

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025057.D
 Acq On : 29 Jun 2018 06:49
 Operator : MD/SY
 Sample : J3707-20MS
 Misc : 6.33g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:48 PM

Quant Time: Jun 29 09:02:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	201037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	312671	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	309483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	192859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	153707	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	4.89	113	125357	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	7.57	98	426590	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	10.32	95	192498	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	96820	38.48	ug/l	99
3) Chloromethane	1.32	50	100571	39.12	ug/l	99
4) Vinyl Chloride	1.40	62	115915	43.72	ug/l	100
5) Bromomethane	1.60	94	29781	23.24	ug/l	98
6) Chloroethane	1.66	64	43202	28.71	ug/l	97
7) Trichlorofluoromethane	1.82	101	151077	37.34	ug/l	98
8) Diethyl Ether	2.10	74	70819	51.49	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.25	101	100297	39.96	ug/l	96
10) Methyl Iodide	2.38	142	97025	46.13	ug/l	98
11) Tert butyl alcohol	2.83	59	7327	9.18	ug/l #	72
12) 1,1-Dichloroethene	2.25	96	95894	41.89	ug/l	91
13) Acrolein	2.20	56	35017	83.54	ug/l	99
14) Allyl chloride	2.57	41	179868	42.32	ug/l	87
15) Acrylonitrile	2.95	53	374287	241.01	ug/l	99
16) Acetone	2.35	43	340428	193.05	ug/l	99
17) Carbon Disulfide	2.45	76	250219	34.14	ug/l	98
18) Methyl Acetate	2.62	43	227880	60.28	ug/l	98
19) Methyl tert-butyl Ether	3.01	73	420535	48.87	ug/l	95
20) Methylene Chloride	2.69	84	123085	44.48	ug/l	94
21) trans-1,2-Dichloroethene	2.97	96	112842	44.76	ug/l	96
22) Diisopropyl ether	3.58	45	397507	47.18	ug/l	95
23) Vinyl Acetate	3.53	43	1582108	209.62	ug/l	98
24) 1,1-Dichloroethane	3.44	63	225858	46.60	ug/l	99
25) 2-Butanone	4.28	43	502079	211.97	ug/l	96
26) 2,2-Dichloropropane	4.22	77	131271	28.52	ug/l	88
27) cis-1,2-Dichloroethene	4.22	96	295870	102.08	ug/l	92
28) Bromochloromethane	4.55	49	89015	41.69	ug/l	85
29) Tetrahydrofuran	4.65	42	334670	228.16	ug/l	96
30) Chloroform	4.68	83	237362	48.38	ug/l	99
31) Cyclohexane	4.99	56	189801	43.85	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	210999	46.51	ug/l	96
36) 1,1-Dichloropropene	5.13	75	161216	43.88	ug/l	97
37) Ethyl Acetate	4.39	43	205759	51.38	ug/l	98
38) Carbon Tetrachloride	5.13	117	182659	45.21	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025057.D
 Acq On : 29 Jun 2018 06:49
 Operator : MD/SY
 Sample : J3707-20MS
 Misc : 6.33q/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:48 PM

Quant Time: Jun 29 09:02:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	190597	41.57	ug/l	96
40) Benzene	5.39	78	482703	46.11	ug/l	100
41) Methacrylonitrile	4.55	41	104326	48.32	ug/l	96
42) 1,2-Dichloroethane	5.41	62	198234	49.72	ug/l	99
43) Isopropyl Acetate	5.56	43	320406	46.29	ug/l	98
44) Trichloroethene	6.19	130	137853	46.27	ug/l	95
45) 1,2-Dichloropropane	6.44	63	134439	48.13	ug/l	99
46) Dibromomethane	6.56	93	94791	48.31	ug/l	95
47) Bromodichloromethane	6.76	83	181220	46.38	ug/l	99
48) Methyl methacrylate	6.63	41	161113	47.80	ug/l	99
49) 1,4-Dioxane	6.65	88	73009	1107.60	ug/l	96
51) 4-Methyl-2-Pentanone	7.48	43	1070578	246.18	ug/l	97
52) Toluene	7.64	92	316959	47.06	ug/l	100
53) t-1,3-Dichloropropene	7.89	75	193996	44.21	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	199834	42.74	ug/l	98
55) 1,1,2-Trichloroethane	8.08	97	140099	51.17	ug/l	97
56) Ethyl methacrylate	8.03	69	231212	50.45	ug/l	99
57) 1,3-Dichloropropane	8.25	76	230461	49.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.14	63	76737	43.71	ug/l	95
59) 2-Hexanone	8.38	43	861358	242.61	ug/l	98
60) Dibromochloromethane	8.49	129	157057	46.00	ug/l	100
61) 1,2-Dibromoethane	8.59	107	148319	48.67	ug/l	99
64) Tetrachloroethene	8.23	164	141159	47.98	ug/l	97
65) Chlorobenzene	9.13	112	386795	48.92	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.22	131	144635	48.15	ug/l	98
67) Ethyl Benzene	9.26	91	642198	46.33	ug/l	96
68) m/p-Xylenes	9.38	106	500653	94.07	ug/l	97
69) o-Xylene	9.79	106	250146	47.49	ug/l	97
70) Styrene	9.80	104	421967	48.75	ug/l	99
71) Bromoform	9.97	173	131351	46.01	ug/l #	98
73) Isopropylbenzene	10.17	105	689370	46.56	ug/l	99
74) N-amyl acetate	10.02	43	307548	43.67	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.47	83	241644	48.70	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	211003m	49.69	ug/l	
77) Bromobenzene	10.46	156	183677	49.00	ug/l	95
78) n-propylbenzene	10.59	91	775717	44.47	ug/l	97
79) 2-Chlorotoluene	10.67	91	484497	47.10	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	589709	45.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	85880m	46.81	ug/l	
82) 4-Chlorotoluene	10.78	91	558411	46.64	ug/l	100
83) tert-Butylbenzene	11.11	119	596736	48.34	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	597354	45.67	ug/l	99
85) sec-Butylbenzene	11.33	105	710626	45.99	ug/l	98
86) p-Isopropyltoluene	11.48	119	612499	44.26	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	331099	47.81	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	332944	47.76	ug/l	98
89) n-Butylbenzene	11.90	91	482685	39.28	ug/l	96
90) Hexachloroethane	12.15	117	111717	41.38	ug/l	97
91) 1,2-Dichlorobenzene	11.89	146	342635	49.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	57470	41.98	ug/l	94

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062818\
Data File : VU025057.D
Acq On : 29 Jun 2018 06:49
Operator : MD/SY
Sample : J3707-20MS
Misc : 6.33g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

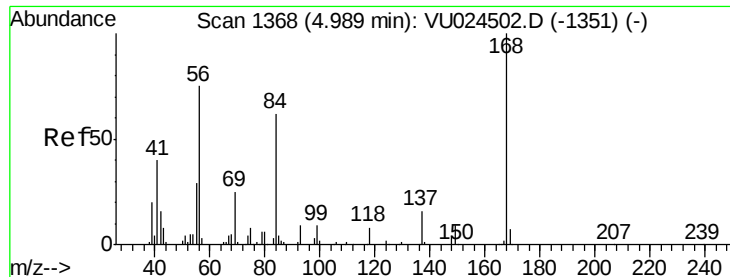
Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM

Quant Time: Jun 29 09:02:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	199295	46.53	ug/l	99
94) Hexachlorobutadiene	13.70	225	108464	44.99	ug/l	99
95) Naphthalene	13.75	128	648286	45.77	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	208234	48.79	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:168 Resp: 201037

Ion Ratio Lower Upper

168 100

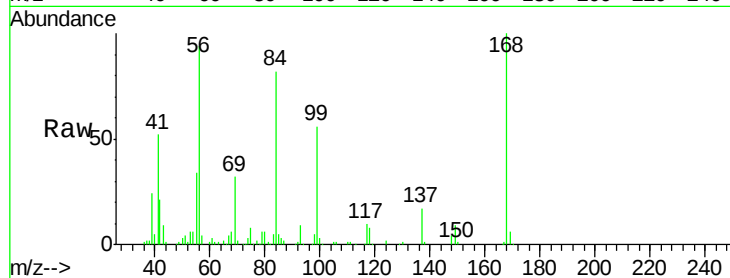
99 55.9 43.2 64.8

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

60000

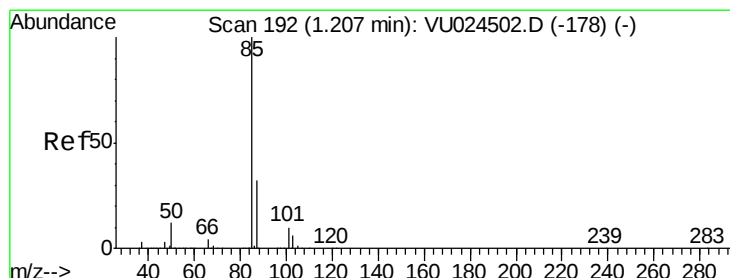
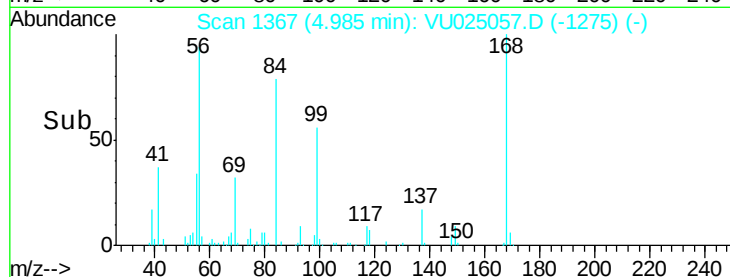
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 38.48 ug/l

RT: 1.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: VU025057.D

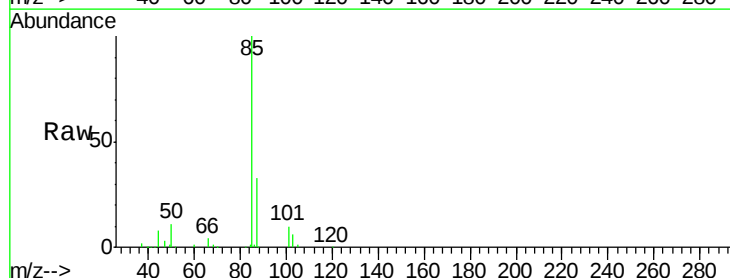
Acq: 29 Jun 2018 06:49

Tgt Ion: 85 Resp: 96820

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

1.20

80000

60000

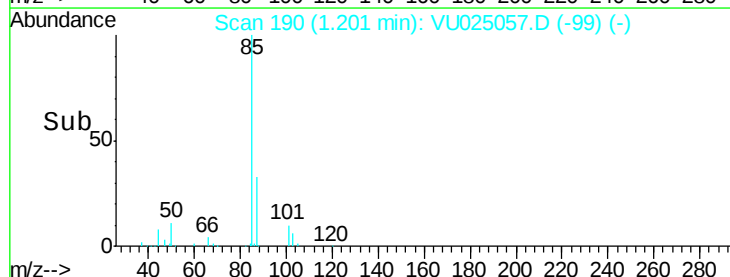
40000

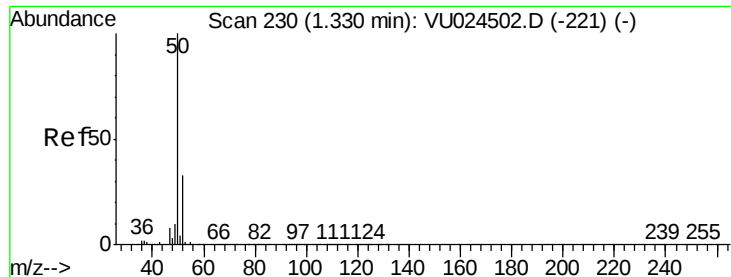
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 39.12 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 50 Resp: 100571

Ion Ratio Lower Upper

50 100

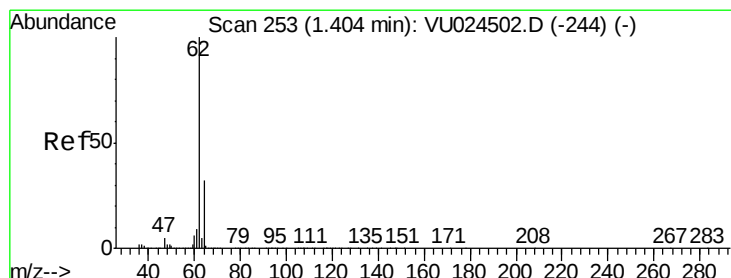
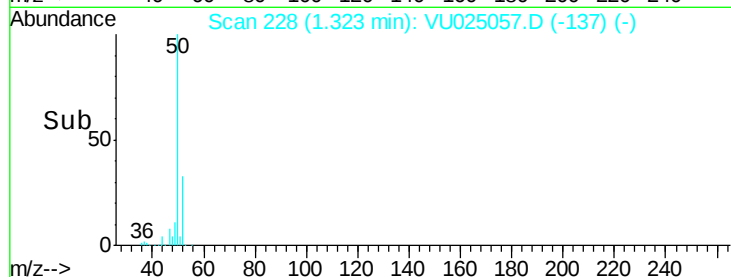
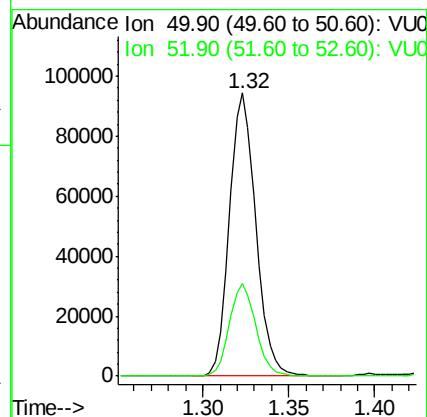
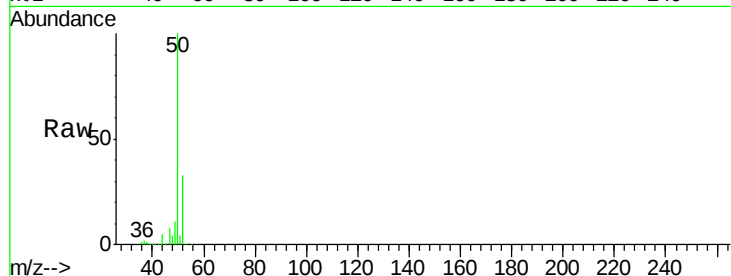
52 32.6 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



#4

Vinyl Chloride

Concen: 43.72 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025057.D

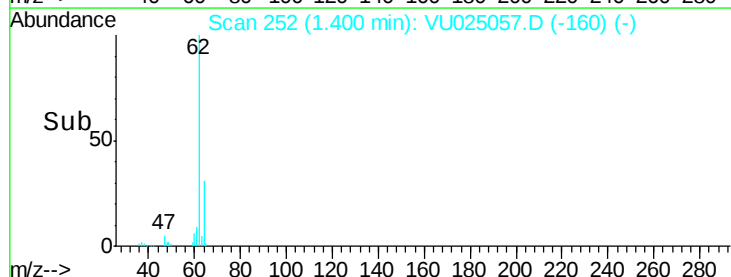
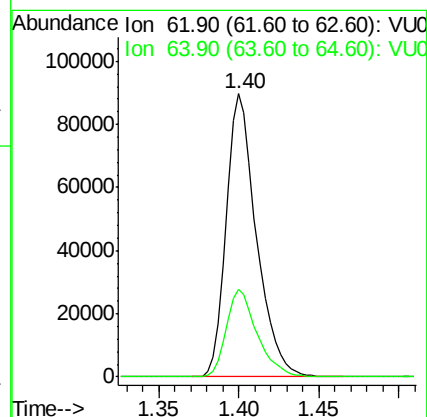
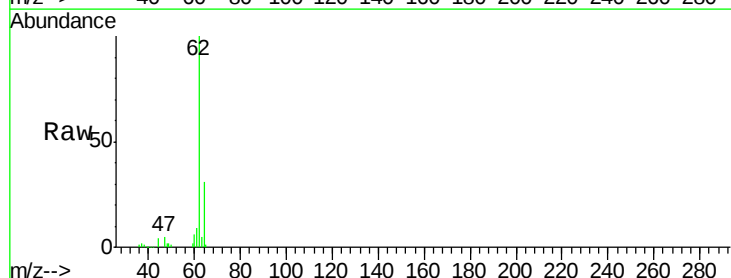
Acq: 29 Jun 2018 06:49

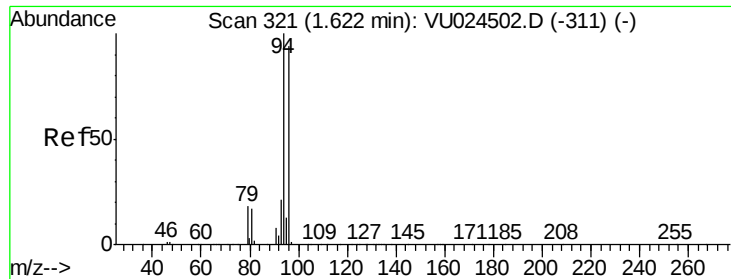
Tgt Ion: 62 Resp: 115915

Ion Ratio Lower Upper

62 100

64 30.9 24.8 37.2





#5

Bromomethane

Concen: 23.24 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 94 Resp: 29781

Ion Ratio Lower Upper

94 100

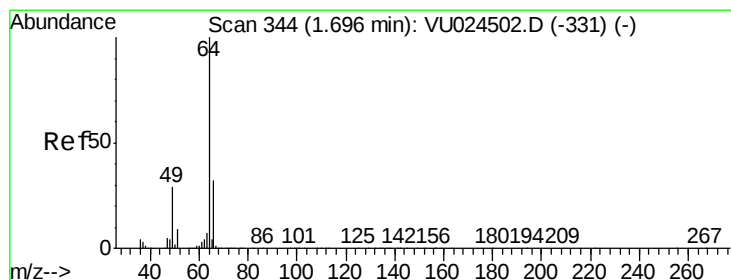
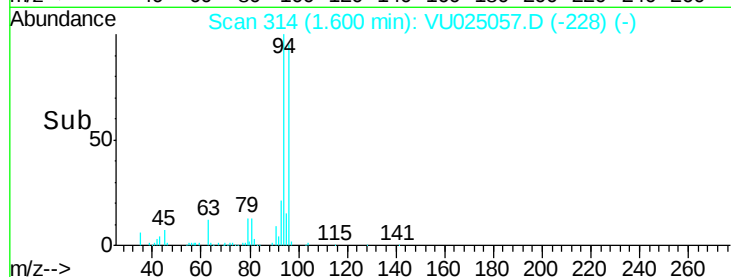
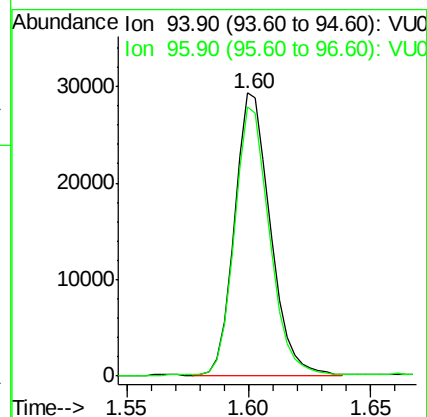
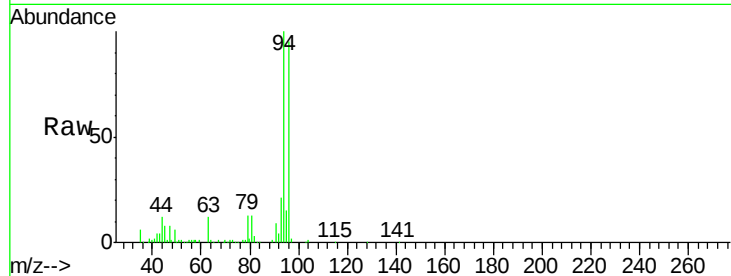
96 94.8 74.5 111.7

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



#6

Chloroethane

Concen: 28.71 ug/l

RT: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU025057.D

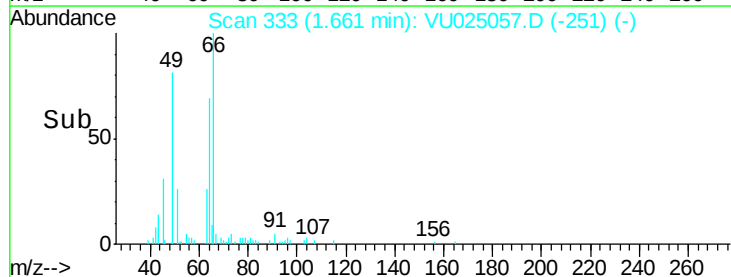
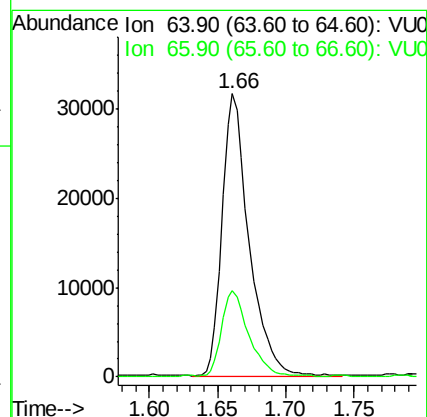
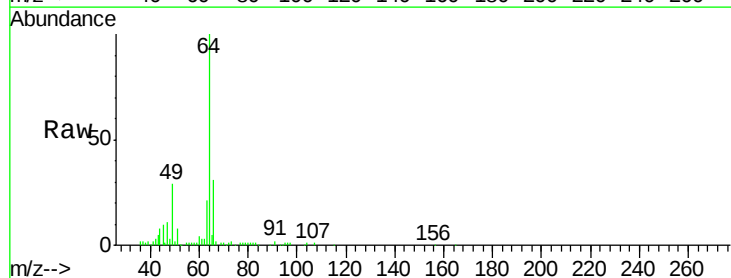
Acq: 29 Jun 2018 06:49

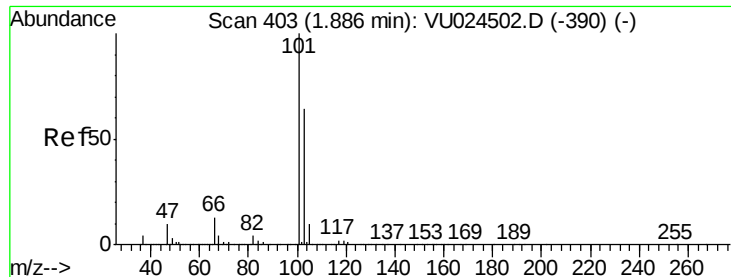
Tgt Ion: 64 Resp: 43202

Ion Ratio Lower Upper

64 100

66 30.4 25.5 38.3





#7

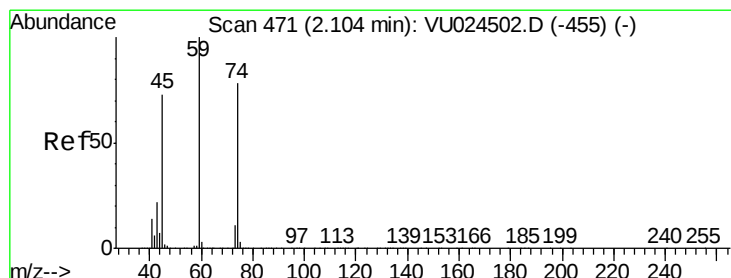
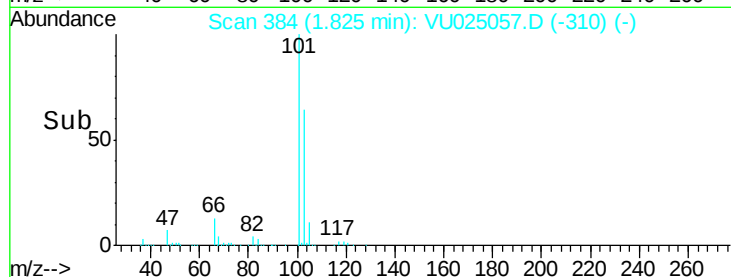
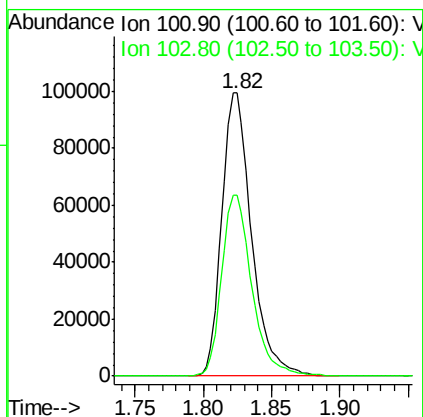
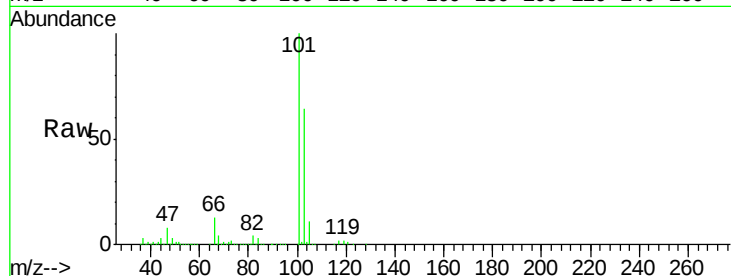
Trichlorofluoromethane
 Concen: 37.34 ug/l
 RT: 1.82 min Scan# 384
 Delta R.T. -0.06 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.3	78.5

Manual Integrations
 APPROVED

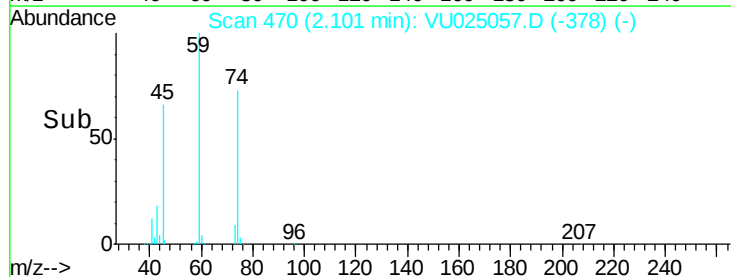
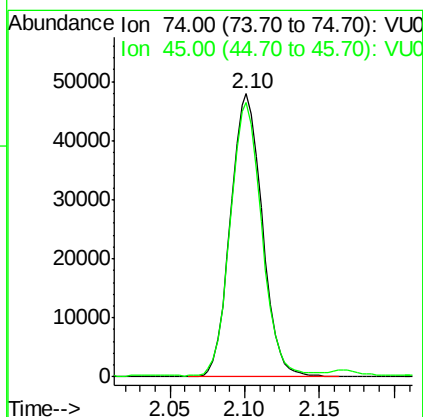
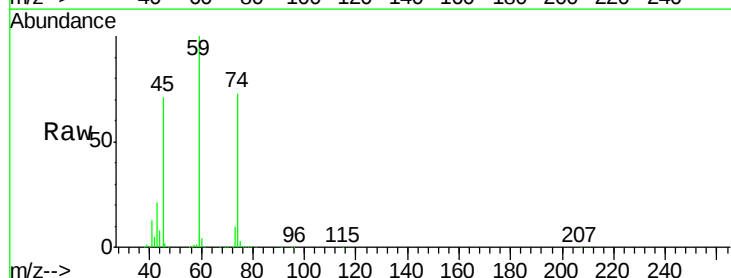
MMDadoda
 6/29/2018 4:23:48 PM

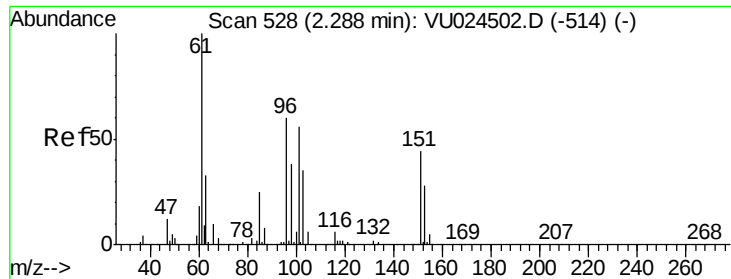


#8

Diethyl Ether
 Concen: 51.49 ug/l
 RT: 2.10 min Scan# 470
 Delta R.T. -0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	55.0	165.0





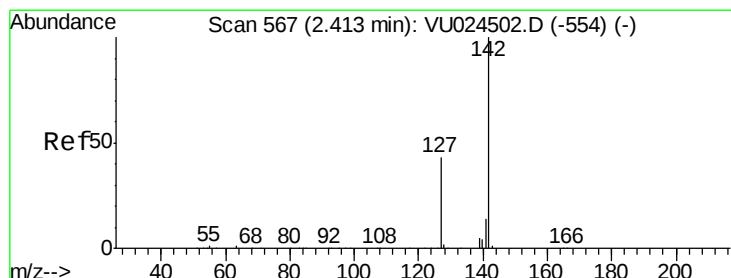
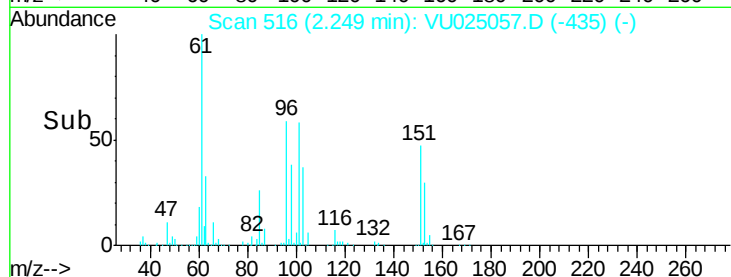
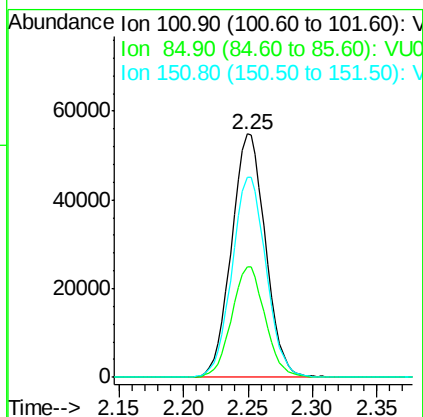
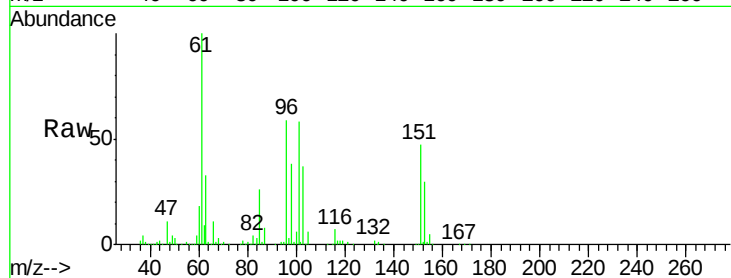
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 39.96 ug/l
 RT: 2.25 min Scan# 516
 Delta R.T. -0.04 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100297		
85	44.8	36.0	54.0	
151	82.8	62.3	93.5	

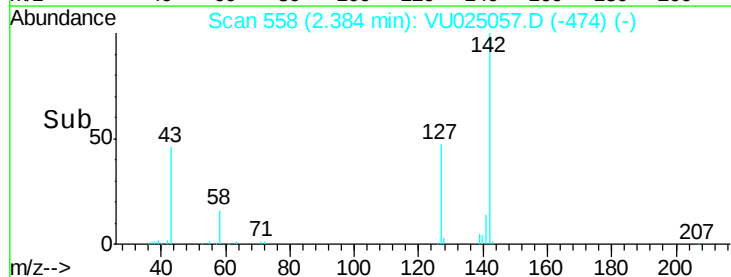
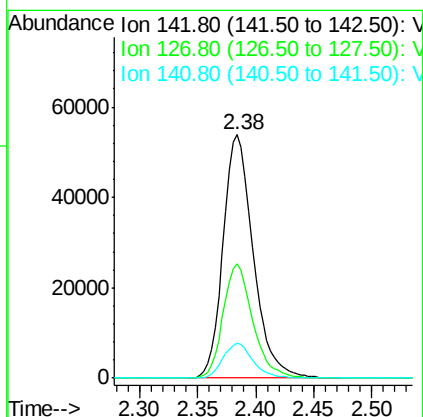
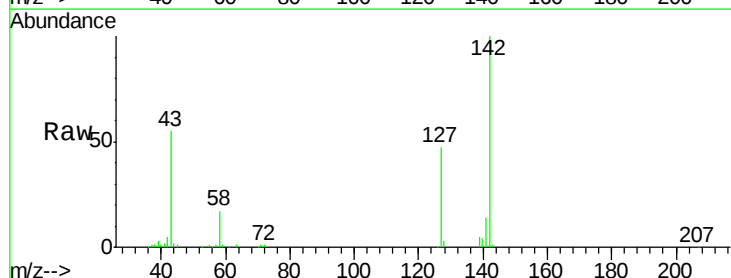
Manual Integrations
 APPROVED

