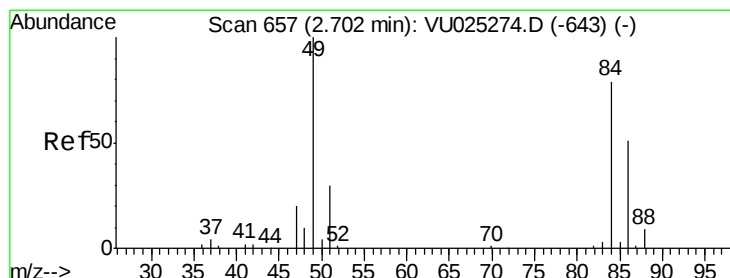
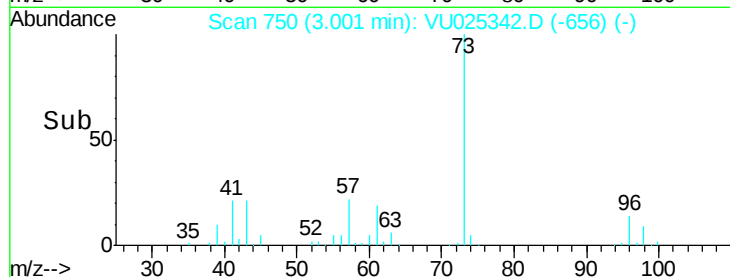
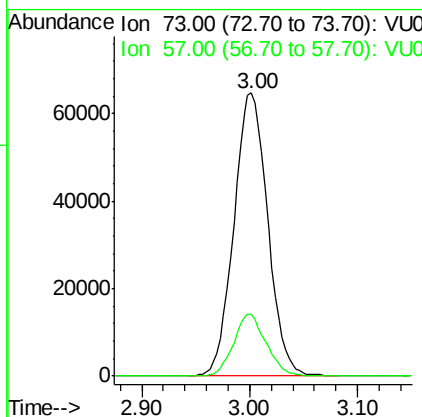
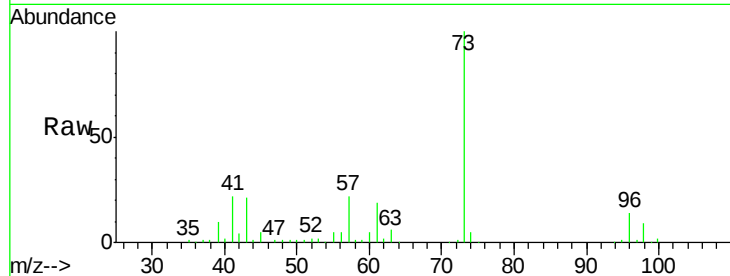
#19
Methyl tert-butyl Ether
Concen: 21.713 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 73 Resp: 141344
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2

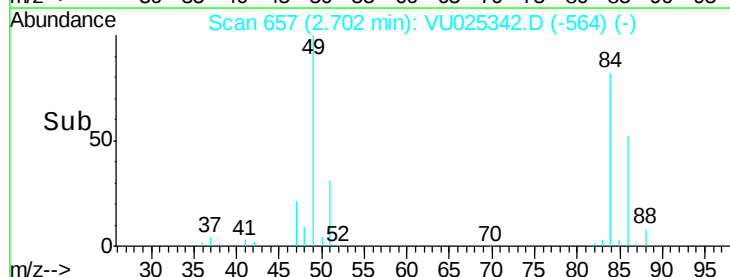
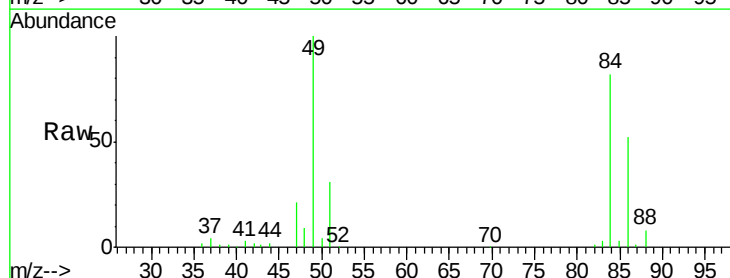
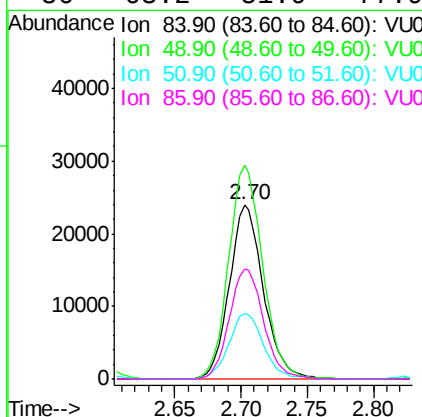
Manual Integrations
APPROVED

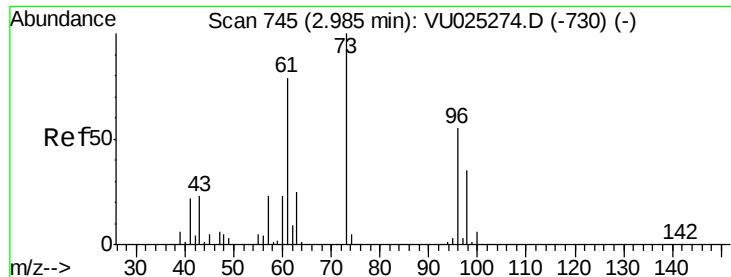
MMDadoda
7/13/2018 11:44:16 AM



#20
Methylene Chloride
Concen: 21.468 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 84 Resp: 42751
Ion Ratio Lower Upper
84 100
49 122.2 101.8 152.6
51 37.5 30.8 46.2
86 63.2 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.142 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

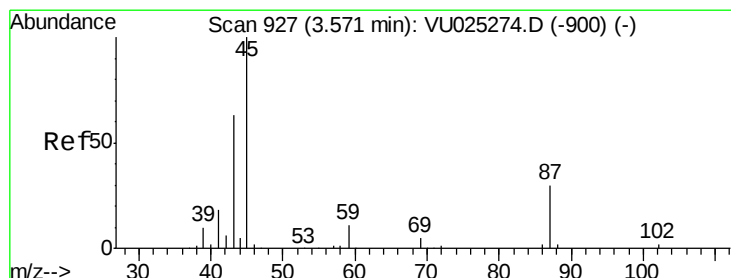
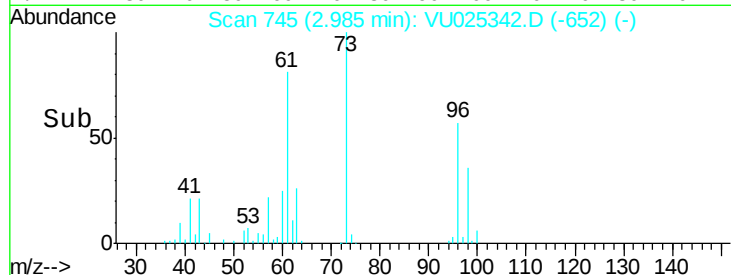
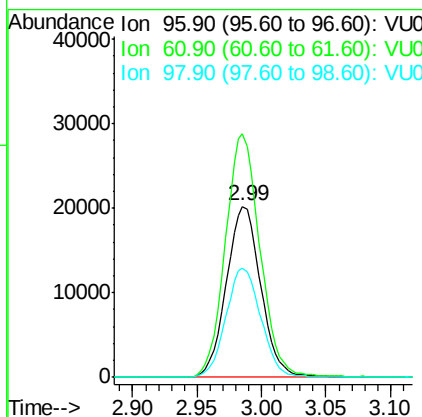
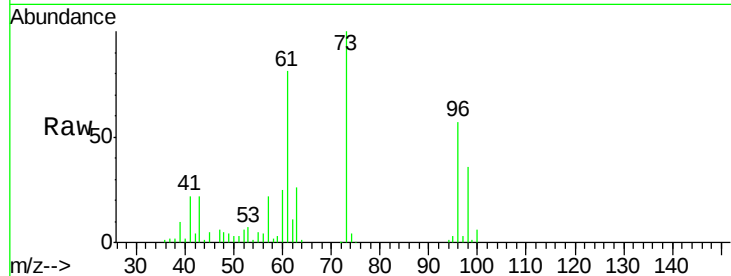
ClientSampleId :

VU0712WBS02

Tot Ion:	96	Resp:	37437
Ion	Ratio	Lower	Upper
96	100		
61	142.3	114.5	171.7
98	64.0	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#22

Diisopropyl ether

Concen: 21.662 ug/l

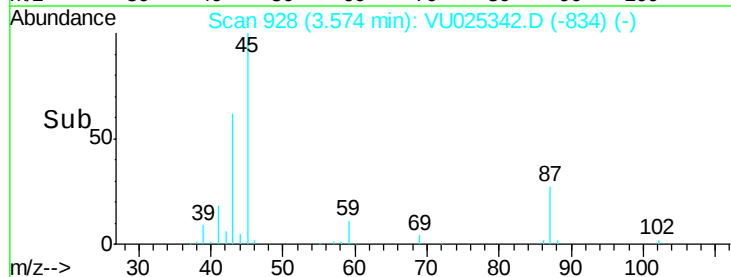
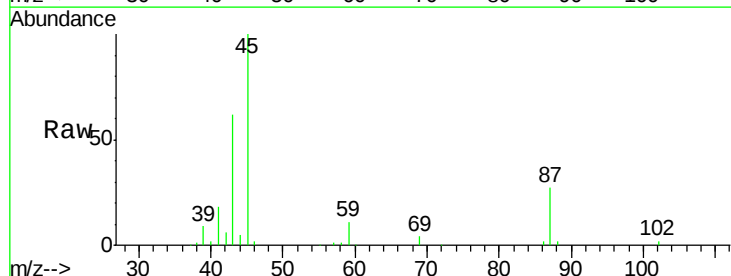
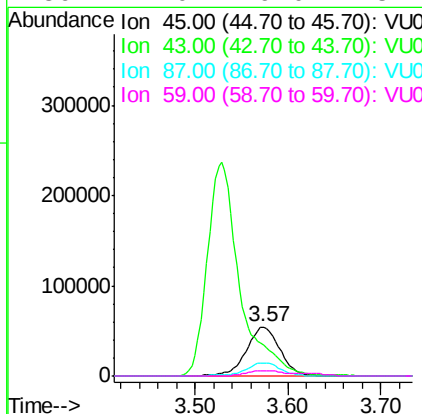
RT: 3.57 min Scan# 928

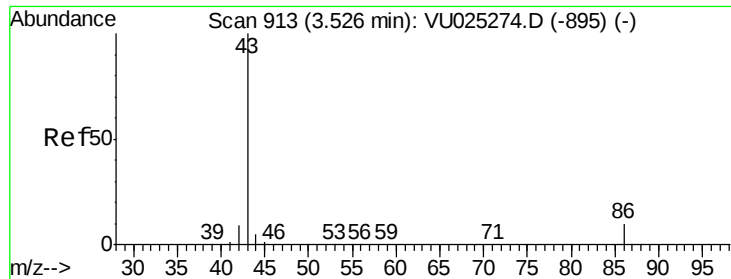
Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion:	45	Resp:	137302
Ion	Ratio	Lower	Upper
45	100		
43	60.2	50.9	76.3
87	27.4	23.8	35.8
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 104.203 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 43 Resp: 579400

Ion Ratio Lower Upper

43 100

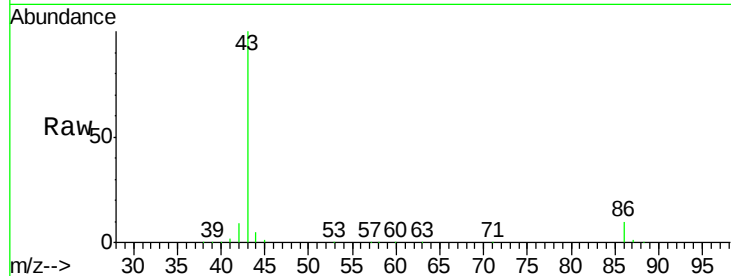
86 10.0 8.2 12.2

Manual Integrations

APPROVED

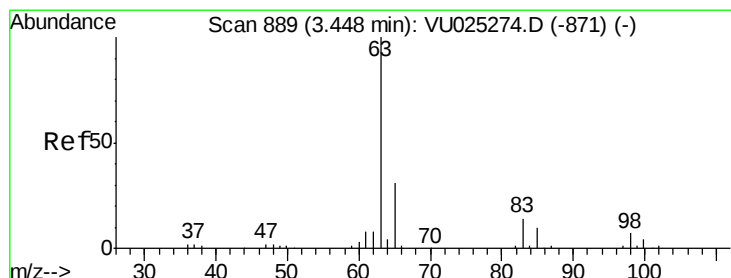
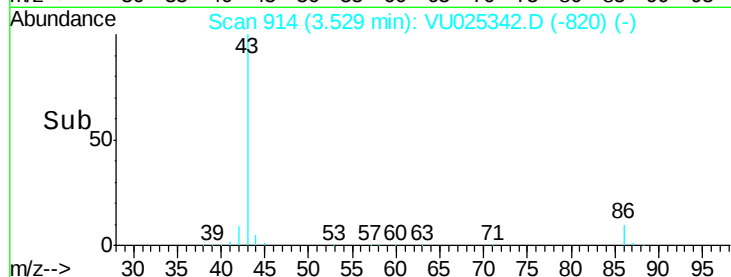
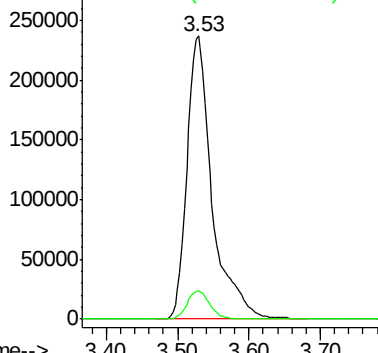
MMDadoda

7/13/2018 11:44:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.509 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

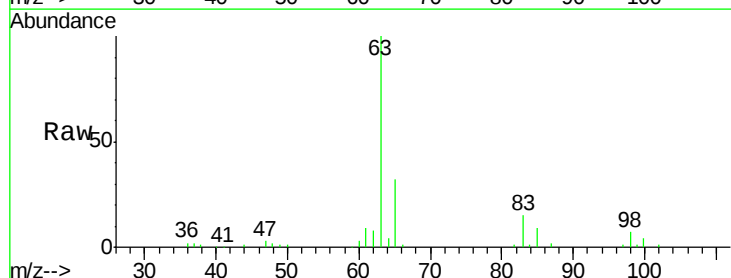
Tgt Ion: 63 Resp: 76888

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

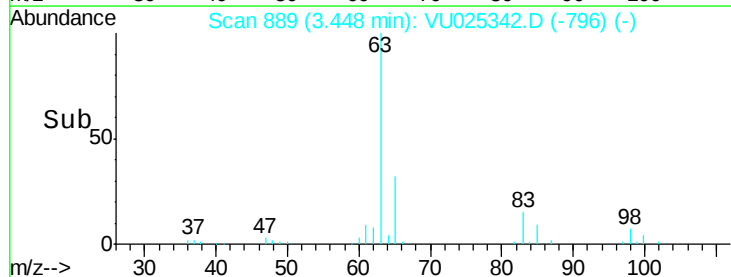
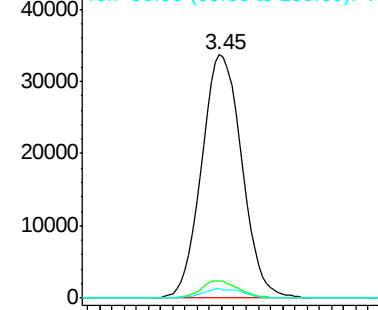
100 3.8 2.0 6.0

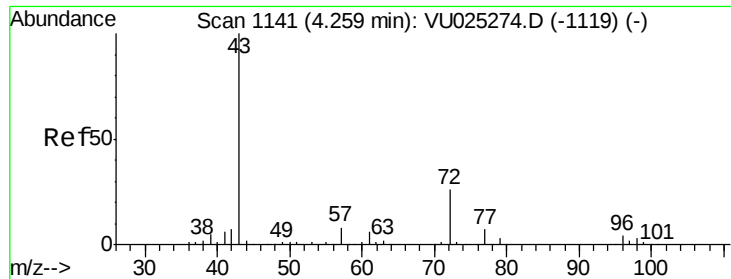


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 103.620 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 43 Resp: 188387

Ion Ratio Lower Upper

43 100

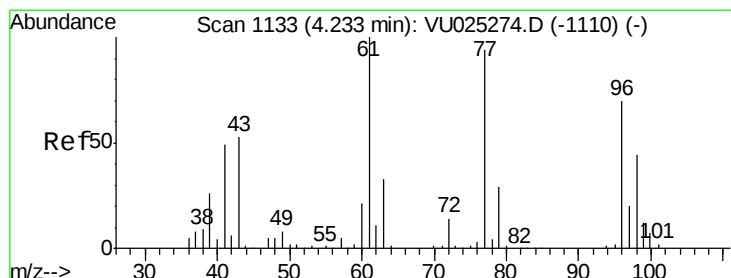
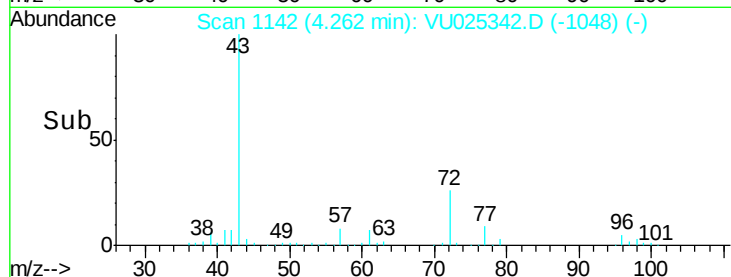
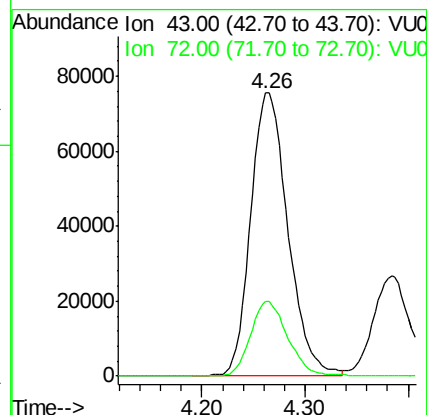
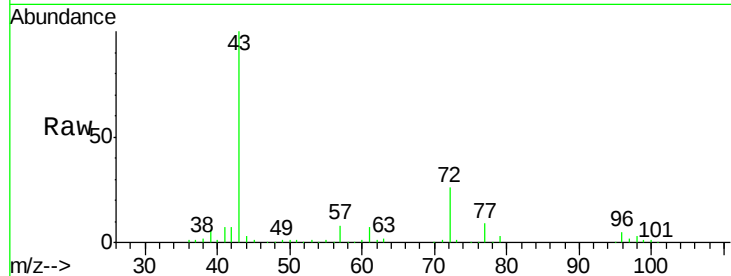
72 26.4 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

7/13/2018 11:44:16 AM



#26

2,2-Dichloropropane

Concen: 20.395 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025342.D

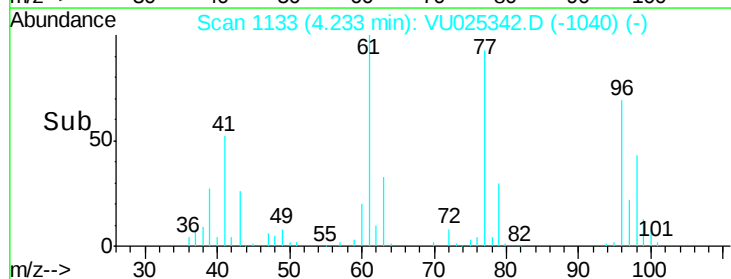
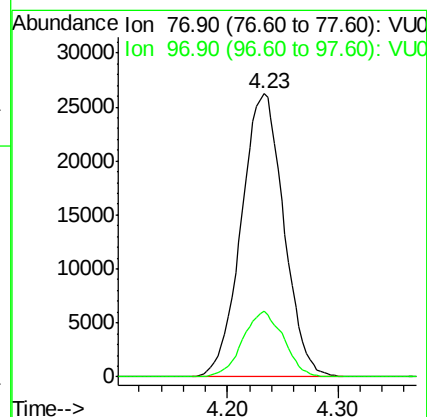
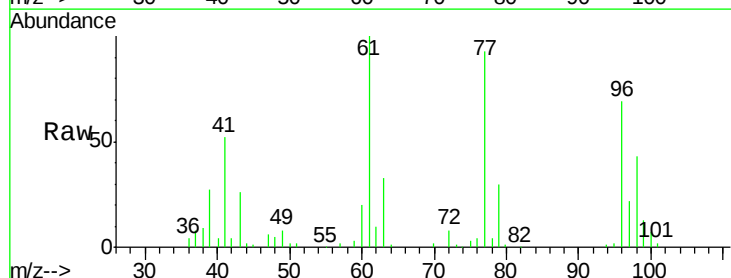
Acq: 12 Jul 2018 16:19

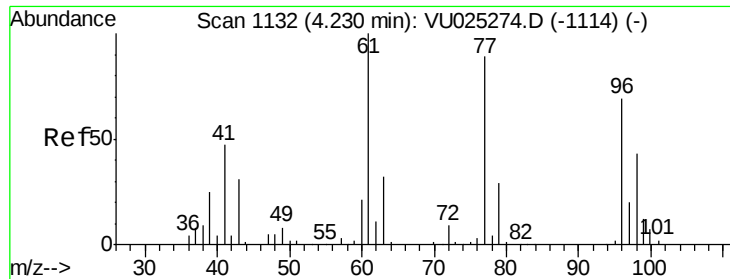
Tgt Ion: 77 Resp: 70099

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5





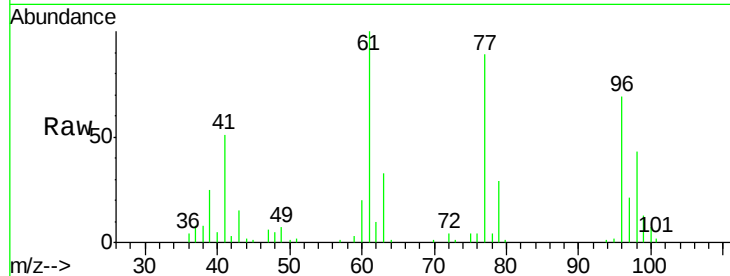
#27
 cis-1,2-Dichloroethene
 Concen: 20.535 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

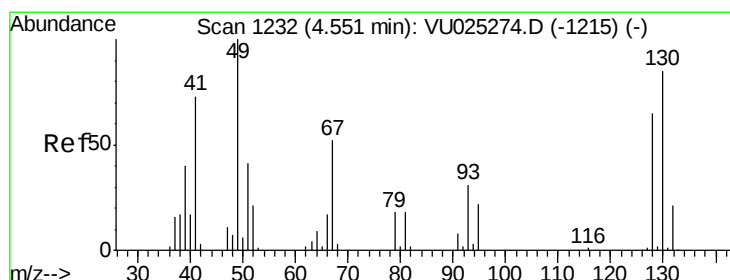
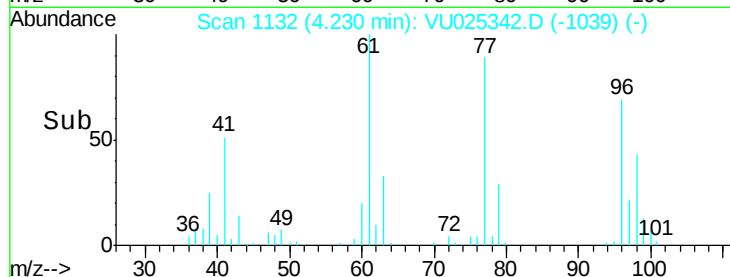
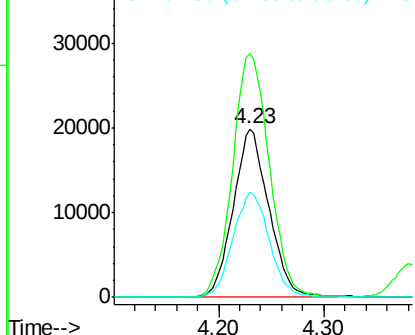
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	299.8
98	63.8	0.0	128.6

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:16 AM

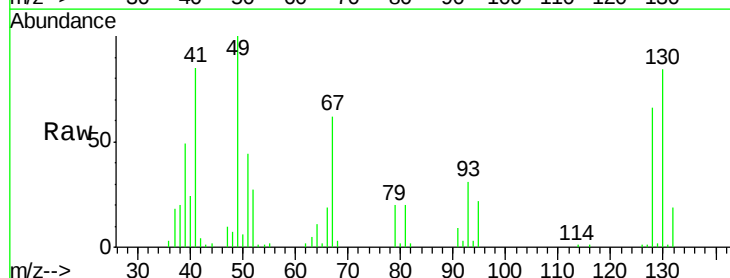


Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0

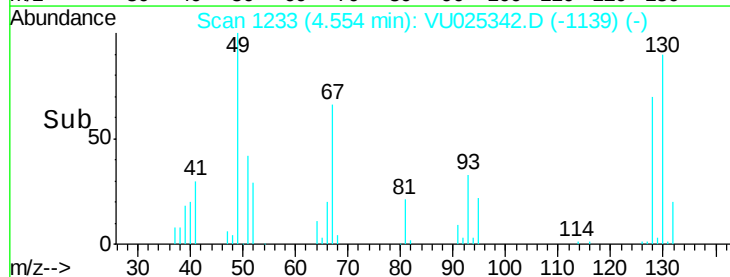
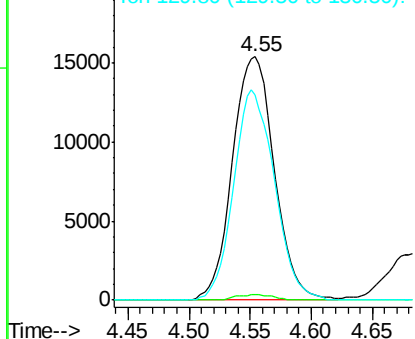