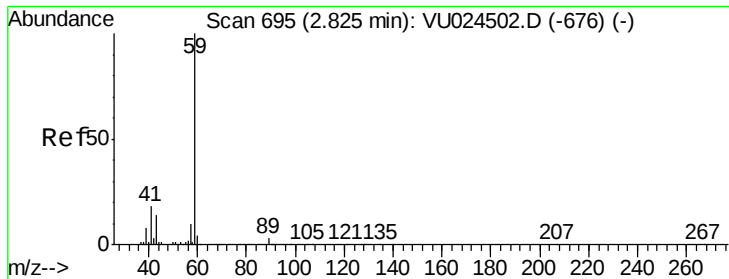
MMDadoda
 6/29/2018 4:23:48 PM



#10
 Methyl Iodide
 Concen: 46.13 ug/l
 RT: 2.38 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	97025		
127	45.9	35.6	53.4	
141	14.1	11.7	17.5	





#11

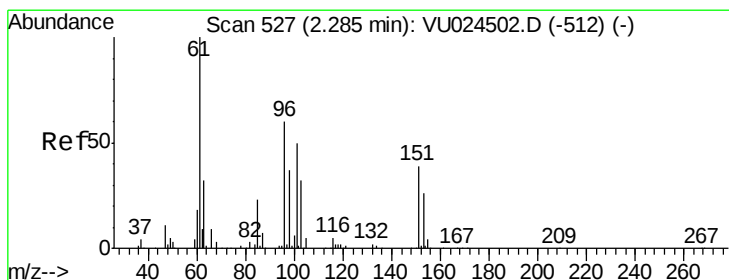
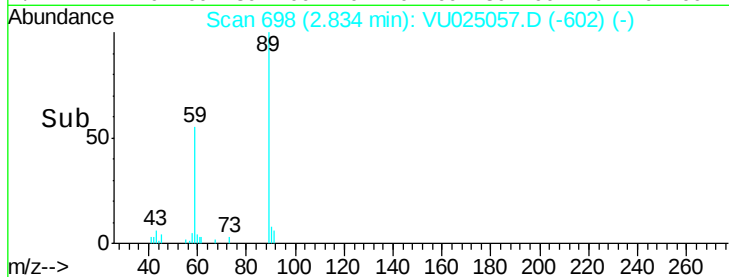
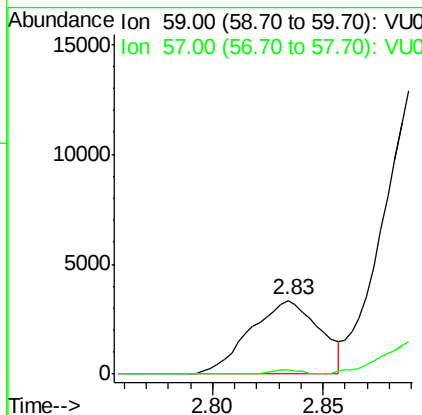
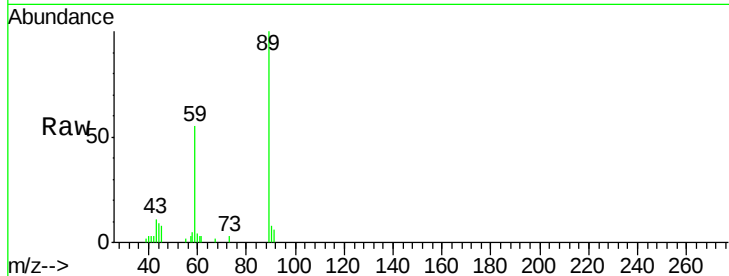
Tert butyl alcohol
Concen: 9.18 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

Manual Integrations
APPROVED

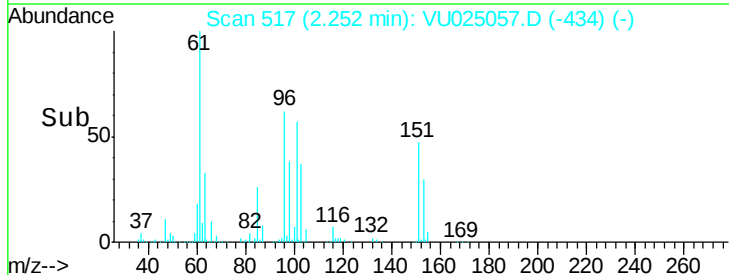
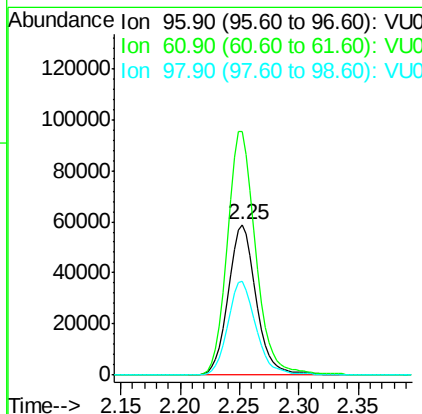
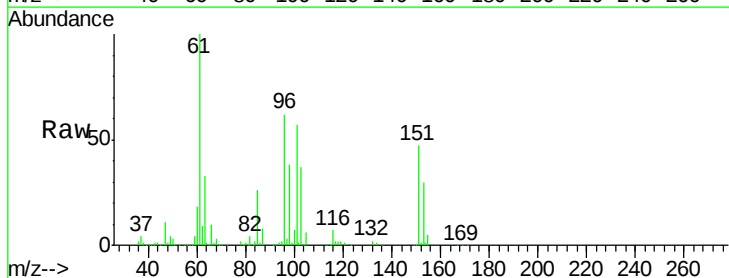
MMDadoda
6/29/2018 4:23:48 PM

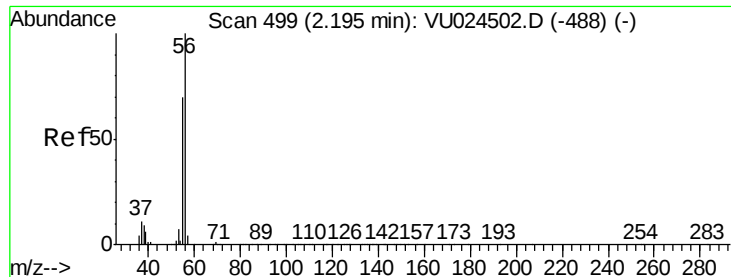


#12

1,1-Dichloroethene
Concen: 41.89 ug/l
RT: 2.25 min Scan# 517
Delta R.T. -0.03 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	141.7	212.5
98	62.0	51.6	77.4





#13

Acrolein

Concen: 83.54 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 56 Resp: 35017

Ion Ratio Lower Upper

56 100

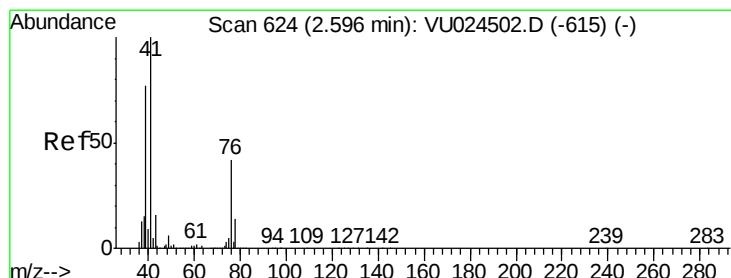
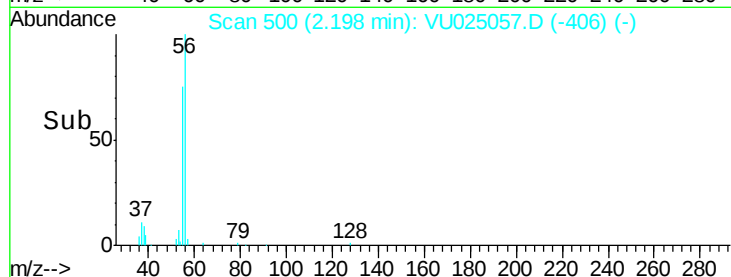
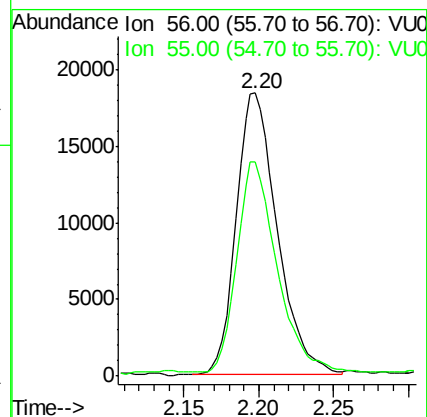
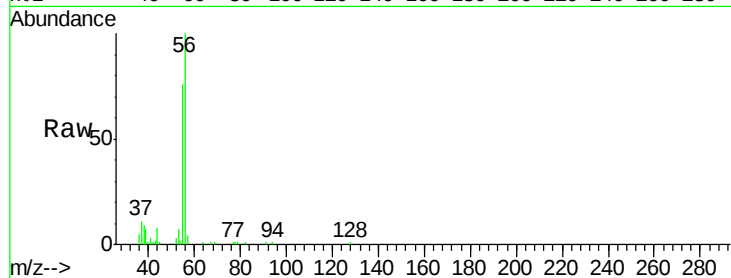
55 72.2 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



#14

Allyl chloride

Concen: 42.32 ug/l

RT: 2.57 min Scan# 617

Delta R.T. -0.02 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

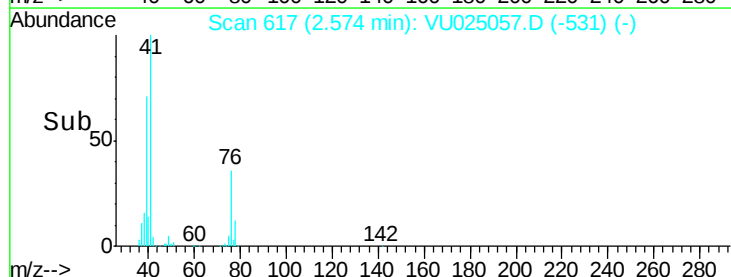
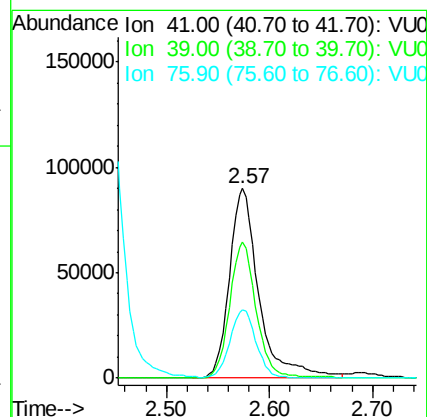
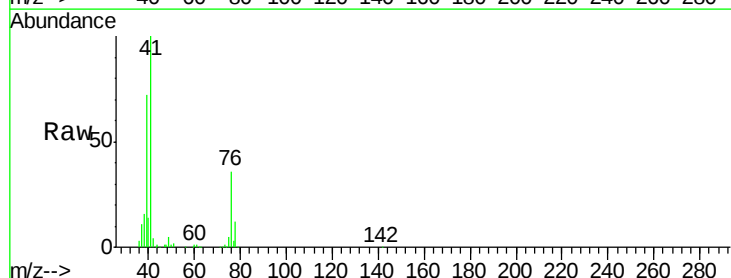
Tgt Ion: 41 Resp: 179868

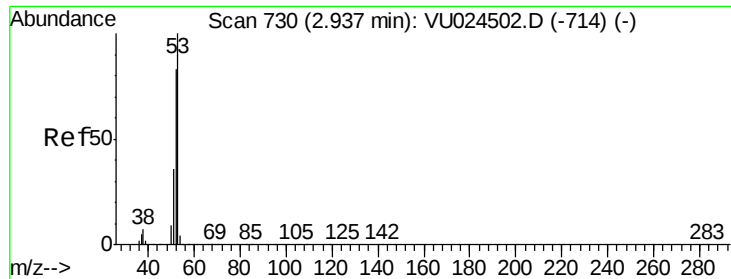
Ion Ratio Lower Upper

41 100

39 64.1 61.6 92.4

76 32.2 29.7 44.5





#15

Acrylonitrile

Concen: 241.01 ug/l

RT: 2.95 min Scan# 734

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

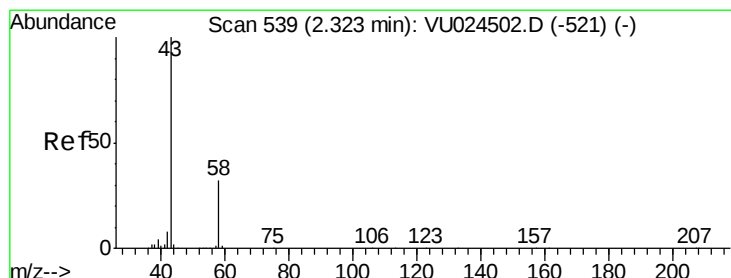
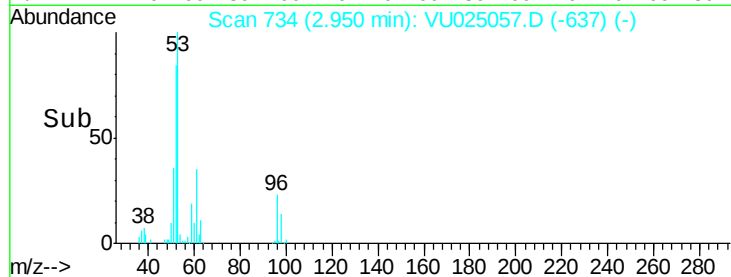
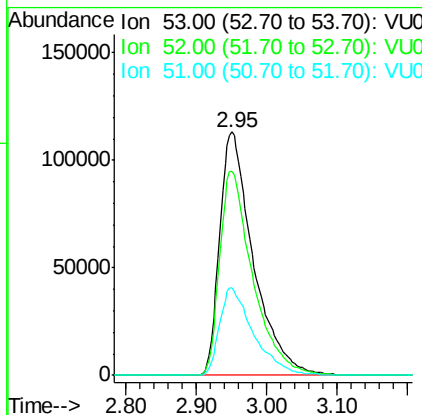
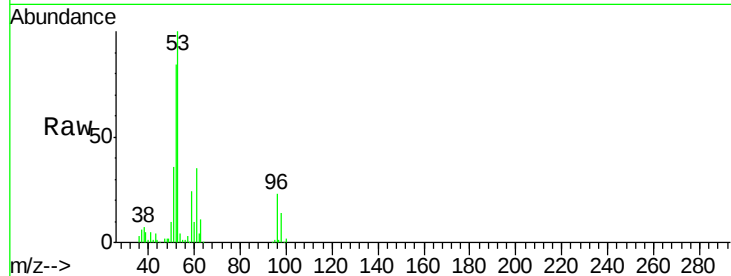
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	53	Resp:	374287
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	36.3	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#16

Acetone

Concen: 193.05 ug/l

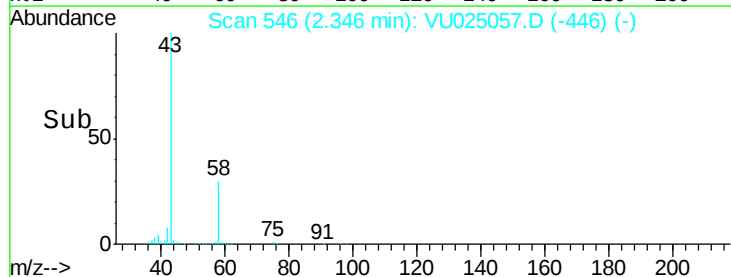
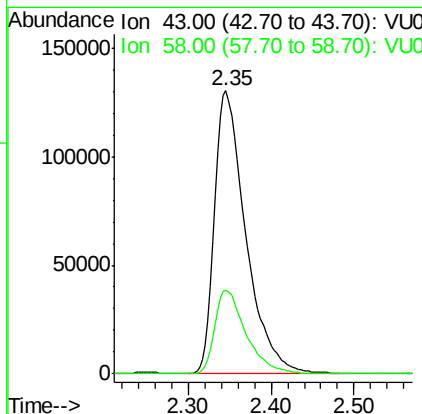
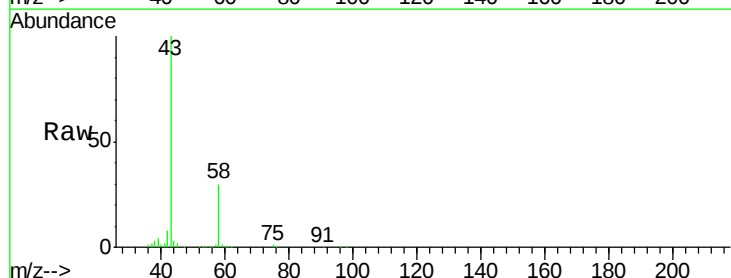
RT: 2.35 min Scan# 546

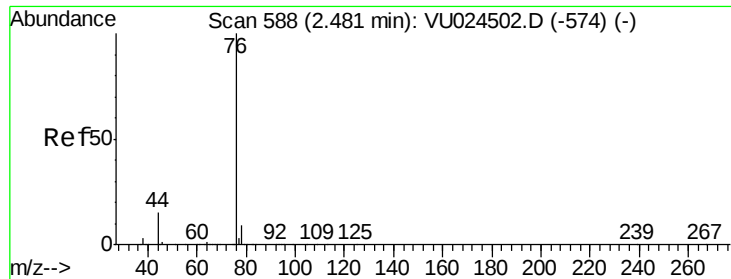
Delta R.T. 0.02 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	43	Resp:	340428
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.4	36.6





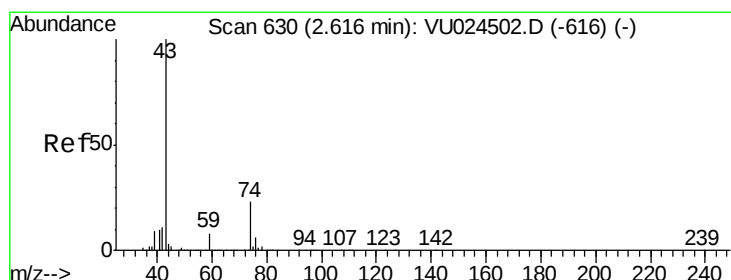
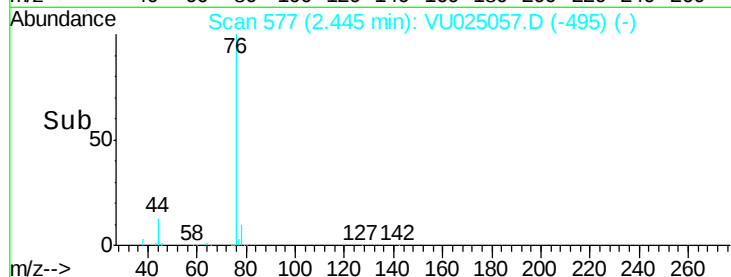
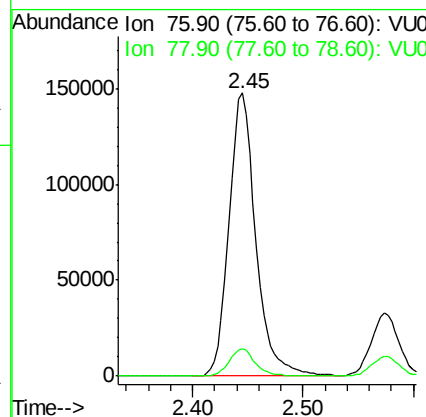
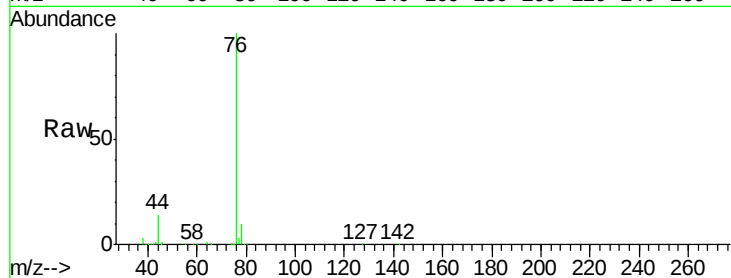
#17
Carbon Disulfide
Concen: 34.14 ug/l
RT: 2.45 min Scan# 577
Delta R.T. -0.04 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

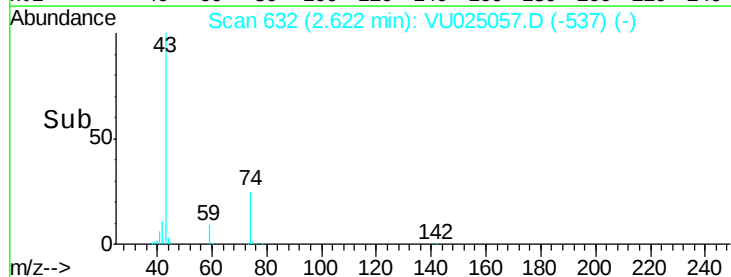
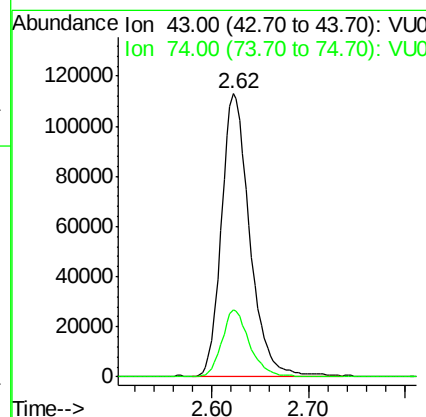
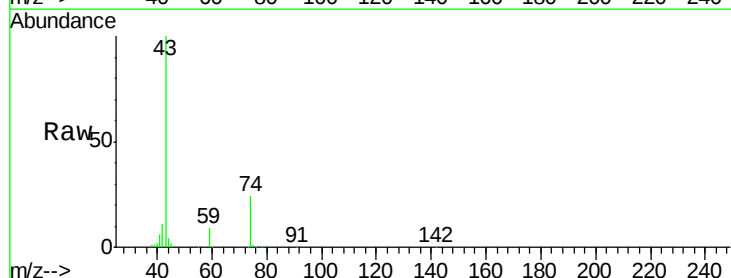
Manual Integrations
APPROVED

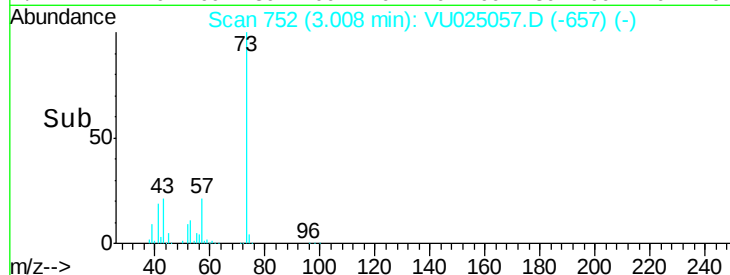
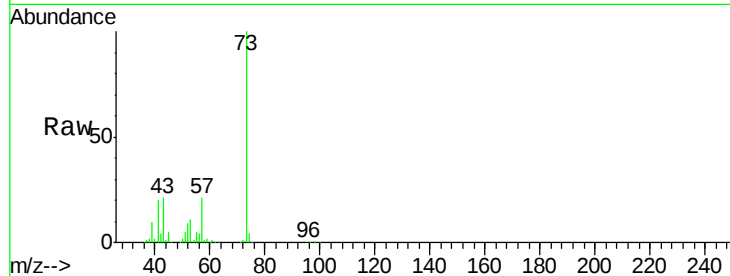
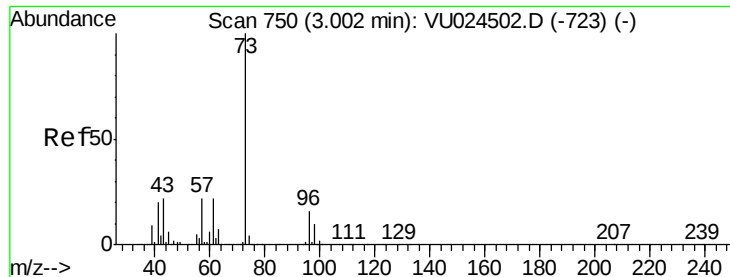
MMDadoda
6/29/2018 4:23:48 PM



#18
Methyl Acetate
Concen: 60.28 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.0	27.0





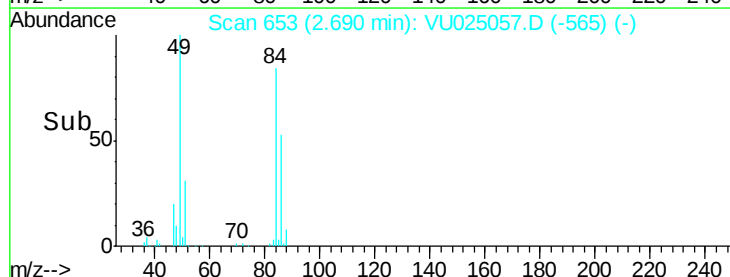
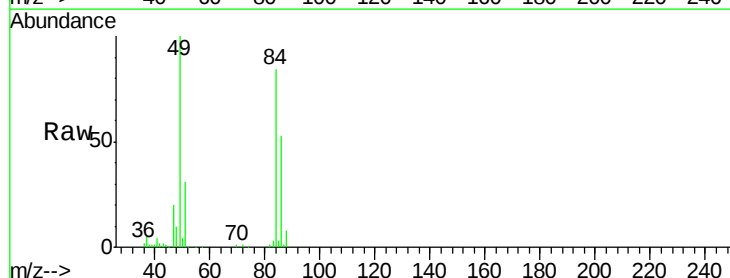
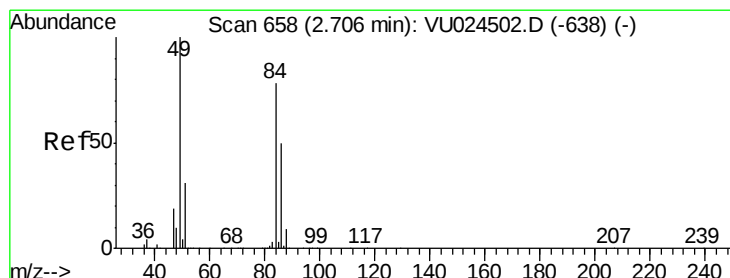
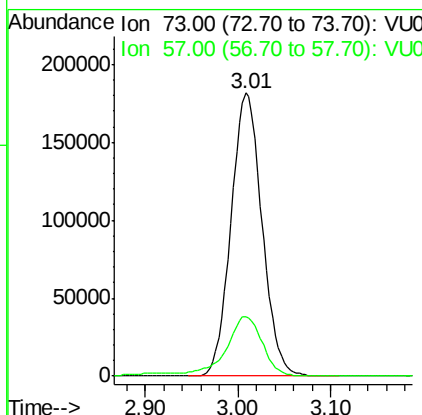
#19
Methvl tert-butvl Ether
Concen: 48.87 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.8	28.2

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

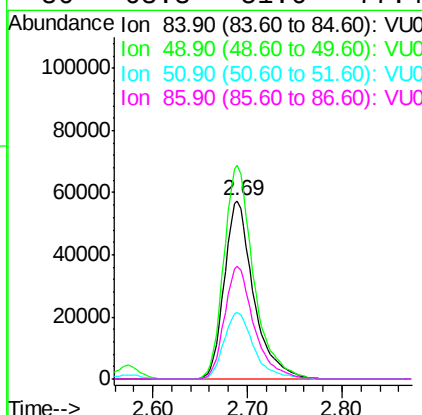
Manual Integrations
APPROVED

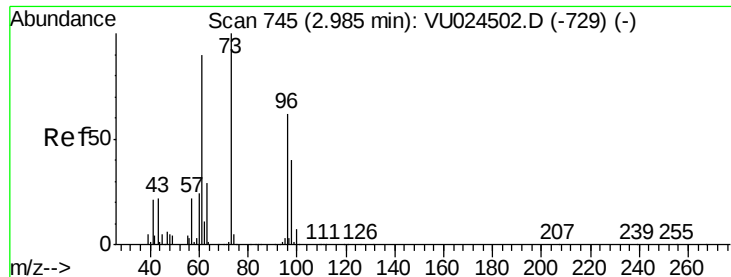
MMDadoda
6/29/2018 4:23:48 PM



#20
Methylene Chloride
Concen: 44.48 ug/l
RT: 2.69 min Scan# 653
Delta R.T. -0.02 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.7	103.8	155.8
51	37.2	32.0	48.0
86	63.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 44.76 ug/l

RT: 2.97 min Scan# 739

Delta R.T. -0.02 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

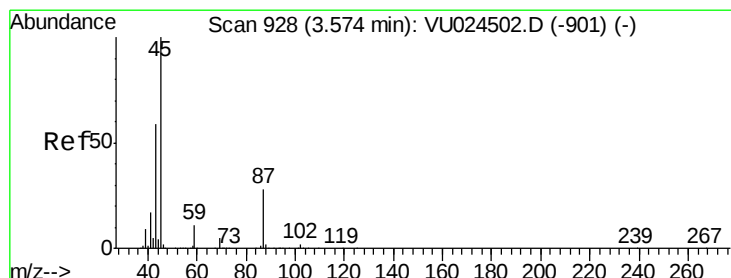
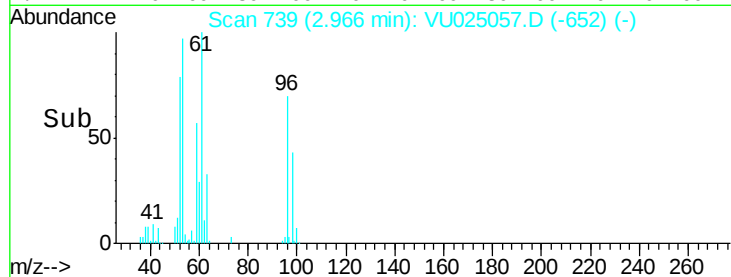
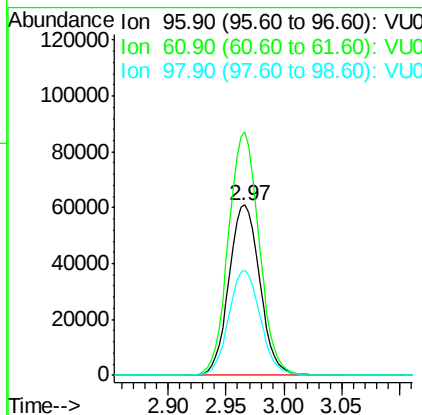
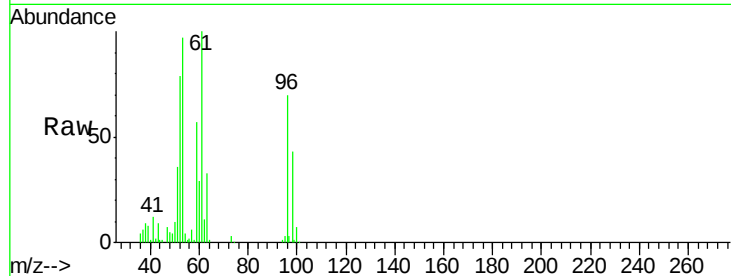
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	96	Resp:	112842
Ion Ratio	Lower	Upper	
96	100		
61	142.8	119.4	179.0
98	61.6	51.1	76.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#22

Diisopropyl ether

Concen: 47.18 ug/l

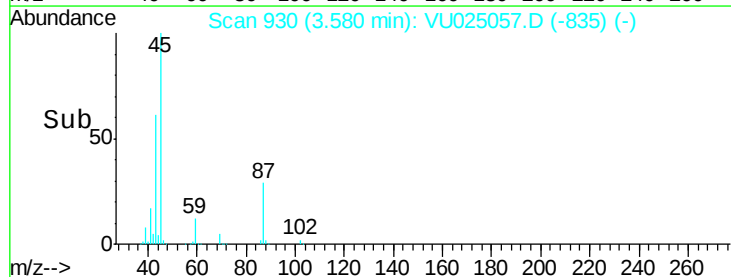
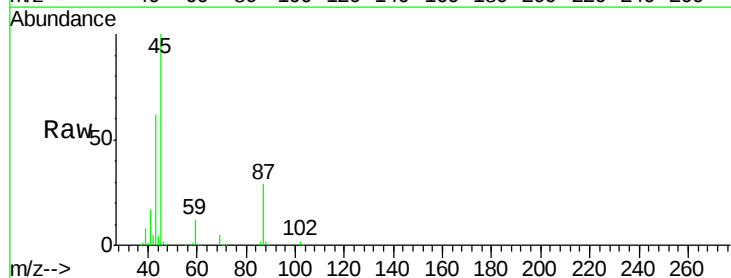
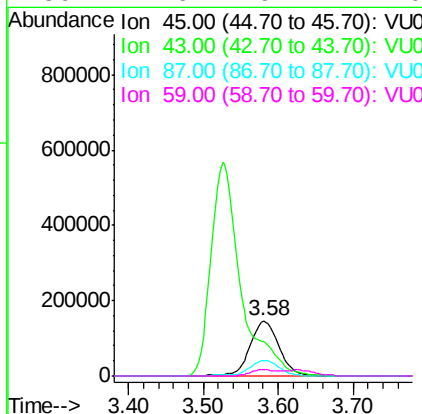
RT: 3.58 min Scan# 930

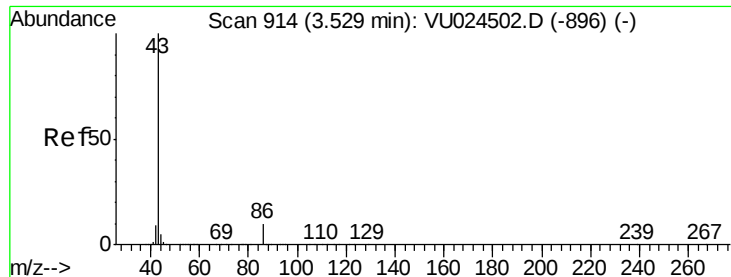
Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	45	Resp:	397507
Ion Ratio	Lower	Upper	
45	100		
43	60.9	45.8	68.6
87	28.8	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 209.62 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tot Ion: 43 Resp: 1582108

Ion Ratio Lower Upper

43 100

86 10.7 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

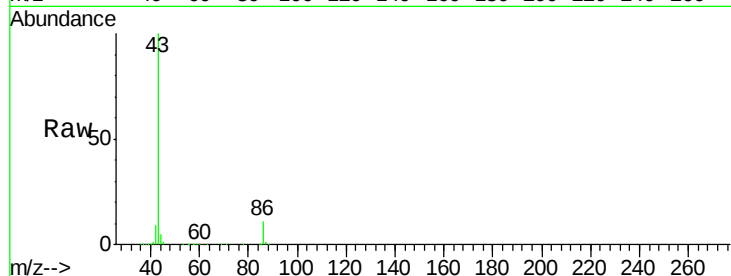
WP021SB489-21-23-180622MS

Manual Integrations

APPROVED

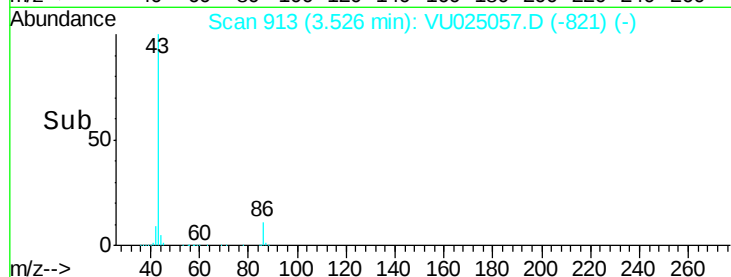
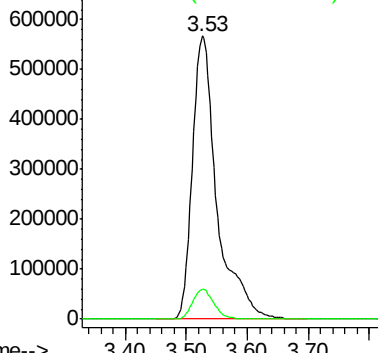
MMDadoda

6/29/2018 4:23:48 PM

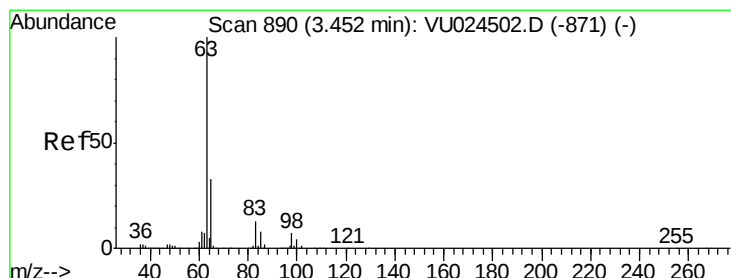


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 46.60 ug/l

RT: 3.44 min Scan# 885

Delta R.T. -0.02 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

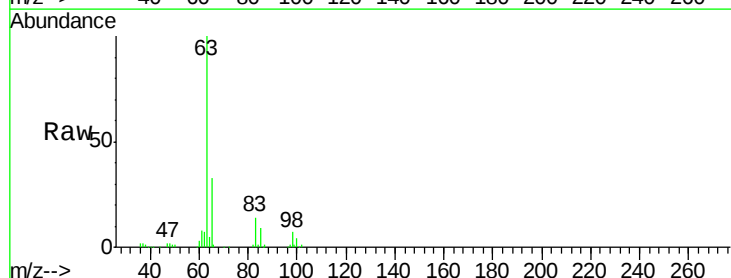
Tgt Ion: 63 Resp: 225858

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

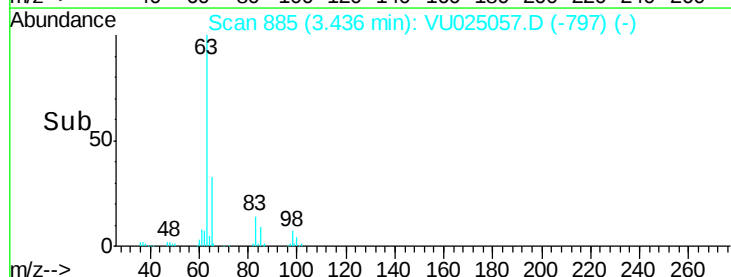
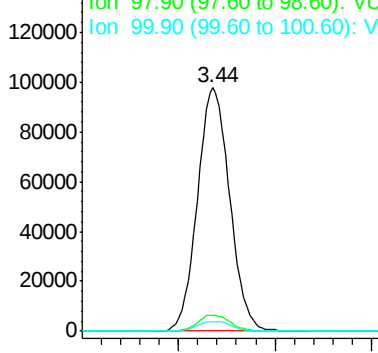
100 4.0 1.8 5.5



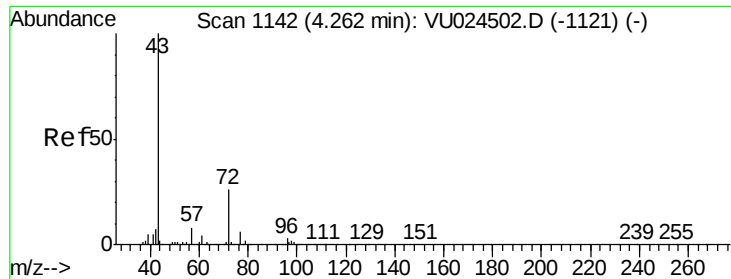
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->



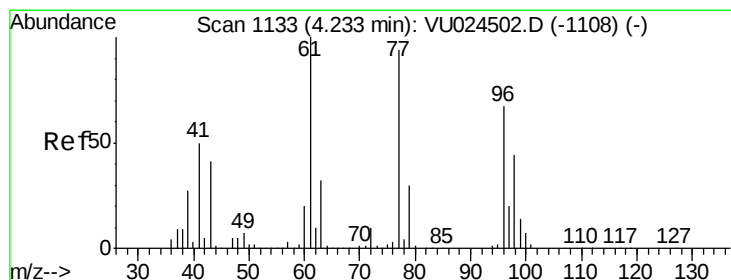
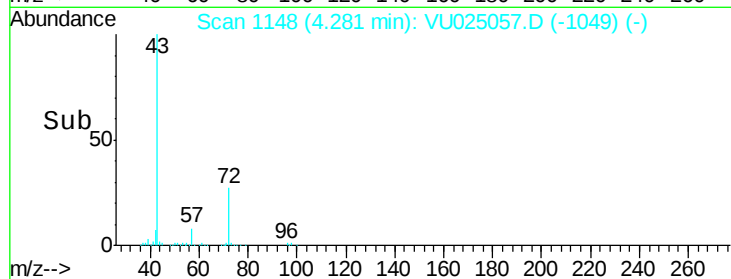
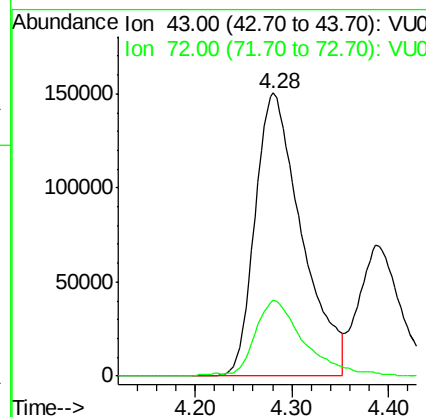
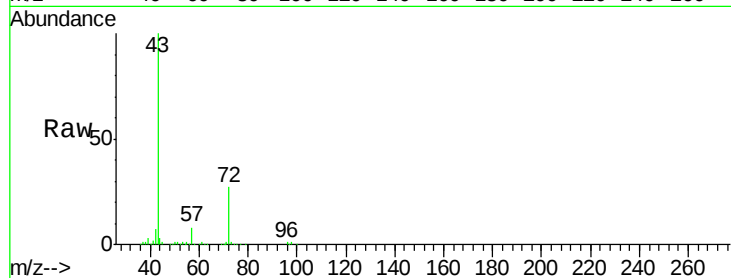
#25
2-Butanone
Concen: 211.97 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion: 43 Resp: 502079
Ion Ratio Lower Upper
43 100
72 26.4 19.6 29.4

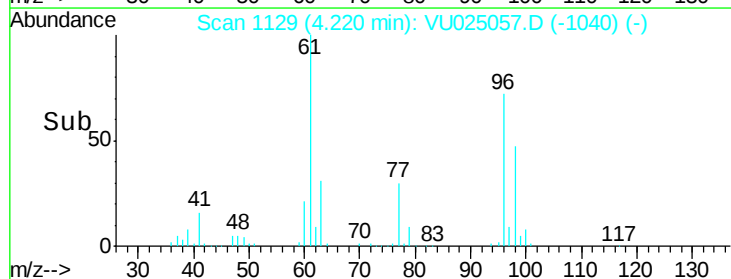
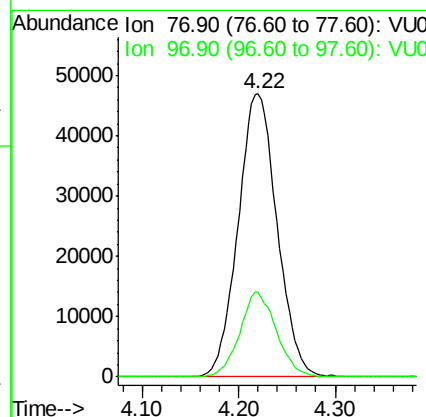
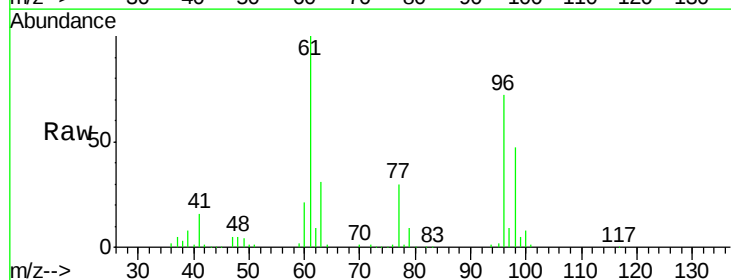
Manual Integrations
APPROVED

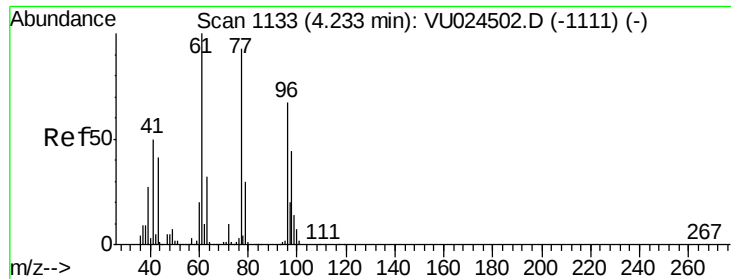
MMDadoda
6/29/2018 4:23:48 PM



#26
2,2-Dichloropropane
Concen: 28.52 ug/l
RT: 4.22 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion: 77 Resp: 131271
Ion Ratio Lower Upper
77 100
97 28.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 102.08 ug/l

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

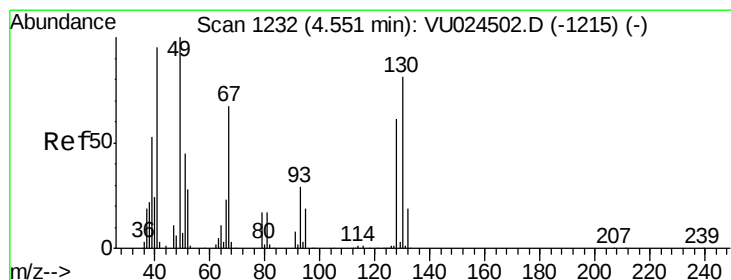
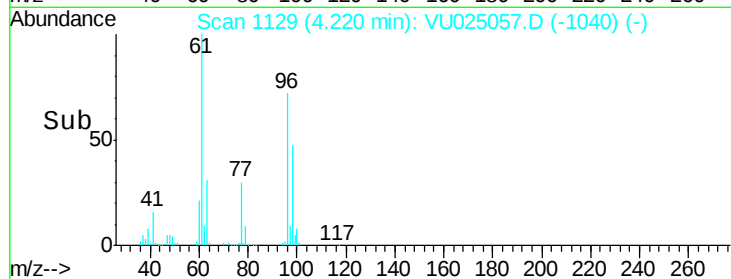
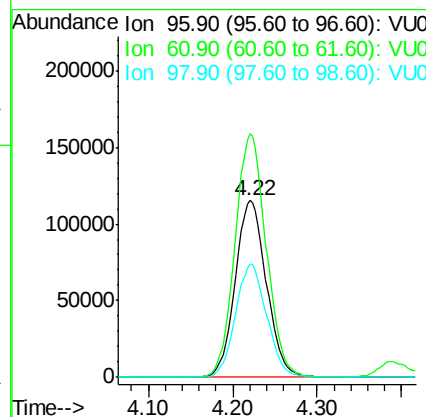
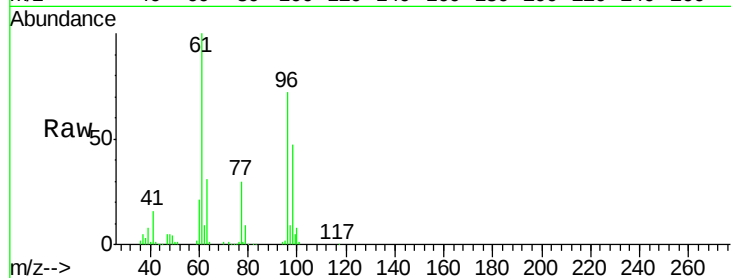
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		295870		
61	138.1	0.0	306.6		
98	64.3	0.0	128.8		

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#28

Bromochloromethane

Concen: 41.69 ug/l

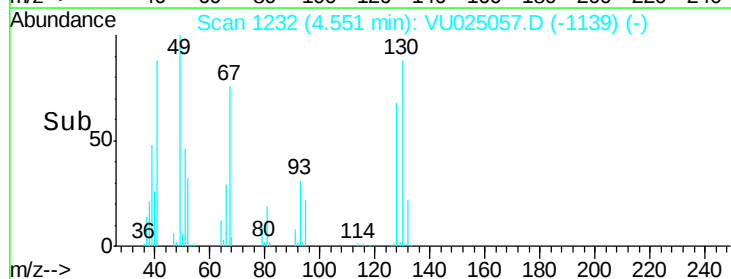
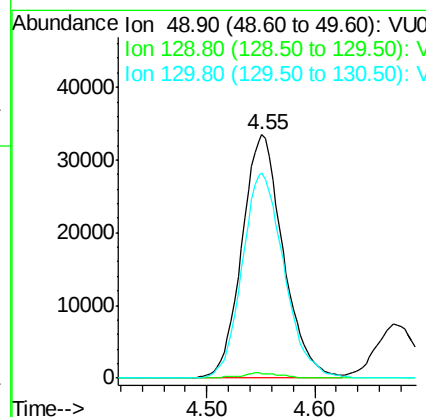
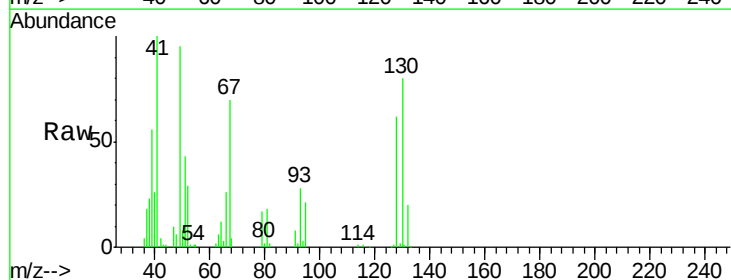
RT: 4.55 min Scan# 1232

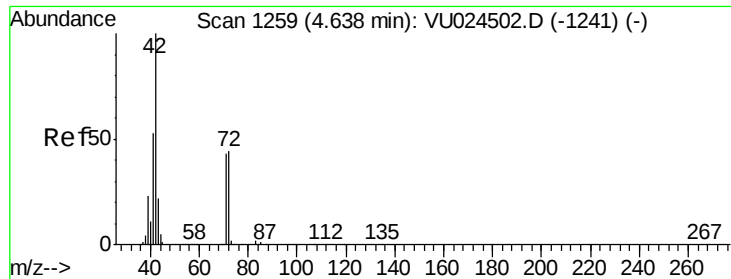
Delta R.T. -0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		89015		
129	2.0	0.0	3.8		
130	85.3	57.8	86.6		





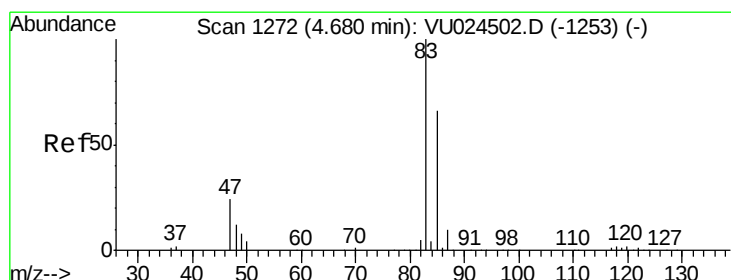
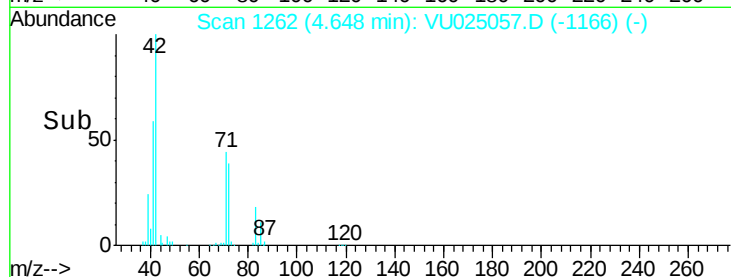
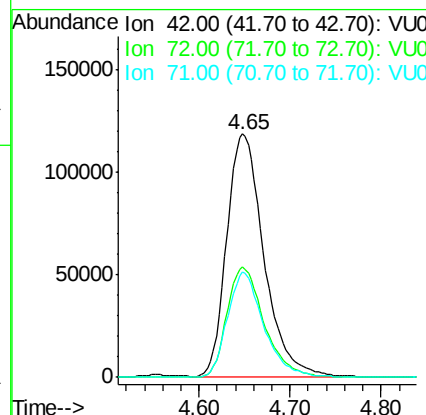
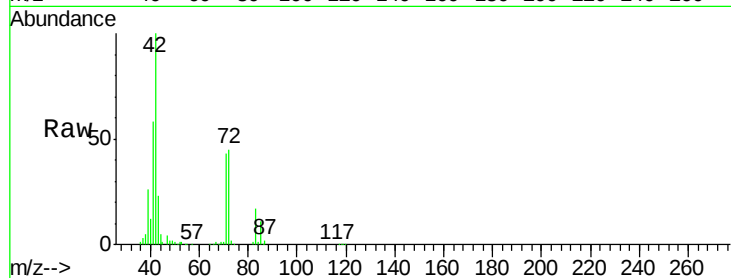
#29
Tetrahydrofuran
Concen: 228.16 ug/l
RT: 4.65 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	34.5	51.7
71	42.7	32.2	48.4

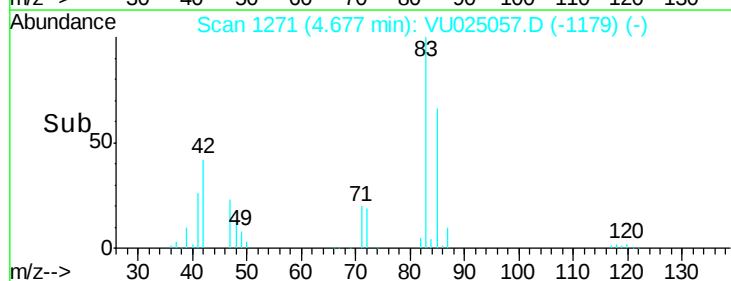
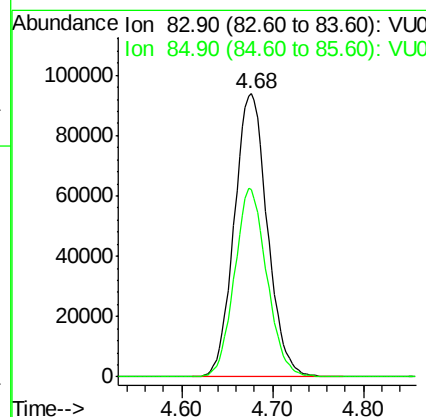
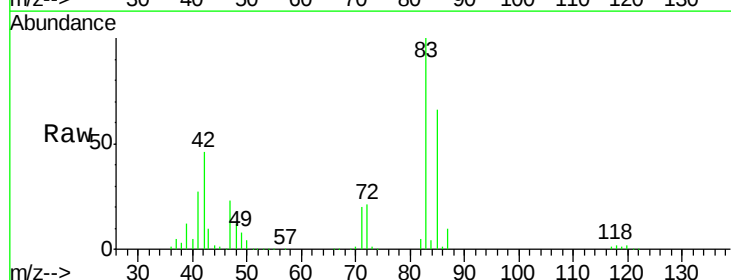
Manual Integrations
APPROVED

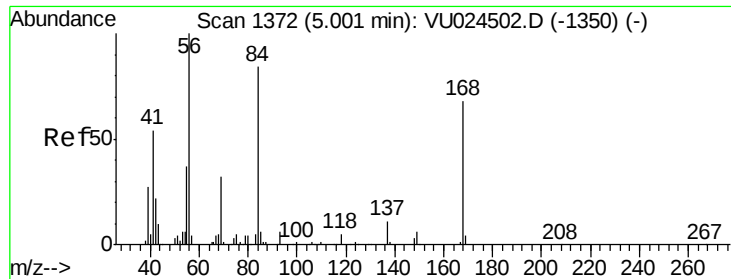
MMDadoda
6/29/2018 4:23:48 PM



#30
Chloroform
Concen: 48.38 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.4	78.6





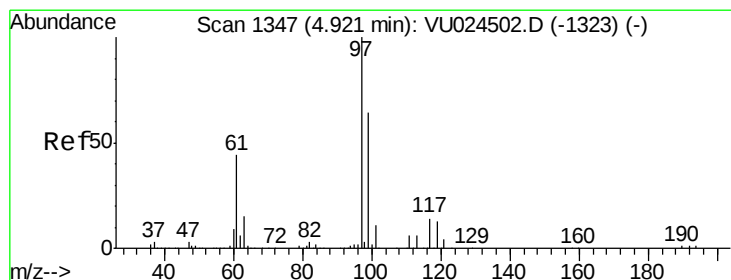
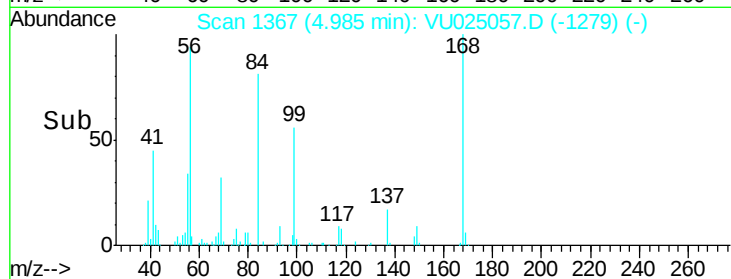
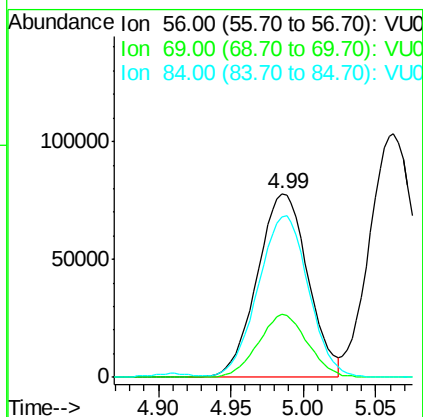
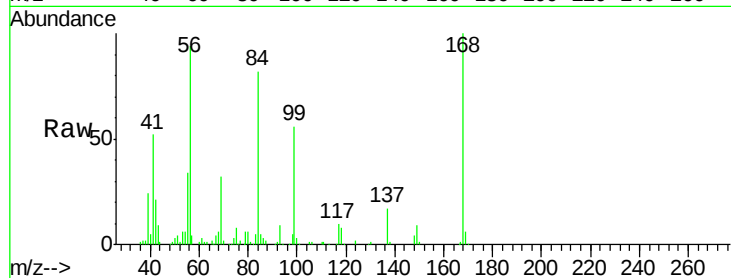
#31
Cyclohexane
Concen: 43.85 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	24.8	37.2
84	86.2	65.2	97.8

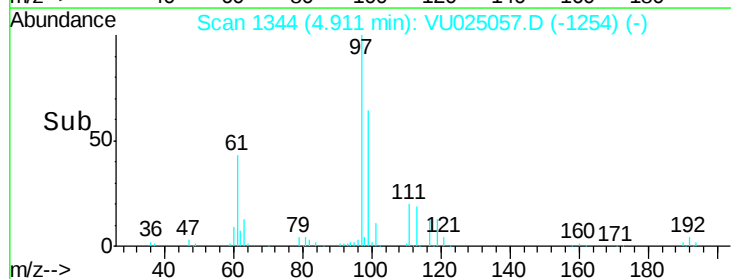
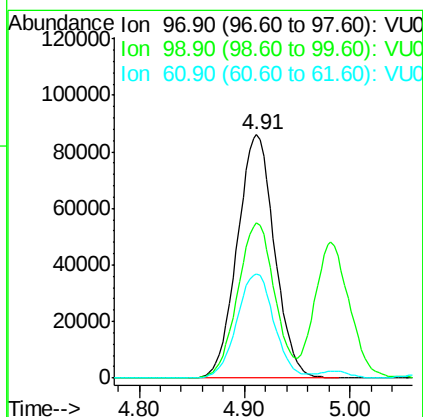
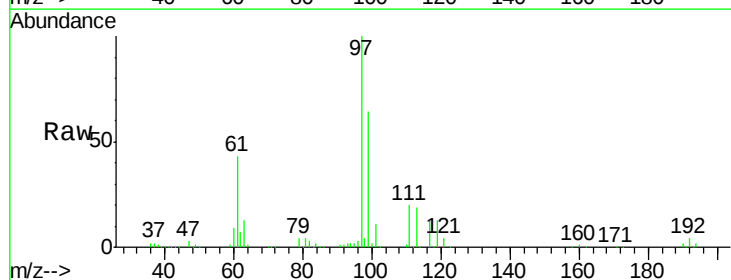
Manual Integrations
APPROVED

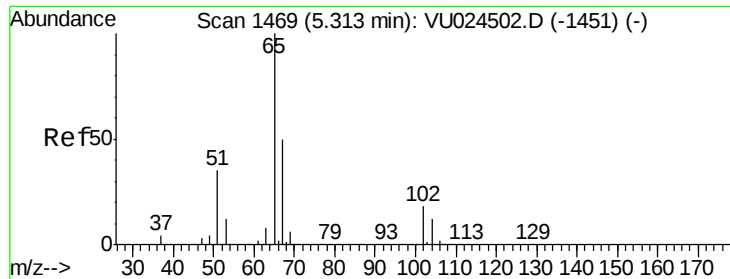
MMDadoda
6/29/2018 4:23:48 PM



#32
1,1,1-Trichloroethane
Concen: 46.51 ug/l
RT: 4.91 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	43.1	39.4	59.0





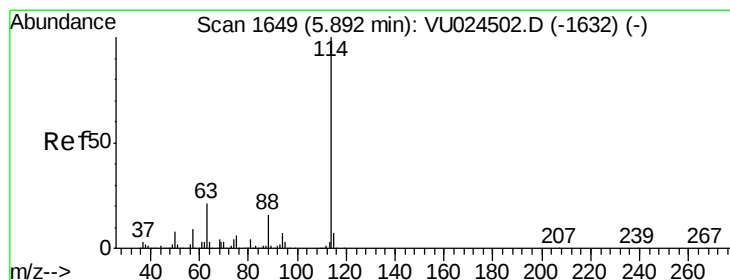
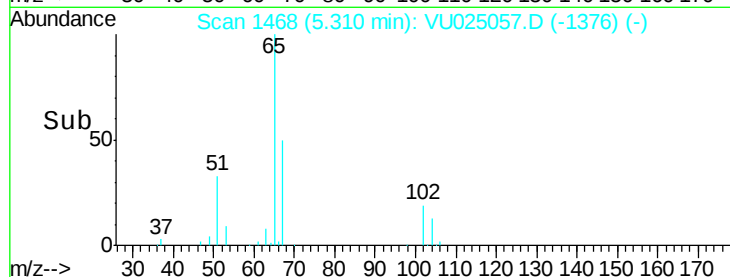
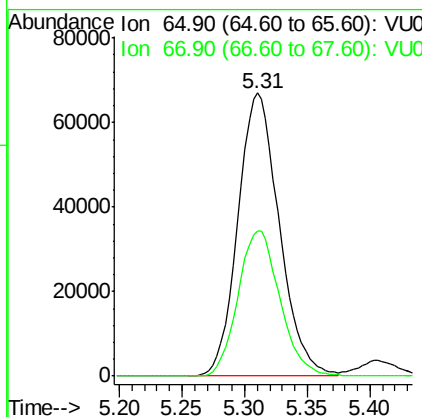
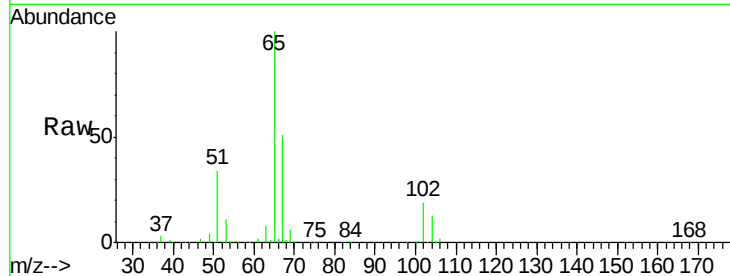
#33
 1,2-Dichloroethane-d4
 Concen: 46.83 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153707		
67	52.0	0.0	107.0	

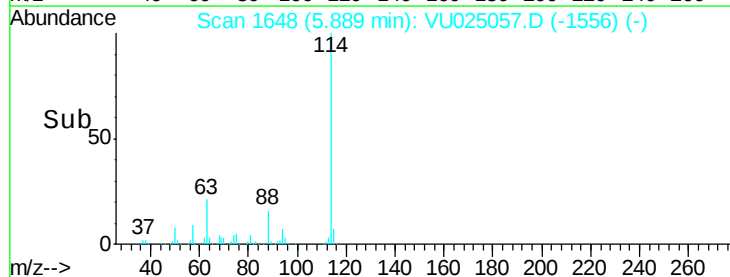
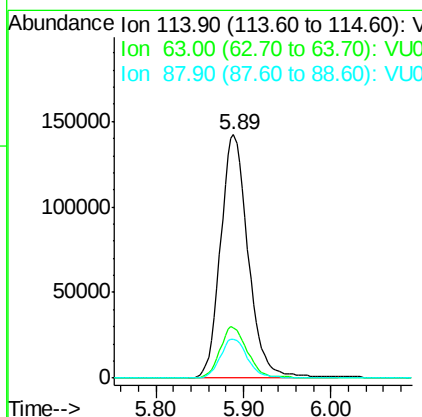
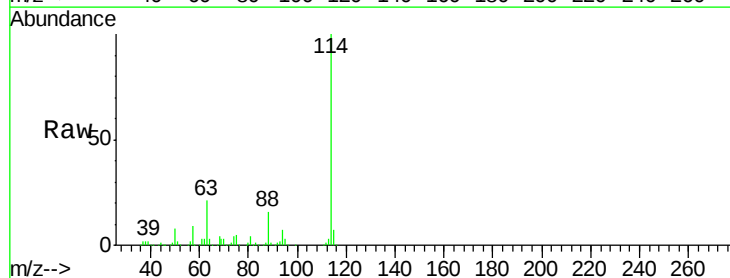
Manual Integrations
 APPROVED