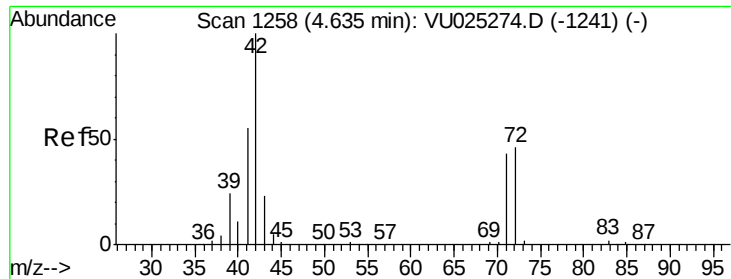
#28
 Bromochloromethane
 Concen: 21.233 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	84.1	68.6	102.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





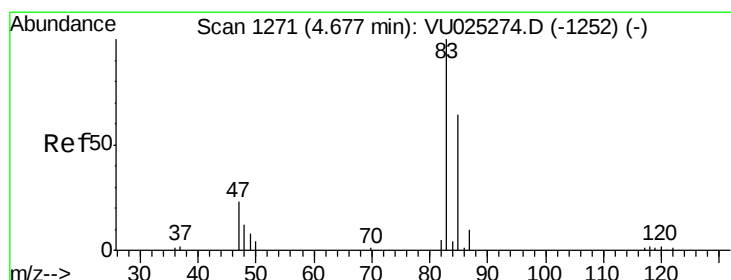
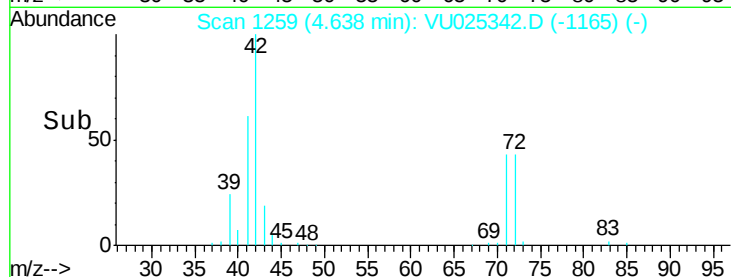
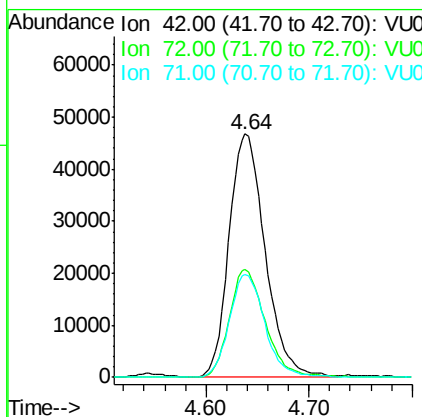
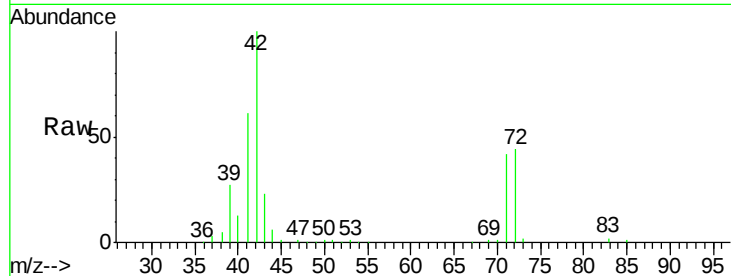
#29
Tetrahydrofuran
Concen: 104.878 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.7	55.1
71	41.5	33.9	50.9

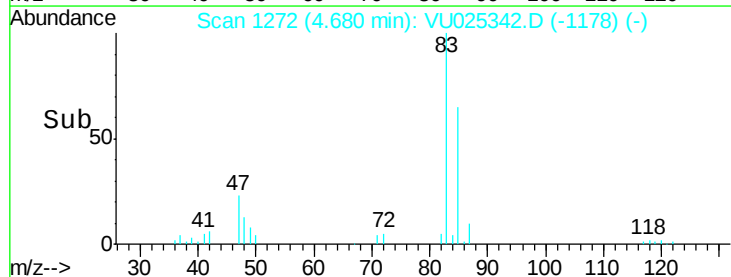
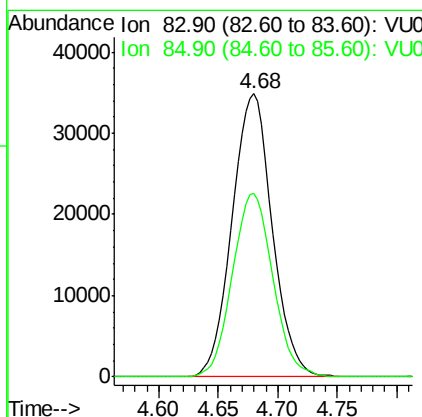
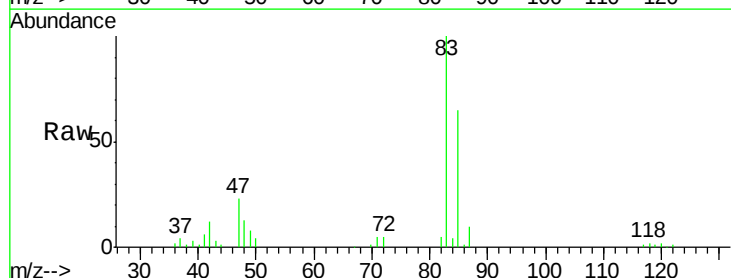
Manual Integrations
APPROVED

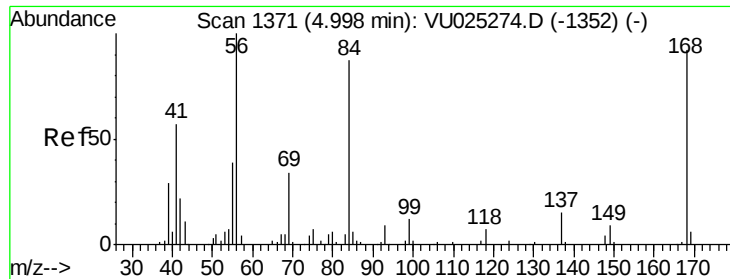
MMDadoda
7/13/2018 11:44:16 AM



#30
Chloroform
Concen: 21.534 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





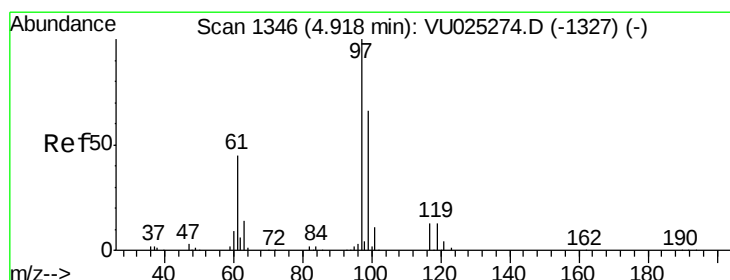
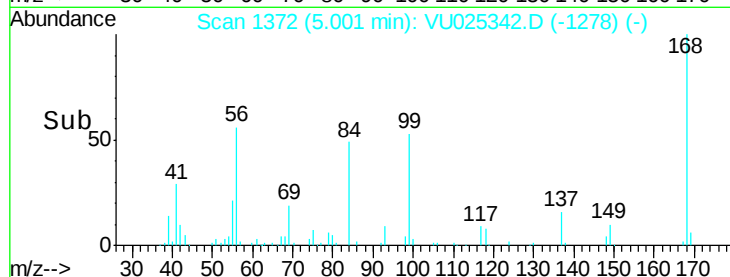
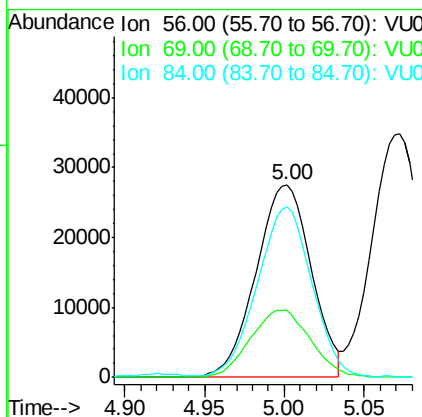
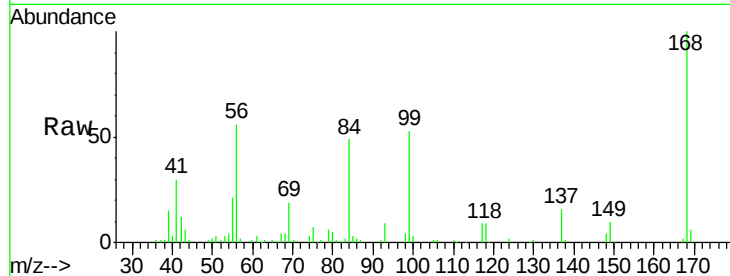
#31
Cyclohexane
Concen: 20.301 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.8	40.2
84	87.8	69.7	104.5

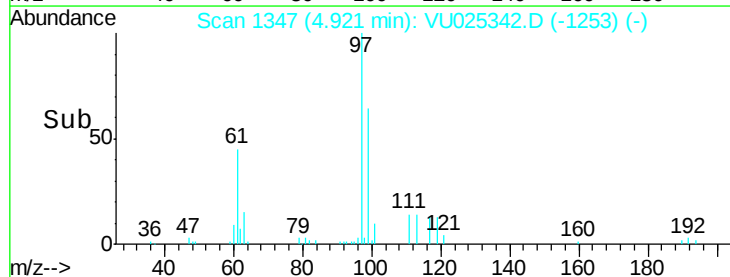
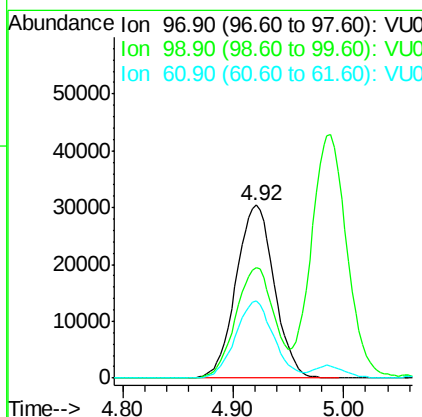
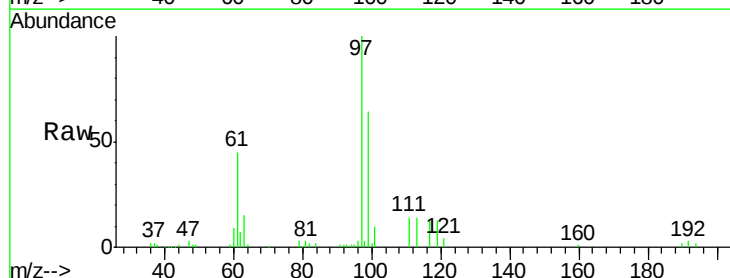
Manual Integrations
APPROVED

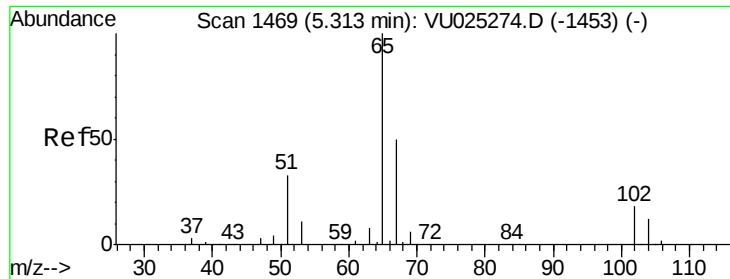
MMDadoda
7/13/2018 11:44:16 AM



#32
1,1,1-Trichloroethane
Concen: 21.296 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.8	76.2
61	44.4	35.2	52.8





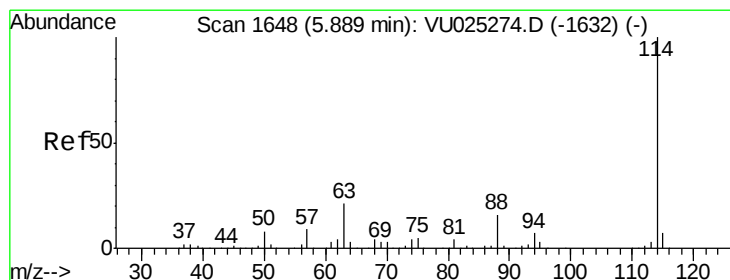
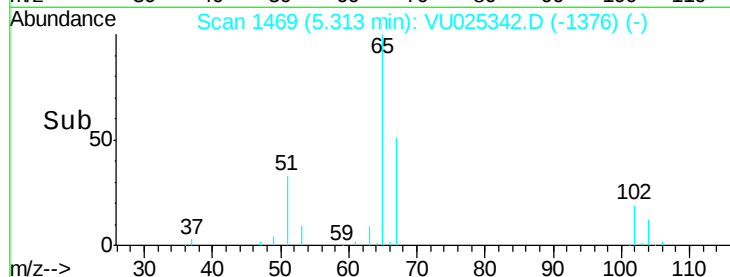
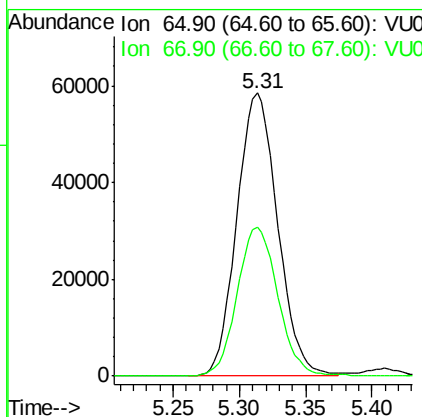
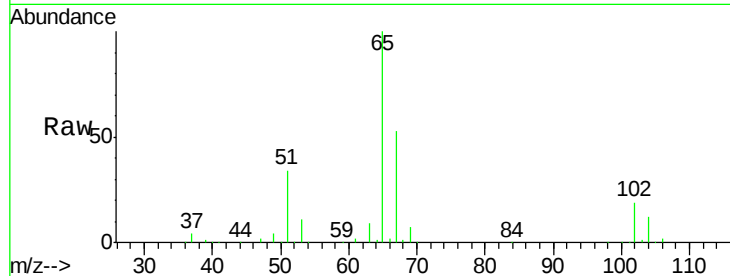
#33
 1,2-Dichloroethane-d4
 Concen: 47.819 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.6

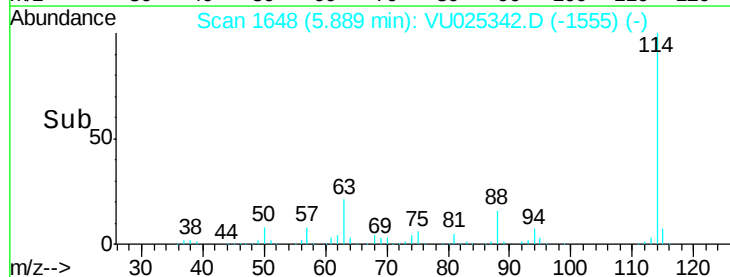
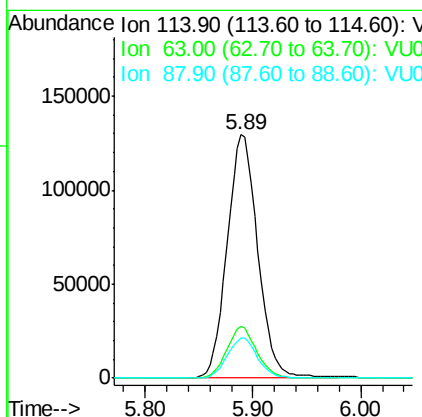
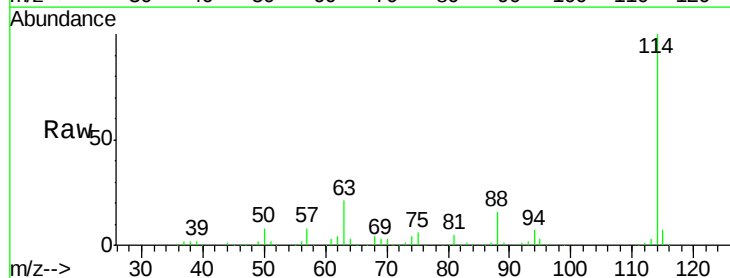
Manual Integrations
 APPROVED

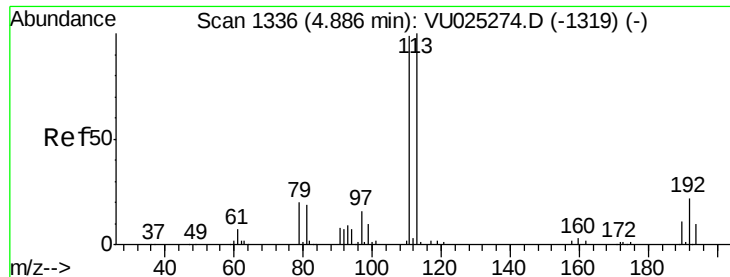
MMDadoda
 7/13/2018 11:44:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.6
88	16.2	0.0	32.4





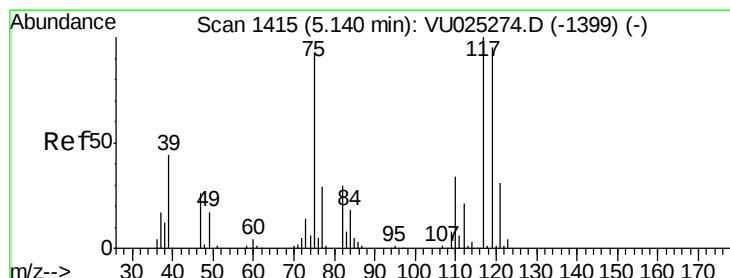
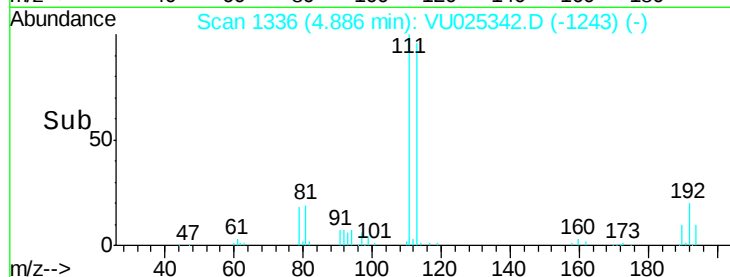
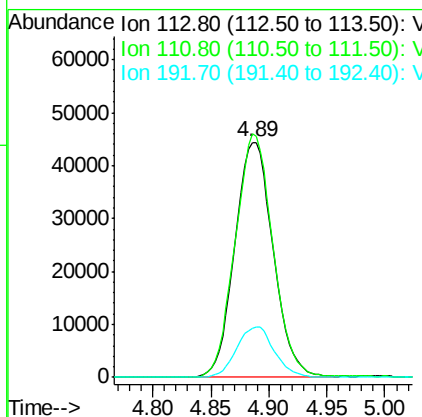
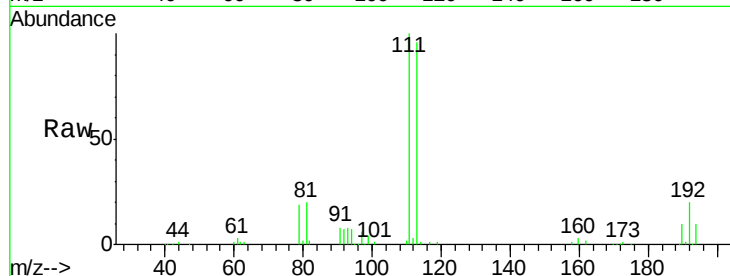
#35
Dibromofluoromethane
Concen: 47.307 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.7	122.5
192	21.1	17.1	25.7

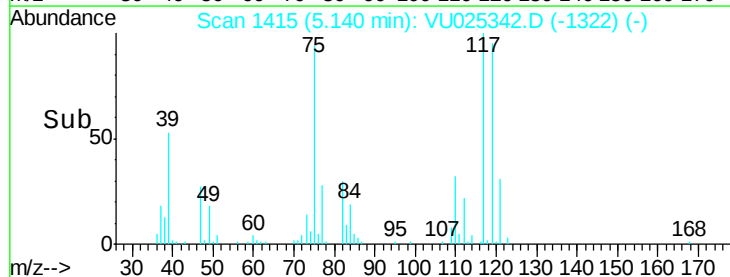
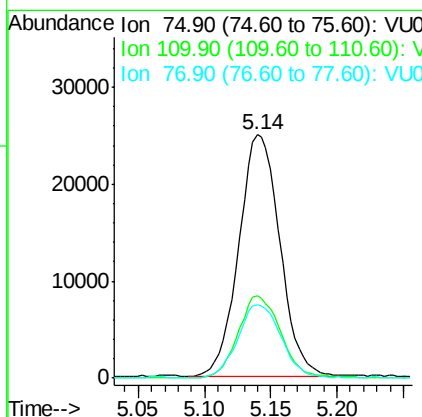
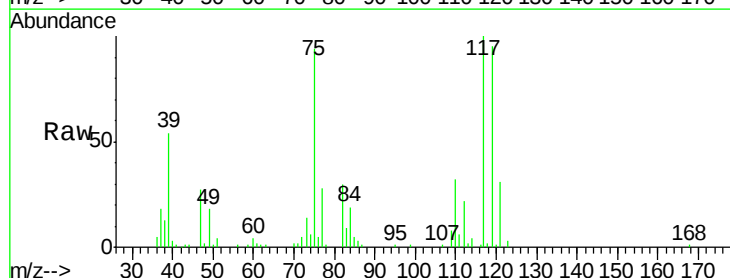
Manual Integrations
APPROVED

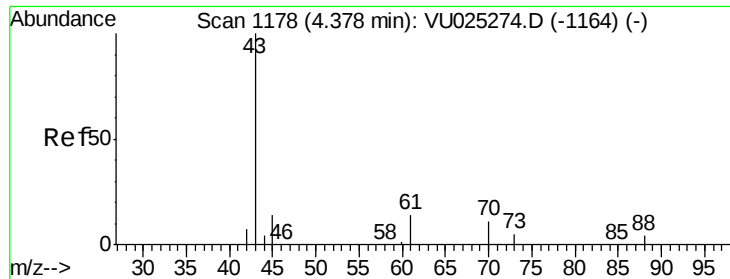
MMDadoda
7/13/2018 11:44:16 AM



#36
1,1-Dichloropropene
Concen: 18.943 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	31.8	24.4	36.6





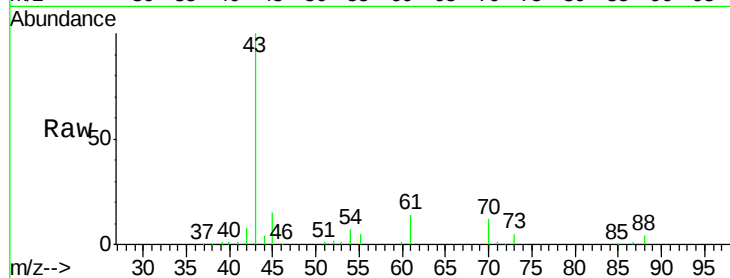
#37
Ethyl Acetate
Concen: 21.076 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.2	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM

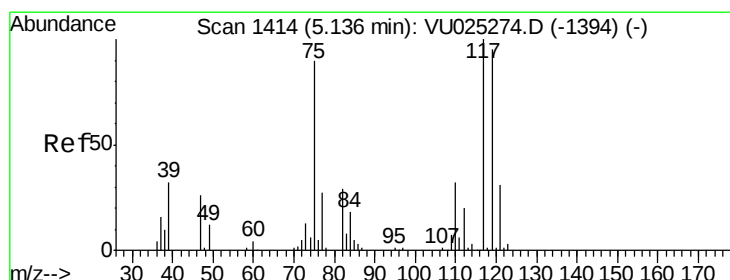
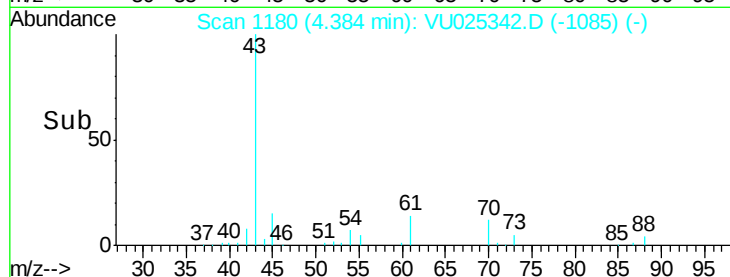
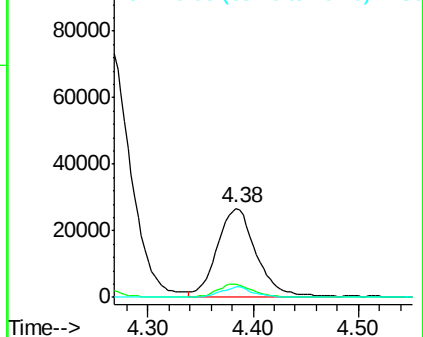


Abundance

Ion 43.00 (42.70 to 43.70): VU025342.D (-1185) (-)

Ion 60.90 (60.60 to 61.60): VU025342.D (-1185) (-)

Ion 70.00 (69.70 to 70.70): VU025342.D (-1185) (-)



#38
Carbon Tetrachloride
Concen: 19.841 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