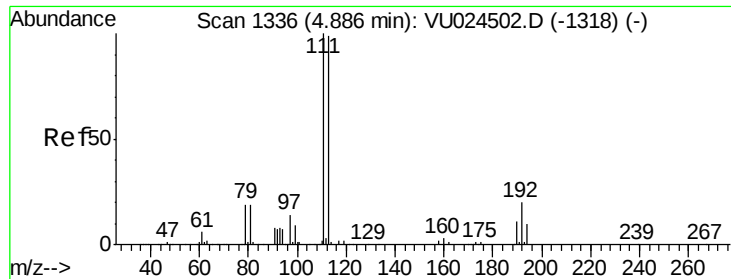
MMDadoda
 6/29/2018 4:23:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	312671		
63	20.8	0.0	45.4	
88	15.9	0.0	31.0	





#35

Dibromofluoromethane

Concen: 48.31 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

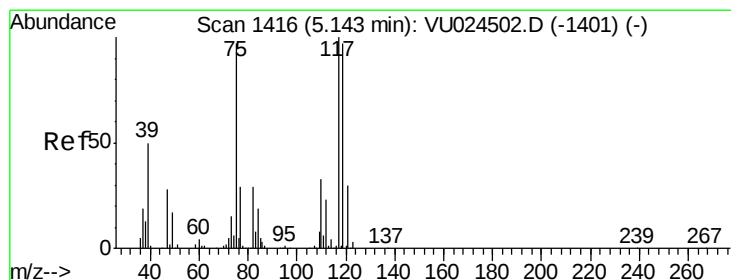
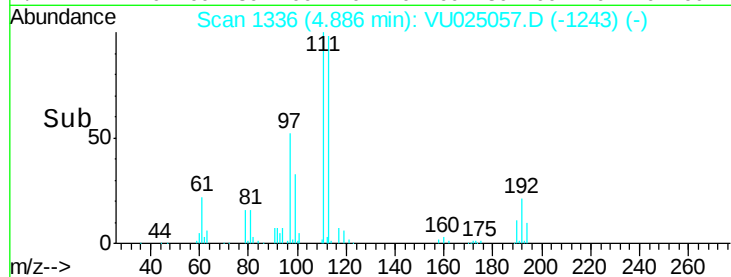
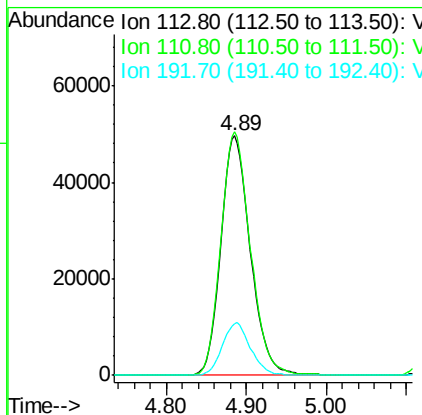
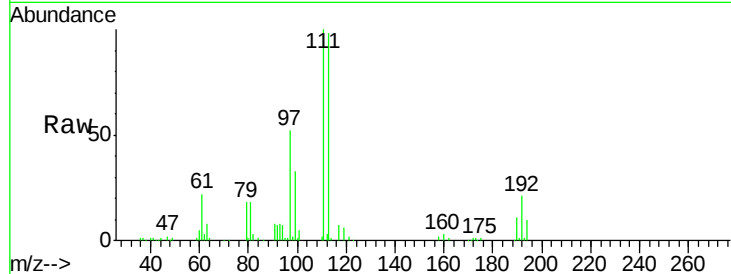
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	113	Resp:	125357
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.2	123.4
192	20.9	16.2	24.4

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#36

1,1-Dichloropropene

Concen: 43.88 ug/l

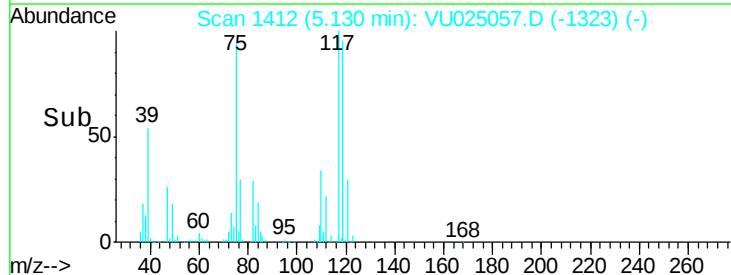
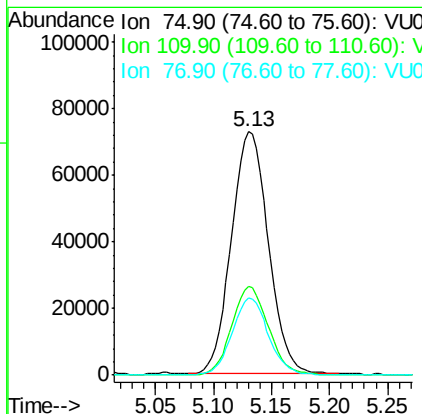
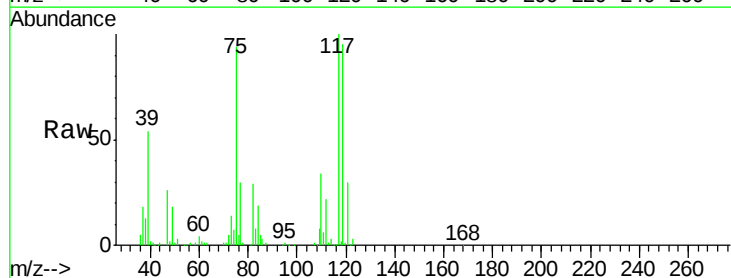
RT: 5.13 min Scan# 1412

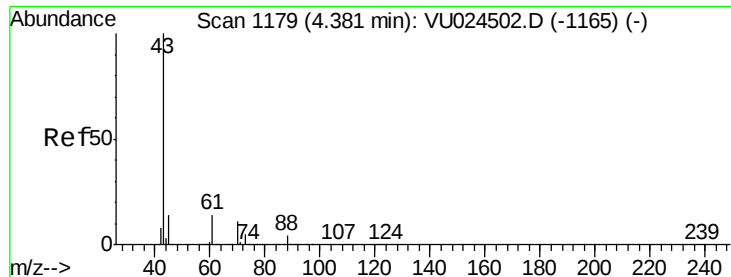
Delta R.T. -0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	75	Resp:	161216
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.0	50.9
77	30.6	24.2	36.4





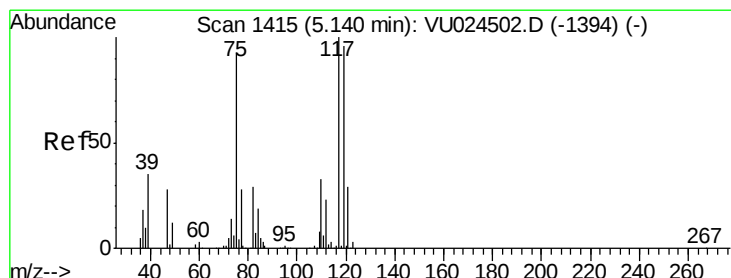
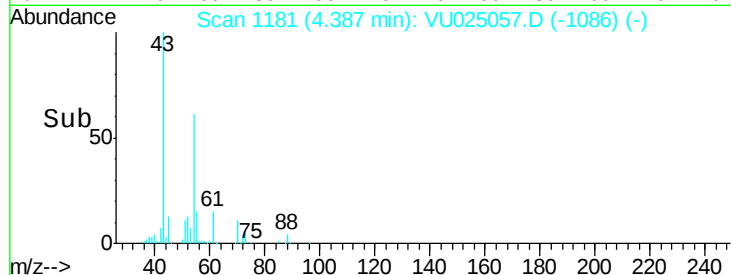
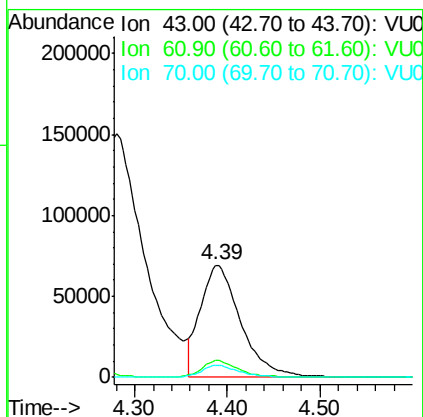
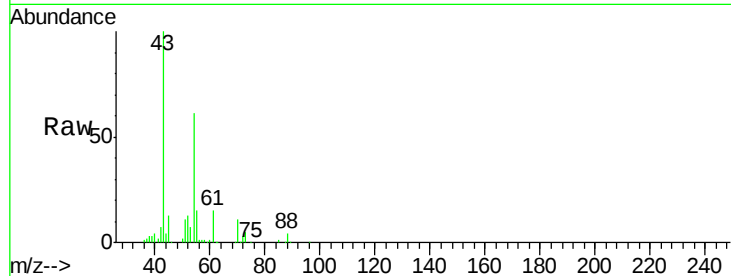
#37
Ethyl Acetate
Concen: 51.38 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.3	7.4	11.2

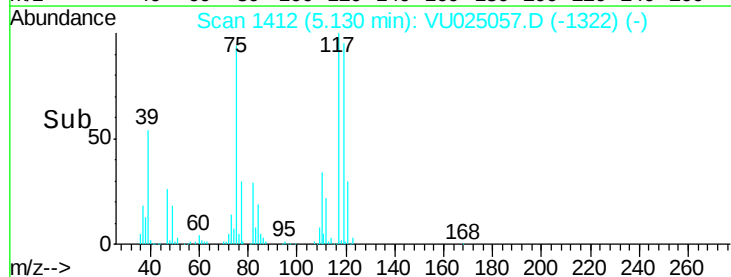
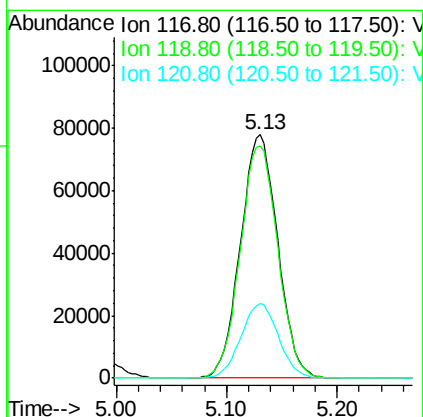
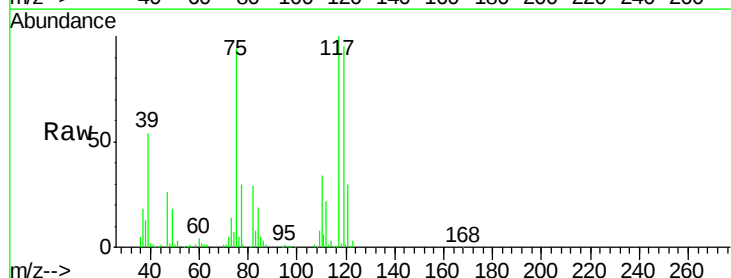
Manual Integrations
APPROVED

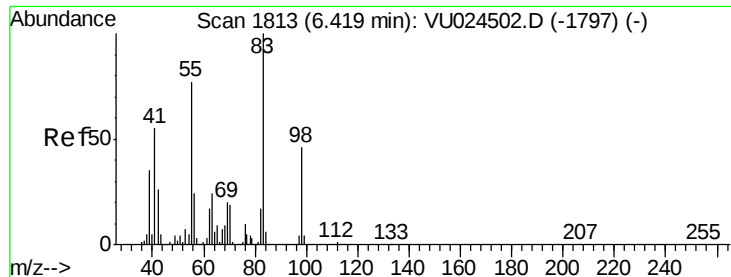
MMDadoda
6/29/2018 4:23:48 PM



#38
Carbon Tetrachloride
Concen: 45.21 ug/l
RT: 5.13 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.1	114.1
121	30.5	23.7	35.5





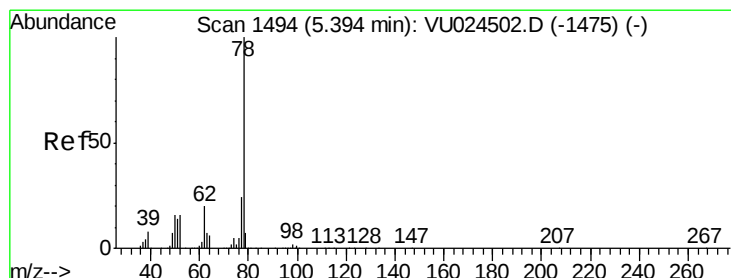
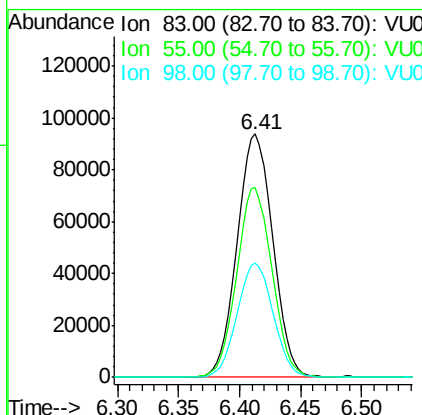
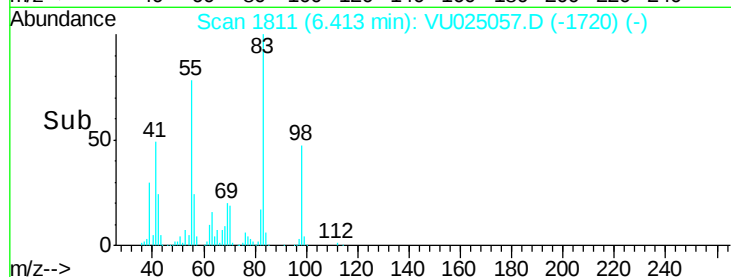
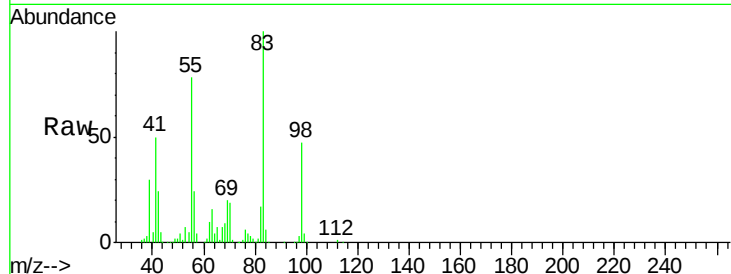
#39
Methvlcvclohexane
Concen: 41.57 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.8	98.6
98	46.8	36.7	55.1

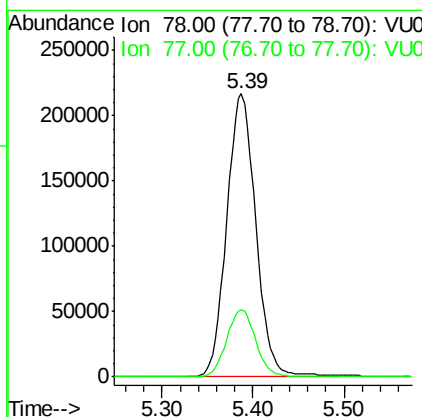
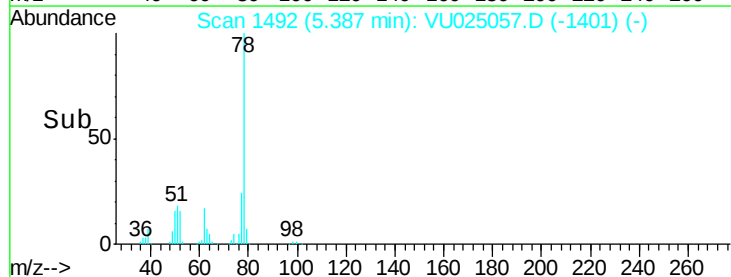
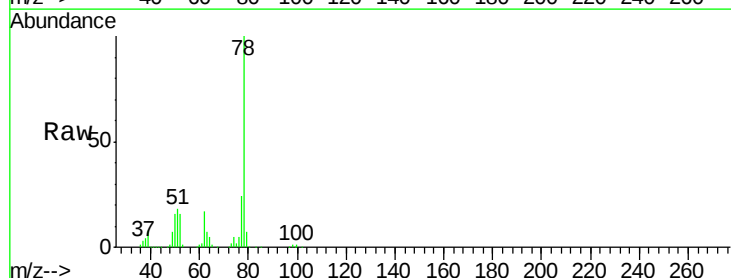
Manual Integrations
APPROVED

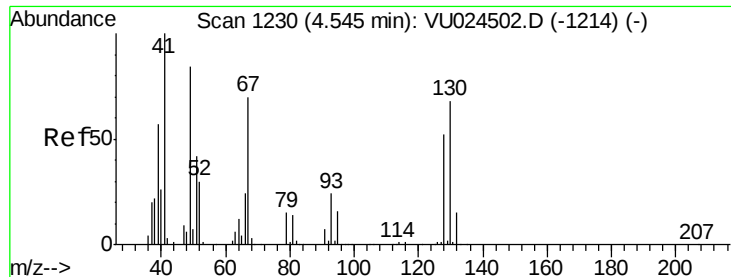
MMDadoda
6/29/2018 4:23:48 PM



#40
Benzene
Concen: 46.11 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8





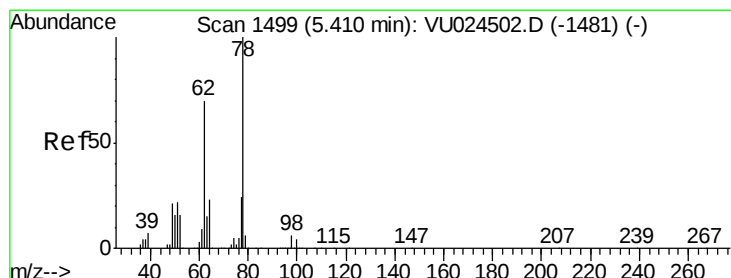
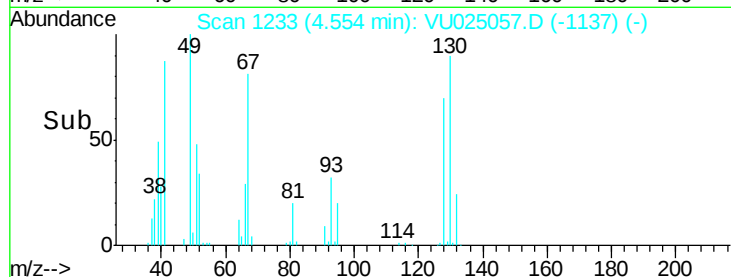
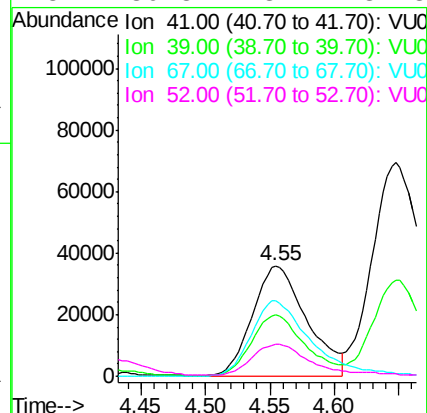
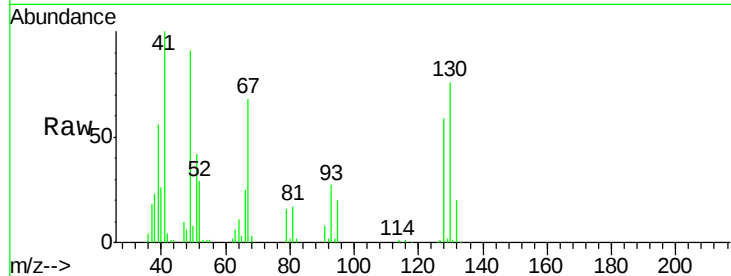
#41
Methacrylonitrile
Concen: 48.32 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	54.5	43.8	65.6		
67	76.2	56.3	84.5		
52	30.8	23.2	34.8		

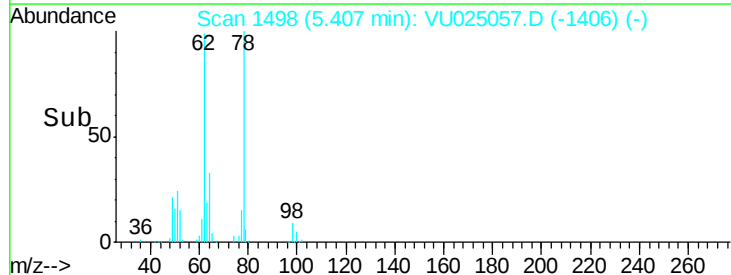
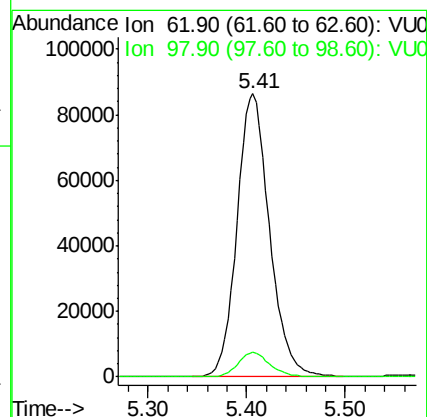
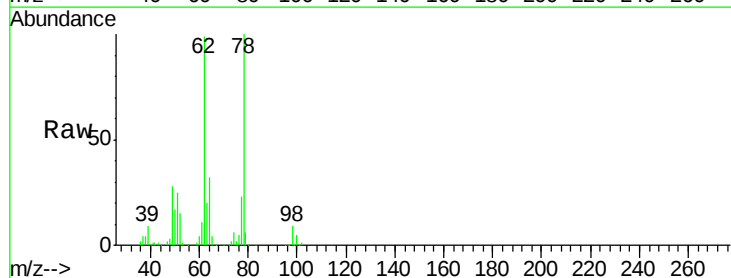
Manual Integrations
APPROVED

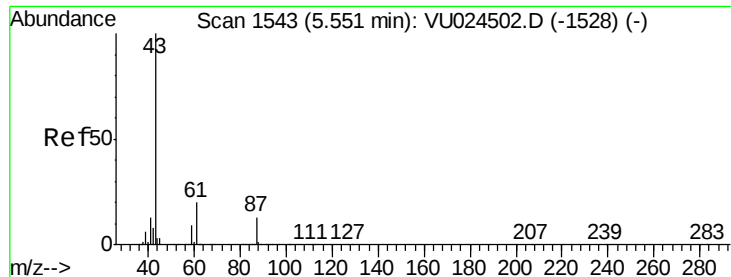
MMDadoda
6/29/2018 4:23:48 PM



#42
1,2-Dichloroethane
Concen: 49.72 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.5	0.0	16.6		





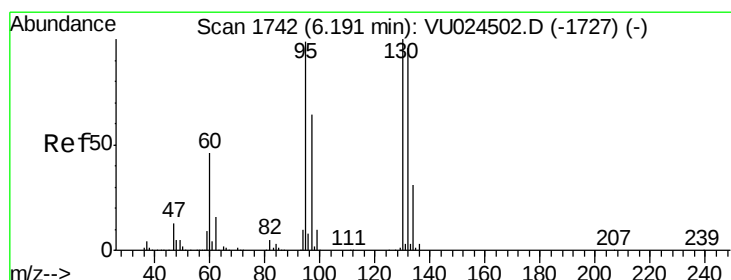
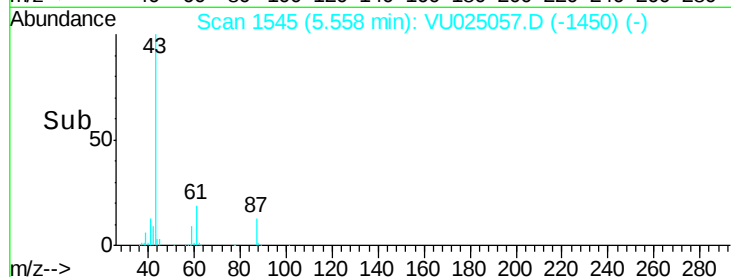
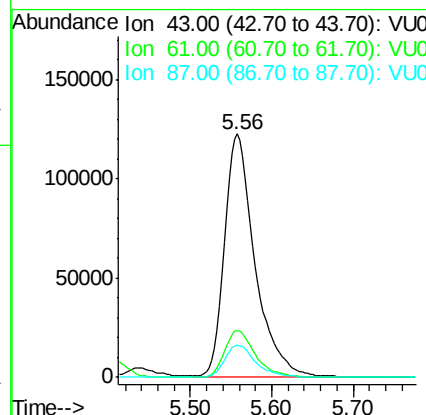
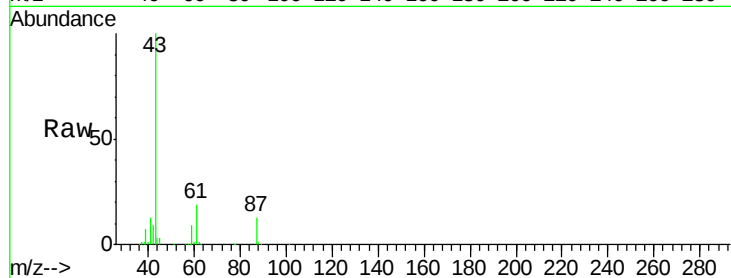
#43
Isopropyl Acetate
Concen: 46.29 ug/l
RT: 5.56 min Scan# 1545
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	13.6	10.0	15.0

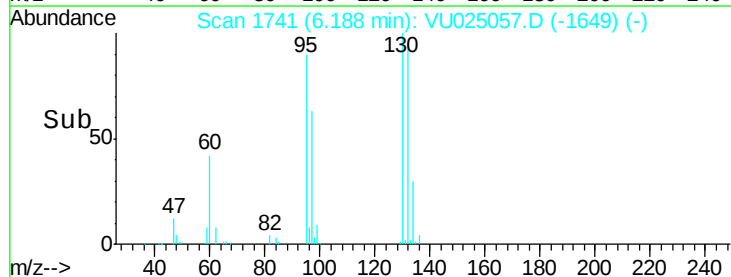
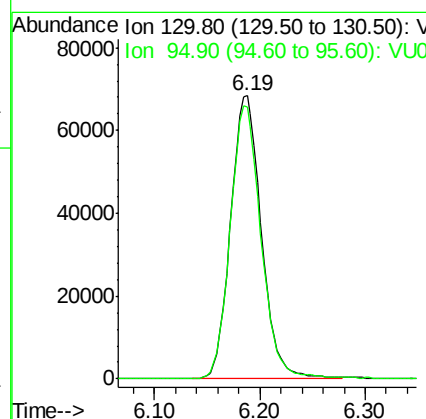
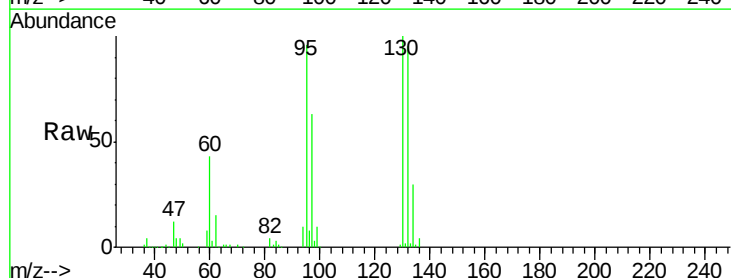
Manual Integrations
APPROVED

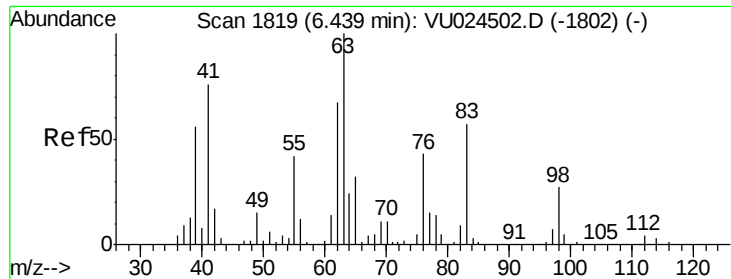
MMDadoda
6/29/2018 4:23:48 PM



#44
Trichloroethene
Concen: 46.27 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	202.4





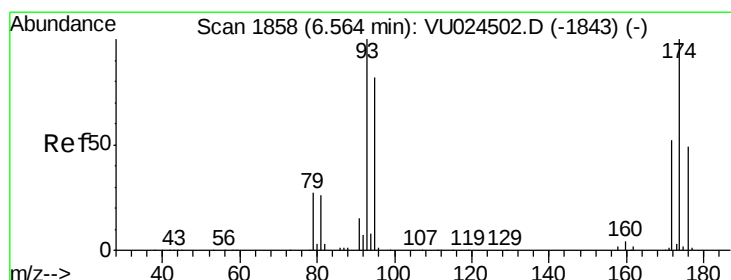
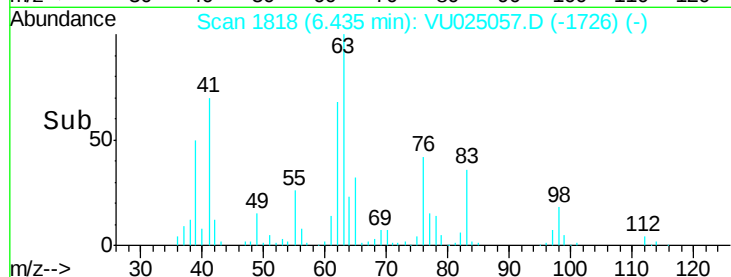
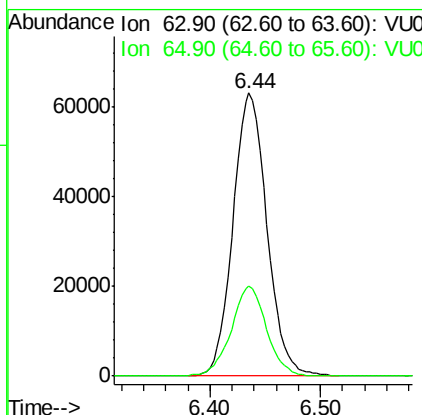
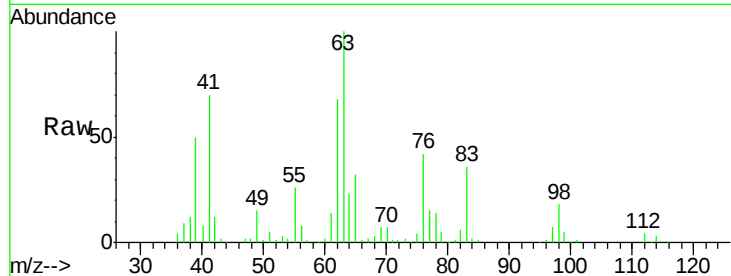
#45
 1,2-Dichloropropane
 Concen: 48.13 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion: 63 Resp: 134439
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

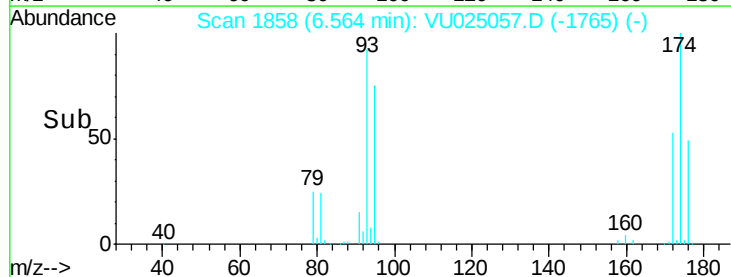
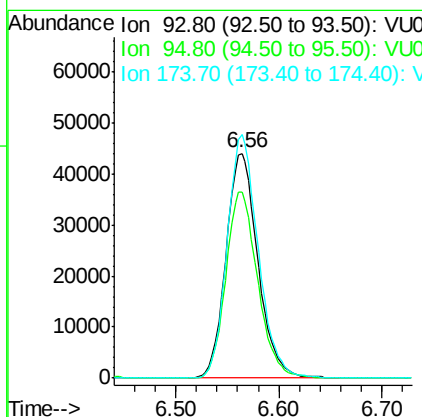
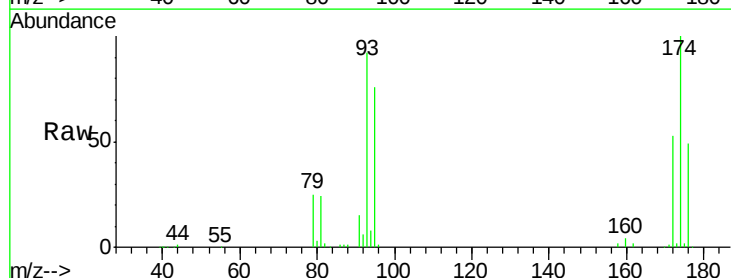
Manual Integrations
 APPROVED

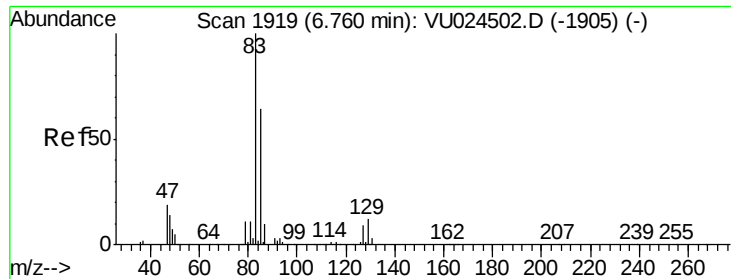
MMDadoda
 6/29/2018 4:23:48 PM



#46
 Dibromomethane
 Concen: 48.31 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion: 93 Resp: 94791
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.5 98.3
 174 105.8 78.7 118.1





#47

Bromodichloromethane

Concen: 46.38 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

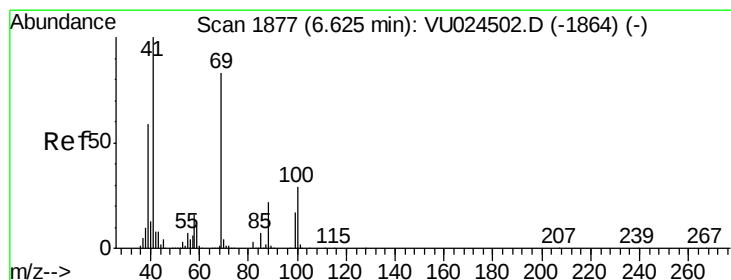
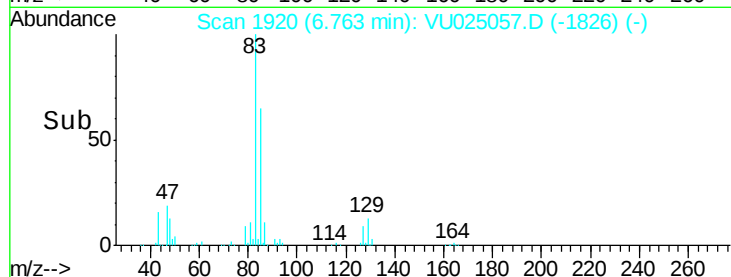
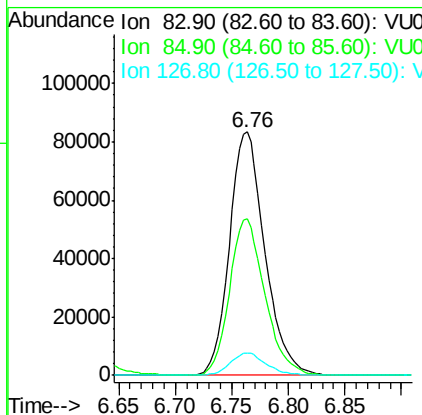
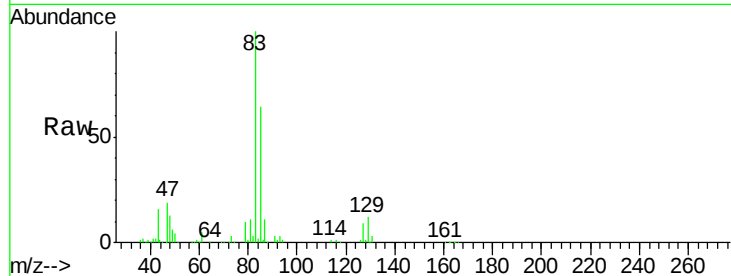
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	83	Resp:	181220
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9
127	9.2	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#48

Methyl methacrylate

Concen: 47.80 ug/l

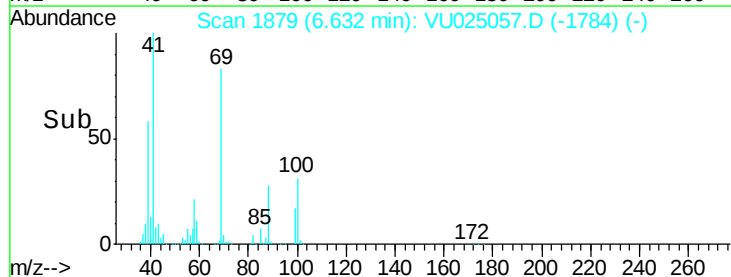
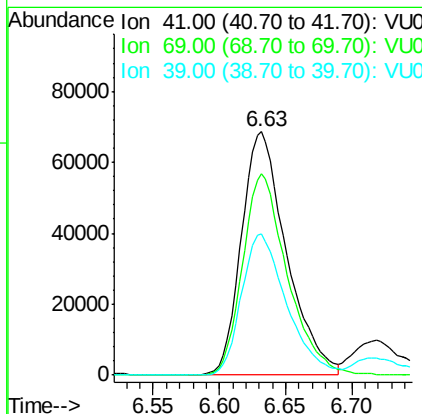
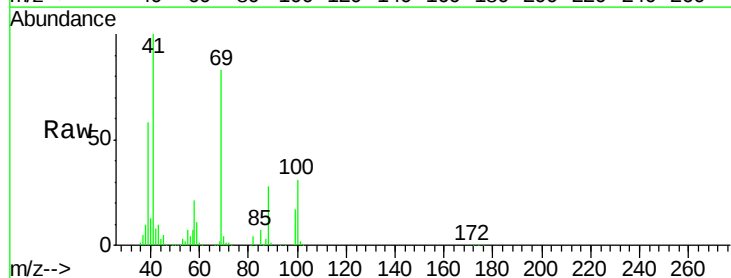
RT: 6.63 min Scan# 1879

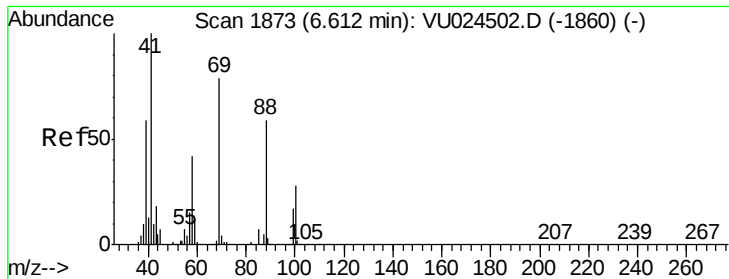
Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	41	Resp:	161113
Ion	Ratio	Lower	Upper
41	100		
69	82.4	67.3	100.9
39	58.6	46.5	69.7





#49

1,4-Dioxane

Concen: 1107.60 ug/l

RT: 6.65 min Scan# 1884

Delta R.T. 0.04 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

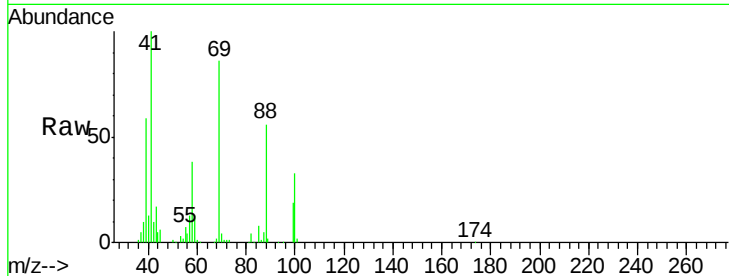
ClientSampleId :

WP021SB489-21-23-180622MS

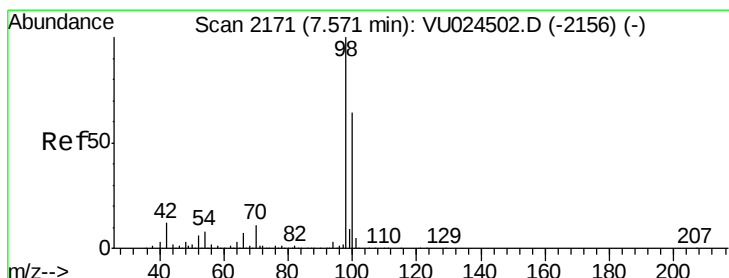
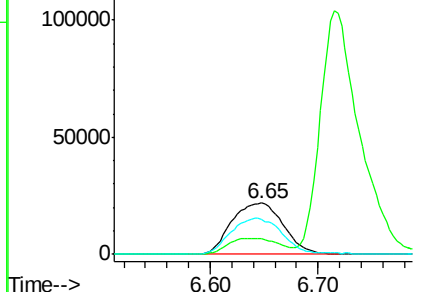
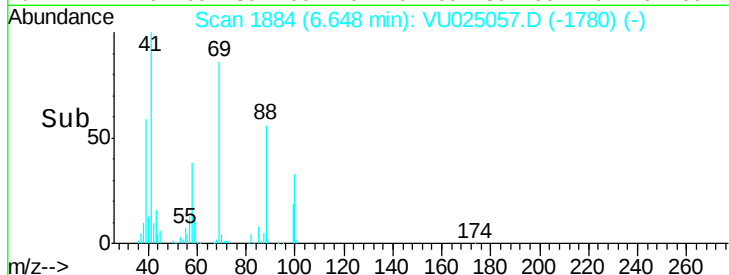
Tot Ion:	88	Resp:	73009
Ion	Ratio	Lower	Upper
88	100		
43	31.5	28.6	42.8
58	70.3	58.2	87.4

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



Abundance Ion 88.00 (87.70 to 88.70): VU025057.D (-1780) (-)



#50

Toluene-d8

Concen: 45.07 ug/l

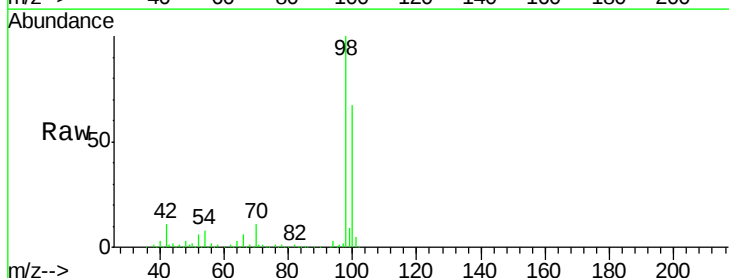
RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

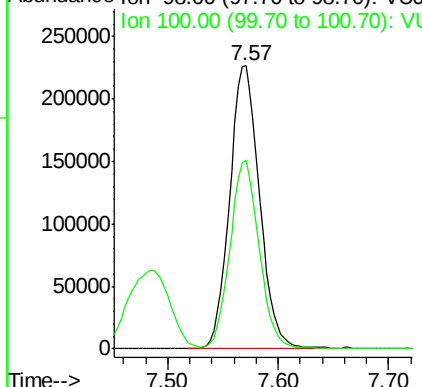
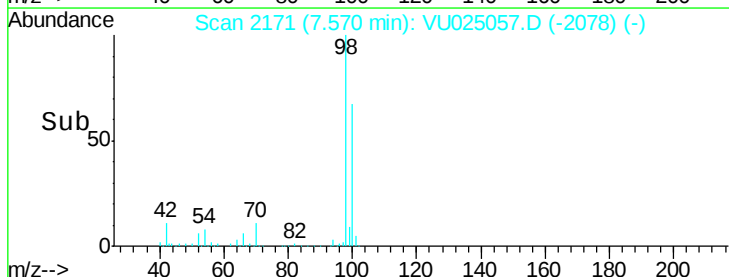
Lab File: VU025057.D

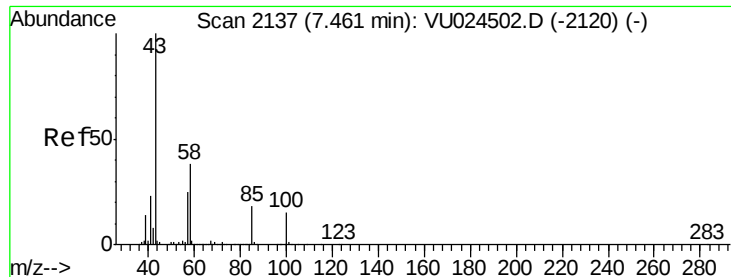
Acq: 29 Jun 2018 06:49

Tgt Ion:	98	Resp:	426590
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025057.D (-2078) (-)





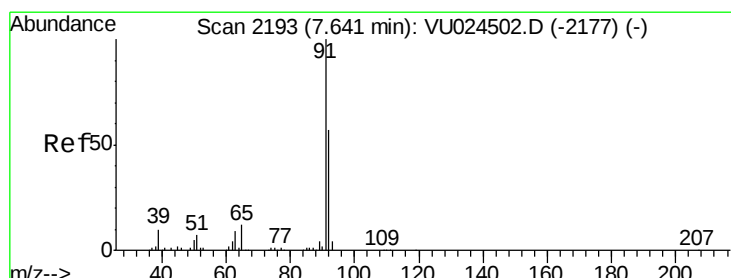
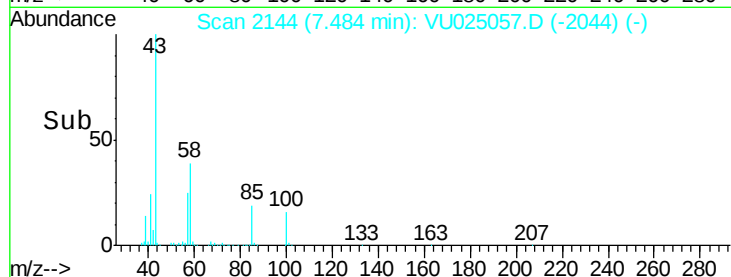
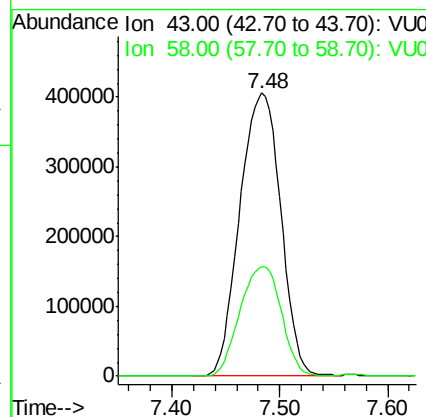
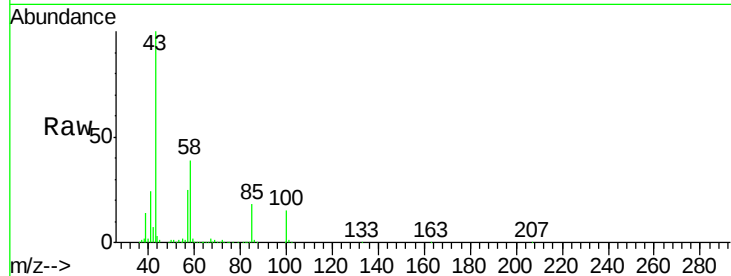
#51
4-Methyl-2-Pentanone
Concen: 246.18 ug/l
RT: 7.48 min Scan# 2144
Delta R.T. 0.02 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion: 43 Resp: 1070578
Ion Ratio Lower Upper
43 100
58 39.2 30.0 45.0

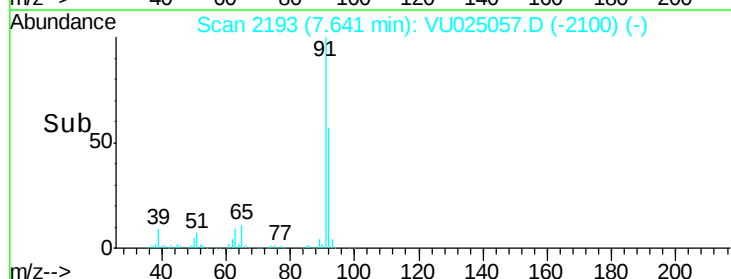
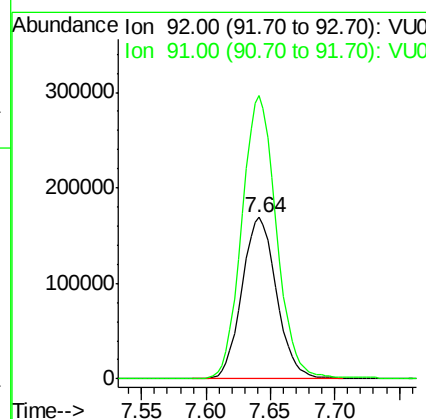
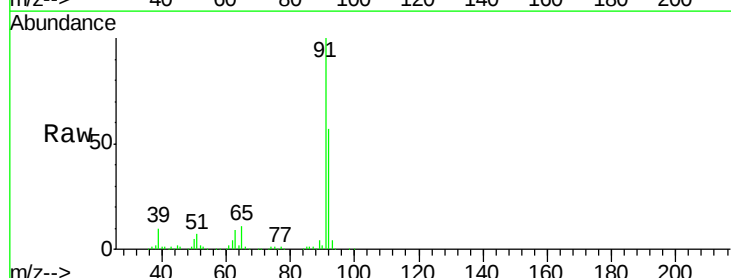
Manual Integrations
APPROVED

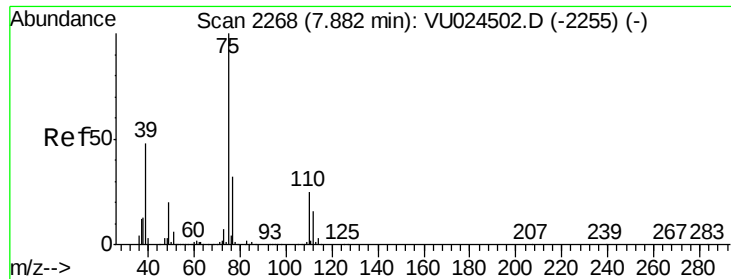
MMDadoda
6/29/2018 4:23:48 PM



#52
Toluene
Concen: 47.06 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion: 92 Resp: 316959
Ion Ratio Lower Upper
92 100
91 175.2 140.5 210.7





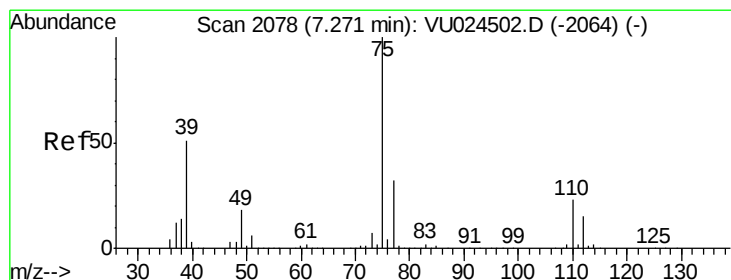
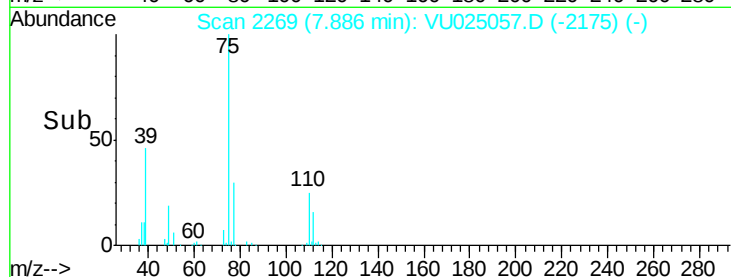
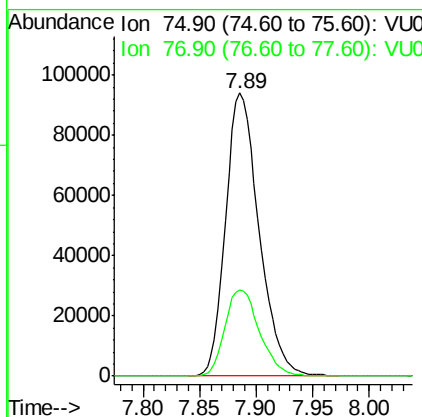
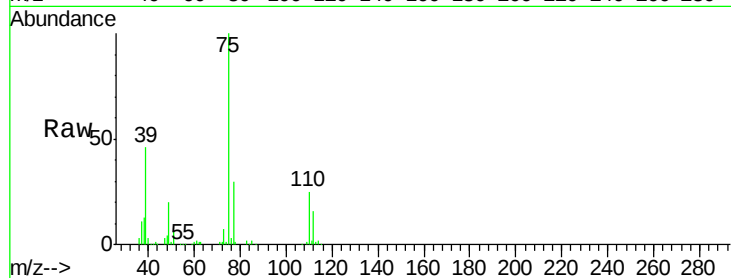
#53
t-1,3-Dichloropropene
Concen: 44.21 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.8	37.2

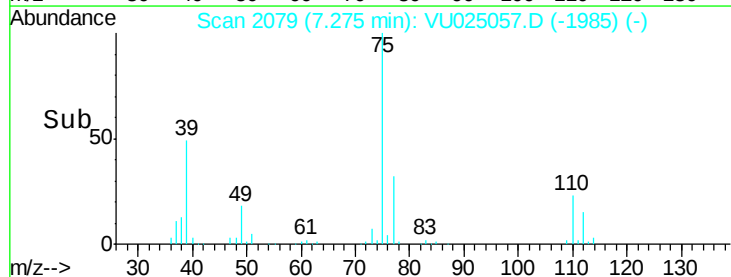
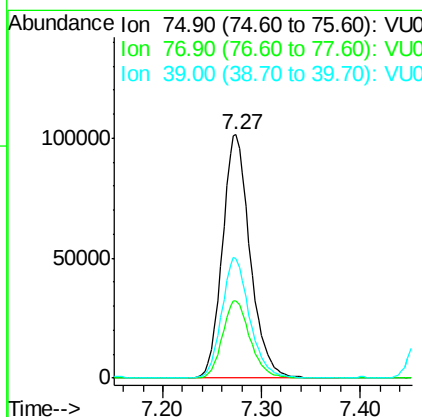
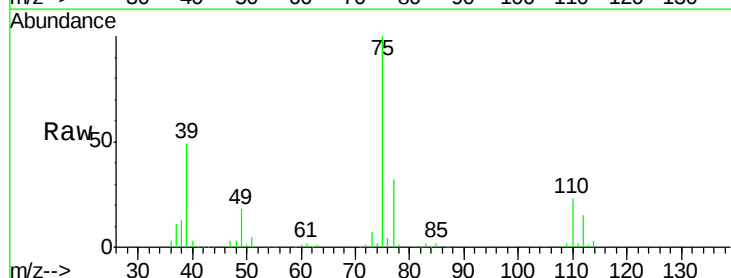
Manual Integrations
APPROVED

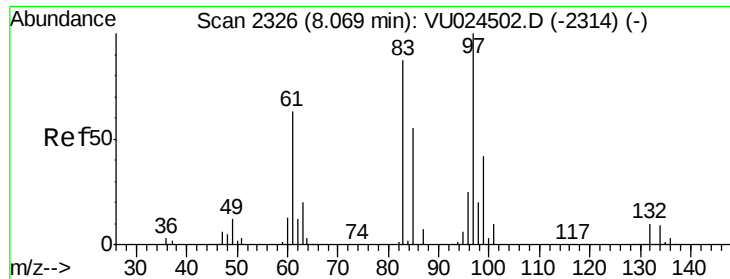
MMDadoda
6/29/2018 4:23:48 PM



#54
cis-1,3-Dichloropropene
Concen: 42.74 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.6	36.8
39	48.8	39.8	59.6





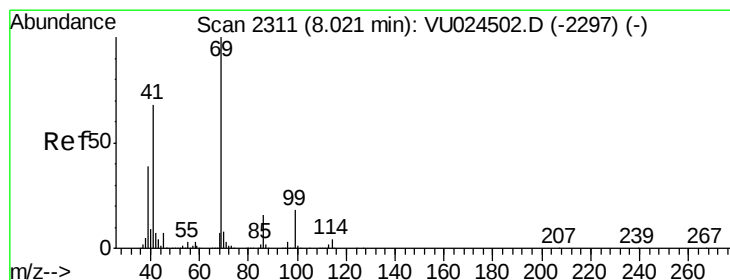
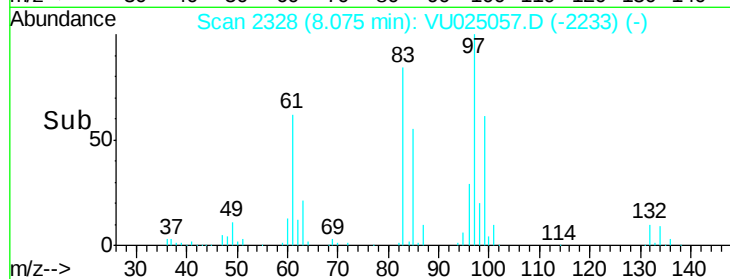
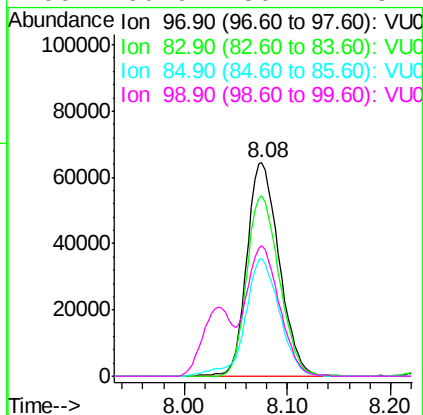
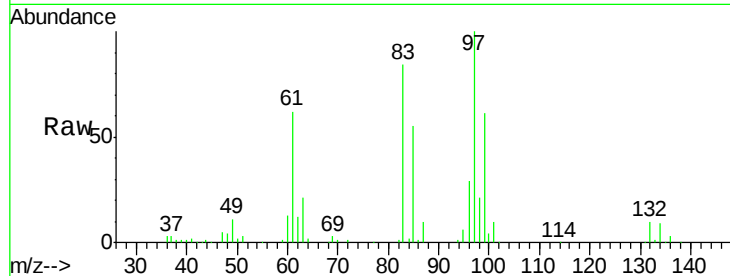
#55
 1,1,2-Trichloroethane
 Concen: 51.17 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion:	97	Resp:	140099
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.5	105.7
85	55.2	46.4	69.6
99	60.9	50.2	75.2

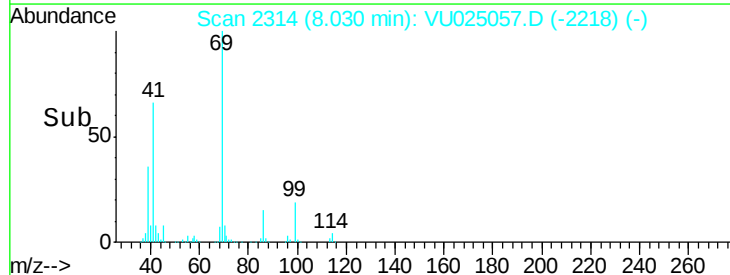
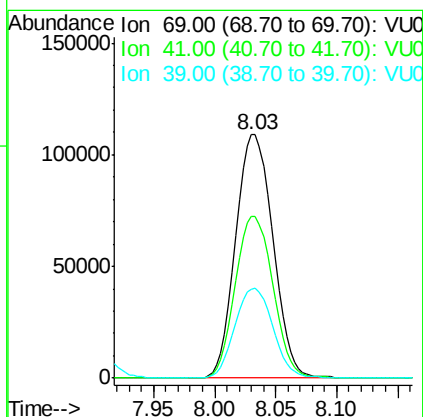
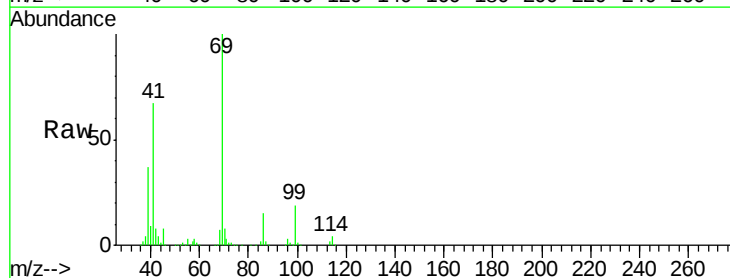
Manual Integrations
 APPROVED

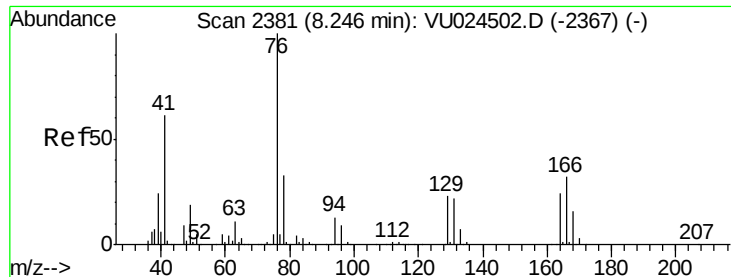
MMDadoda
 6/29/2018 4:23:48 PM



#56
 Ethyl methacrylate
 Concen: 50.45 ug/l
 RT: 8.03 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion:	69	Resp:	231212
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.1	81.1
39	37.3	30.3	45.5





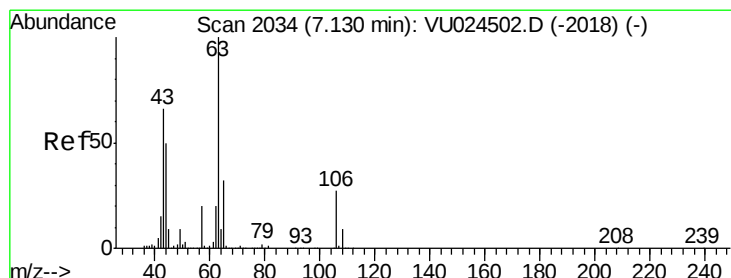
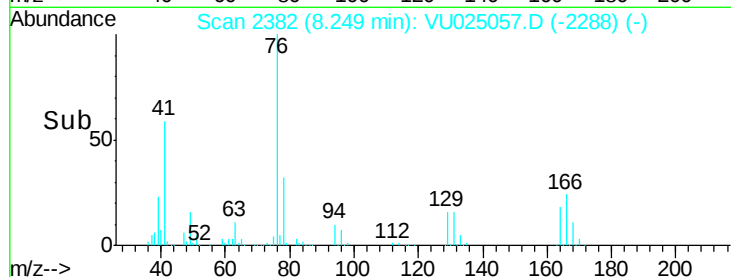
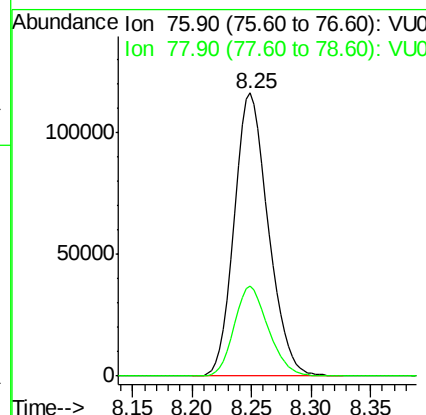
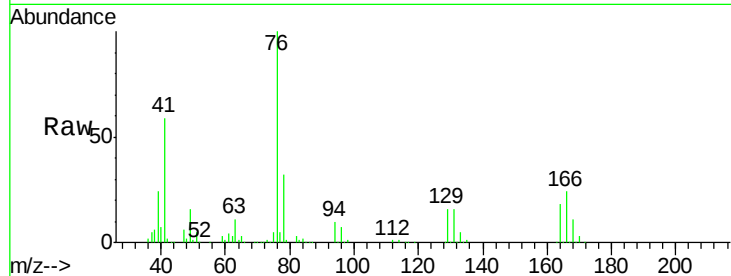
#57
 1,3-Dichloropropane
 Concen: 49.90 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion: 76 Resp: 230461
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.2 37.8