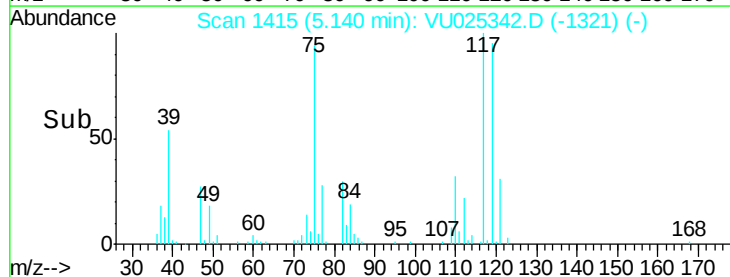
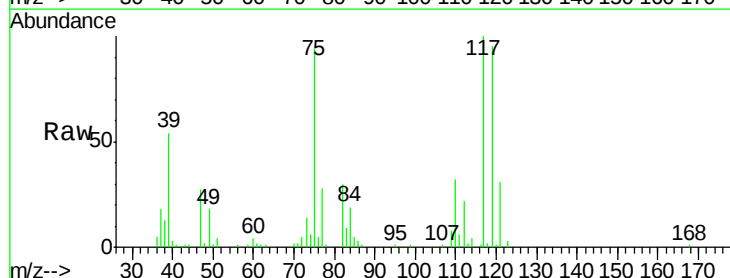
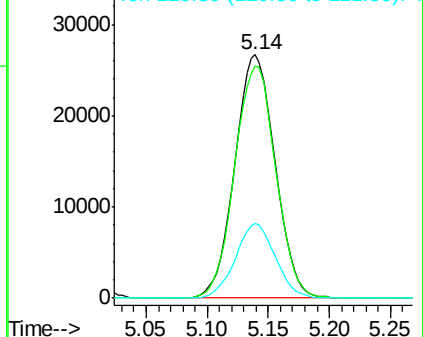
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.7	113.5
121	30.8	24.6	36.8

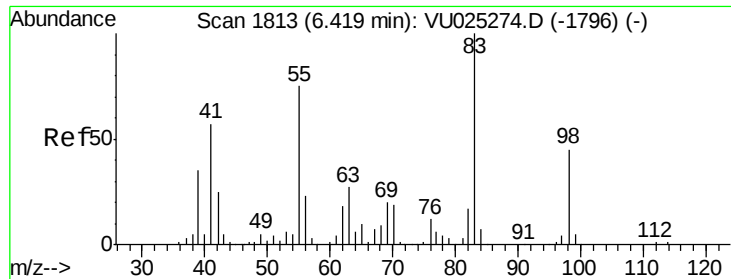
Abundance

Ion 116.80 (116.50 to 117.50): VU025342.D (-1321) (-)

Ion 118.80 (118.50 to 119.50): VU025342.D (-1321) (-)

Ion 120.80 (120.50 to 121.50): VU025342.D (-1321) (-)





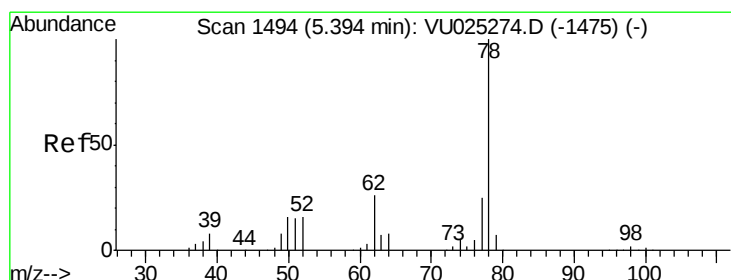
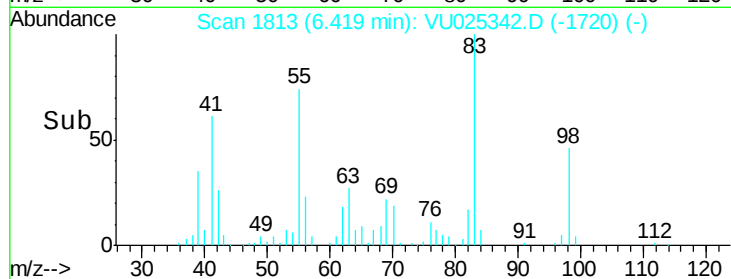
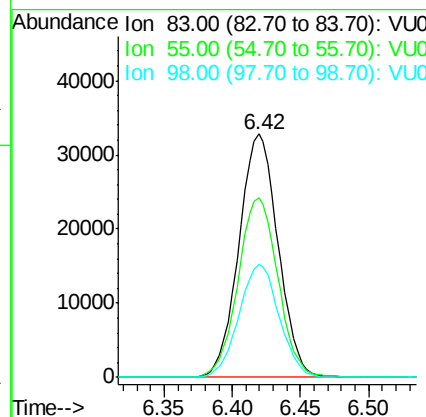
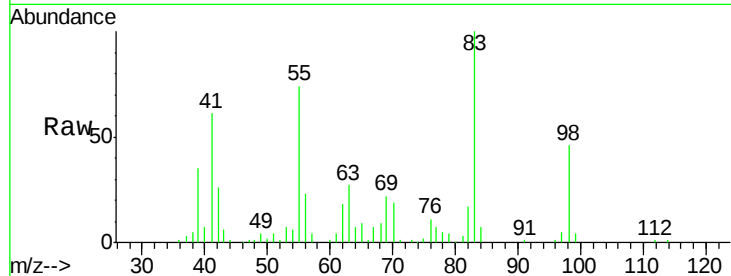
#39
Methylvlcvclohexane
Concen: 18.336 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	83	Resp	65285
Ion Ratio	100	Lower	Upper
83	100		
55	73.7	60.0	90.0
98	46.2	36.1	54.1

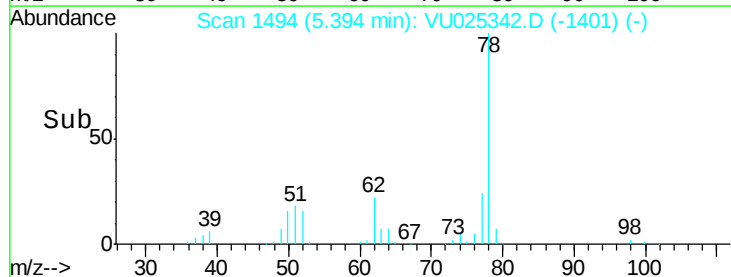
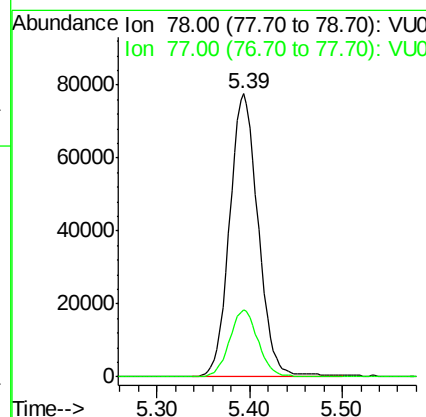
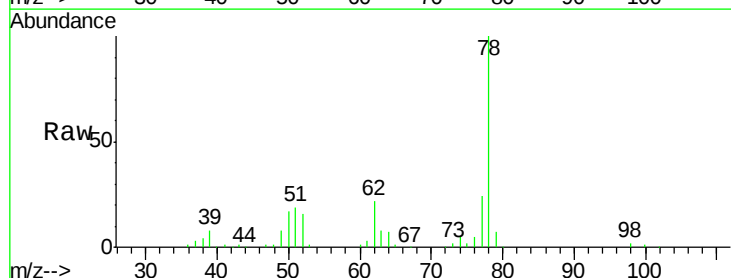
Manual Integrations
APPROVED

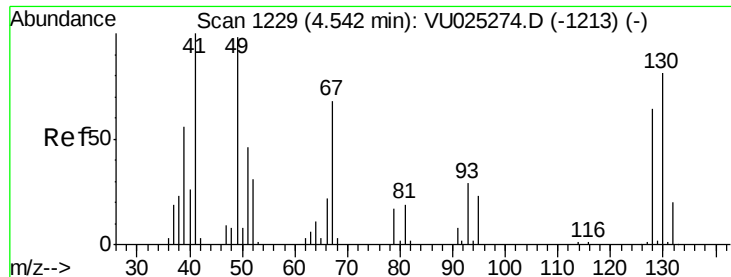
MMDadoda
7/13/2018 11:44:16 AM



#40
Benzene
Concen: 20.190 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	78	Resp	166077
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.8	29.6





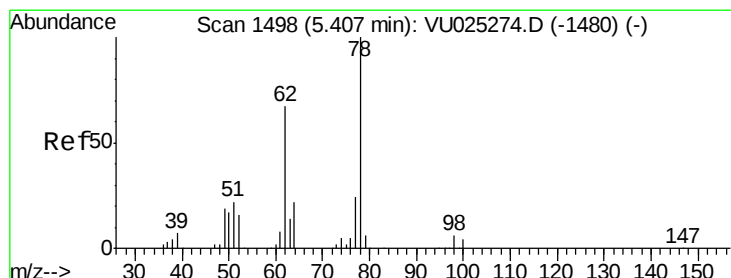
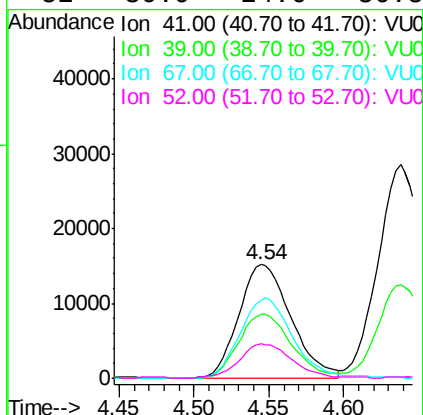
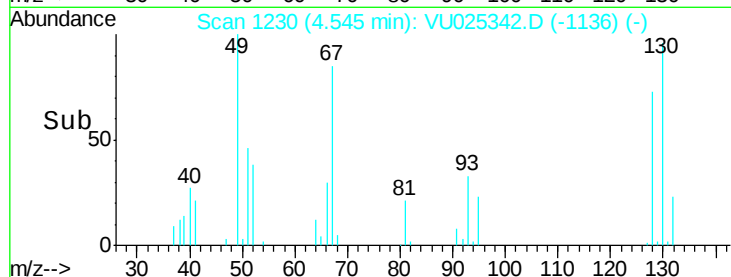
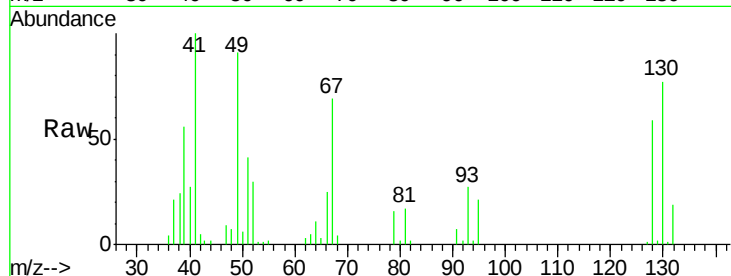
#41
Methacrylonitrile
Concen: 20.856 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	44.4	66.6	
67	71.1	56.0	84.0	
52	30.9	24.6	36.8	

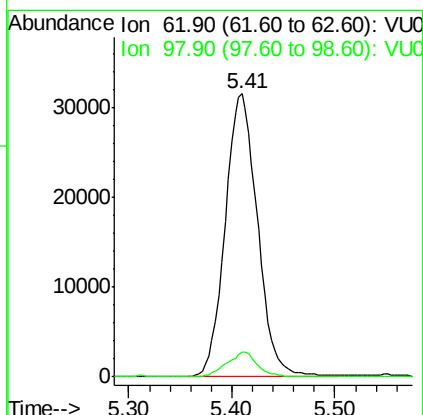
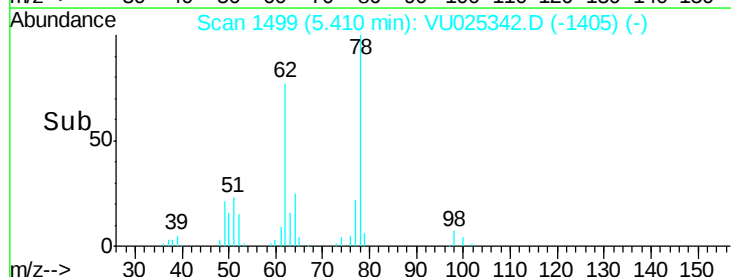
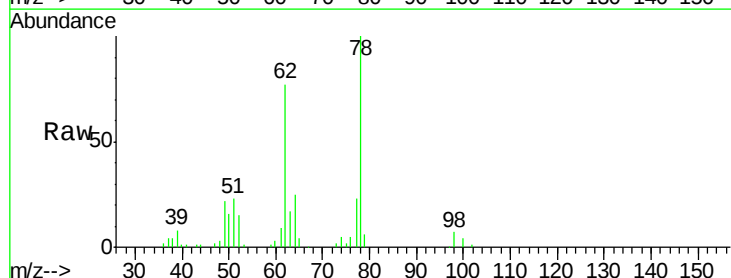
Manual Integrations
APPROVED

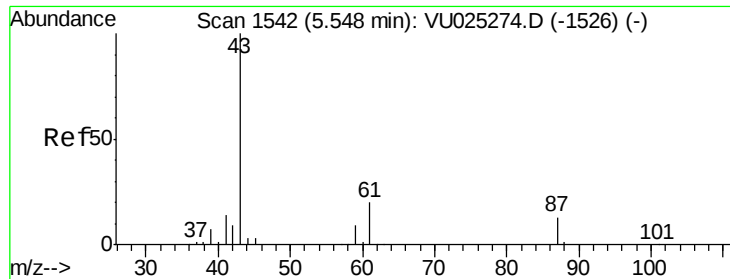
MMDadoda
7/13/2018 11:44:16 AM



#42
1,2-Dichloroethane
Concen: 21.034 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





#43

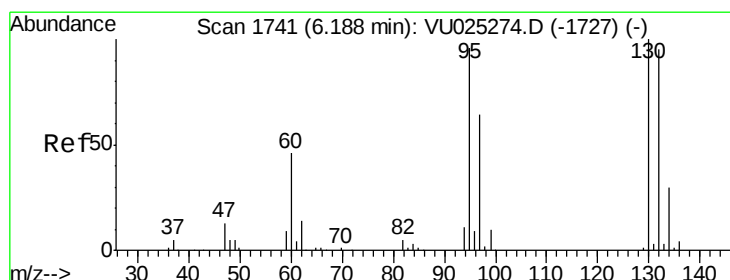
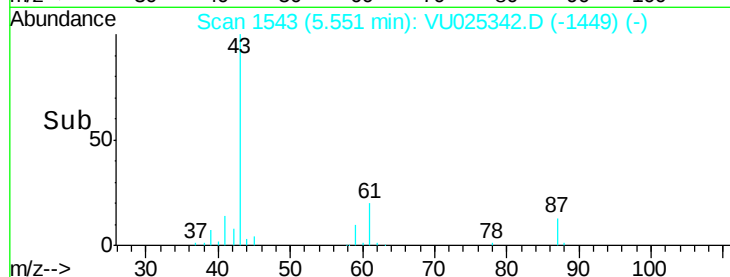
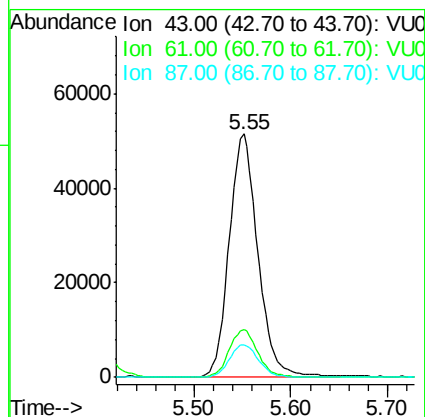
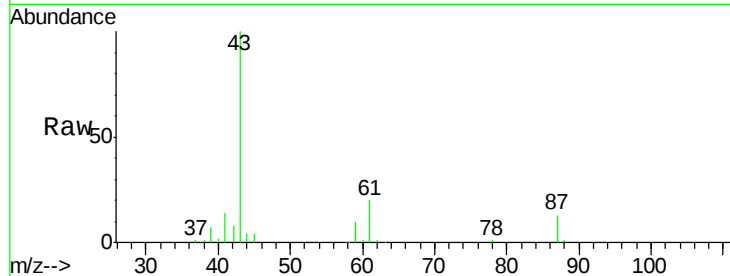
Isopropyl Acetate
 Concen: 20.876 ug/l
 RT: 5.55 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.5	10.6	16.0

Manual Integrations
 APPROVED

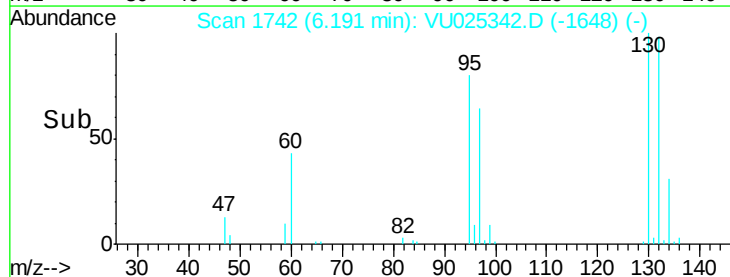
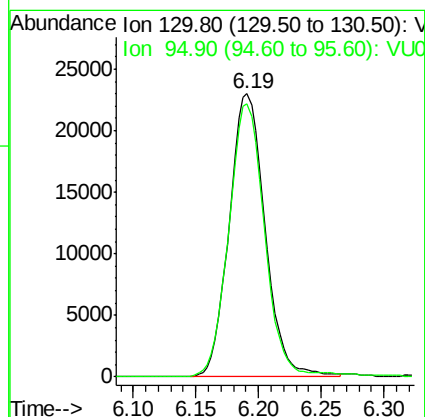
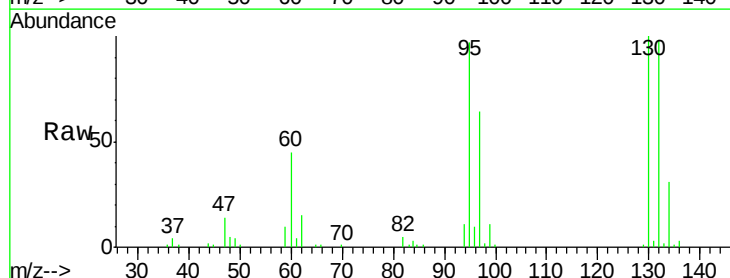
MMDadoda
 7/13/2018 11:44:16 AM

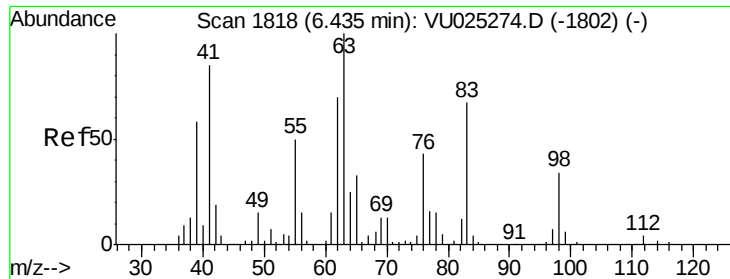


#44

Trichloroethene
 Concen: 19.376 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	192.2





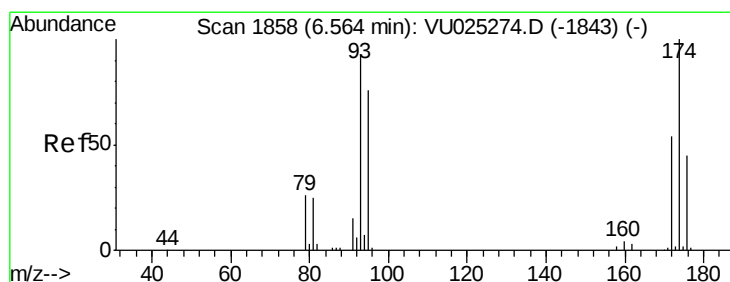
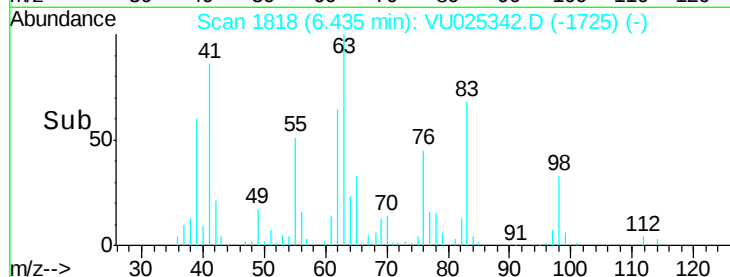
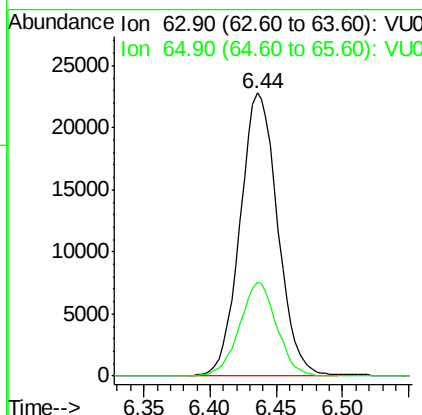
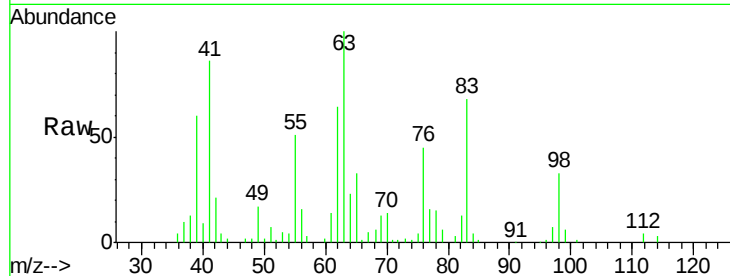
#45
 1,2-Dichloropropane
 Concen: 20.872 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion: 63 Resp: 44969
 Ion Ratio Lower Upper
 63 100
 65 33.2 26.1 39.1

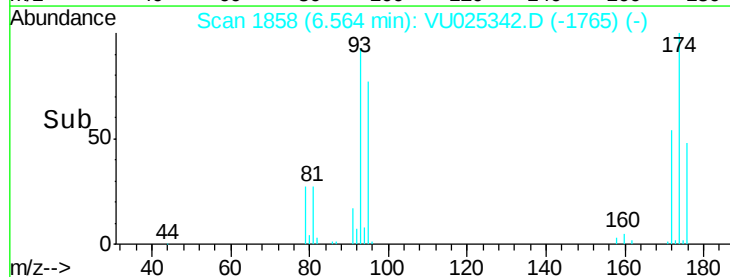
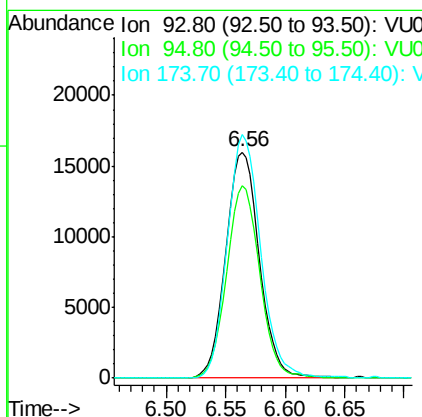
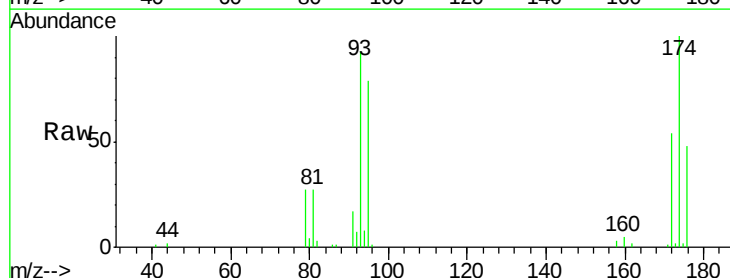
Manual Integrations
 APPROVED

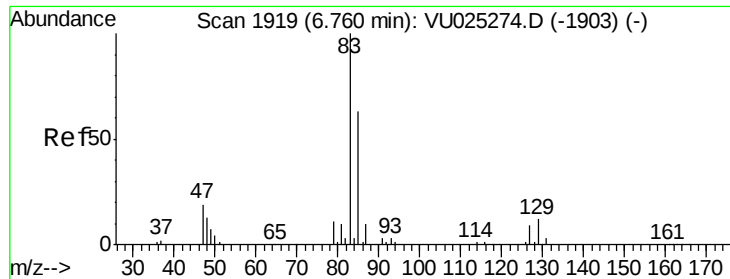
MMDadoda
 7/13/2018 11:44:16 AM



#46
 Dibromomethane
 Concen: 19.987 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 93 Resp: 31338
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.6 100.0
 174 106.8 85.8 128.8





#47

Bromodichloromethane

Concen: 20.065 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

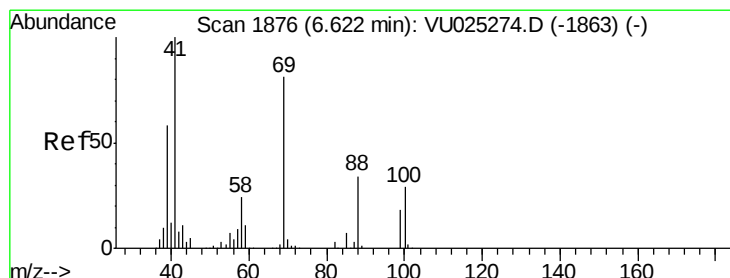
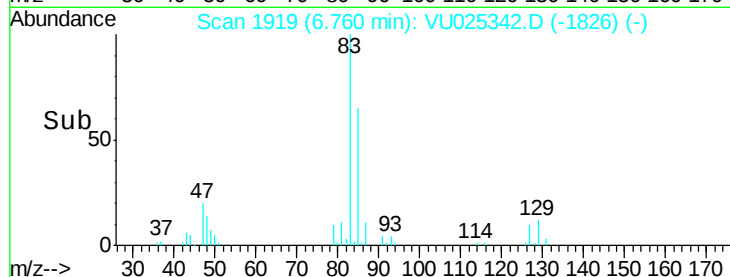
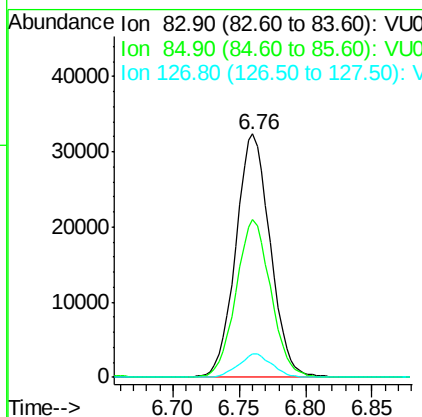
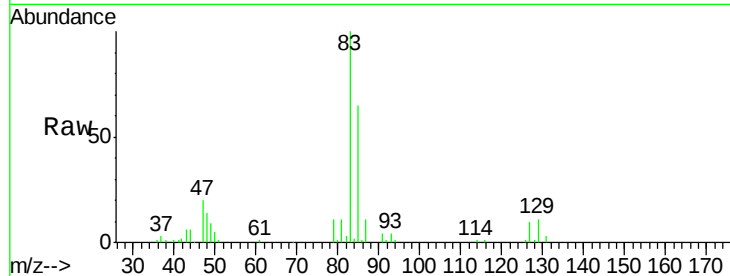
ClientSampleId :

VU0712WBS02

Tot Ion:	83	Resp:	58443
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.4
127	9.5	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#48

Methyl methacrylate

Concen: 20.950 ug/l

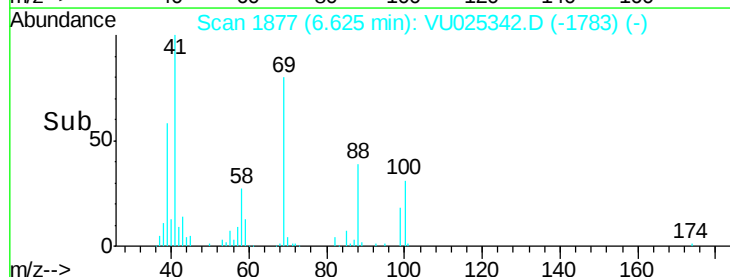
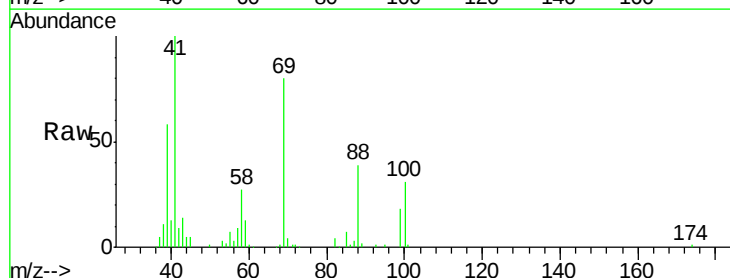
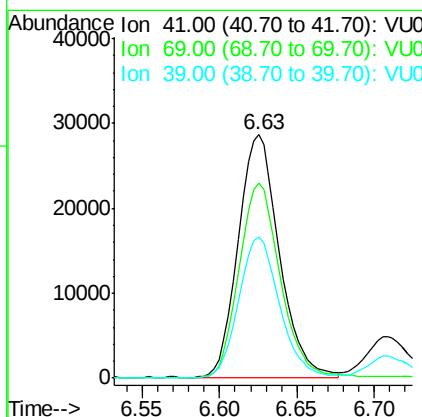
RT: 6.63 min Scan# 1877

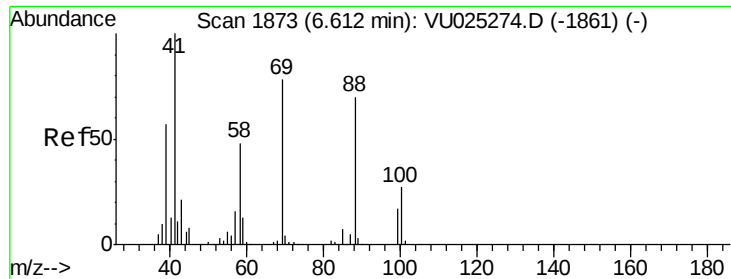
Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion:	41	Resp:	53240
Ion	Ratio	Lower	Upper
41	100		
69	80.5	65.0	97.4
39	57.6	46.4	69.6





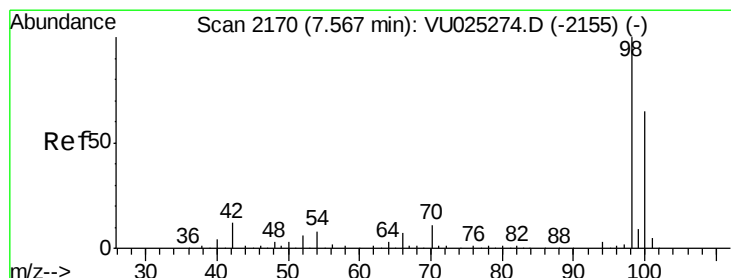
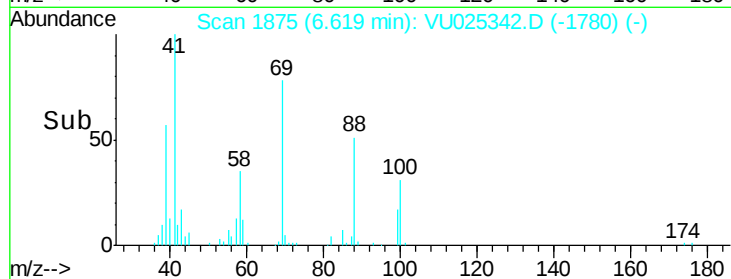
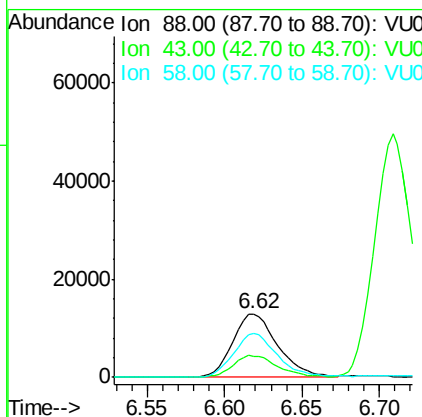
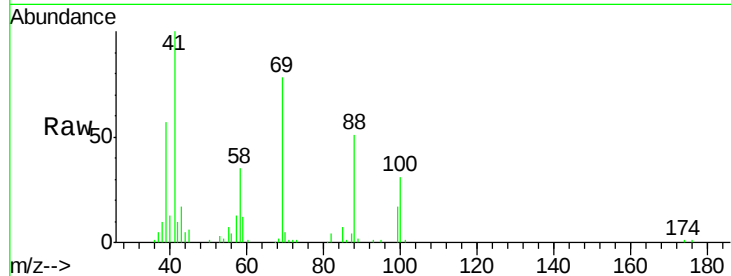
#49
1,4-Dioxane
Concen: 428.517 ug/l
RT: 6.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.3	40.9
58	67.7	57.6	86.4

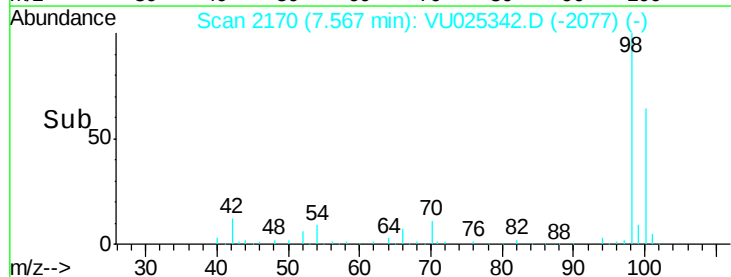
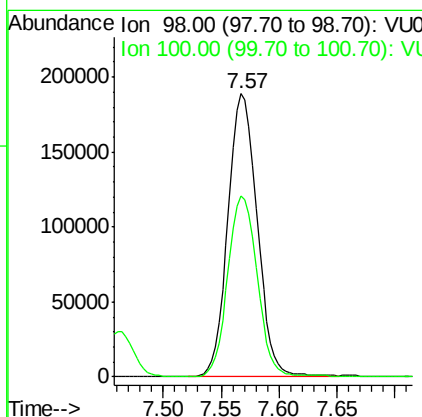
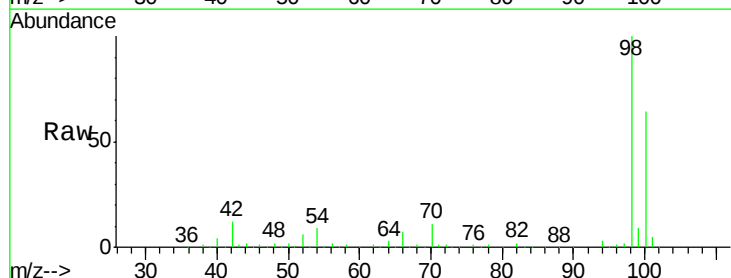
Manual Integrations
APPROVED

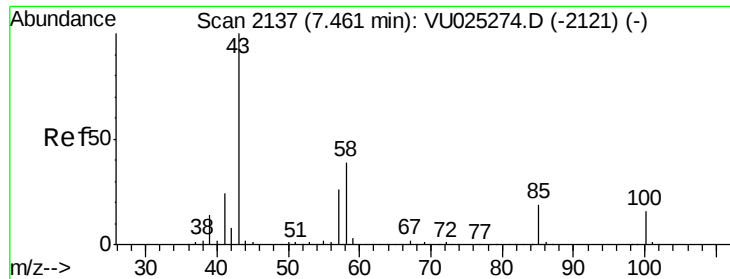
MMDadoda
7/13/2018 11:44:16 AM



#50
Toluene-d8
Concen: 44.771 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 103.969 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 43 Resp: 344481

Ion Ratio Lower Upper

43 100

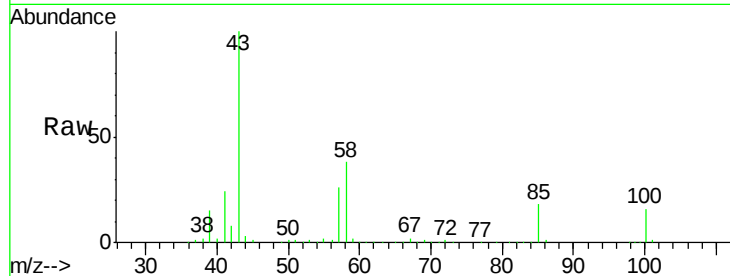
58 38.1 31.0 46.4

Manual Integrations

APPROVED

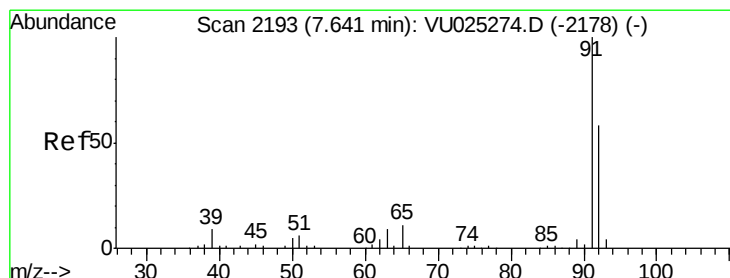
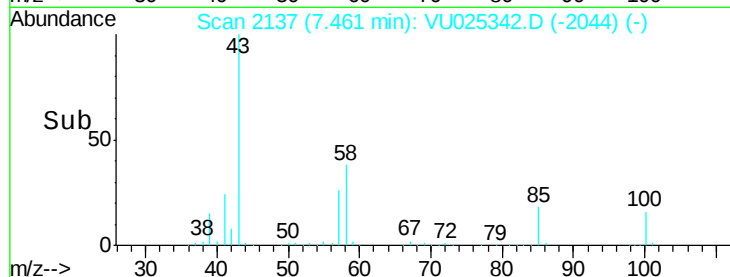
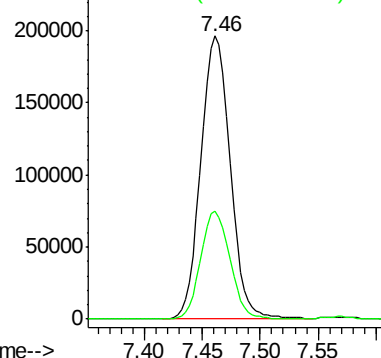
MMDadoda

7/13/2018 11:44:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.341 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025342.D

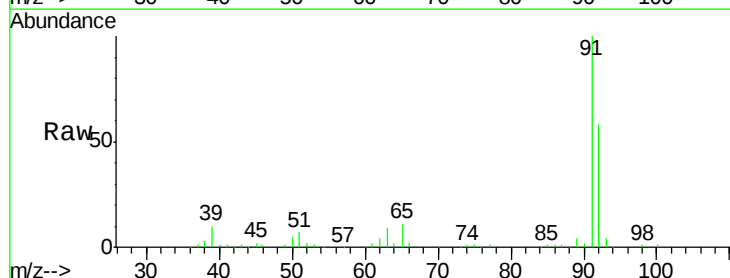
Acq: 12 Jul 2018 16:19

Tgt Ion: 92 Resp: 106451

Ion Ratio Lower Upper

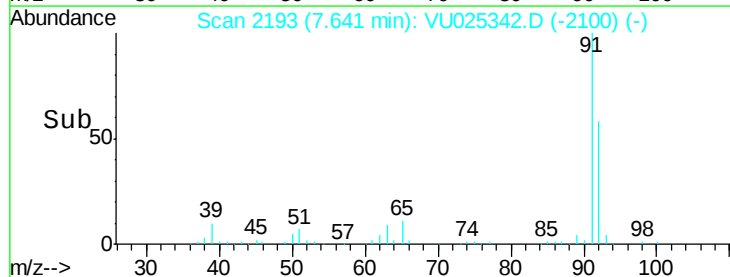
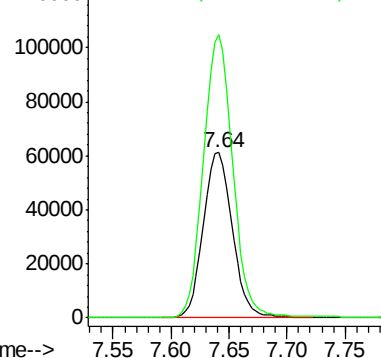
92 100

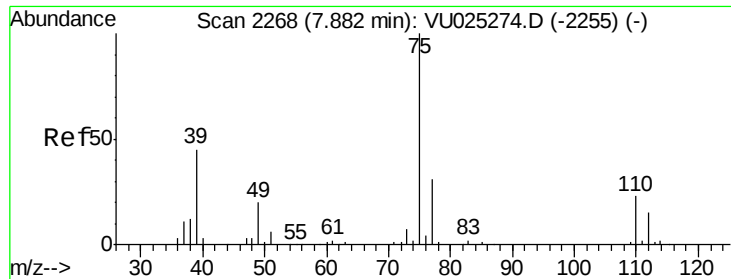
91 171.7 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





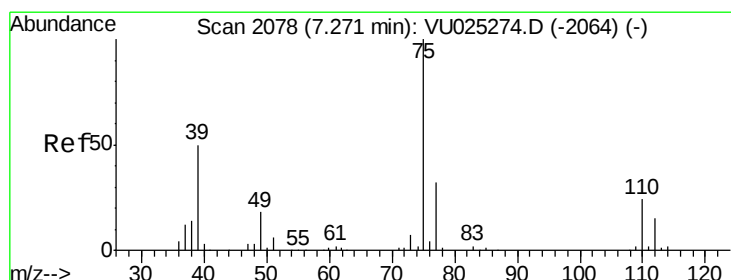
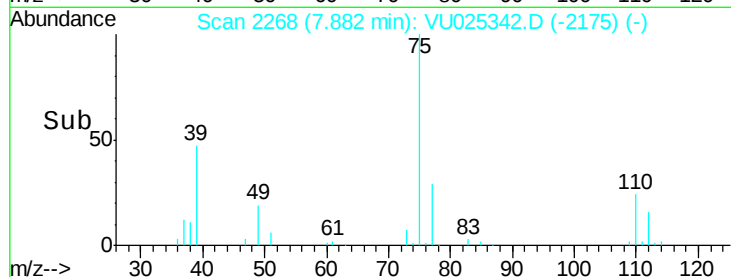
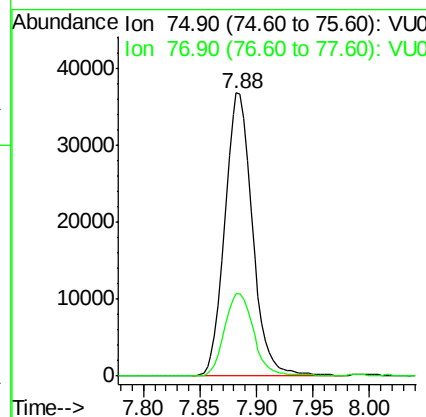
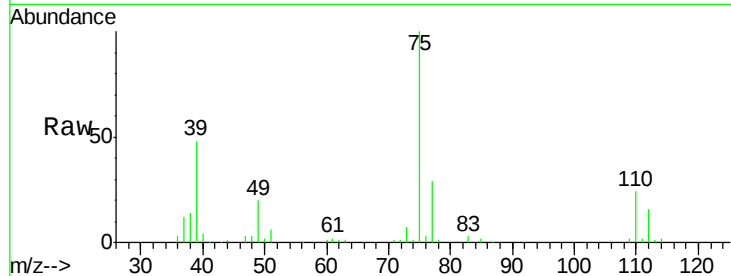
#53
t-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 75 Resp: 62840
Ion Ratio Lower Upper
75 100
77 29.1 24.5 36.7

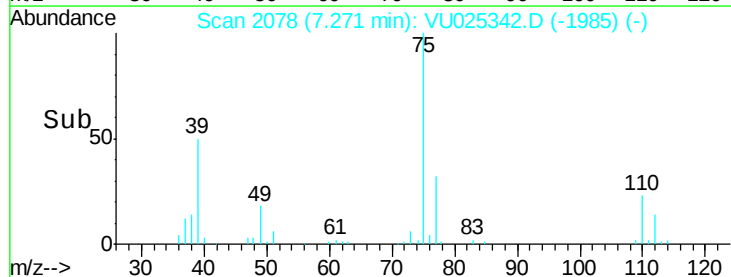
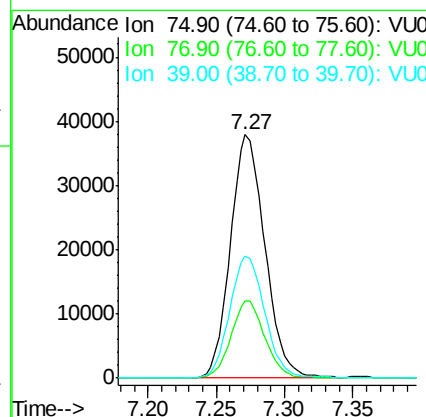
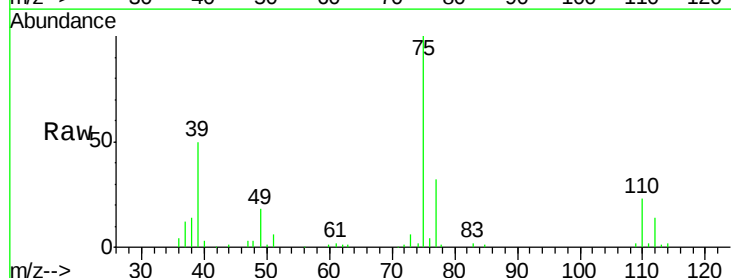
Manual Integrations
APPROVED

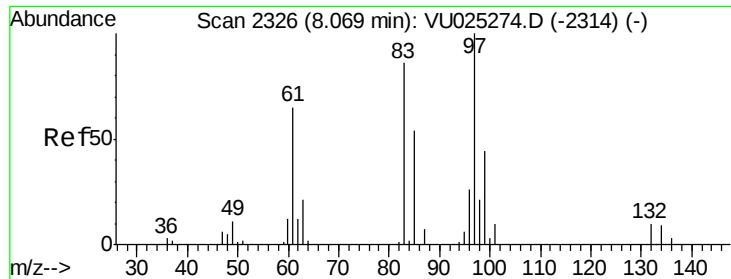
MMDadoda
7/13/2018 11:44:16 AM



#54
cis-1,3-Dichloropropene
Concen: 19.650 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 75 Resp: 66925
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4
39 50.0 40.0 60.0





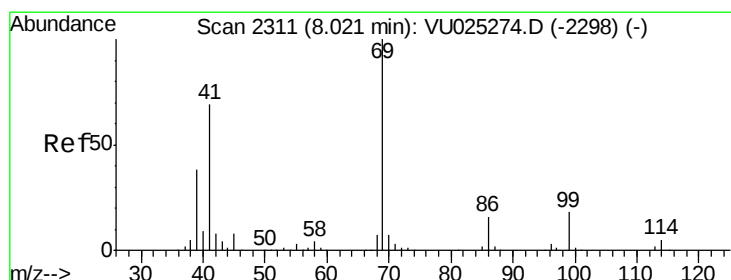
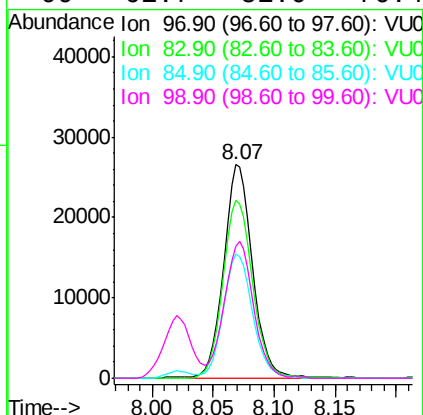
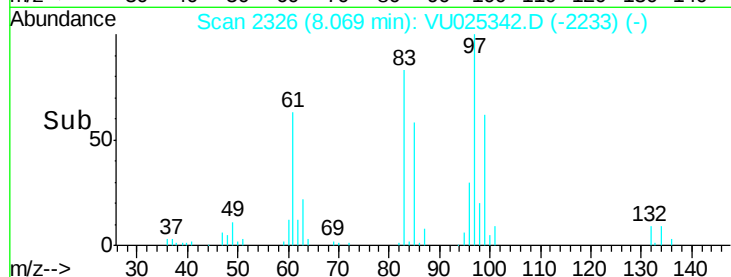
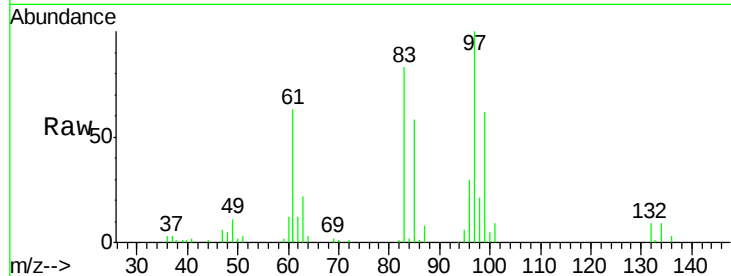
#55
1,1,2-Trichloroethane
Concen: 20.252 ug/l
RT: 8.07 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion:	97	Resp:	44141
Ion	Ratio	Lower	Upper
97	100		
83	83.3	68.9	103.3
85	58.1	44.4	66.6
99	61.7	51.0	76.4

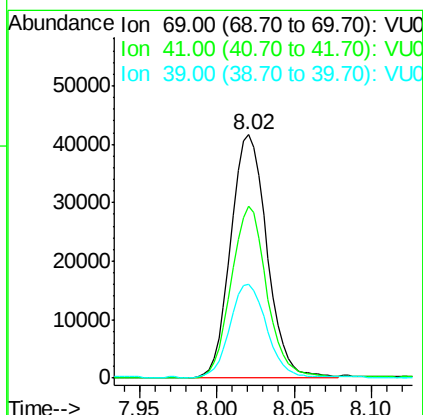
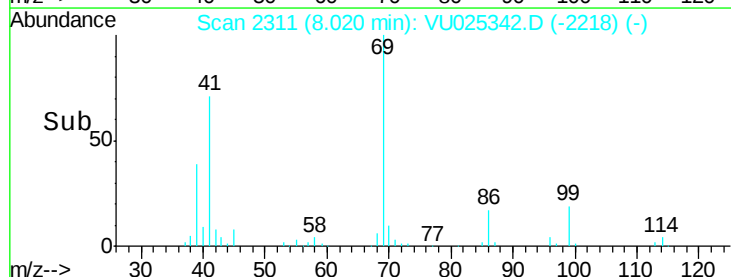
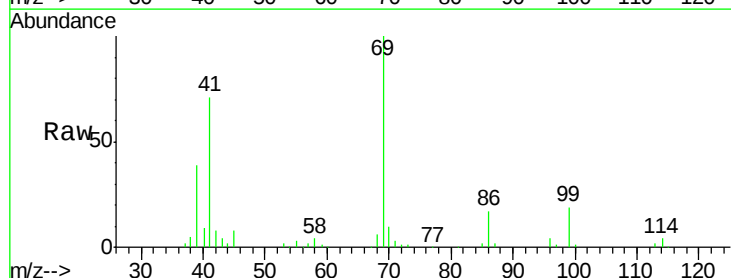
Manual Integrations
APPROVED

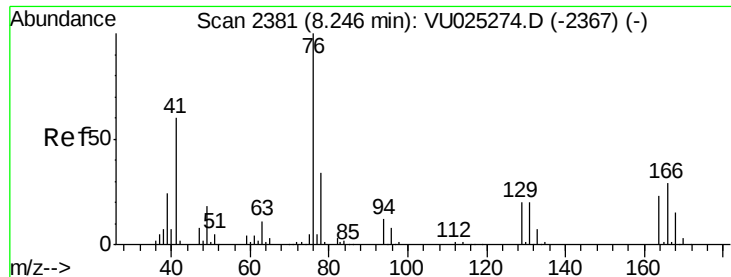
MMDadoda
7/13/2018 11:44:16 AM



#56
Ethyl methacrylate
Concen: 19.952 ug/l
RT: 8.02 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:	69	Resp:	67919
Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.8	82.2
39	40.0	31.1	46.7