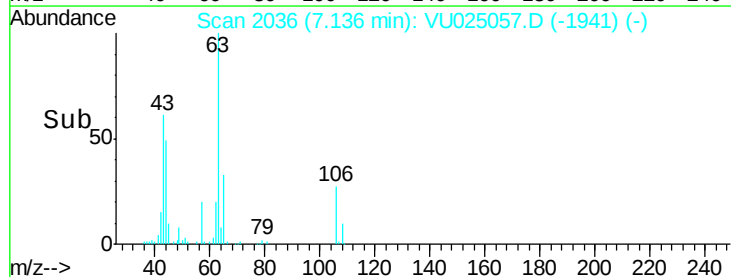
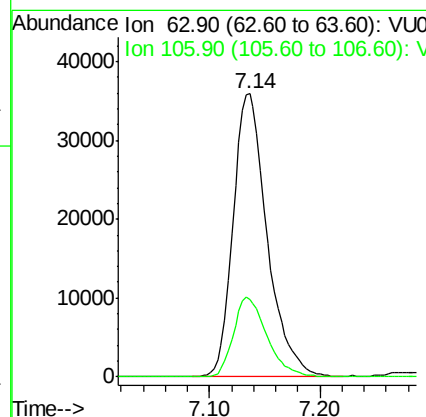
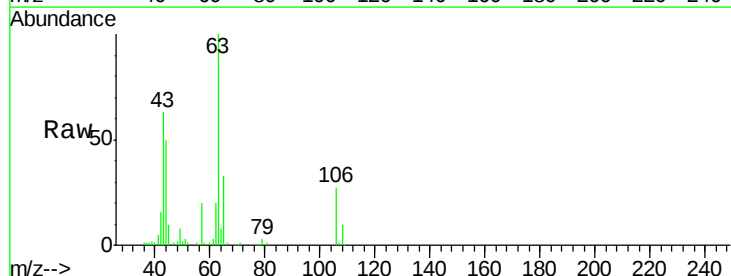
Manual Integrations
 APPROVED

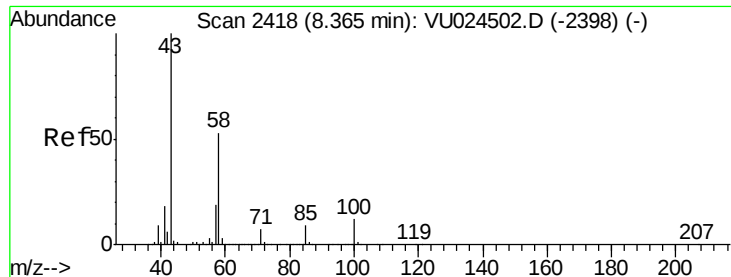
MMDadoda
 6/29/2018 4:23:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 43.71 ug/l
 RT: 7.14 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion: 63 Resp: 76737
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2





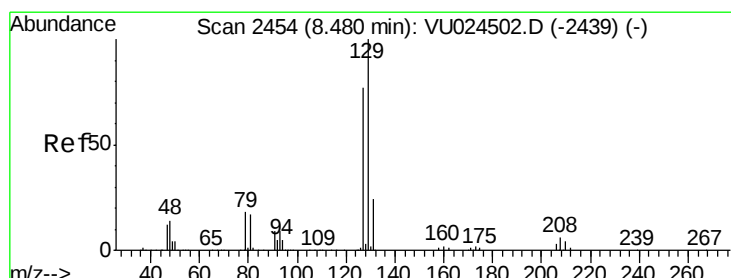
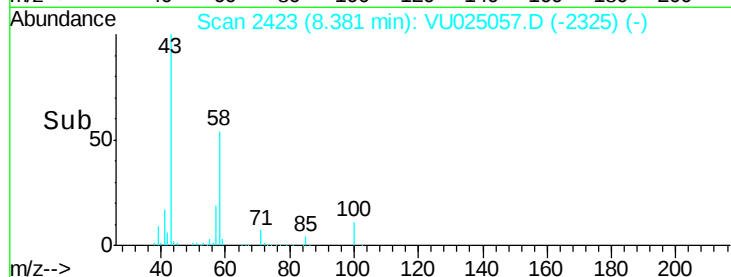
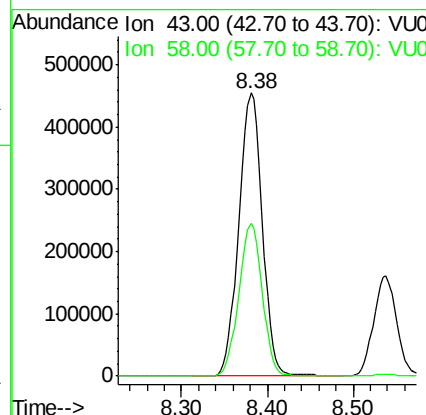
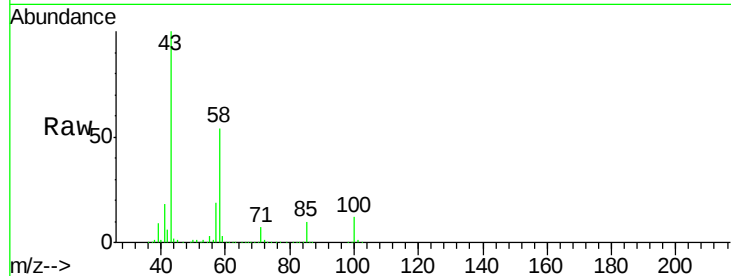
#59
2-Hexanone
Concen: 242.61 ug/l
RT: 8.38 min Scan# 2423
Delta R.T. 0.02 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion: 43 Resp: 861358
Ion Ratio Lower Upper
43 100
58 53.9 26.4 79.0

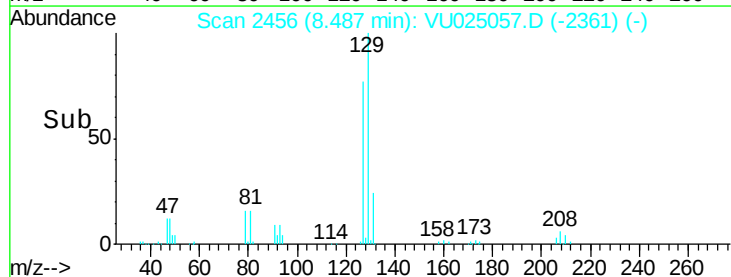
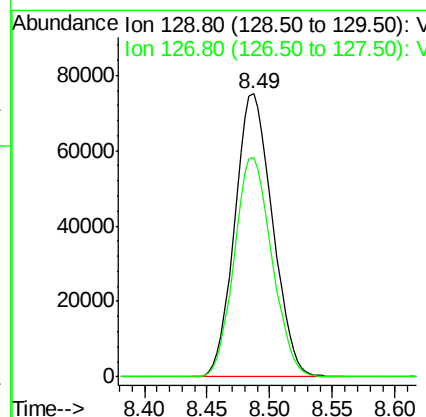
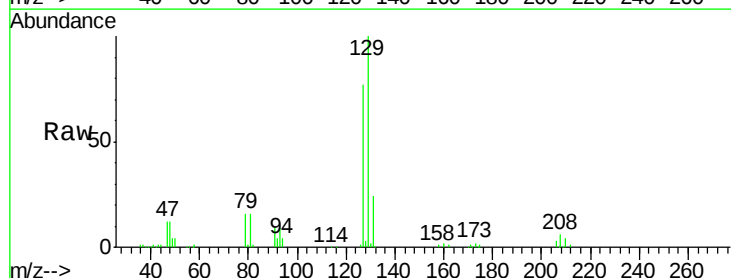
Manual Integrations
APPROVED

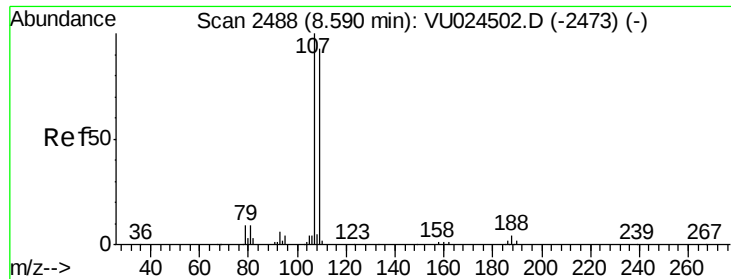
MMDadoda
6/29/2018 4:23:48 PM



#60
Dibromochloromethane
Concen: 46.00 ug/l
RT: 8.49 min Scan# 2456
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion: 129 Resp: 157057
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





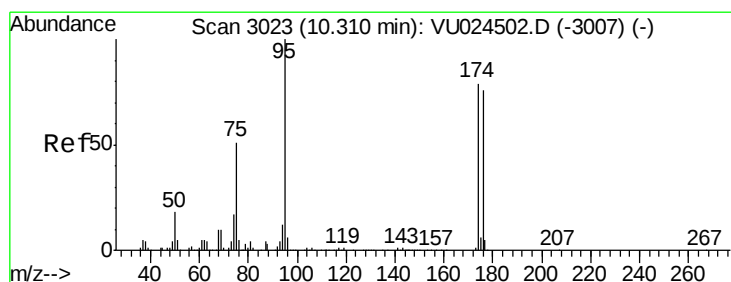
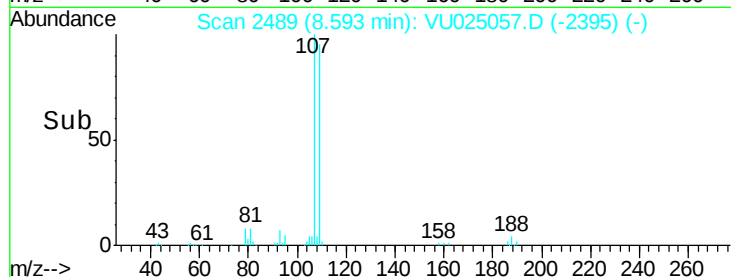
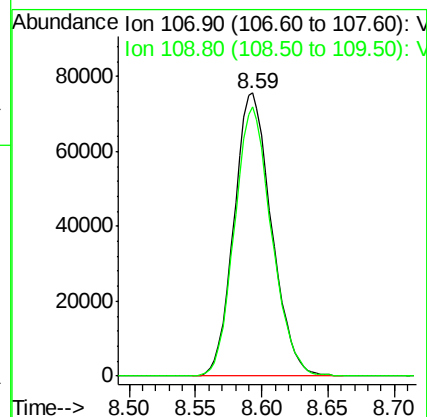
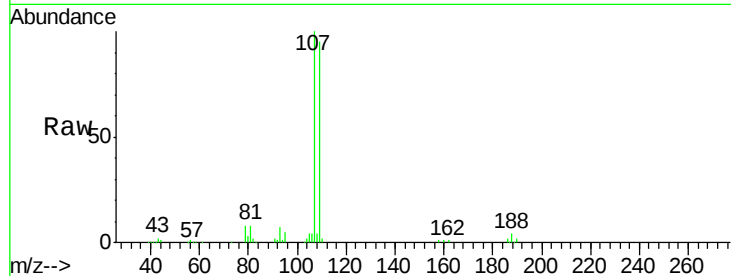
#61
 1,2-Dibromoethane
 Concen: 48.67 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.5	111.7

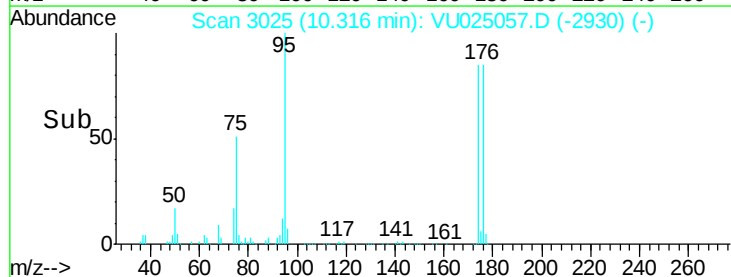
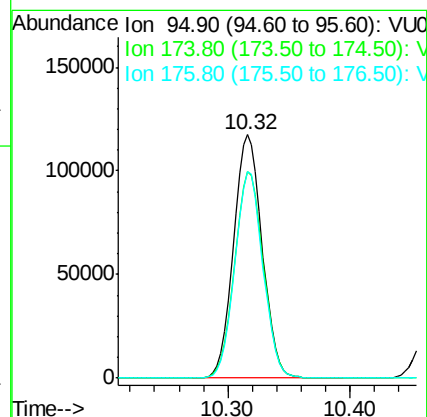
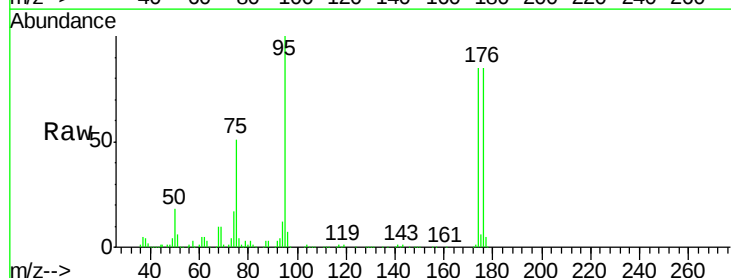
Manual Integrations
 APPROVED

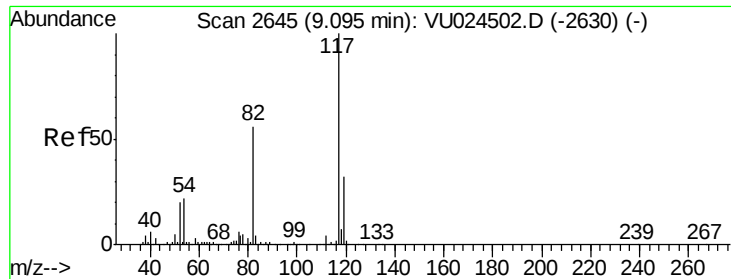
MMDadoda
 6/29/2018 4:23:48 PM



#62
 4-Bromofluorobenzene
 Concen: 51.22 ug/l
 RT: 10.32 min Scan# 3025
 Delta R.T. 0.01 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	165.8
176	83.3	0.0	159.4





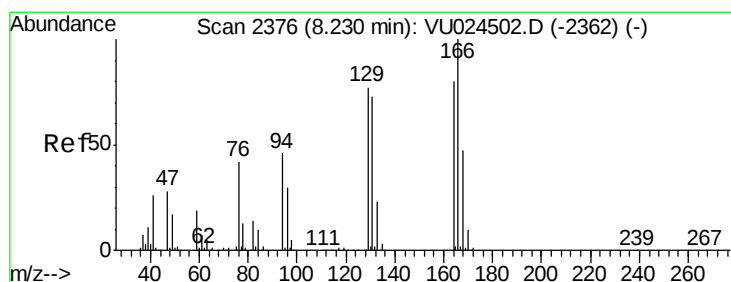
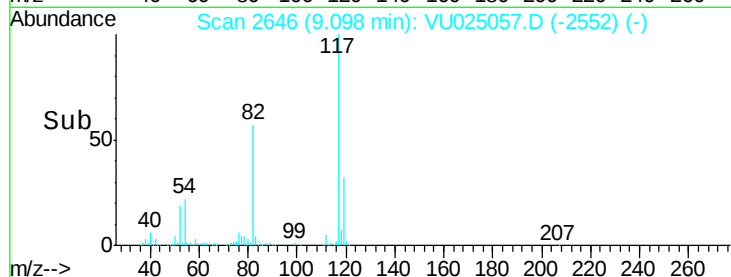
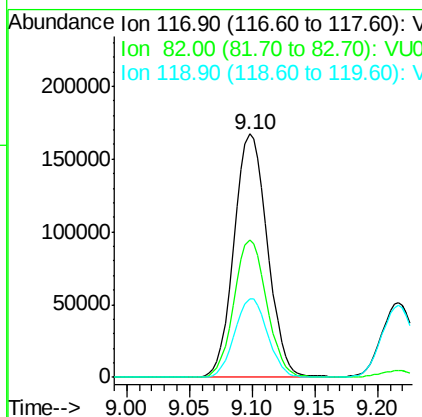
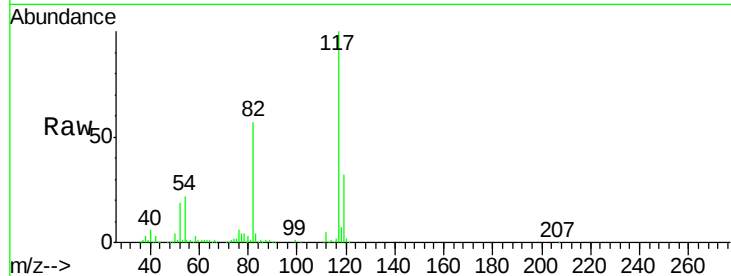
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309483		
82	56.5		44.3	66.5
119	32.3		25.4	38.2

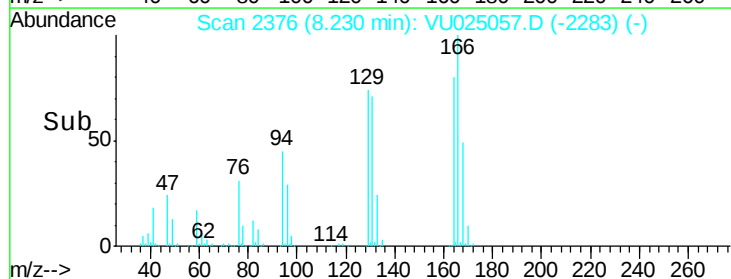
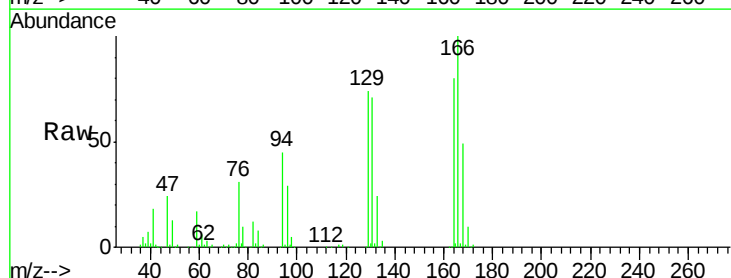
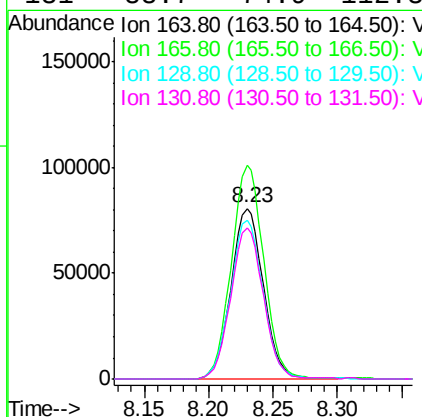
Manual Integrations
APPROVED

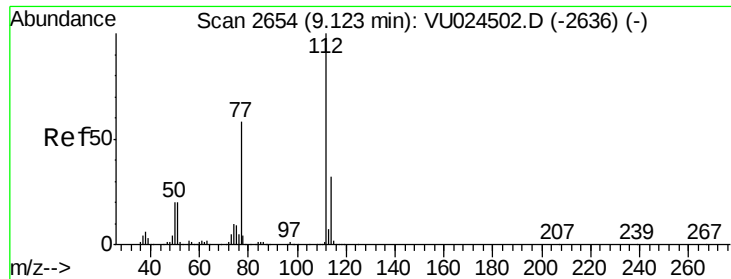
MMDadoda
6/29/2018 4:23:48 PM



#64
Tetrachloroethene
Concen: 47.98 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141159		
166	125.2		101.7	152.5
129	93.3		76.9	115.3
131	88.7		74.9	112.3





#65

Chlorobenzene

Concen: 48.92 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:112 Resp: 386795

Ion Ratio Lower Upper

112 100

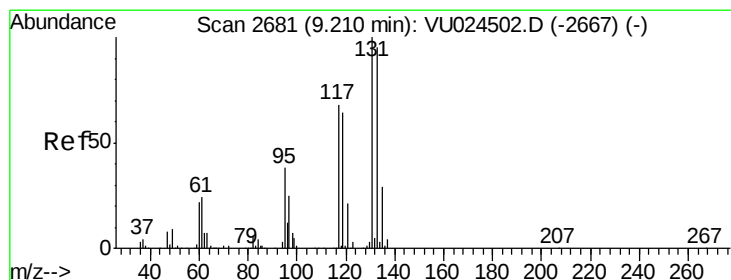
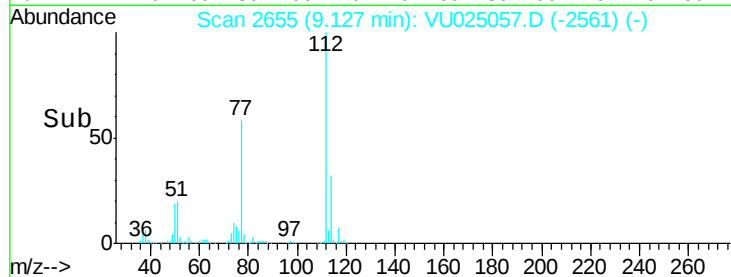
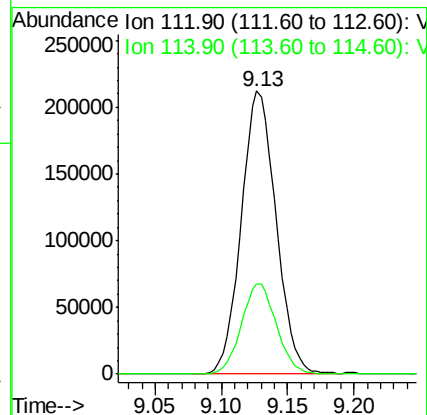
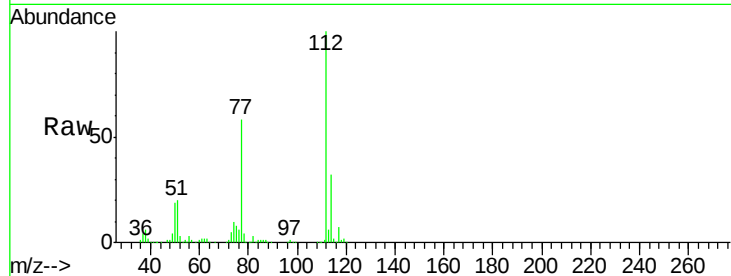
114 32.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.15 ug/l

RT: 9.22 min Scan# 2683

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

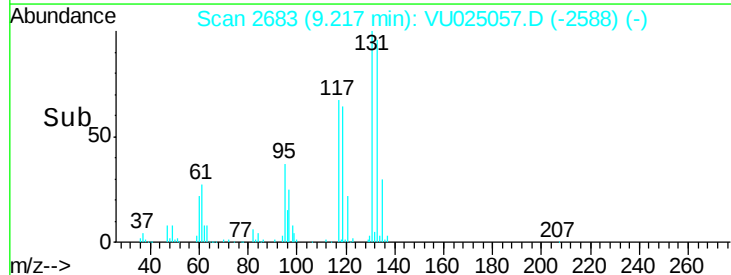
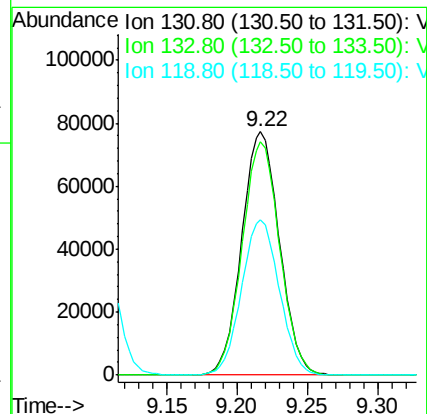
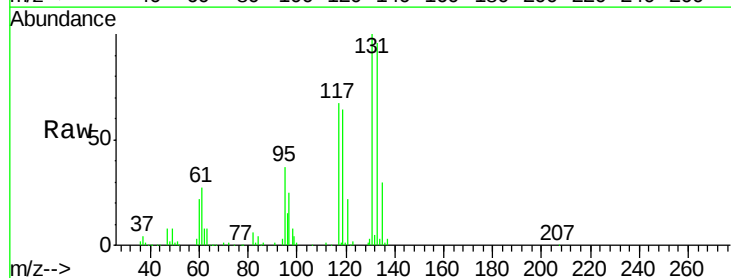
Tgt Ion:131 Resp: 144635

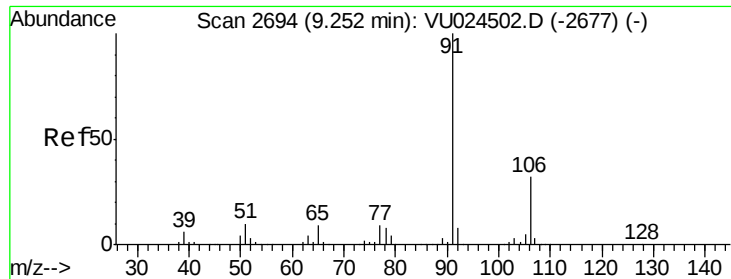
Ion Ratio Lower Upper

131 100

133 95.6 46.9 140.8

119 64.0 33.5 100.4





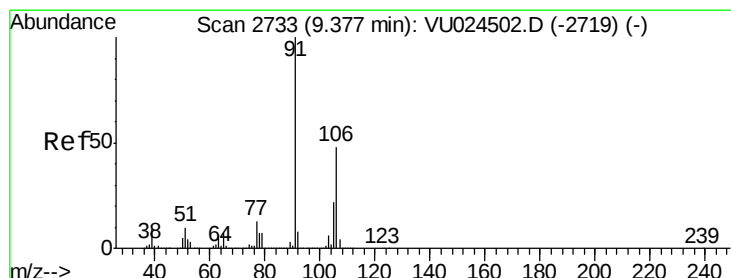
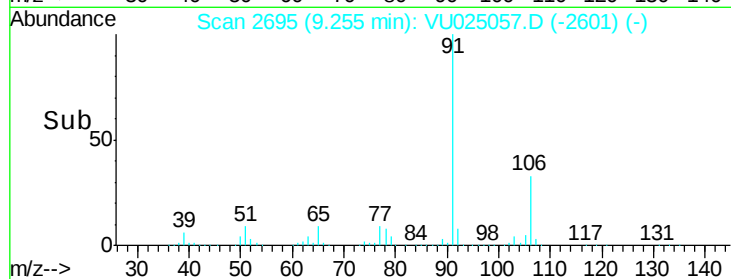
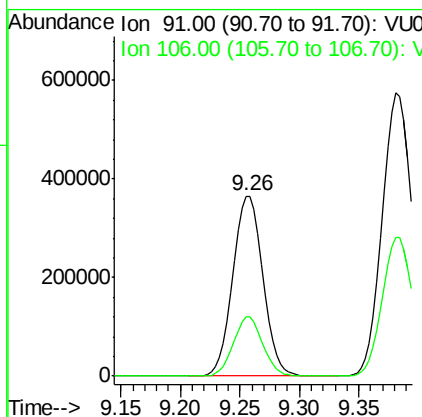
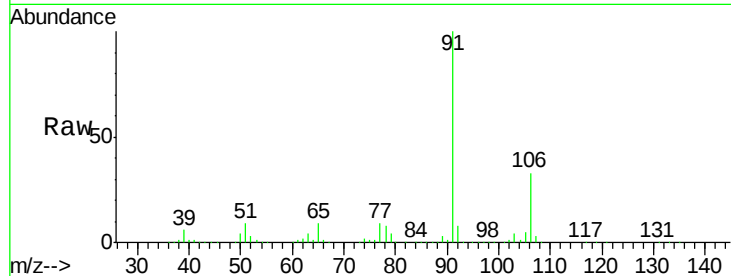
#67
Ethyl Benzene
Concen: 46.33 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion: 91 Resp: 642198
Ion Ratio Lower Upper
91 100
106 32.6 24.2 36.4

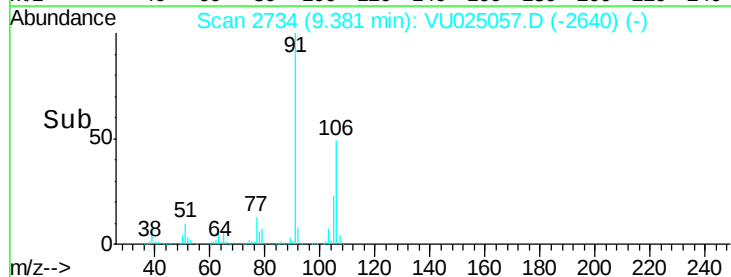
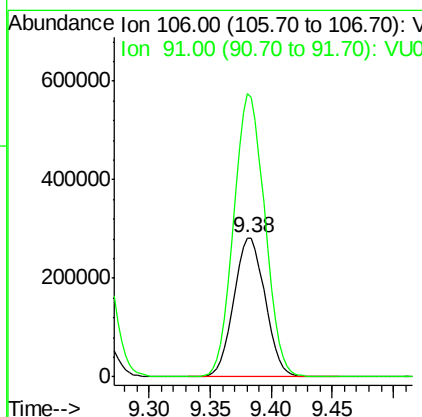
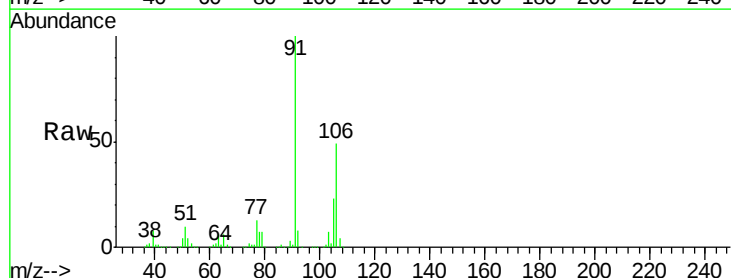
Manual Integrations
APPROVED

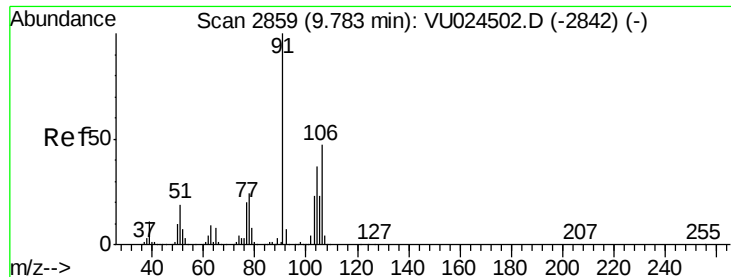
MMDadoda
6/29/2018 4:23:48 PM



#68
m/p-Xylenes
Concen: 94.07 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion: 106 Resp: 500653
Ion Ratio Lower Upper
106 100
91 203.5 166.5 249.7





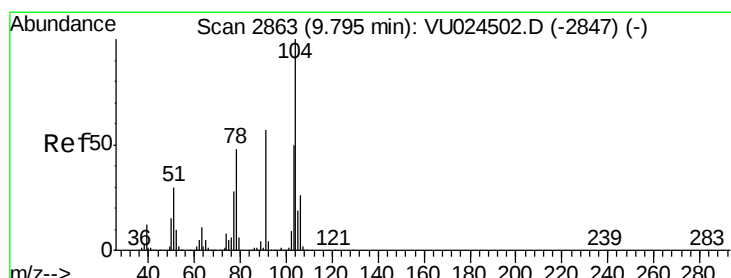
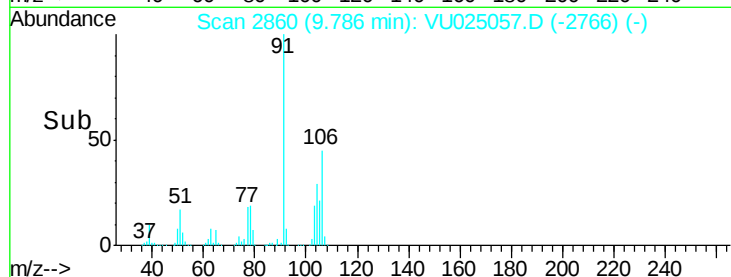
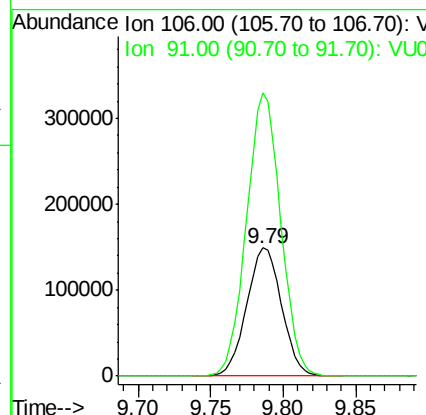
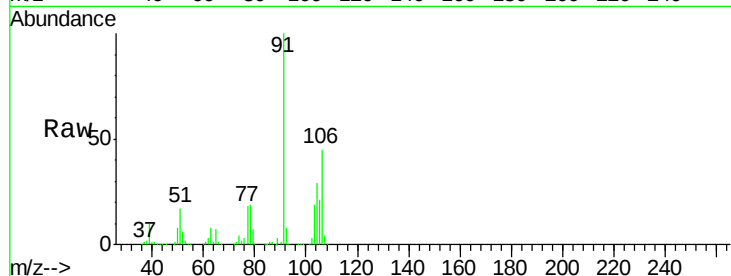
#69
o-Xylene
Concen: 47.49 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
250146	106	100			
	91	216.9		110.7	331.9

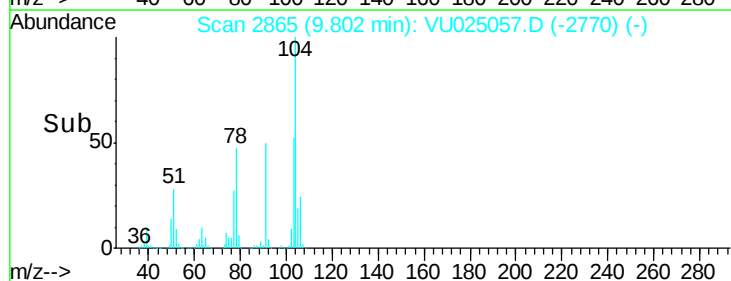
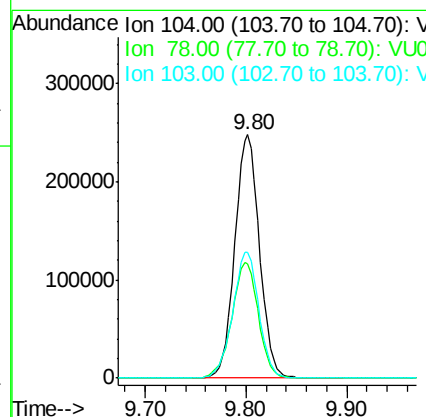
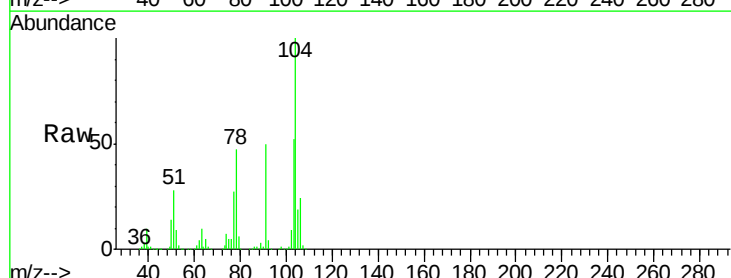
Manual Integrations
APPROVED

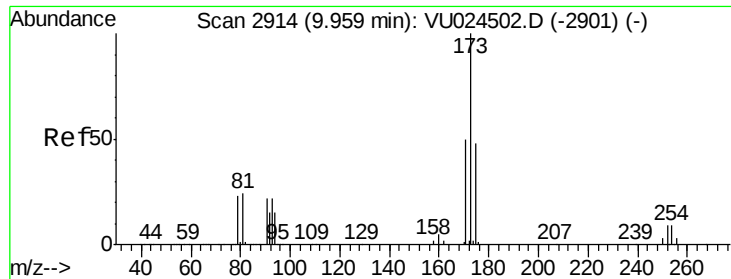
MMDadoda
6/29/2018 4:23:48 PM



#70
Styrene
Concen: 48.75 ug/l
RT: 9.80 min Scan# 2865
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
421967	104	100			
	78	51.2		40.6	60.8
	103	55.0		44.7	67.1





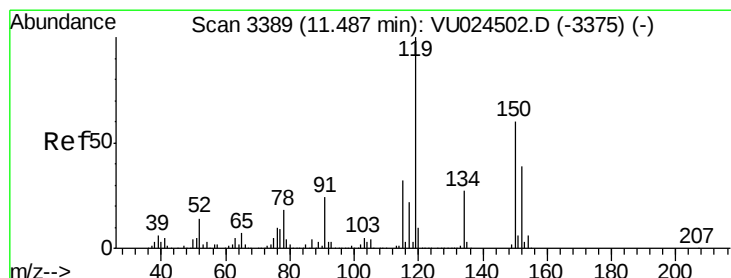
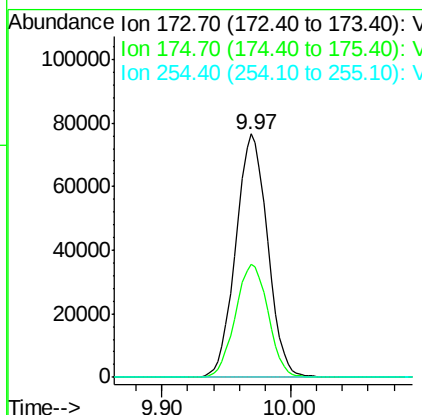
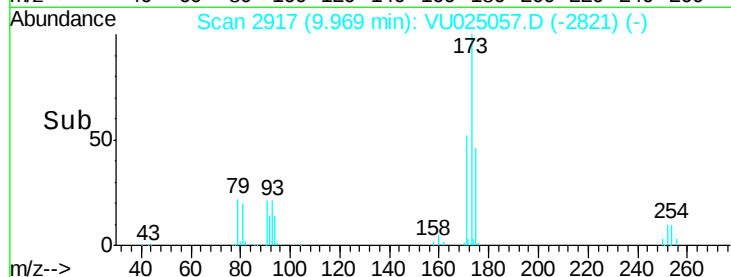
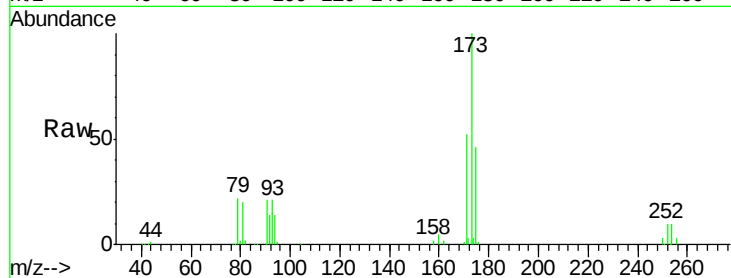
#71
Bromoform
Concen: 46.01 ug/l
RT: 9.97 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.0	0.0	0.0

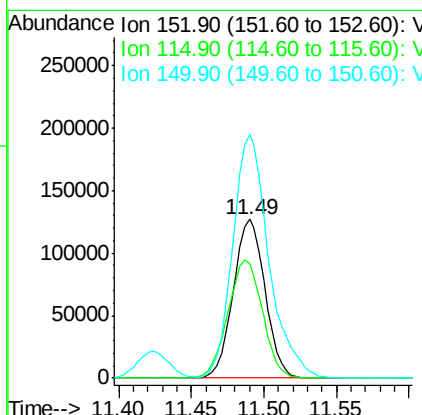
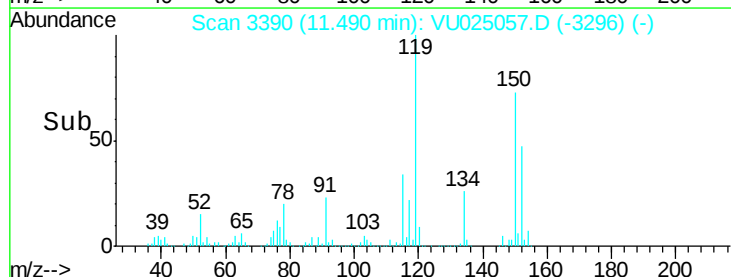
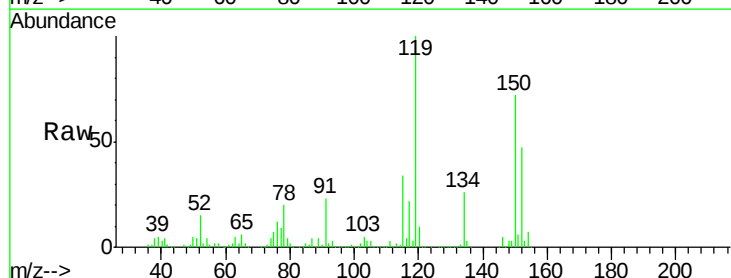
Manual Integrations
APPROVED

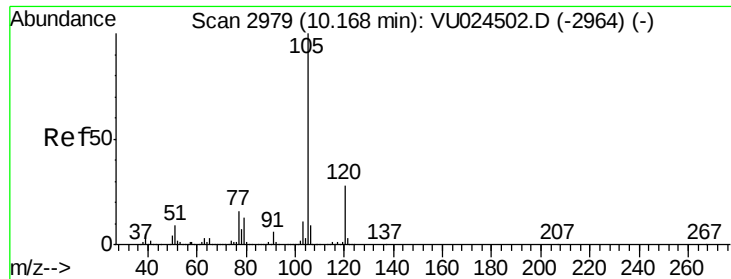
MMDadoda
6/29/2018 4:23:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.8	43.0	129.0
150	173.7	0.0	354.0





#73

Isopropylbenzene

Concen: 46.56 ug/l

RT: 10.17 min Scan# 2981

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 105 Resp: 689370

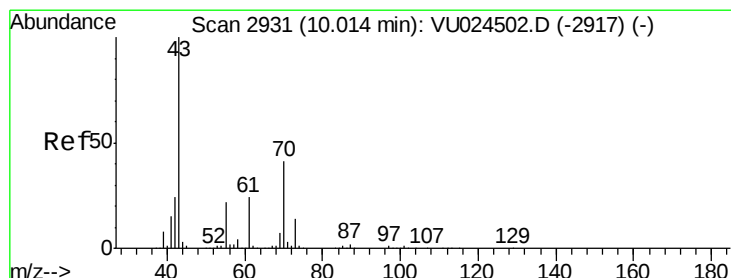
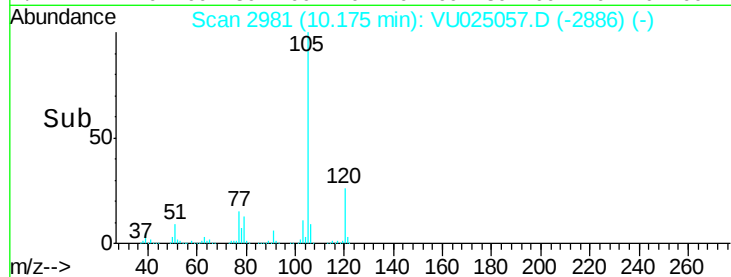
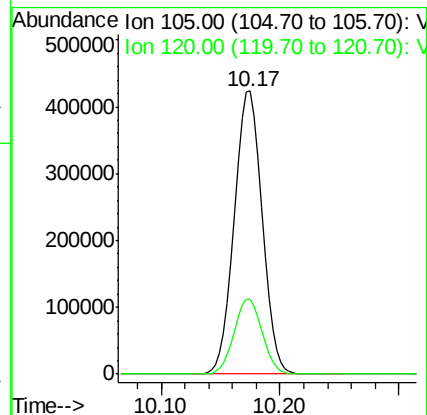
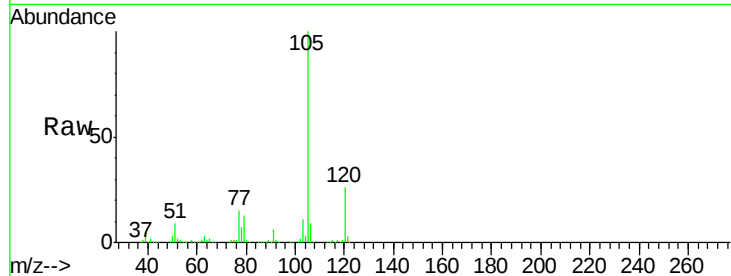
Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#74

N-ethyl acetate

Concen: 43.67 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion: 43 Resp: 307548

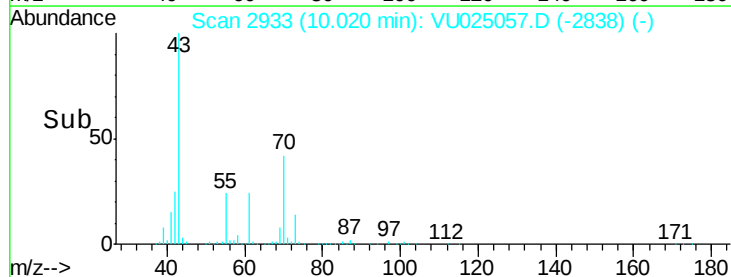
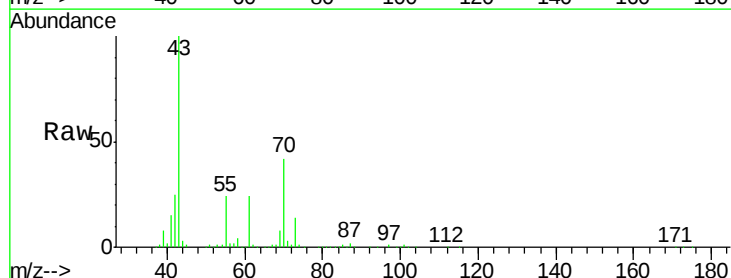
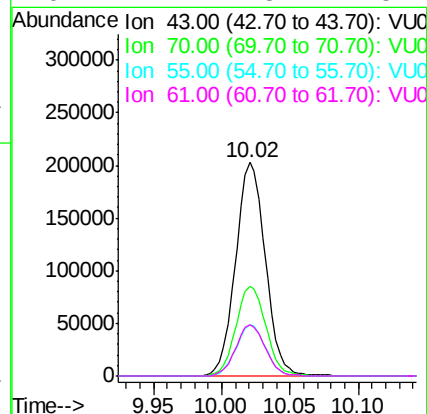
Ion Ratio Lower Upper

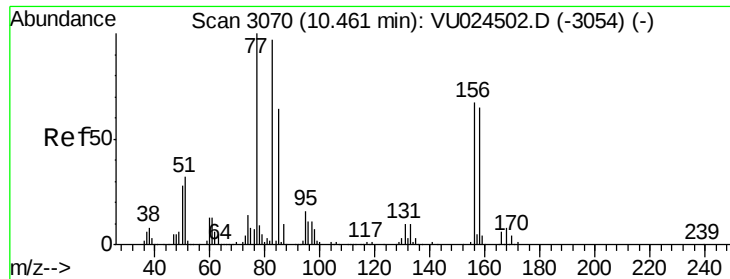
43 100

70 42.5 32.2 48.4

55 24.1 20.5 30.7

61 24.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.70 ug/l

RT: 10.47 min Scan# 3072

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 83 Resp: 241644

Ion Ratio Lower Upper

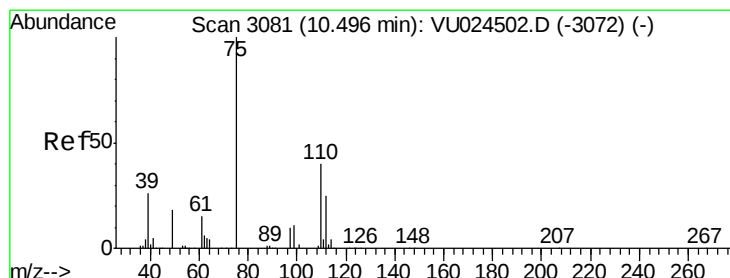
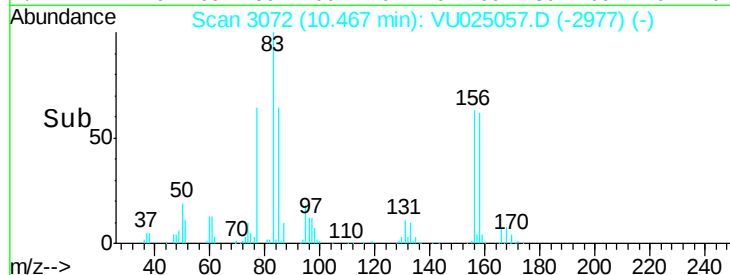
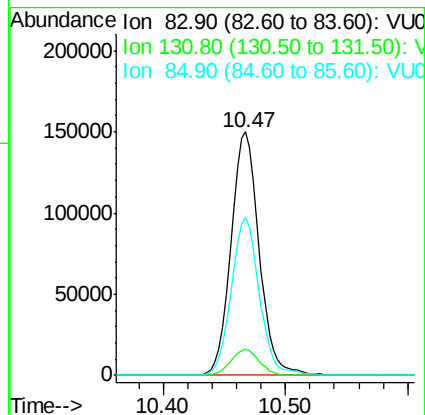
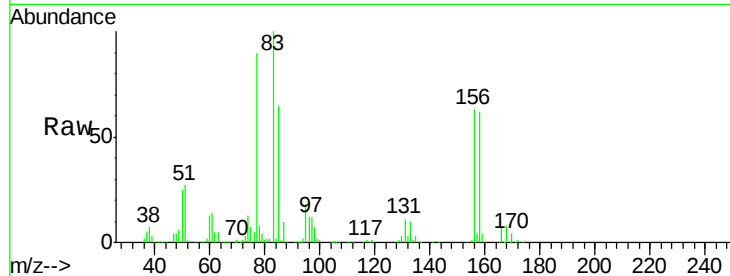
83 100

131 10.6 4.7 14.1

85 64.9 32.5 97.5

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#76

1,2,3-Trichloropropane

Concen: 49.69 ug/l m

RT: 10.50 min Scan# 3083

Delta R.T. 0.01 min

Lab File: VU025057.D

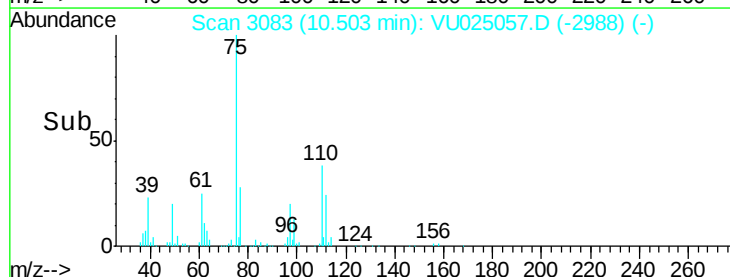
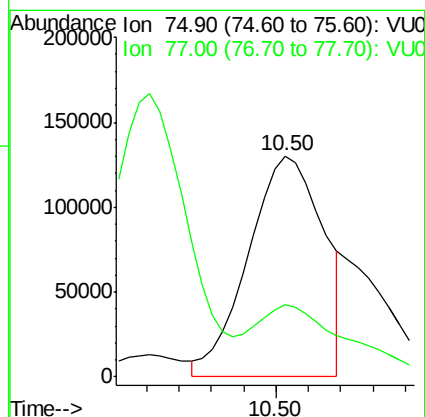
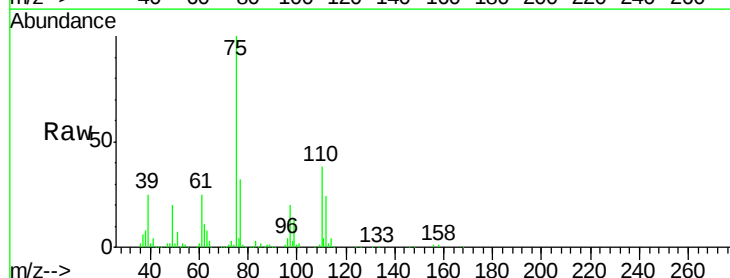
Acq: 29 Jun 2018 06:49

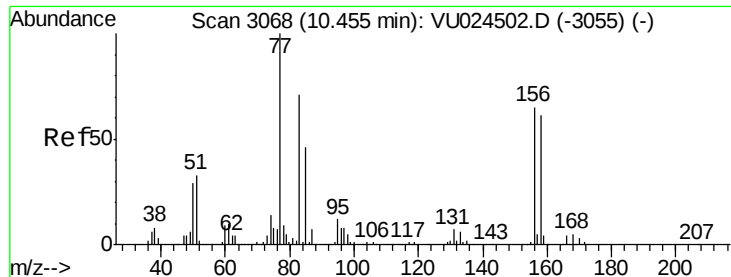
Tgt Ion: 75 Resp: 211003

Ion Ratio Lower Upper

75 100

77 39.2 20.9 62.7





#77

Bromobenzene

Concen: 49.00 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.01 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

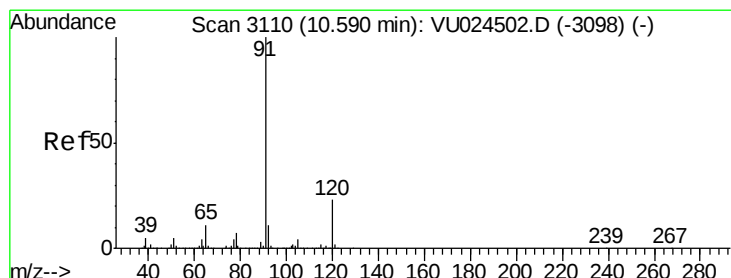
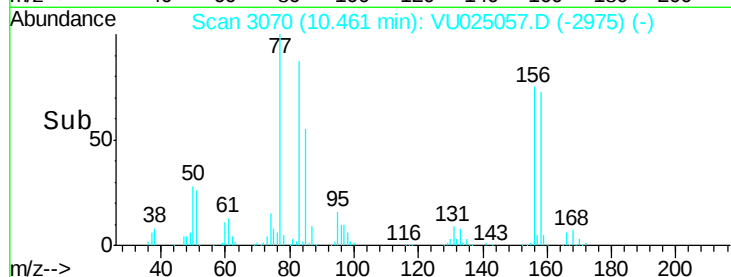
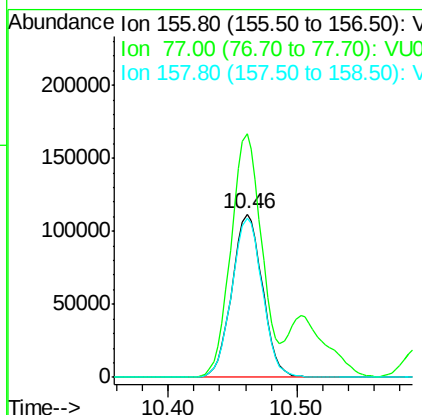
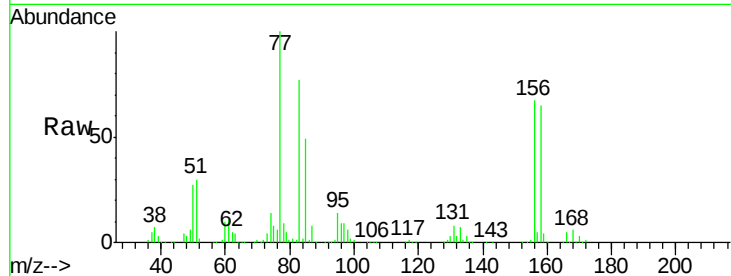
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	156	Resp:	183677
Ion Ratio	Lower	Upper	
156	100		
77	150.8	80.5	241.3
158	98.1	48.2	144.6

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#78

n-propylbenzene

Concen: 44.47 ug/l

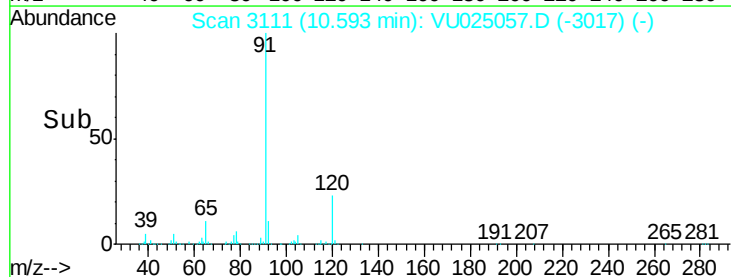
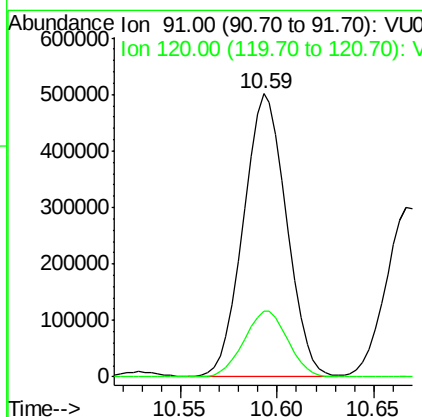
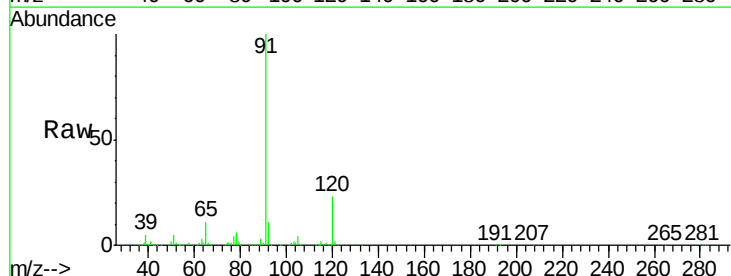
RT: 10.59 min Scan# 3111

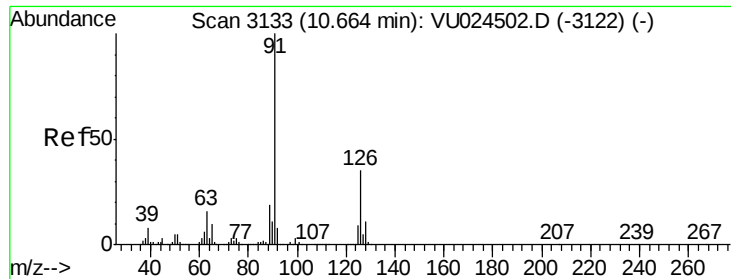
Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	91	Resp:	775717
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.10 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion: 91 Resp: 484497

Ion Ratio Lower Upper

91 100

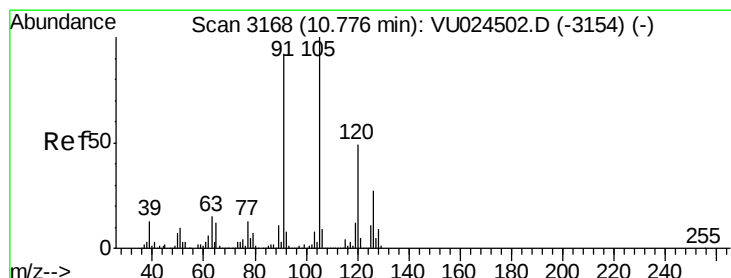
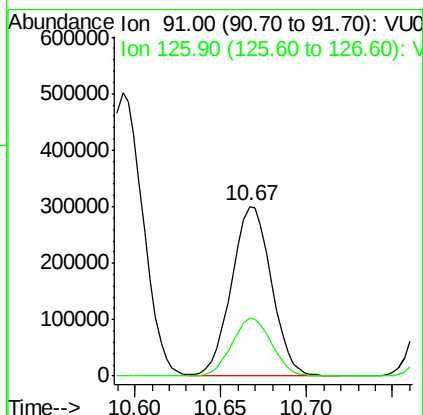
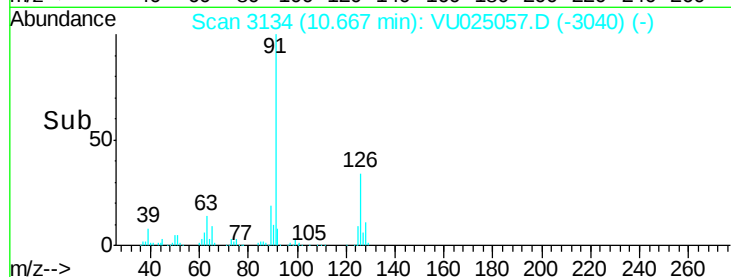
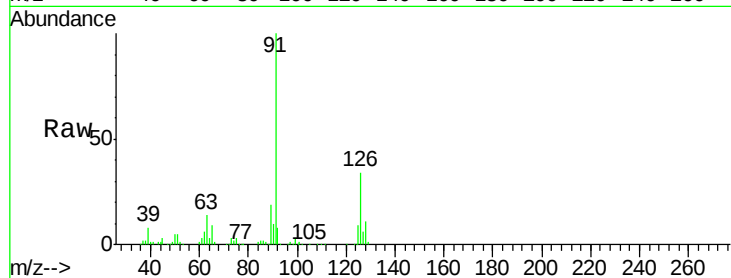
126 34.4 16.9 50.7

Manual Integrations

APPROVED

MMDadoda

6/29/2018 4:23:48 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.95 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025057.D

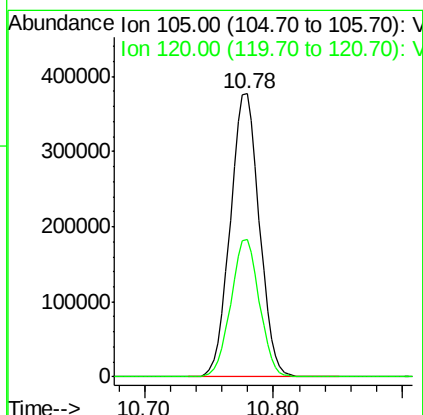
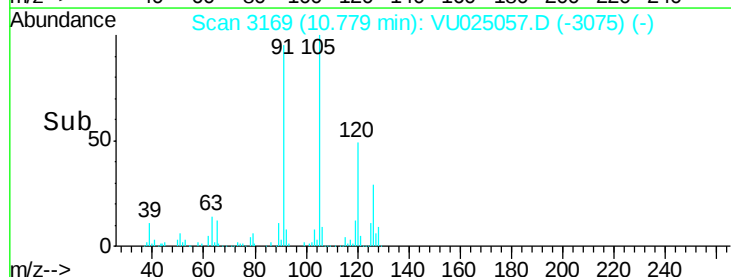
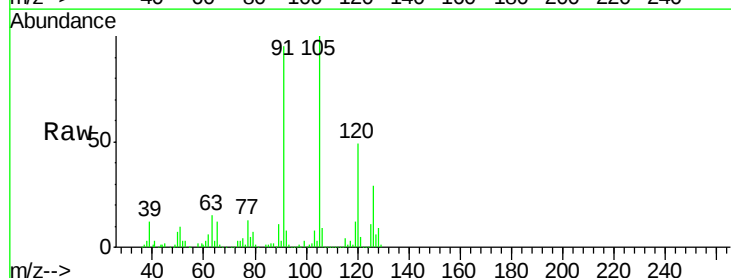
Acq: 29 Jun 2018 06:49

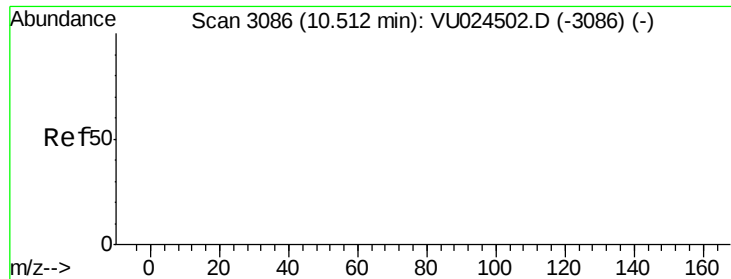
Tgt Ion: 105 Resp: 589709

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.81 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

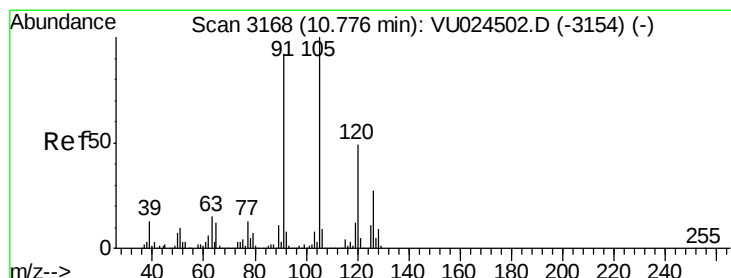
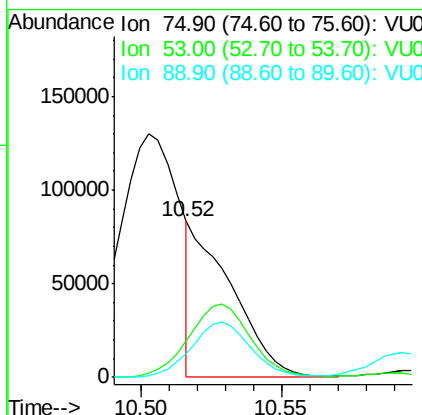
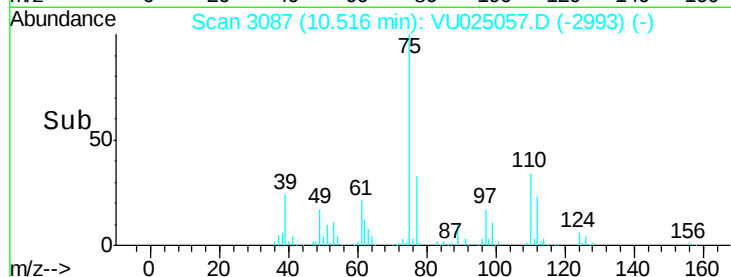
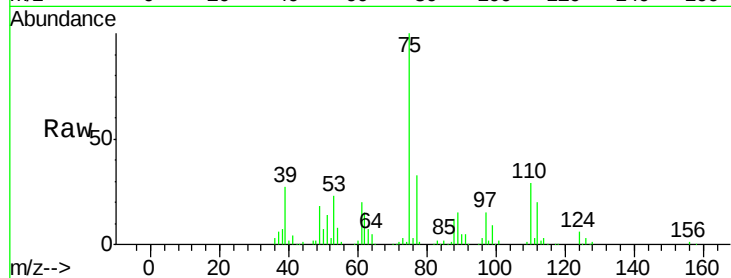
Instrument :
MSVOA_U