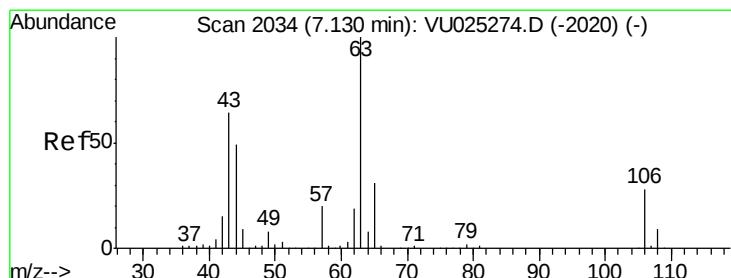
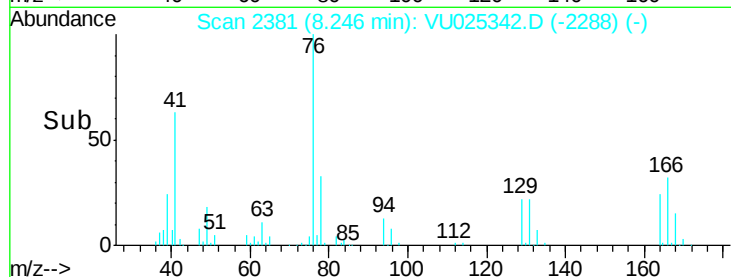
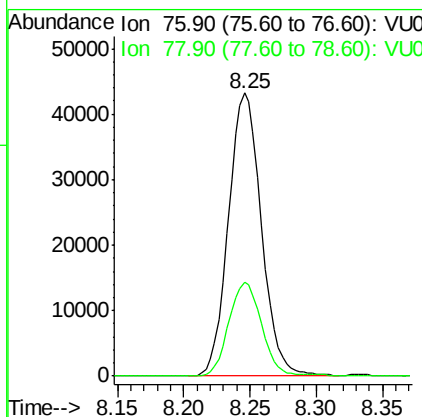
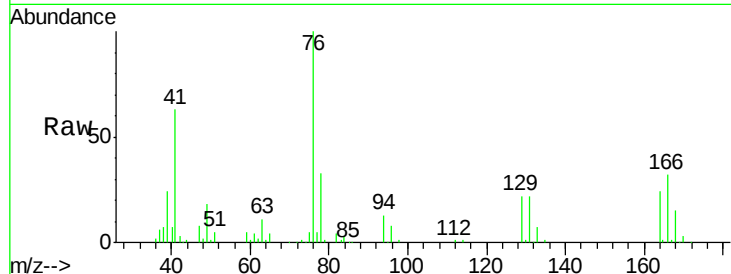
#57
 1,3-Dichloropropane
 Concen: 20.653 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion: 76 Resp: 74727
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1

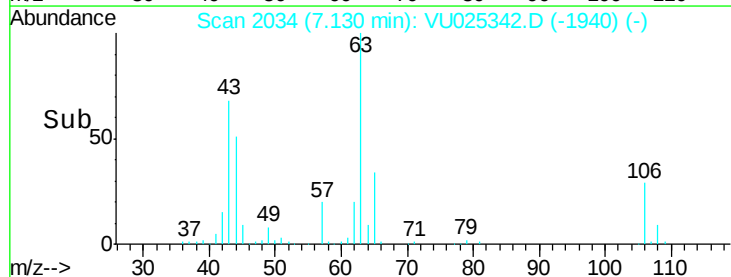
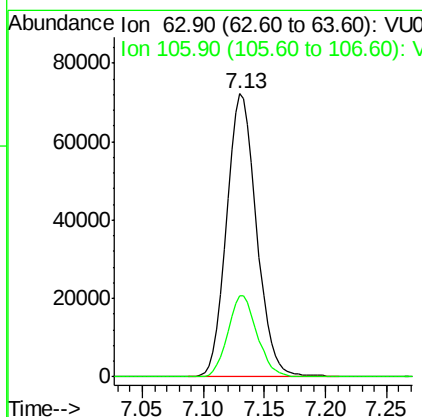
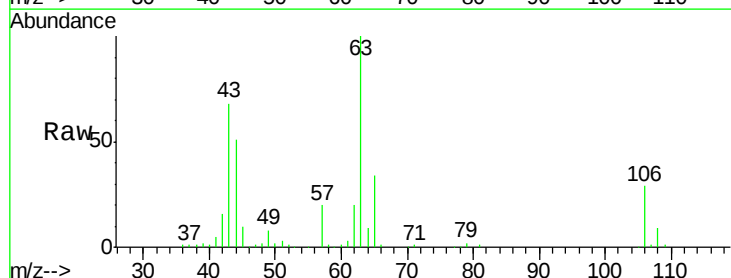
Manual Integrations
 APPROVED

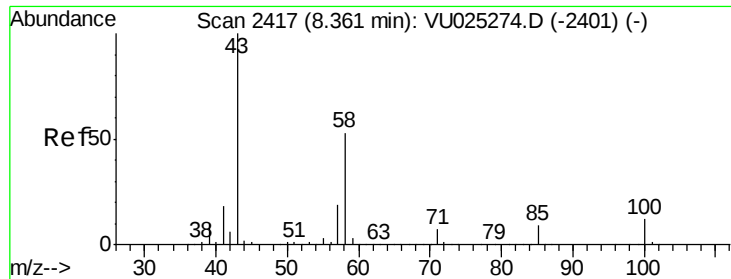
MMDadoda
 7/13/2018 11:44:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.085 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion: 63 Resp: 124366
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





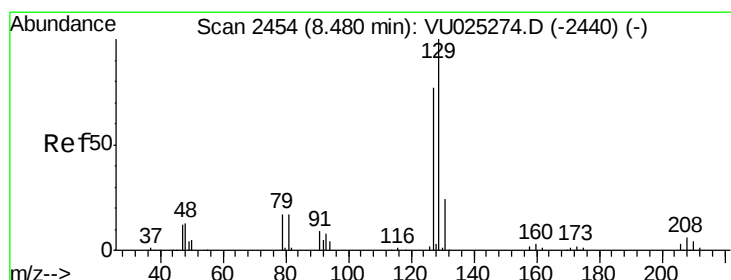
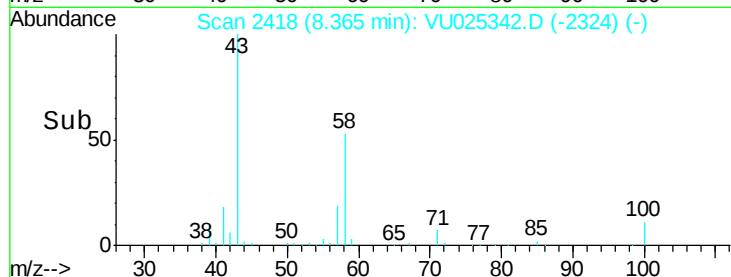
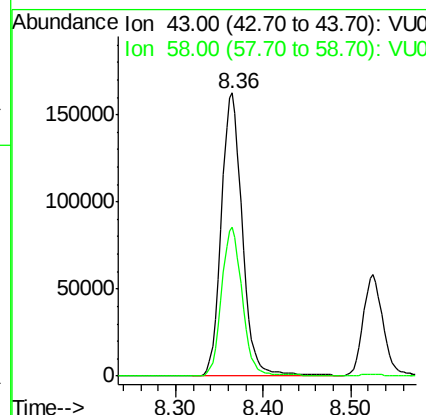
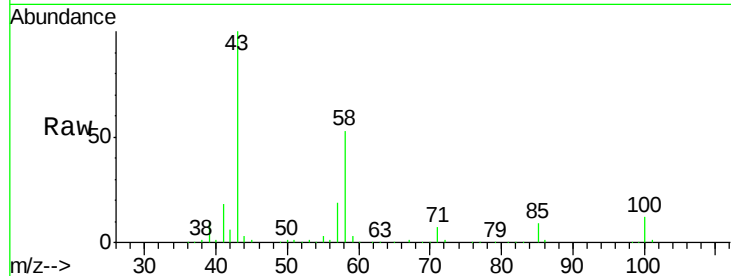
#59
2-Hexanone
Concen: 101.271 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 43 Resp: 272169
Ion Ratio Lower Upper
43 100
58 51.3 26.2 78.5

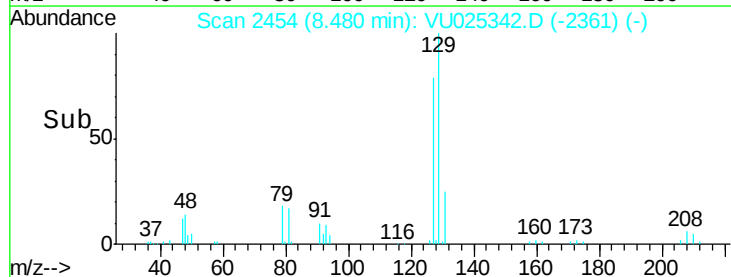
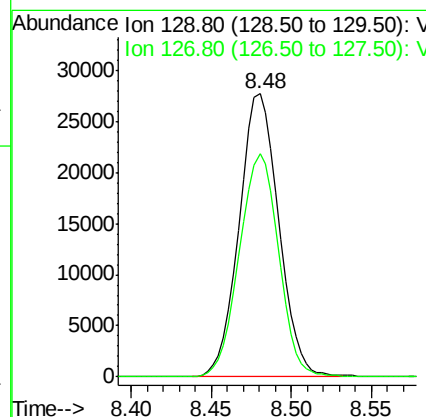
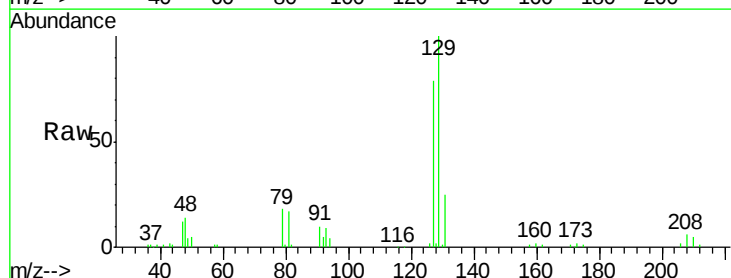
Manual Integrations
APPROVED

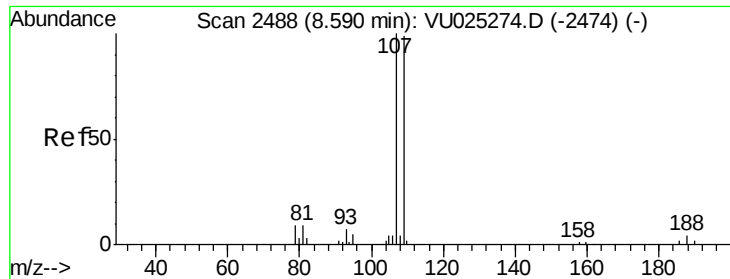
MMDadoda
7/13/2018 11:44:16 AM



#60
Dibromochloromethane
Concen: 19.862 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 129 Resp: 46752
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.719 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion:107 Resp: 48320

Ion Ratio Lower Upper

107 100

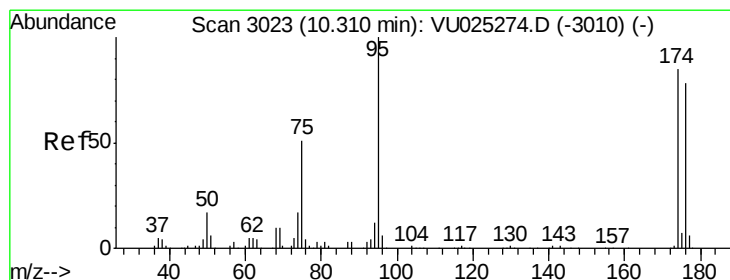
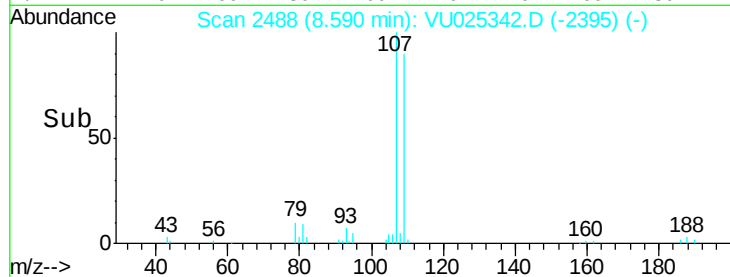
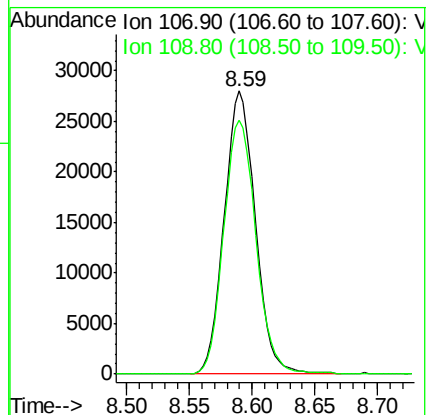
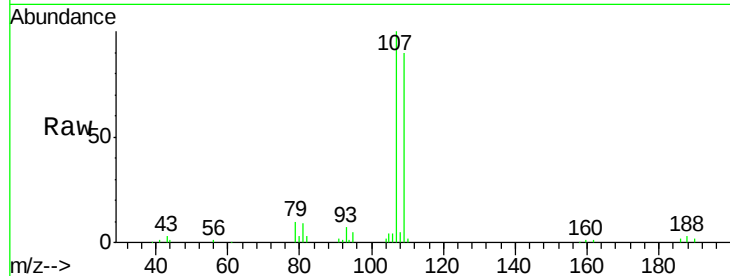
109 92.7 75.8 113.8

Manual Integrations

APPROVED

MMDadoda

7/13/2018 11:44:16 AM



#62

4-Bromofluorobenzene

Concen: 45.515 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

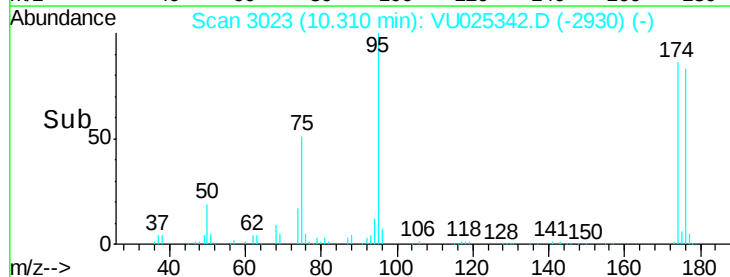
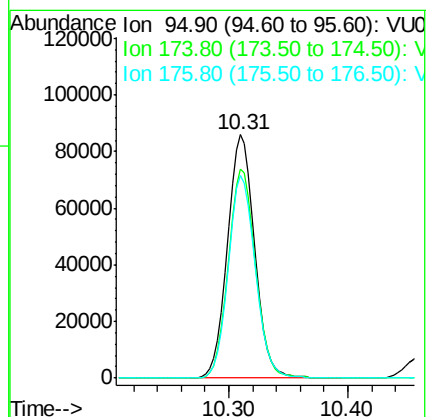
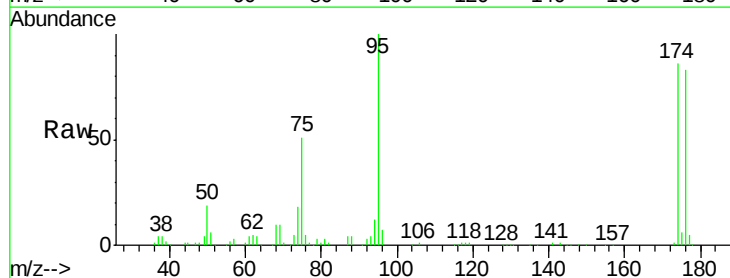
Tgt Ion: 95 Resp: 135911

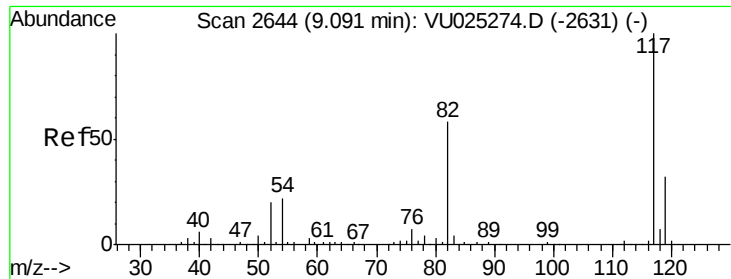
Ion Ratio Lower Upper

95 100

174 85.9 0.0 172.2

176 82.9 0.0 162.6





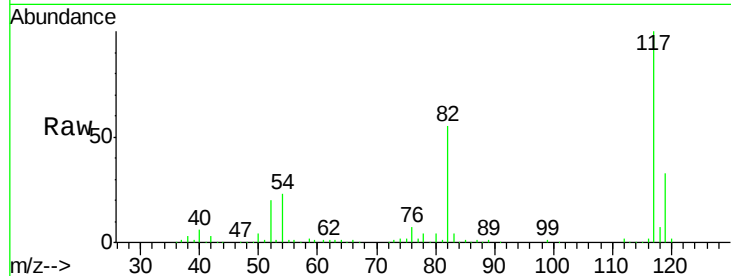
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

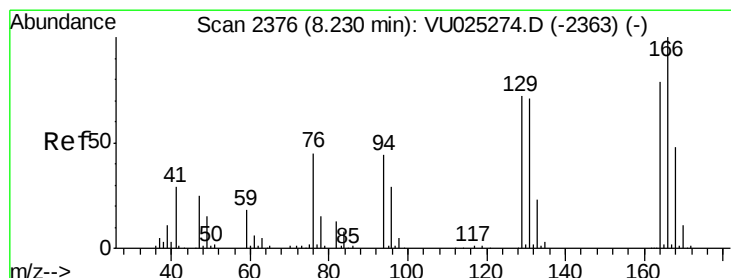
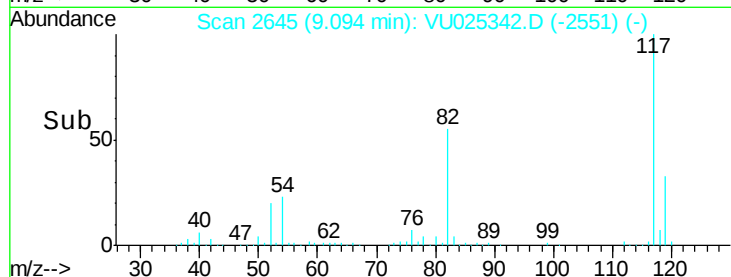
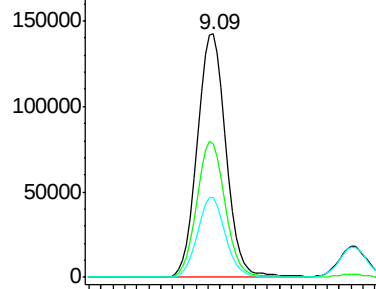
Tot Ion	Ratio	Resp	Lower	Upper
117	100	238144		
82	55.1	46.0	69.0	
119	32.6	26.0	39.0	

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



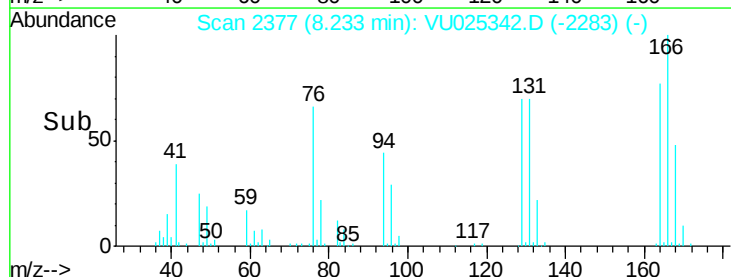
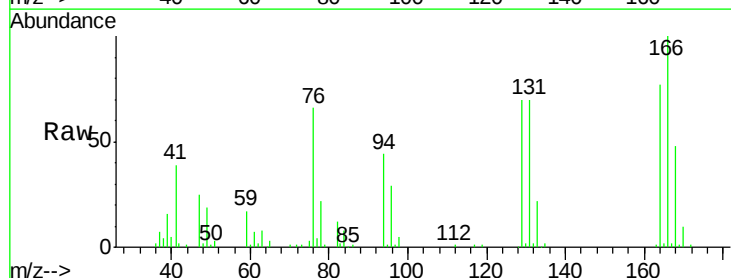
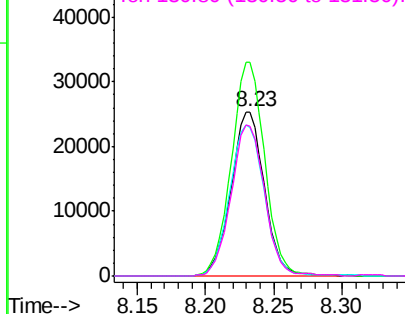
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

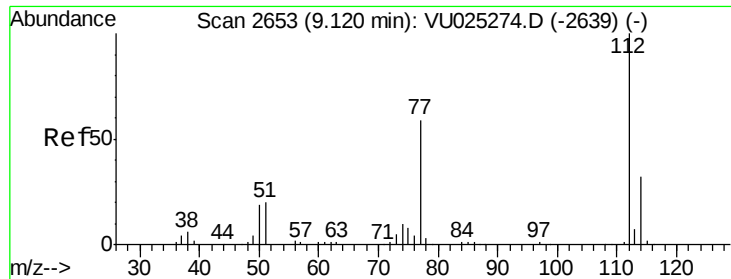


#64
Tetrachloroethene
Concen: 19.809 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43001		
166	130.2	101.1	151.7	
129	90.9	73.0	109.6	
131	91.0	72.1	108.1	

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





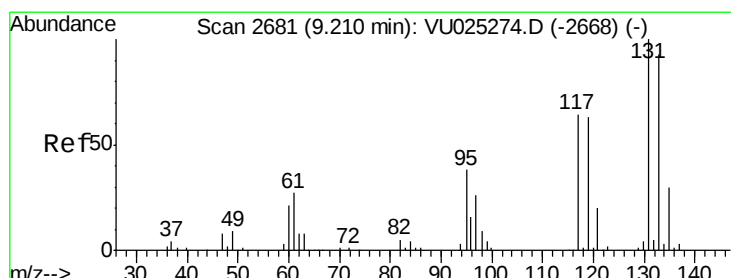
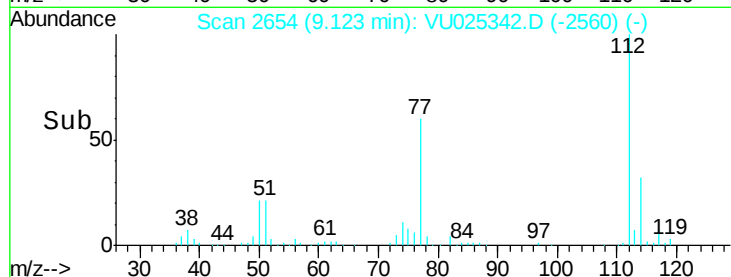
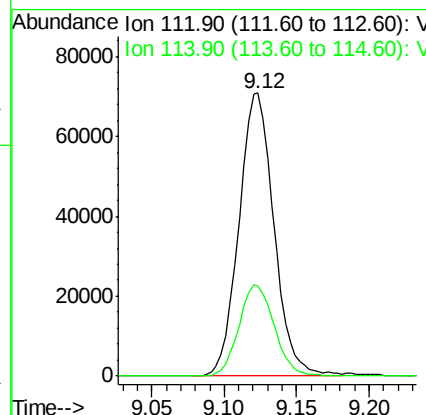
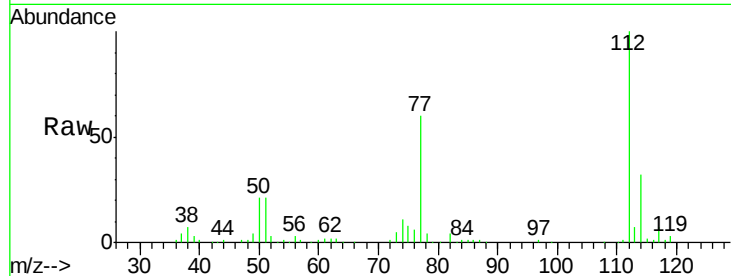
#65
Chlorobenzene
Concen: 20.008 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion:112 Resp: 119029
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

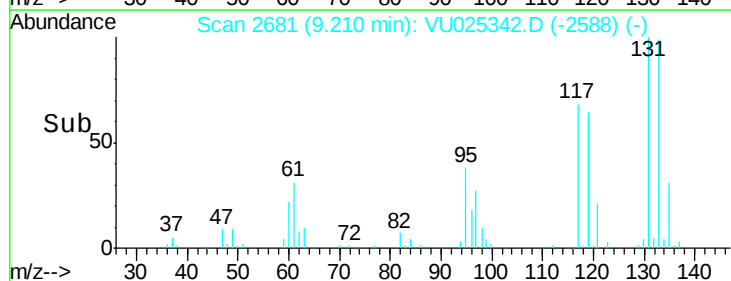
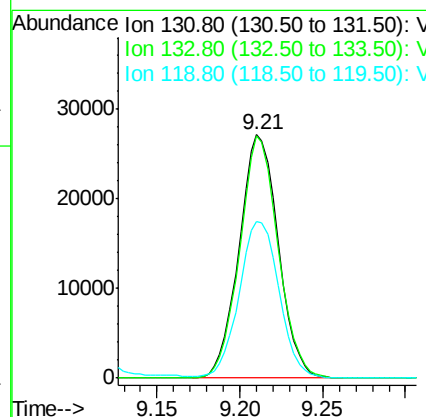
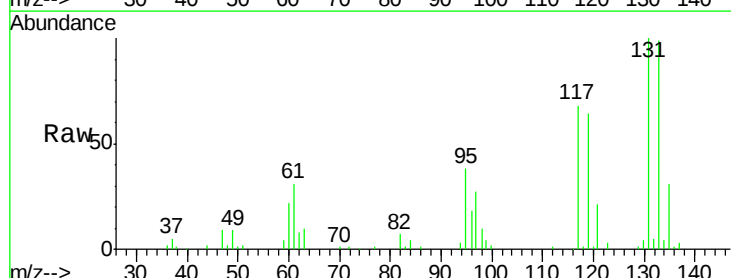
Manual Integrations
APPROVED

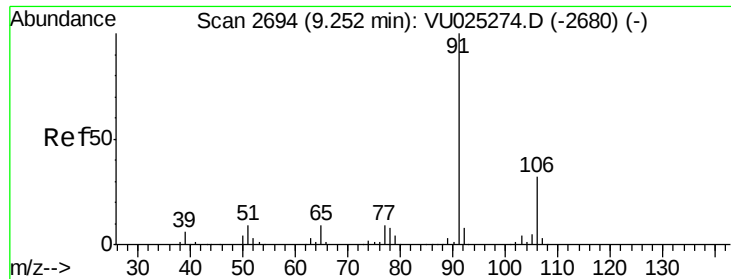
MMDadoda
7/13/2018 11:44:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.948 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion:131 Resp: 44578
Ion Ratio Lower Upper
131 100
133 97.5 47.8 143.3
119 65.9 31.6 95.0





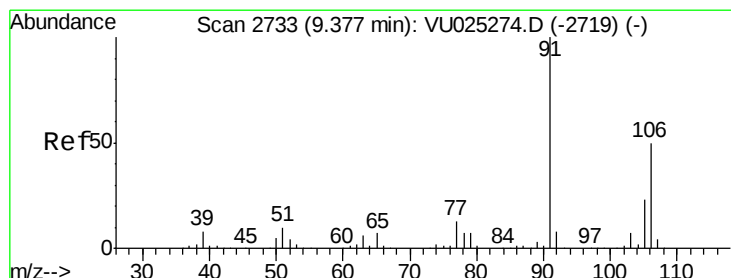
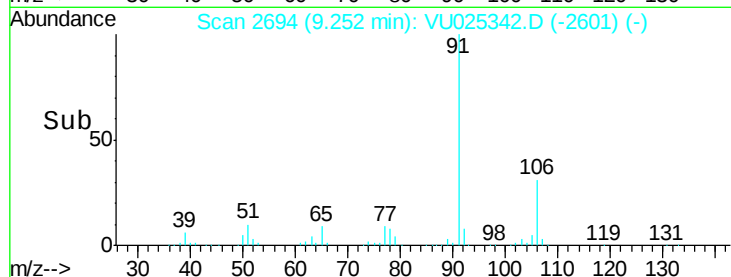
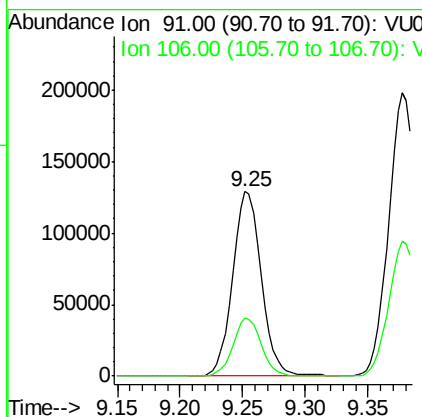
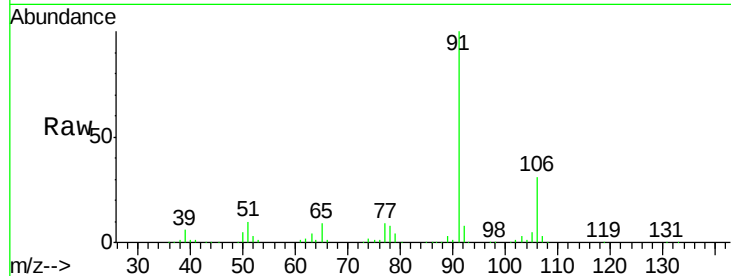
#67
Ethyl Benzene
Concen: 20.271 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 91 Resp: 205592
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9

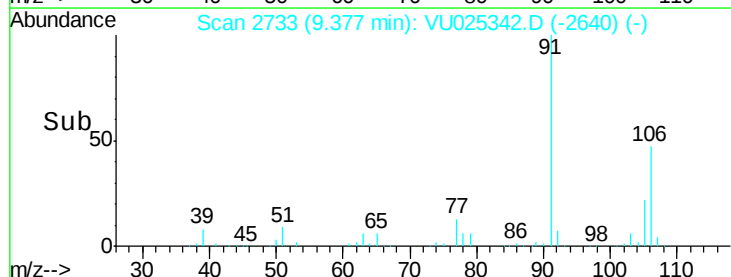
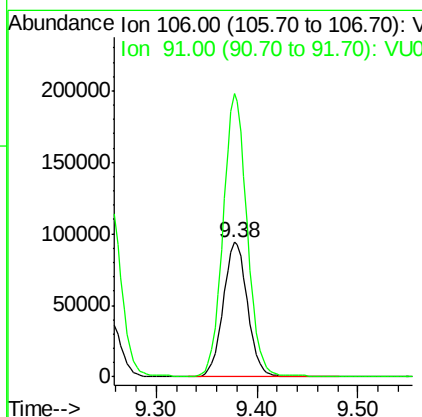
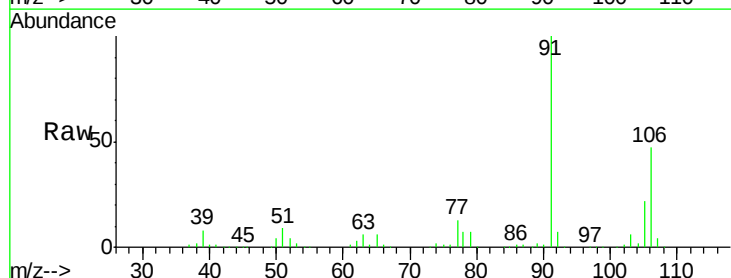
Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#68
m/p-Xylenes
Concen: 40.503 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 106 Resp: 158816
Ion Ratio Lower Upper
106 100
91 206.9 162.3 243.5





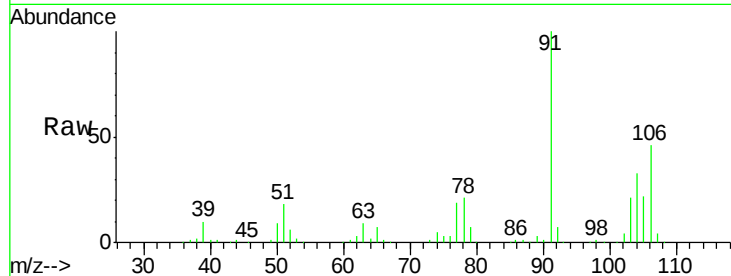
#69
o-Xylene
Concen: 20.431 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

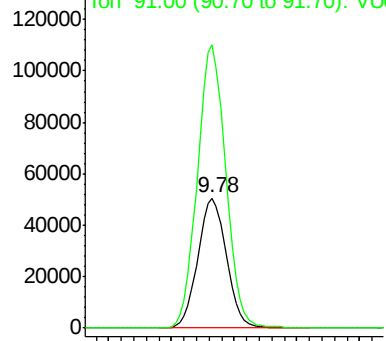
Tot Ion:106 Resp: 80205
Ion Ratio Lower Upper
106 100
91 215.6 105.3 315.8

Manual Integrations
APPROVED

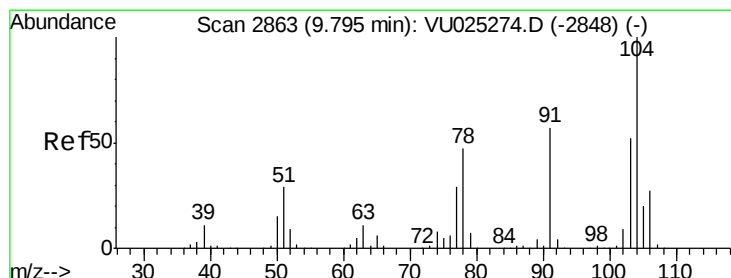
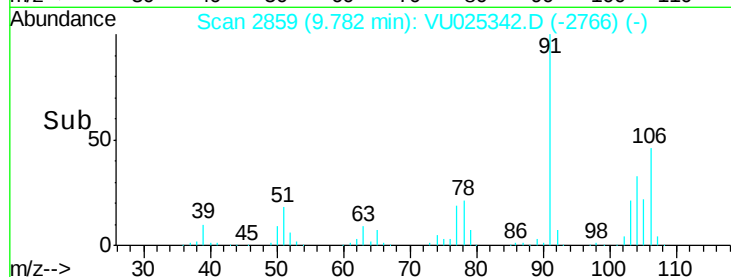
MMDadoda
7/13/2018 11:44:16 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

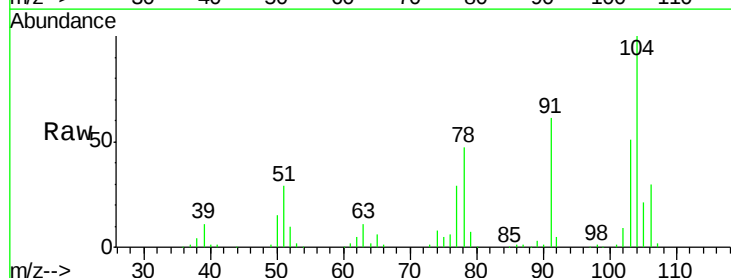


Time-->

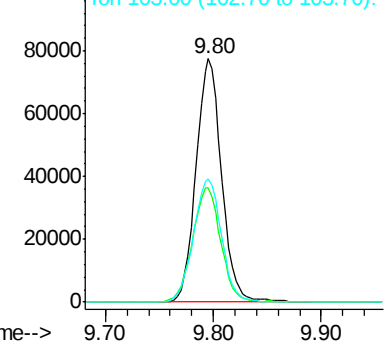


#70
Styrene
Concen: 20.483 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

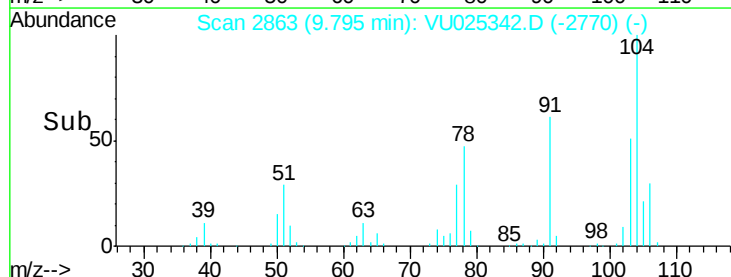
Tgt Ion:104 Resp: 127728
Ion Ratio Lower Upper
104 100
78 51.7 41.6 62.4
103 55.6 44.6 66.8

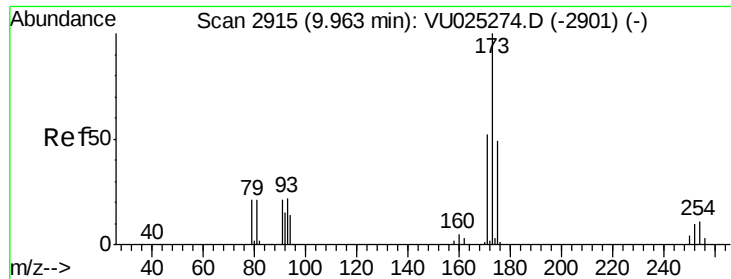


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 20.034 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion:173 Resp: 34978

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

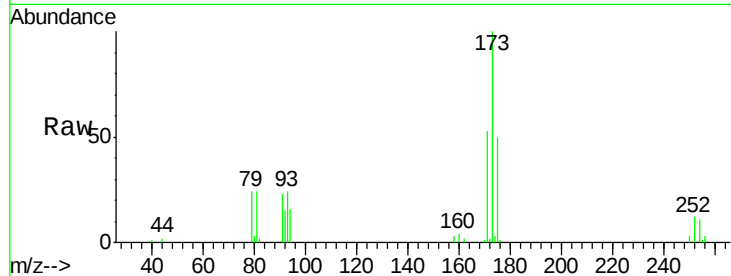
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

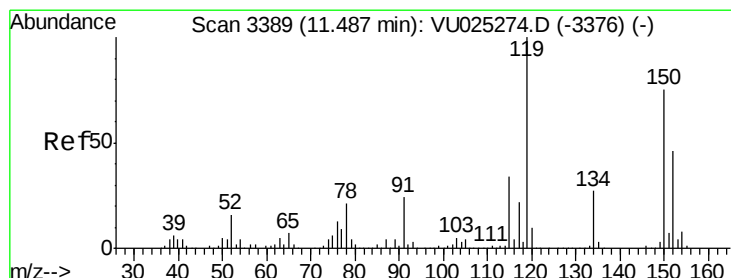
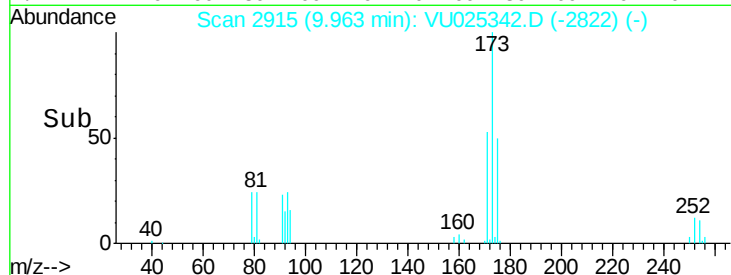
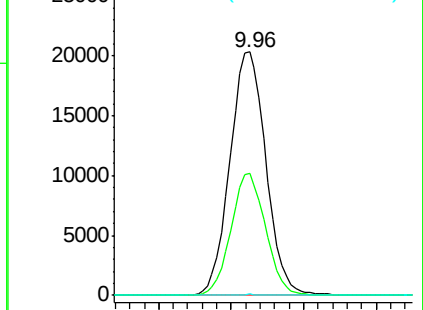
7/13/2018 11:44:16 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

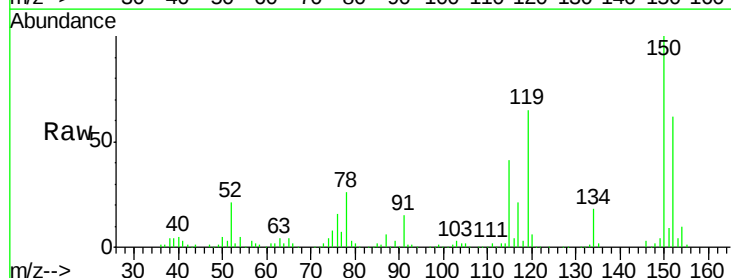
Tgt Ion:152 Resp: 137952

Ion Ratio Lower Upper

152 100

115 68.0 40.1 120.3

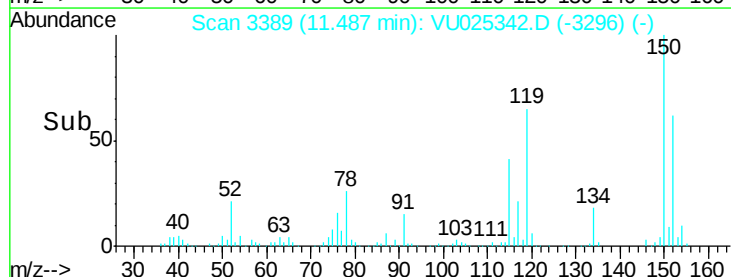
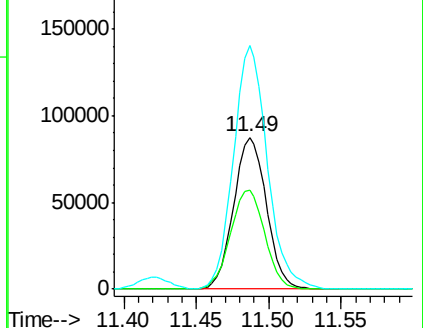
150 165.0 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





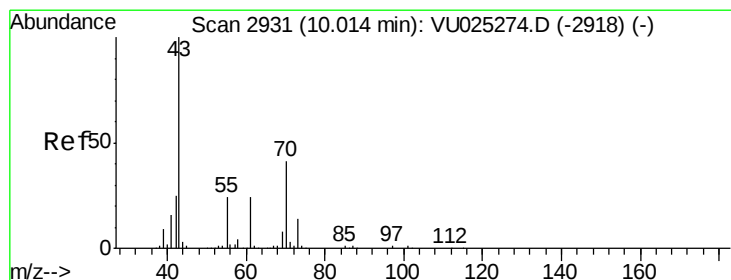
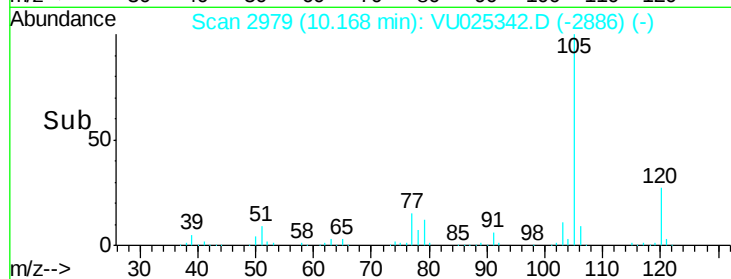
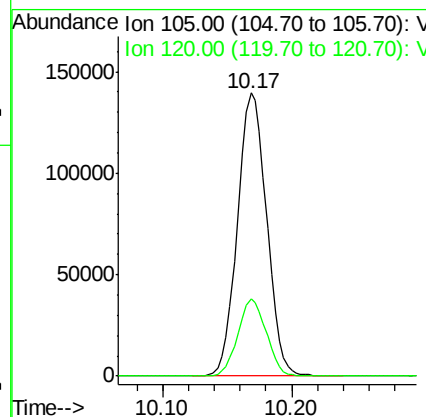
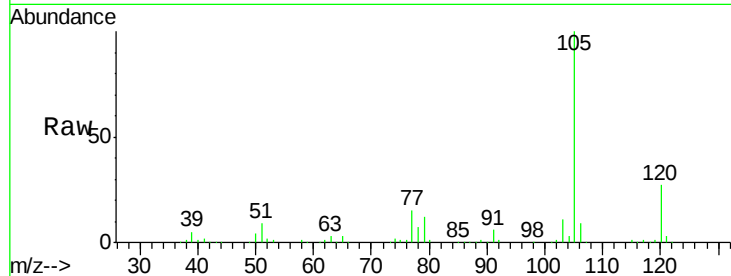
#73
Isopropylbenzene
Concen: 20.810 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 105 Resp: 219342
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.5

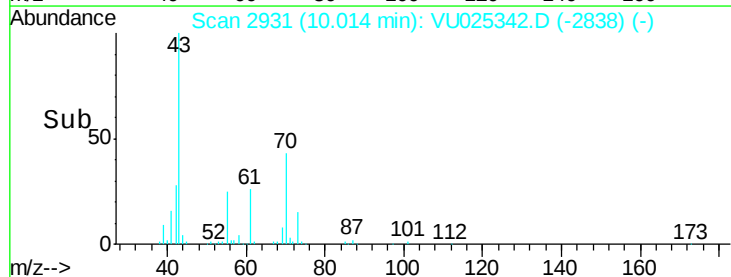
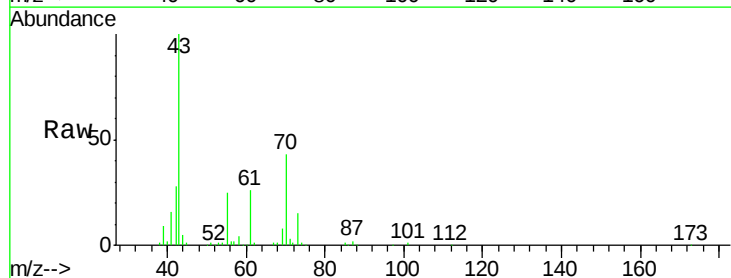
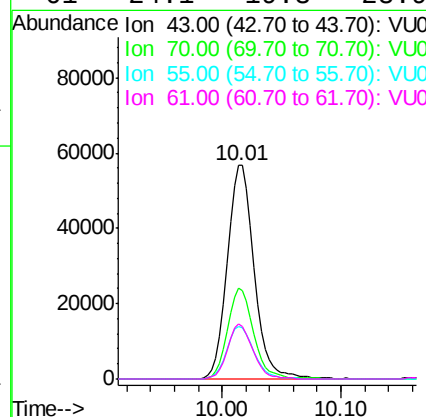
Manual Integrations
APPROVED

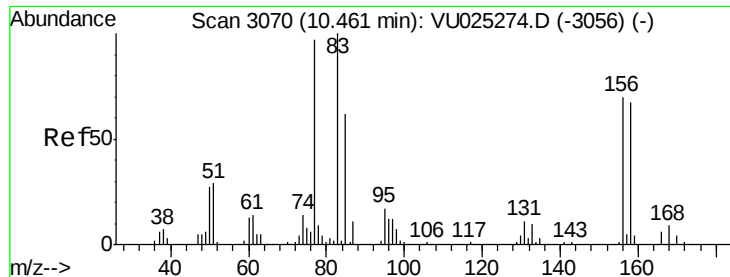
MMDadoda
7/13/2018 11:44:16 AM



#74
N-ethyl acetate
Concen: 21.356 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 43 Resp: 88920
Ion Ratio Lower Upper
43 100
70 41.1 33.4 50.2
55 24.6 19.0 28.6
61 24.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.271 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

ClientSampleId :

VU0712WBS02

Tot Ion: 83 Resp: 73349

Ion Ratio Lower Upper

83 100

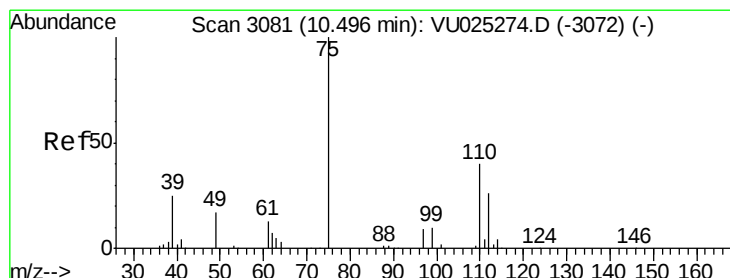
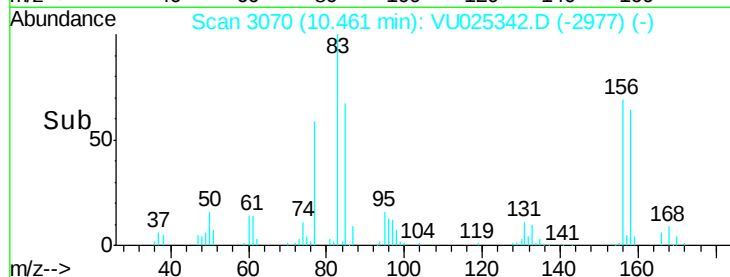
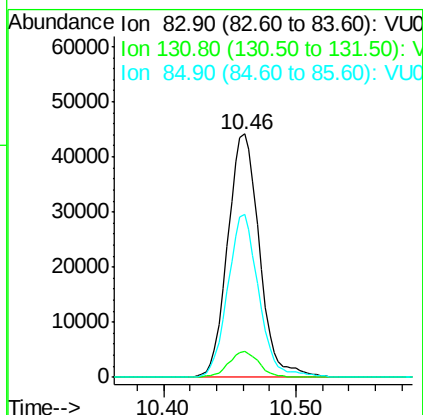
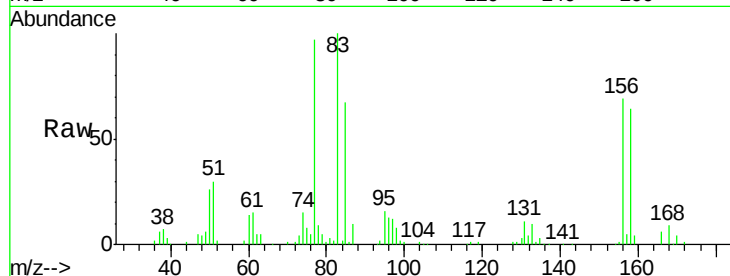
131 10.1 5.5 16.4

85 65.7 31.6 94.8

Manual Integrations
APPROVED

MMDadoda

7/13/2018 11:44:16 AM



#76

1,2,3-Trichloropropane

Concen: 22.129 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025342.D

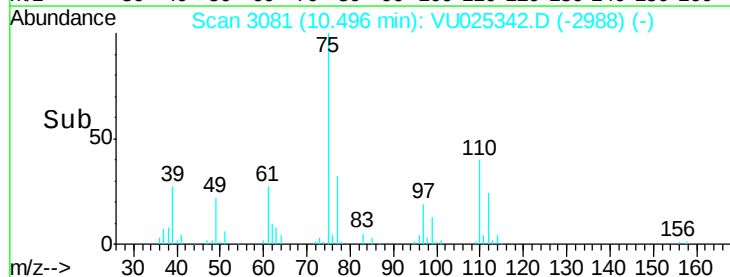
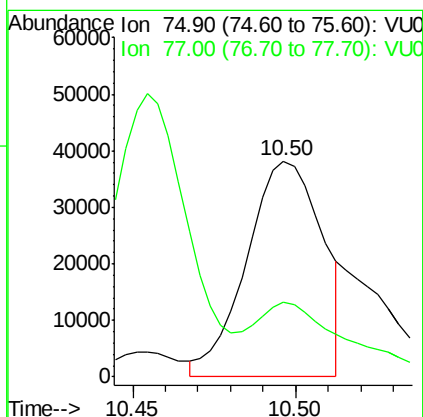
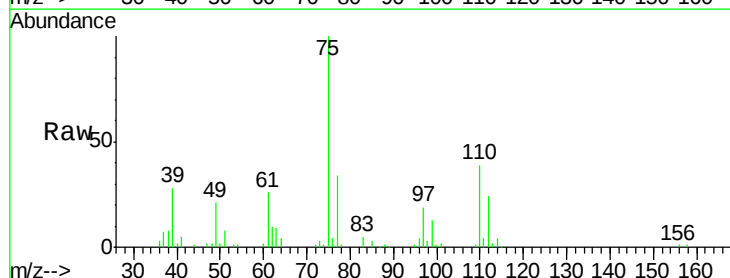
Acq: 12 Jul 2018 16:19

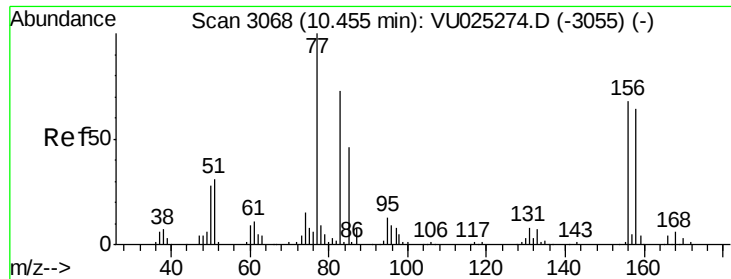
Tgt Ion: 75 Resp: 61583

Ion Ratio Lower Upper

75 100

77 41.8 20.4 61.3





#77

Bromobenzene

Concen: 20.574 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

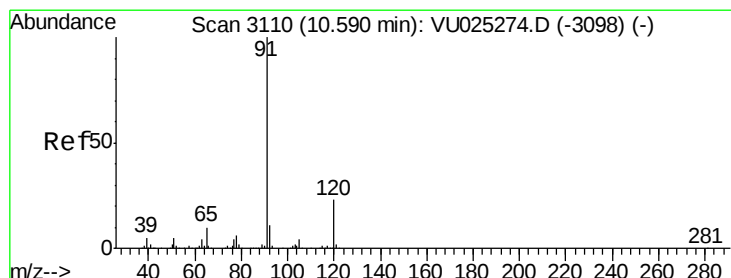
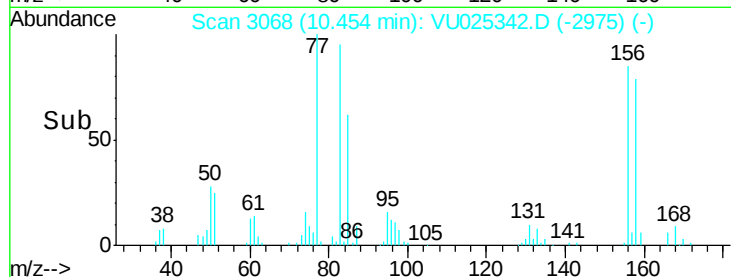
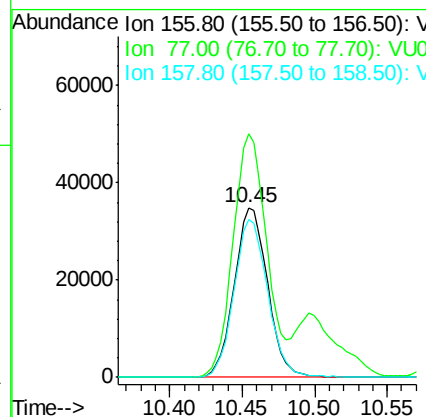
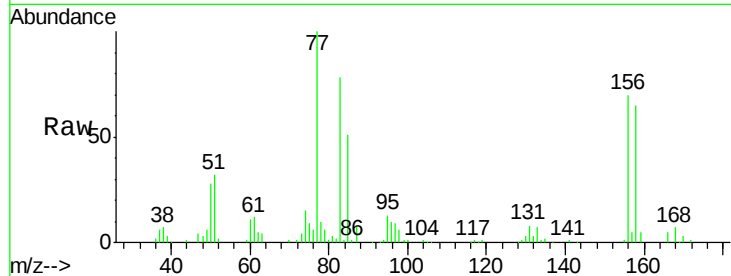
ClientSampleId :

VU0712WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.9	73.8	221.4
158	94.6	48.0	144.0

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#78

n-propylbenzene

Concen: 20.377 ug/l

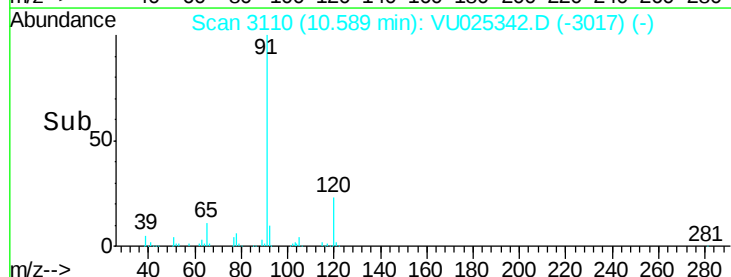
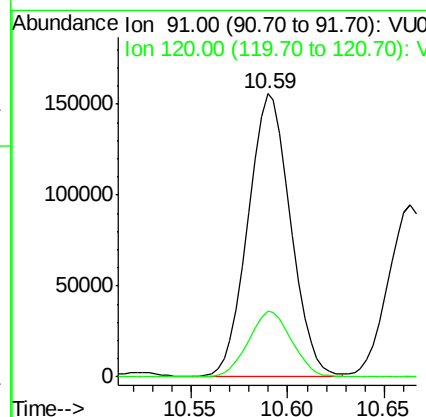
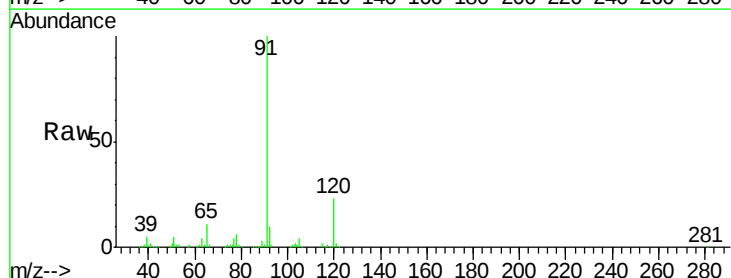
RT: 10.59 min Scan# 3110

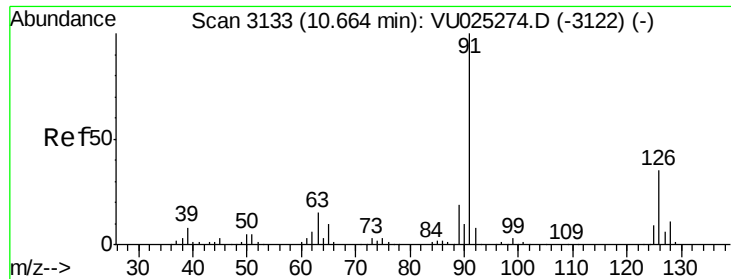
Delta R.T. -0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





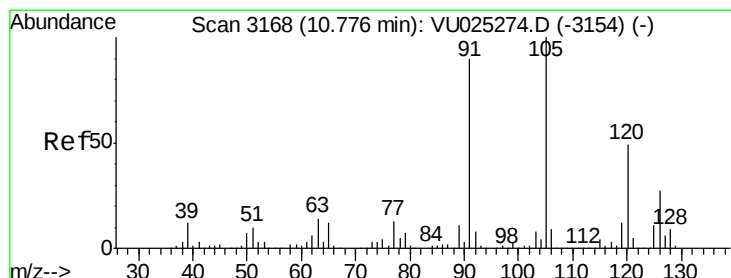
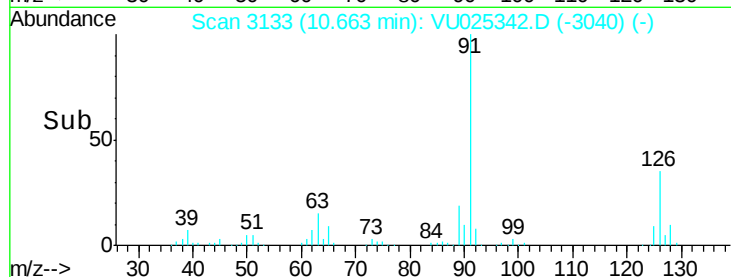
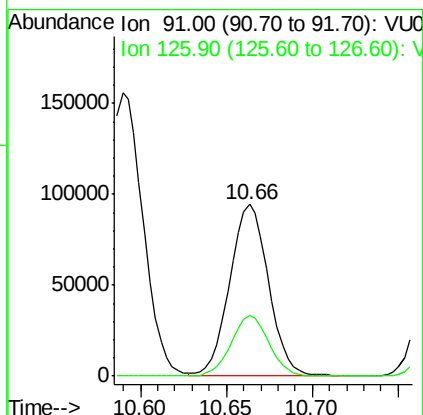
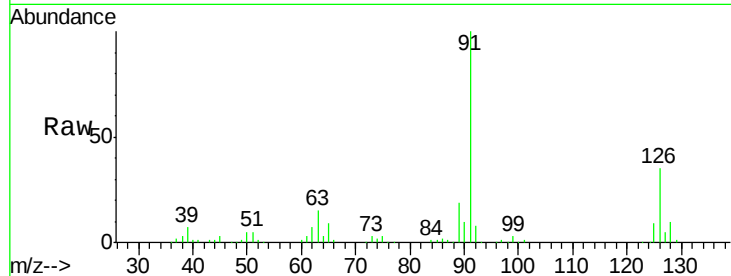
#79
2-Chlorotoluene
Concen: 22.022 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion: 91 Resp: 147351
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.6

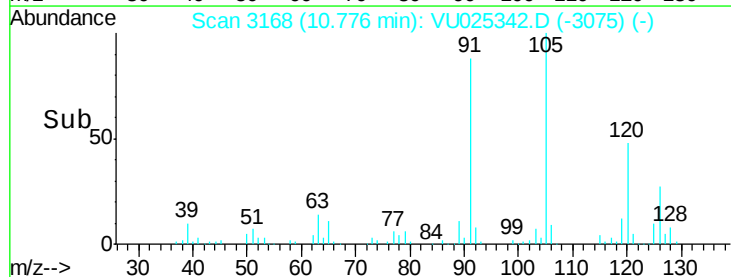
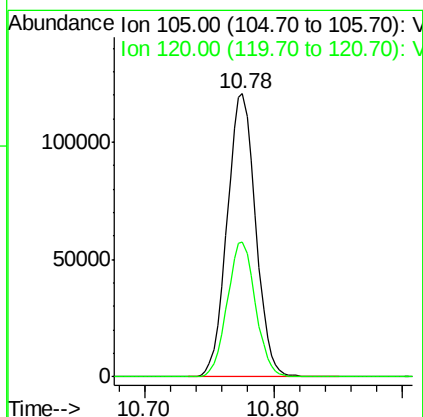
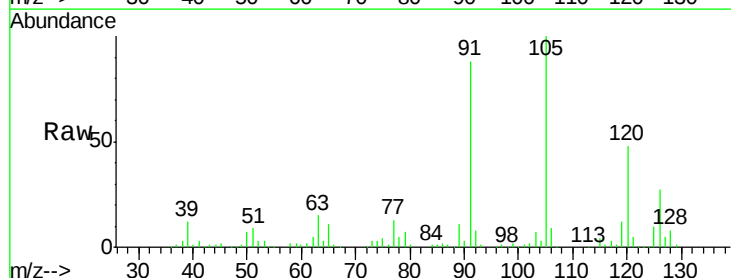
Manual Integrations
APPROVED

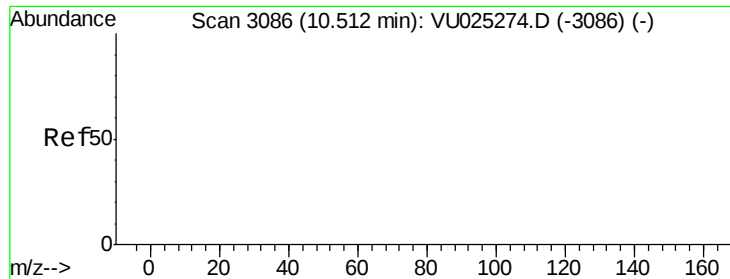
MMDadoda
7/13/2018 11:44:16 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.843 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion: 105 Resp: 184856
Ion Ratio Lower Upper
105 100
120 47.3 24.1 72.2





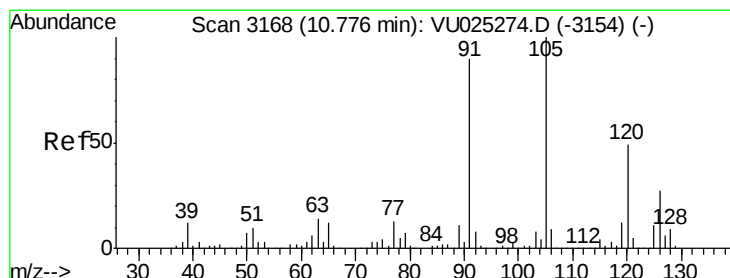
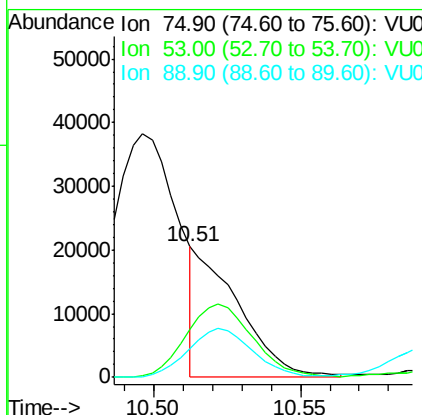
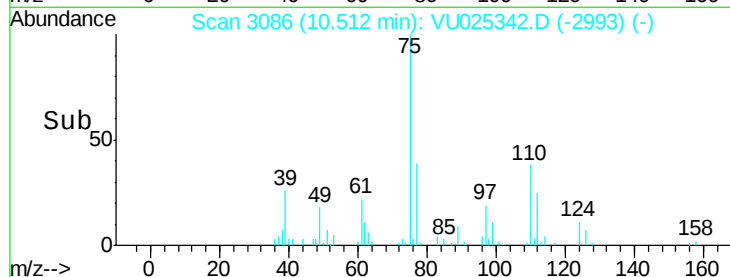
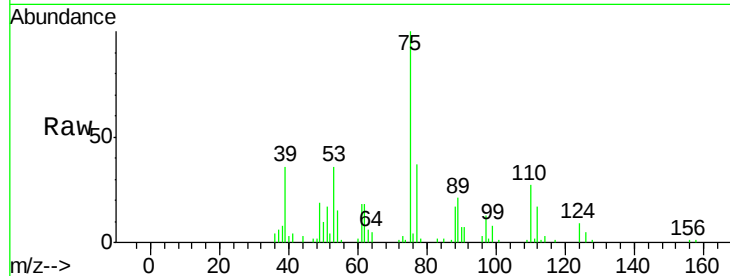
#81
trans-1,4-Dichloro-2-butene
Concen: 19.321 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

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

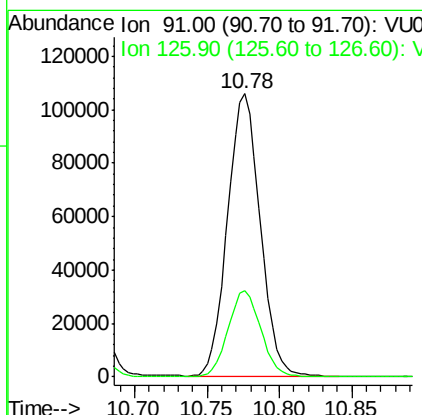
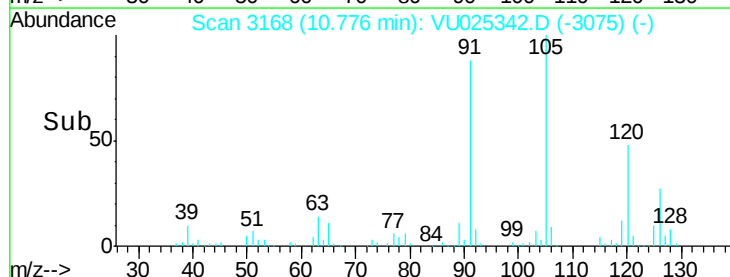
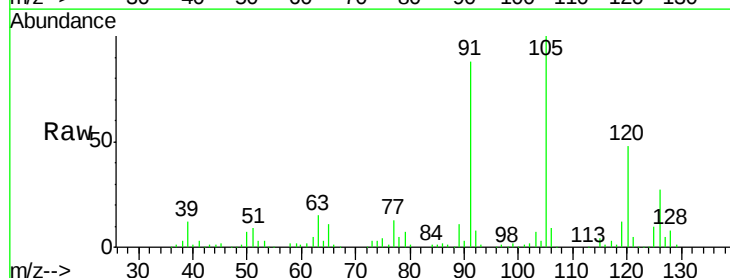
Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#82
4-Chlorotoluene
Concen: 19.922 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.9





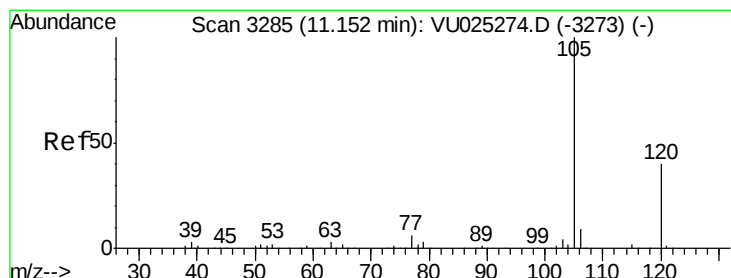
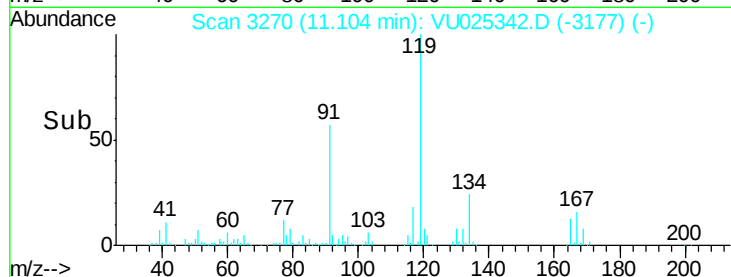
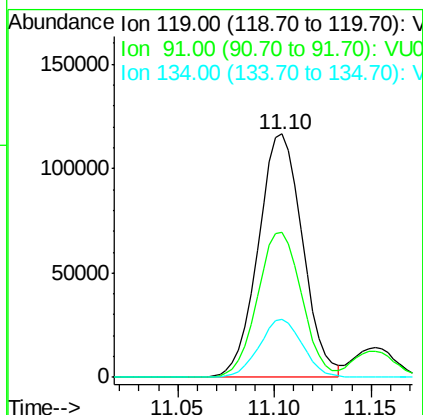
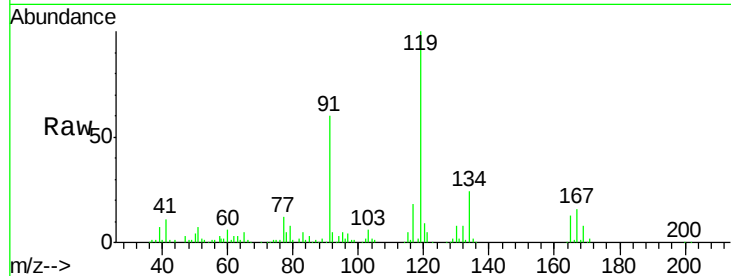
#83
tert-Butylbenzene
Concen: 20.757 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186036		
91	59.7	29.7	89.1	
134	23.2	11.5	34.5	

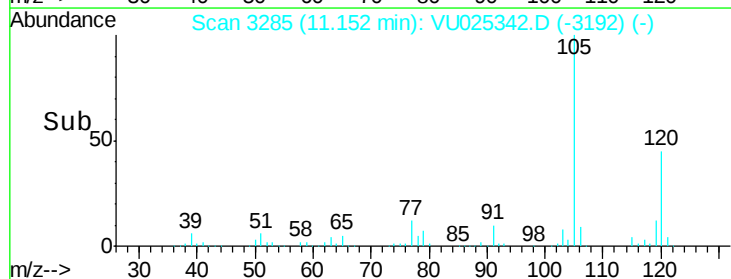
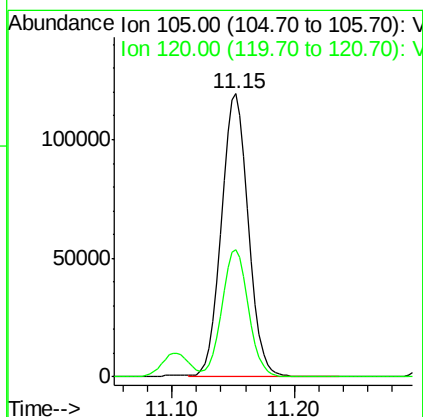
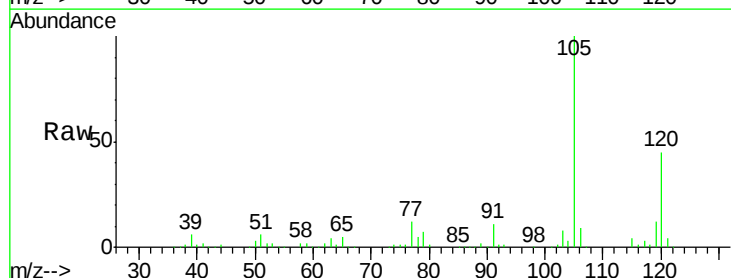
Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.416 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185575		
120	44.3	22.3	66.8	





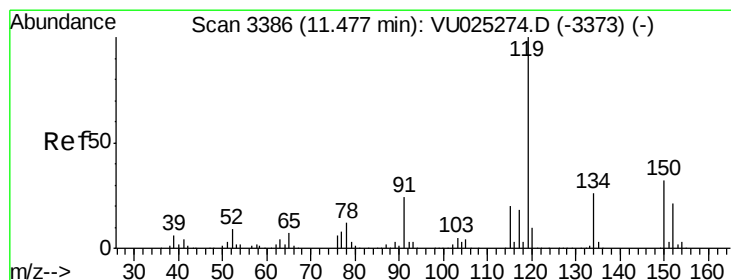
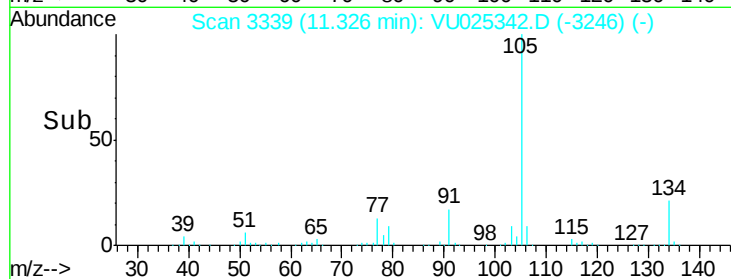
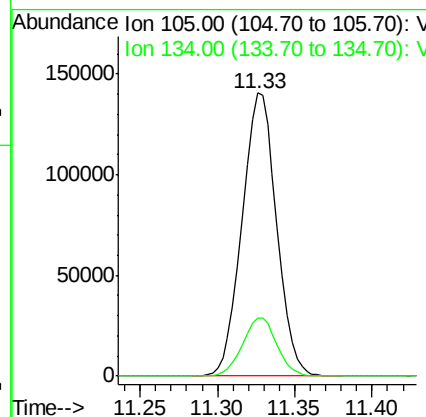
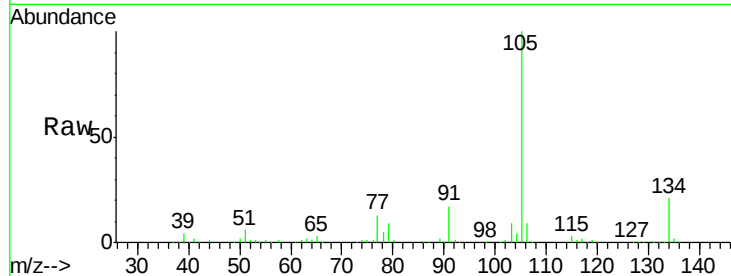
#85
 sec-Butylbenzene
 Concen: 20.604 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

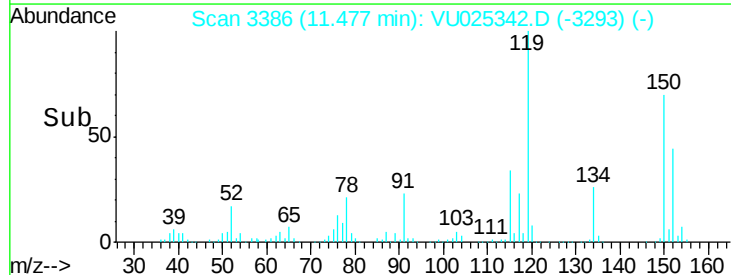
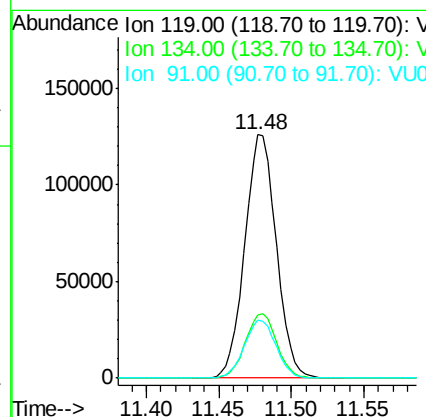
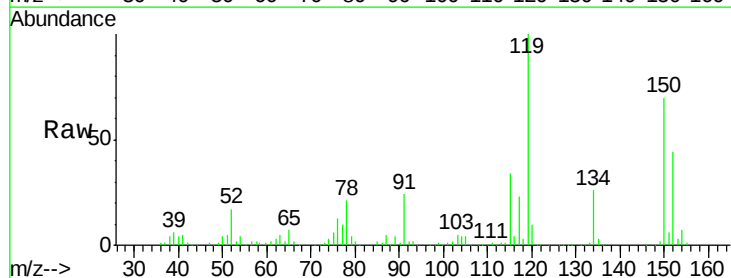
Manual Integrations
 APPROVED

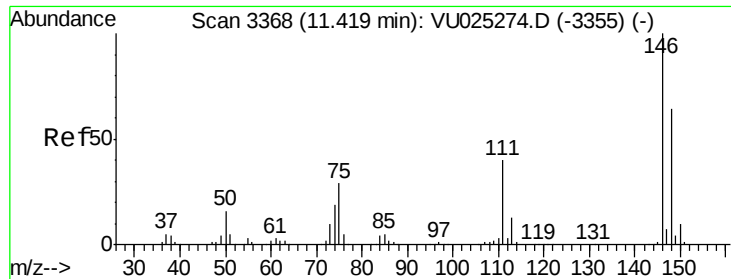
MMDadoda
 7/13/2018 11:44:16 AM



#86
 p-Isopropyltoluene
 Concen: 20.310 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	24.0	12.0	36.1





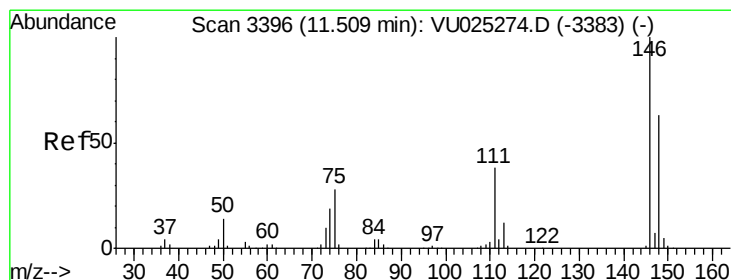
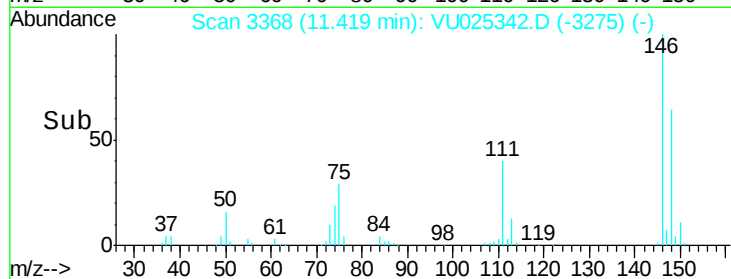
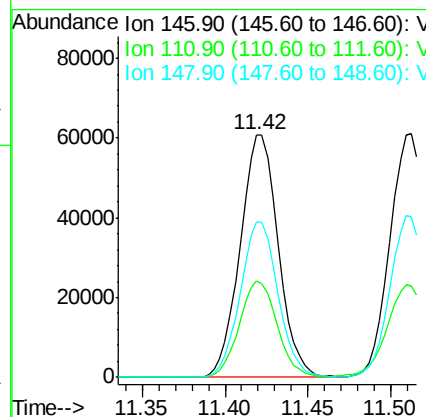
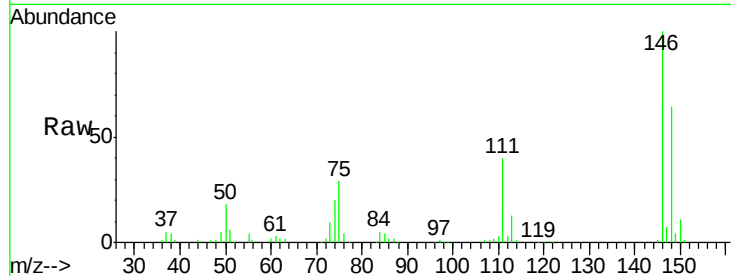
#87
 1,3-Dichlorobenzene
 Concen: 19.688 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.6	32.1	96.3

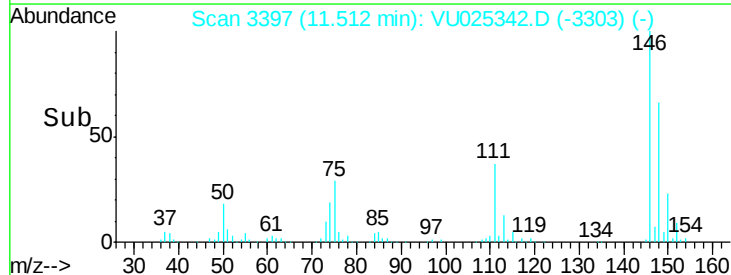
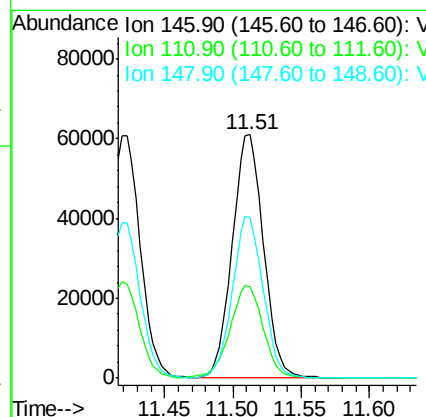
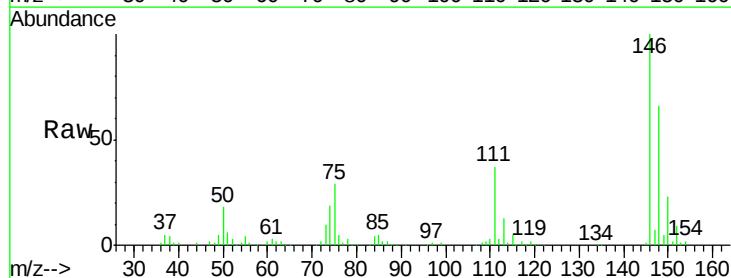
Manual Integrations
 APPROVED

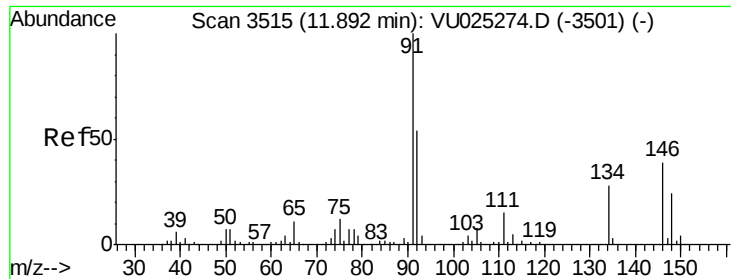
MMDadoda
 7/13/2018 11:44:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.095 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.4	58.1
148	65.6	31.7	95.1





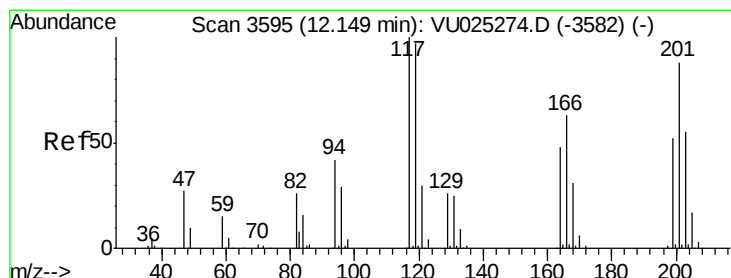
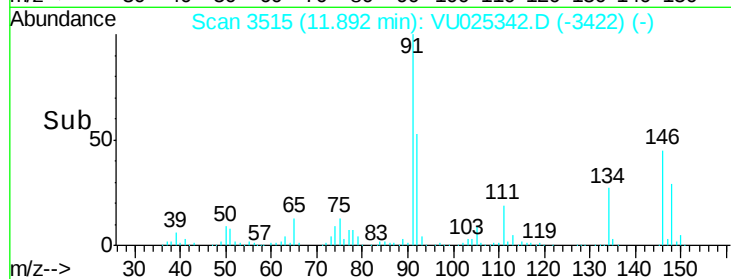
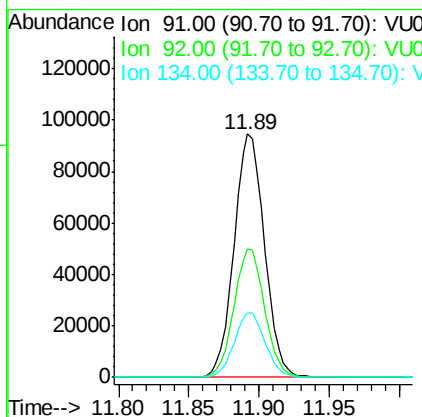
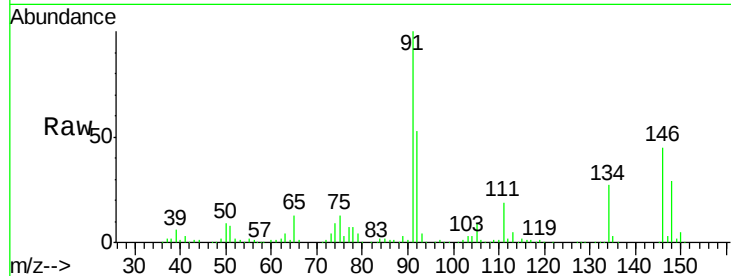
#89
n-Butylbenzene
Concen: 18.617 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Instrument :
MSVOA_U
ClientSampleId :
VU0712WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.5
134	27.0	13.6	40.7

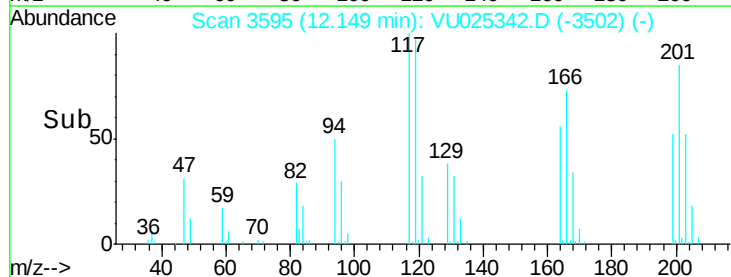
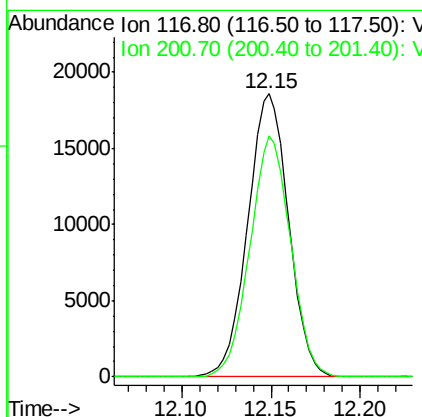
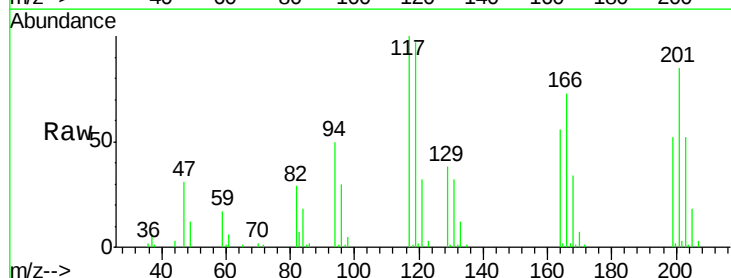
Manual Integrations
APPROVED

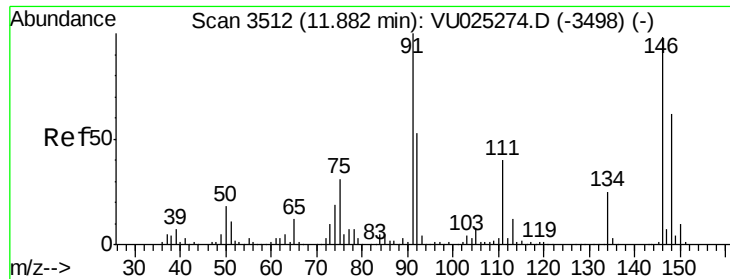
MMDadoda
7/13/2018 11:44:16 AM



#90
Hexachloroethane
Concen: 18.825 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025342.D
Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.7	42.5	127.6





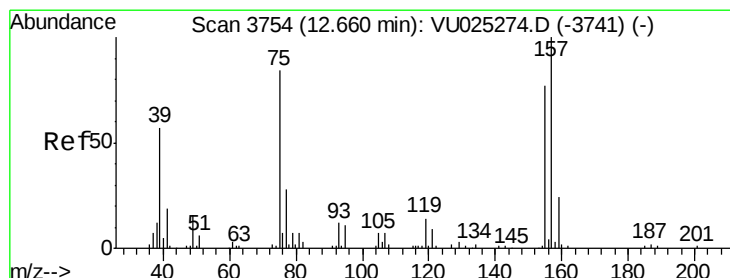
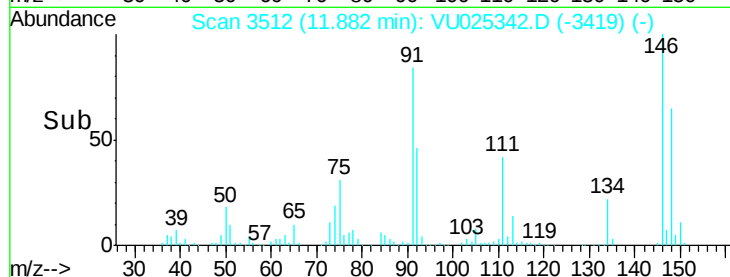
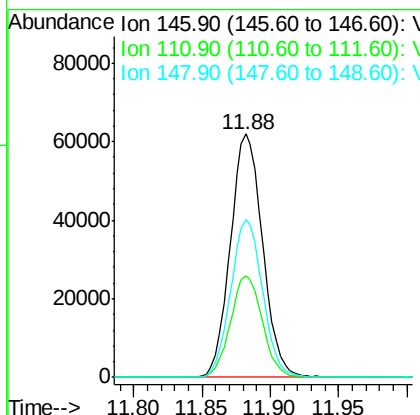
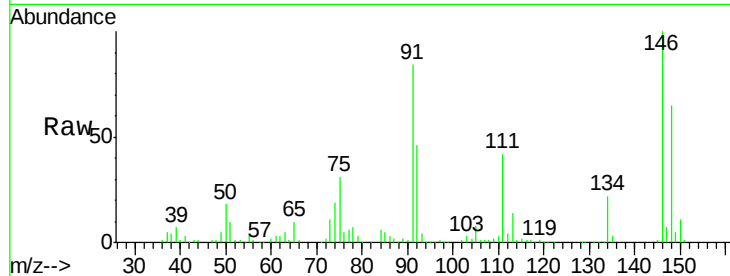
#91
 1,2-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.8
148	64.1	31.5	94.5

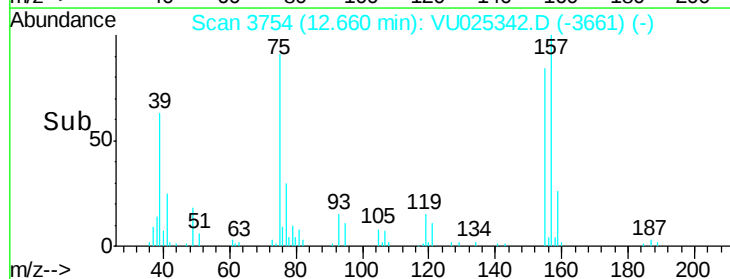
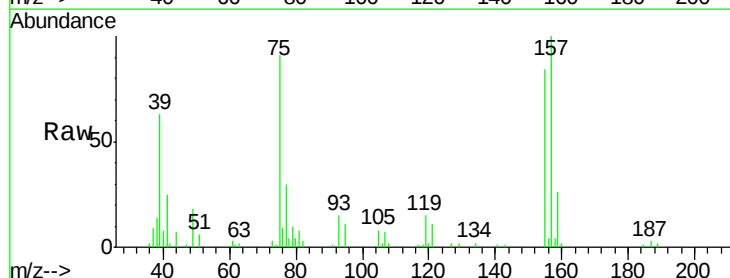
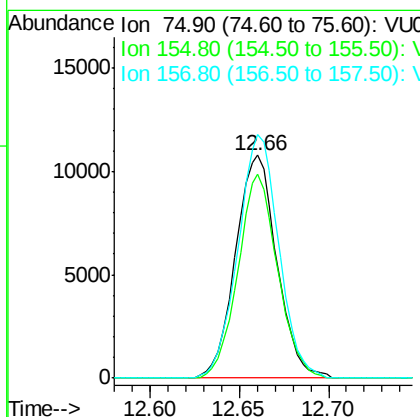
Manual Integrations
 APPROVED

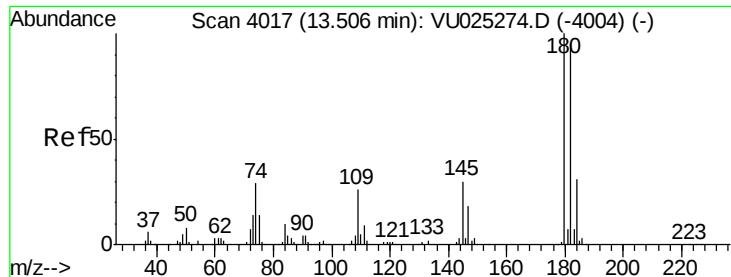
MMDadoda
 7/13/2018 11:44:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.840 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	44.5	133.3
157	108.0	57.0	170.8





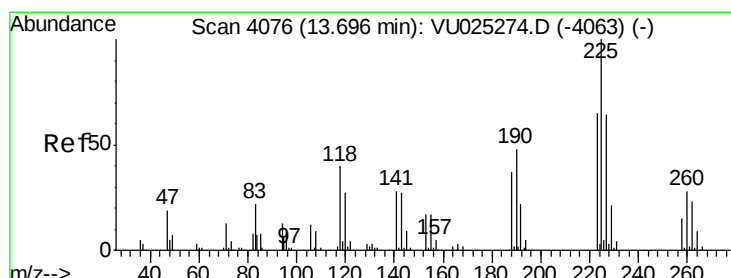
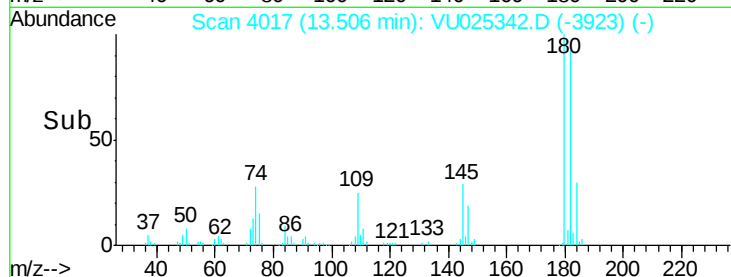
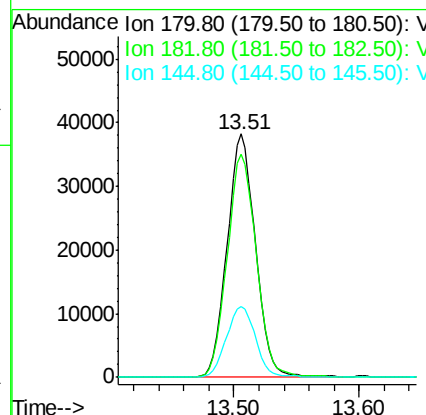
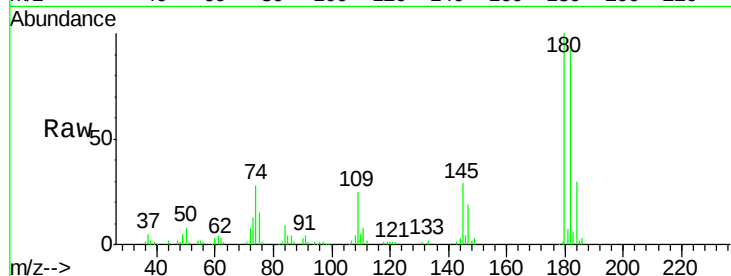
#93
 1,2,4-Trichlorobenzene
 Concen: 20.096 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.9
145	29.6	14.9	44.7

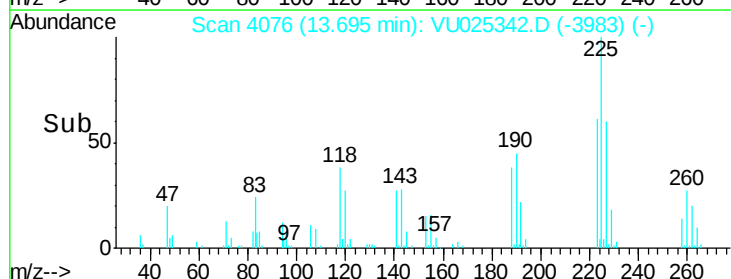
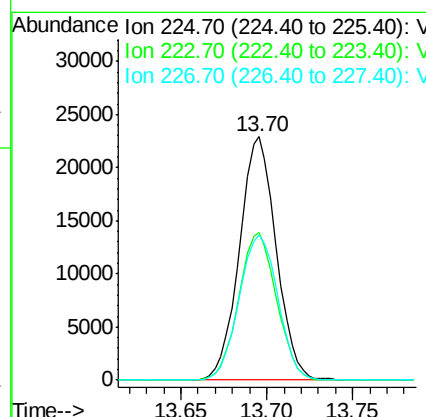
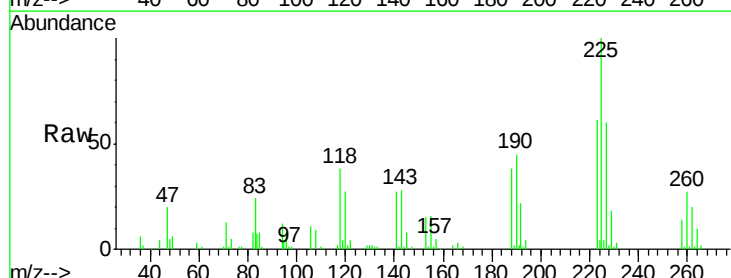
Manual Integrations
 APPROVED

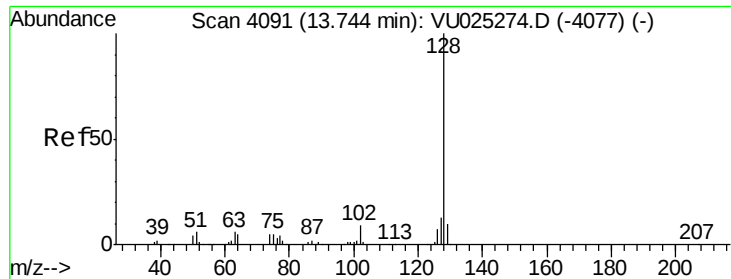
MMDadoda
 7/13/2018 11:44:16 AM



#94
 Hexachlorobutadiene
 Concen: 19.123 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025342.D
 Acq: 12 Jul 2018 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	62.9	32.3	96.9





#95

Naphthalene

Concen: 20.061 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Instrument :

MSVOA_U

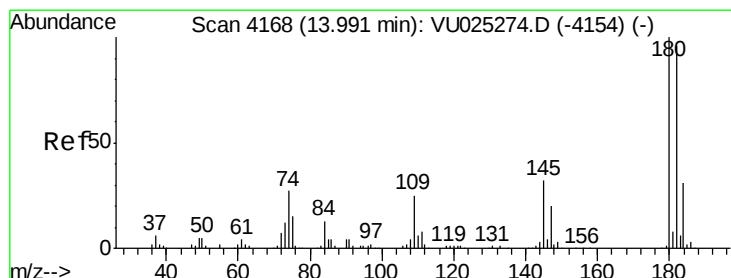
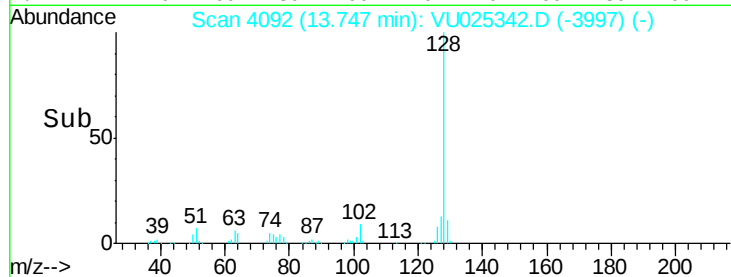
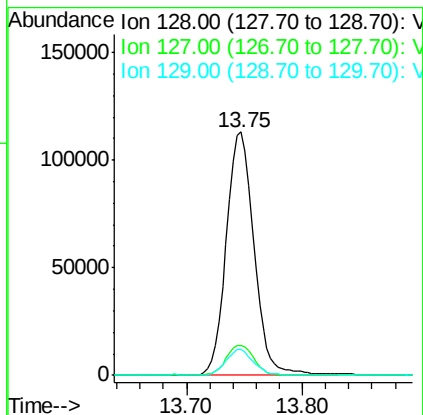
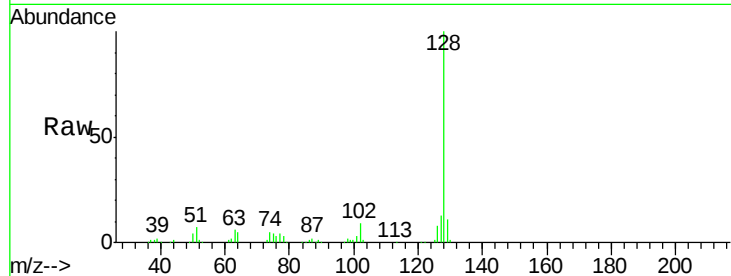
ClientSampleId :

VU0712WBS02

Tot Ion:	128	Resp:	187815
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.045 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025342.D

Acq: 12 Jul 2018 16:19

Tgt Ion:	180	Resp:	62426
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.8	143.3
145	30.8	15.6	46.8