ClientSampleId :
WP021SB489-21-23-180622MS

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
6/29/2018 4:23:48 PM



#82

4-Chlorotoluene

Concen: 46.64 ug/l

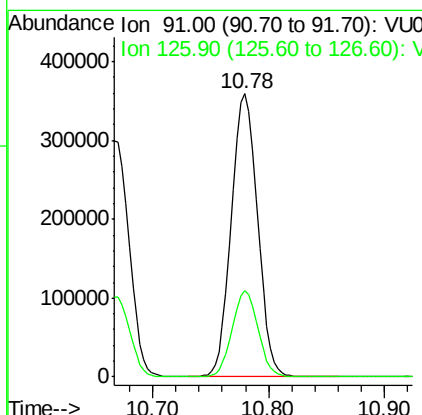
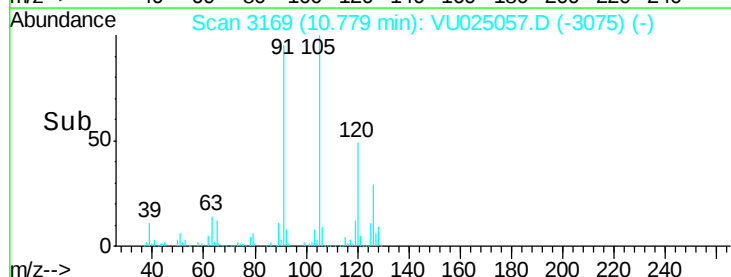
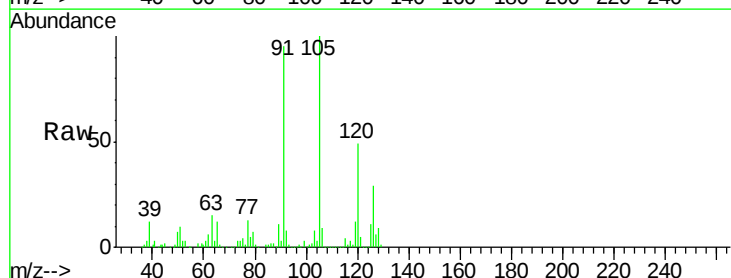
RT: 10.78 min Scan# 3169

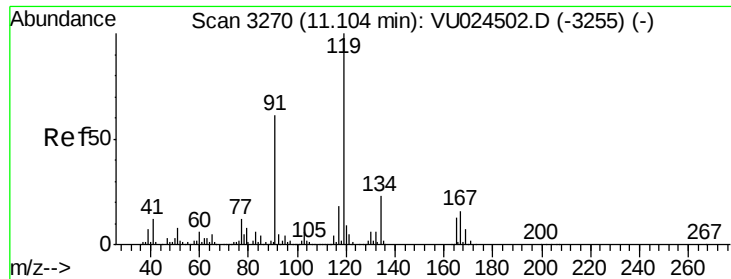
Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9





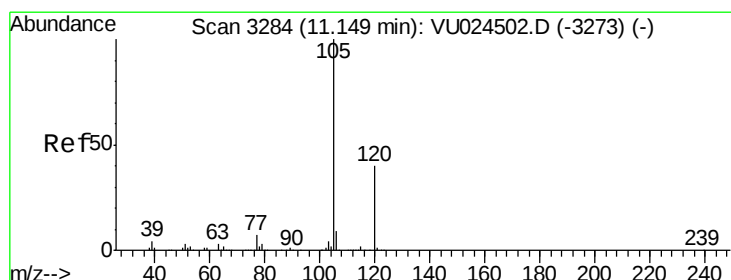
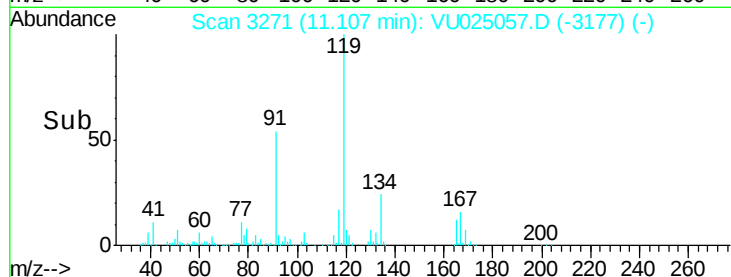
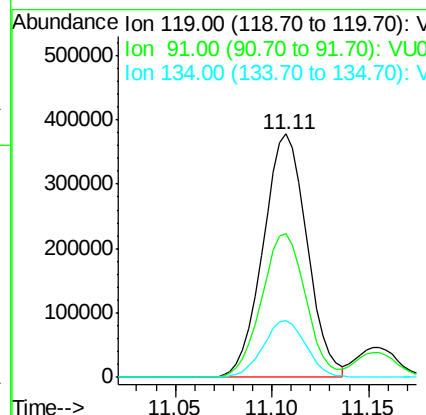
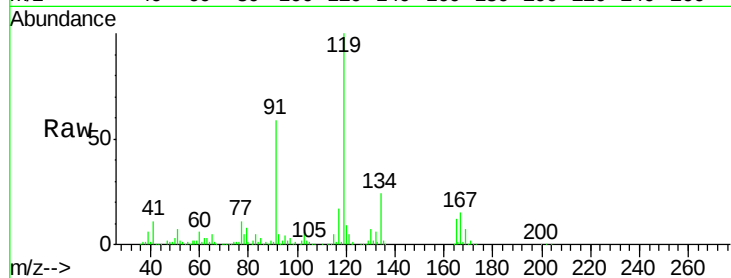
#83
 tert-Butylbenzene
 Concen: 48.34 ug/l
 RT: 11.11 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	596736		
91	59.5		29.7	89.1
134	23.0		11.6	34.7

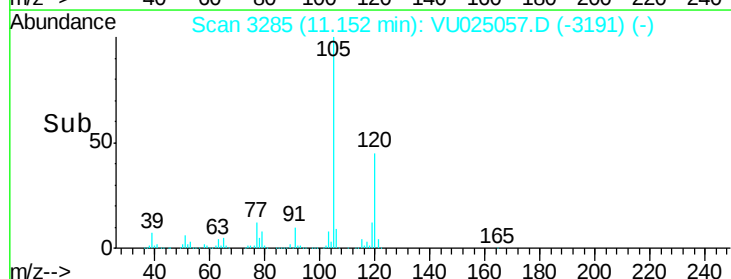
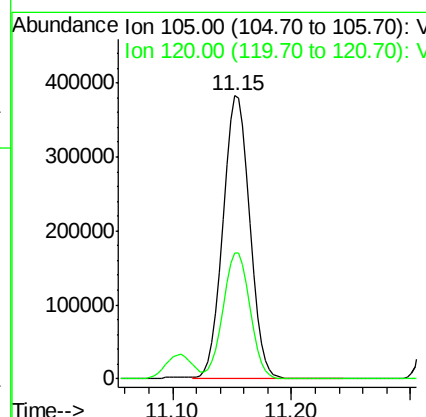
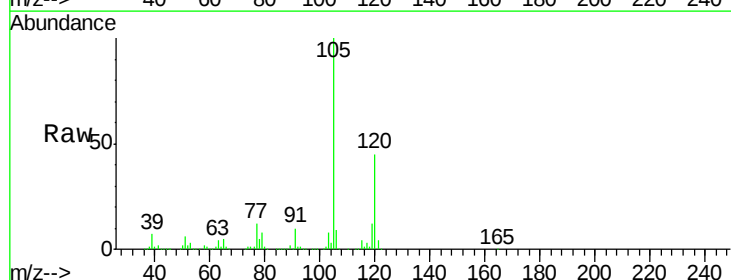
Manual Integrations
 APPROVED

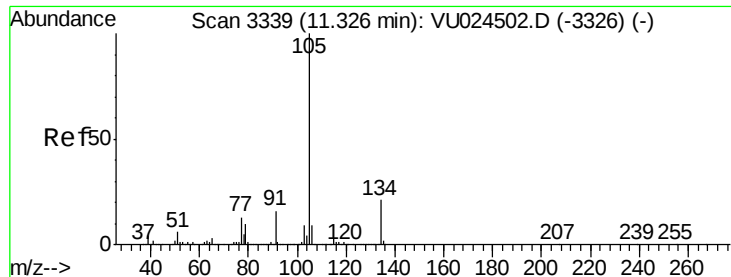
MMDadoda
 6/29/2018 4:23:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.67 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	597354		
120	44.8		22.6	67.8





#85

sec-Butylbenzene

Concen: 45.99 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:105 Resp: 710626

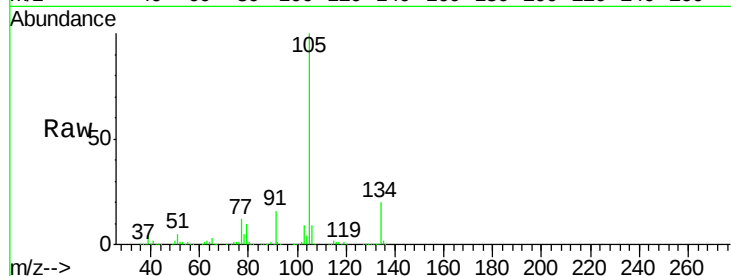
Ion Ratio Lower Upper

105 100

134 20.3 9.7 29.1

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

500000

400000

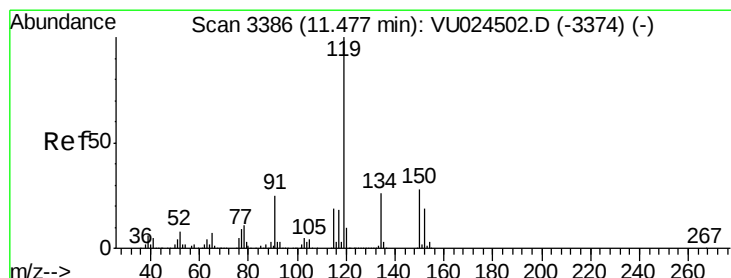
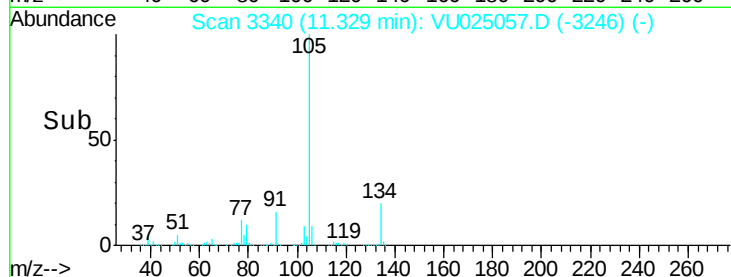
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 44.26 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

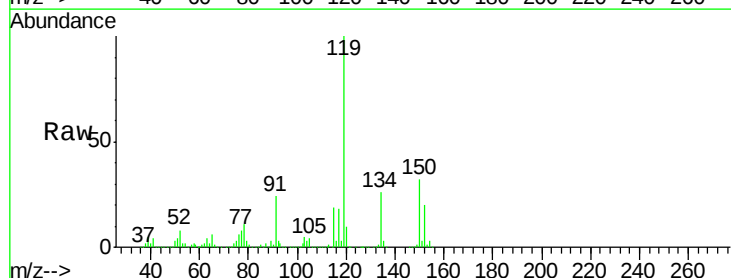
Tgt Ion:119 Resp: 612499

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 24.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

500000

400000

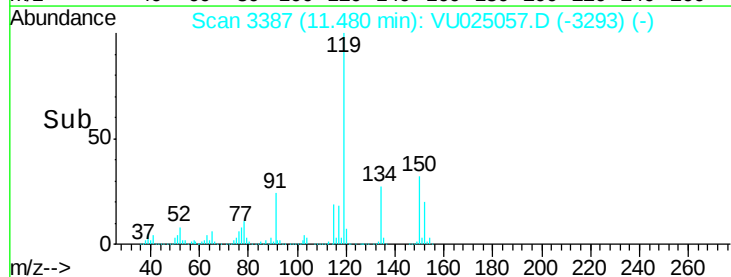
300000

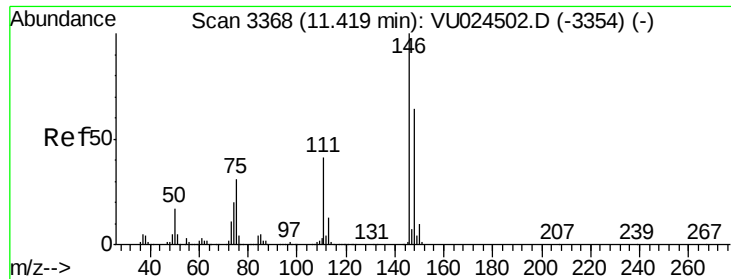
200000

100000

0

Time-->





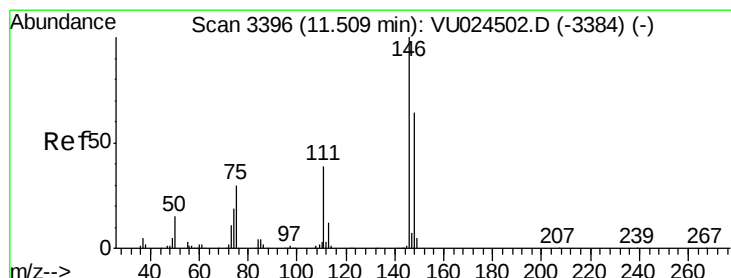
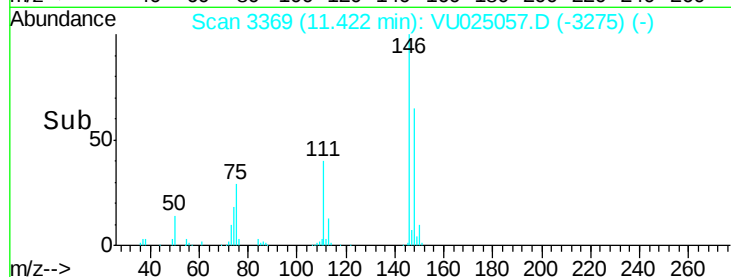
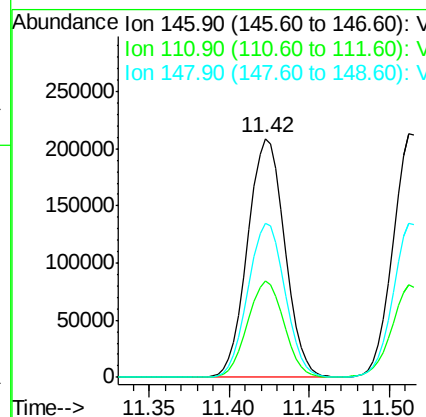
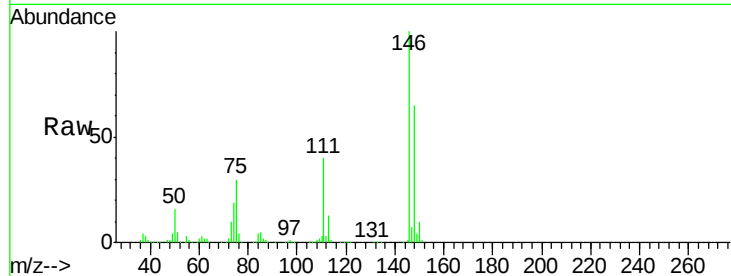
#87
 1,3-Dichlorobenzene
 Concen: 47.81 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.6	32.1	96.5

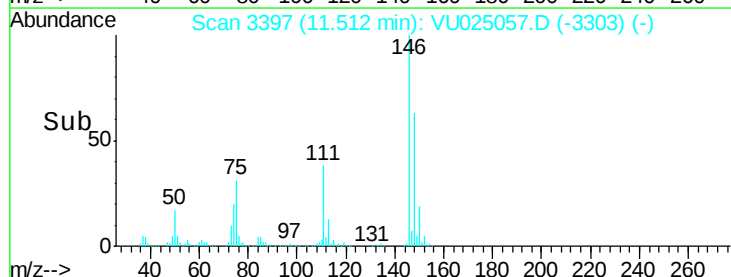
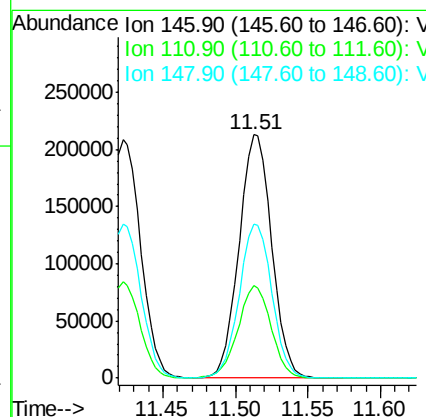
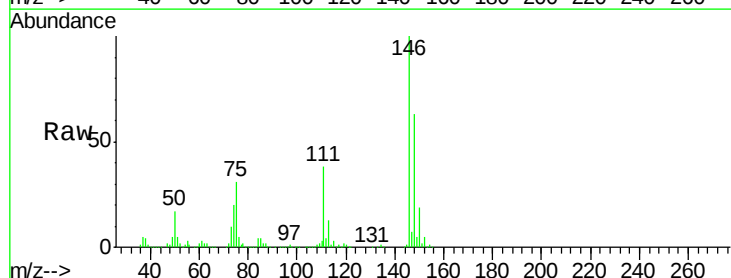
Manual Integrations
 APPROVED

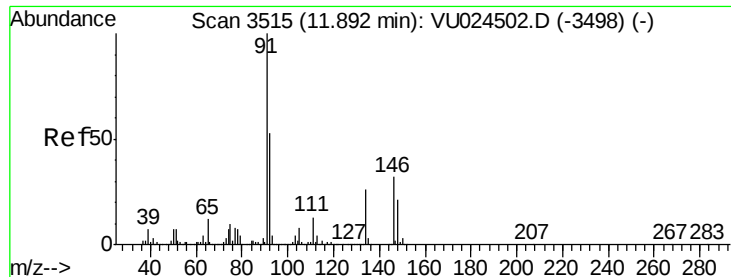
MMDadoda
 6/29/2018 4:23:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.76 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	63.2	32.4	97.0





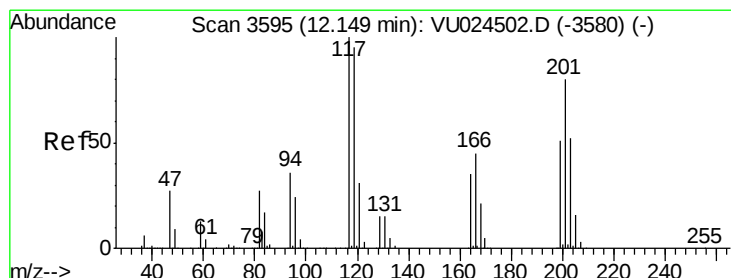
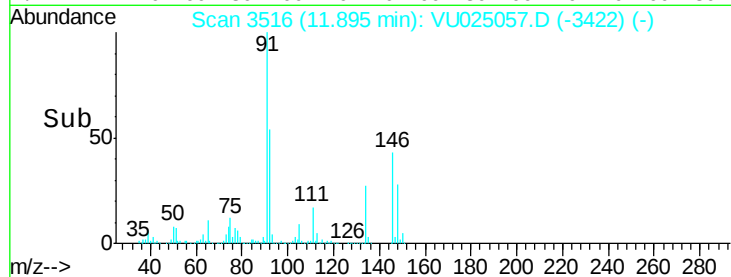
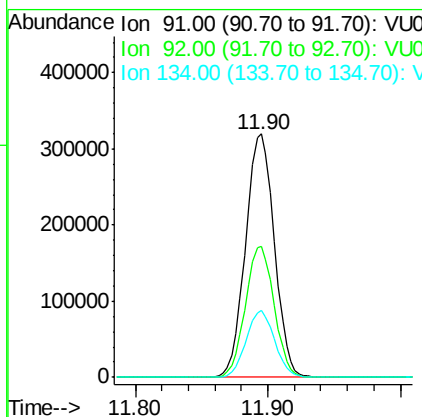
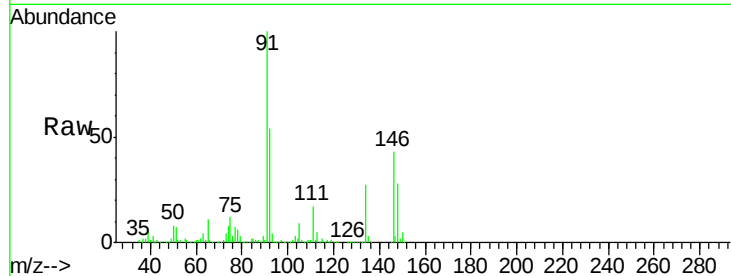
#89
n-Butylbenzene
Concen: 39.28 ug/l
RT: 11.90 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	25.6	76.8
134	27.1	12.3	36.8

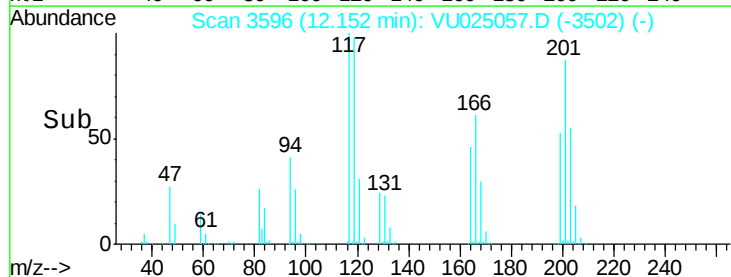
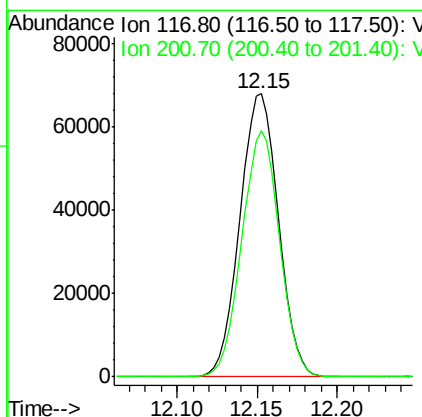
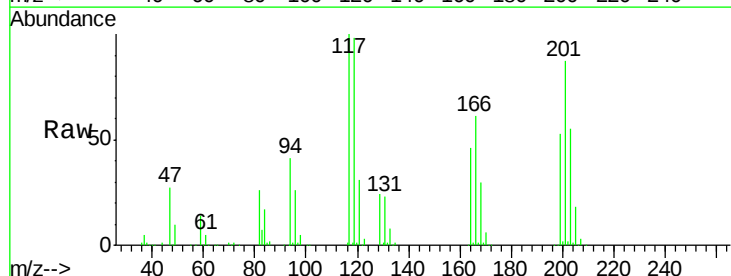
Manual Integrations
APPROVED

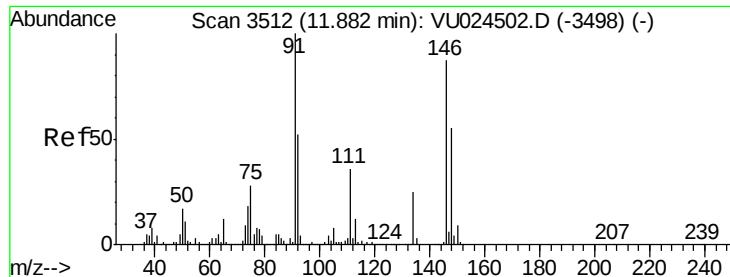
MMDadoda
6/29/2018 4:23:48 PM



#90
Hexachloroethane
Concen: 41.38 ug/l
RT: 12.15 min Scan# 3596
Delta R.T. 0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	41.1	123.3





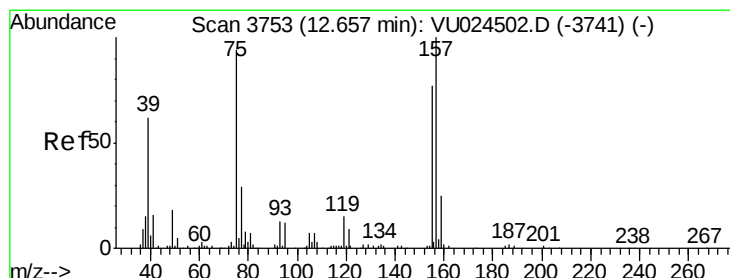
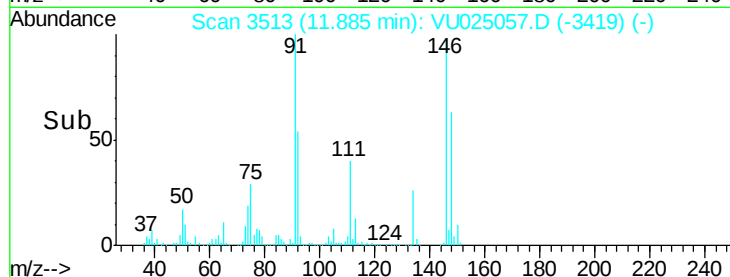
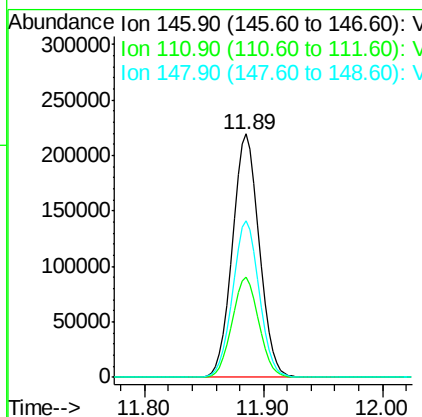
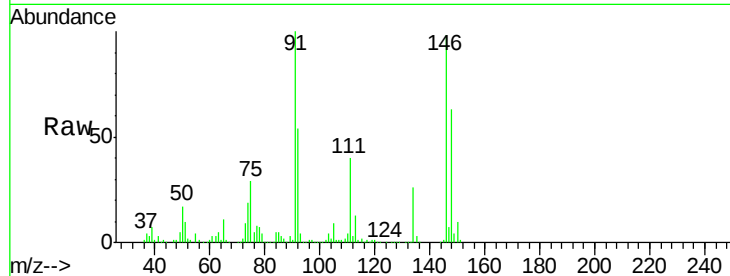
#91
 1,2-Dichlorobenzene
 Concen: 49.39 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-21-23-180622MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.5	61.6
148	63.8	31.9	95.7

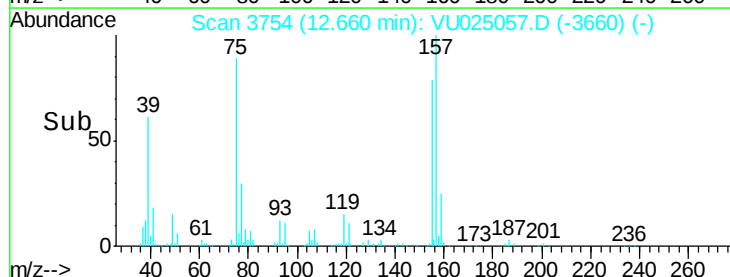
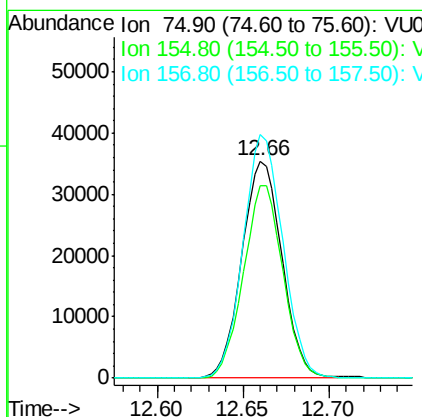
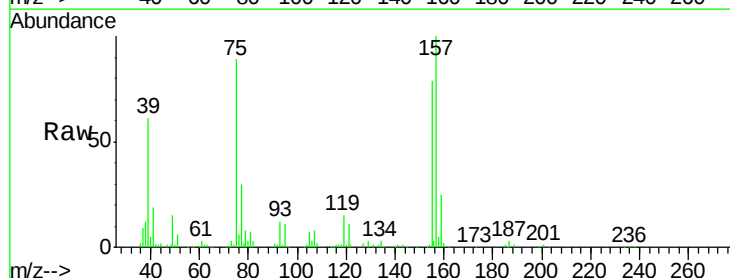
Manual Integrations
 APPROVED

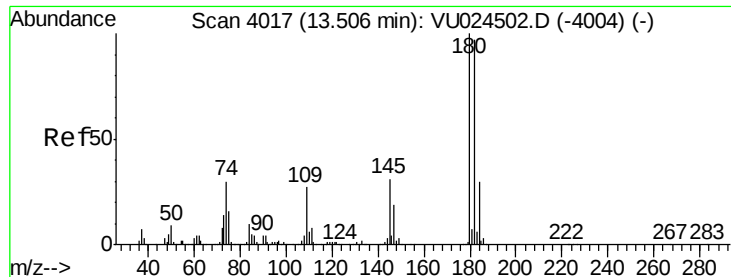
MMDadoda
 6/29/2018 4:23:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.98 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025057.D
 Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	40.4	121.2
157	110.8	52.3	156.8





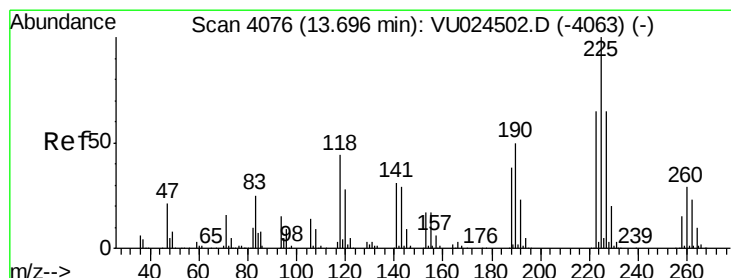
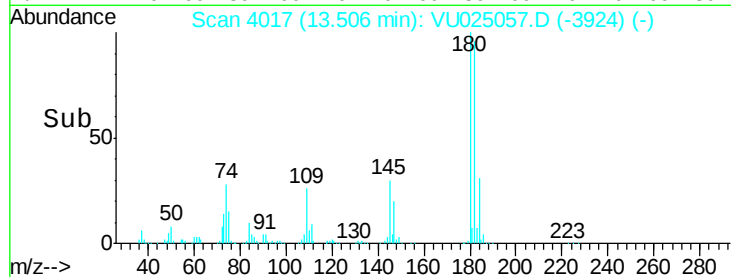
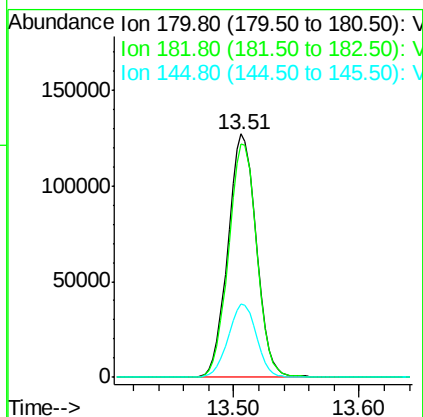
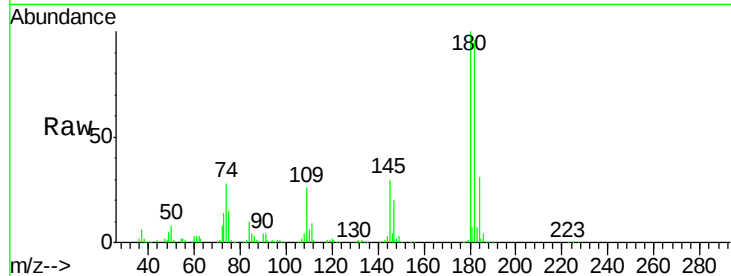
#93
1,2,4-Trichlorobenzene
Concen: 46.53 ug/l
RT: 13.51 min Scan# 4017
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-21-23-180622MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199295		
182	95.6	48.0	144.2	
145	30.1	14.7	44.1	

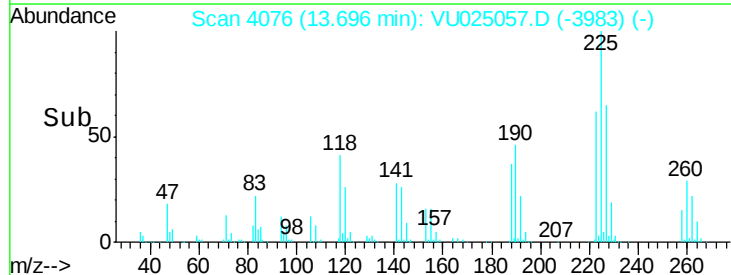
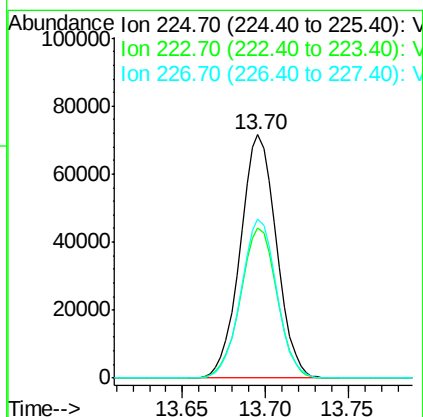
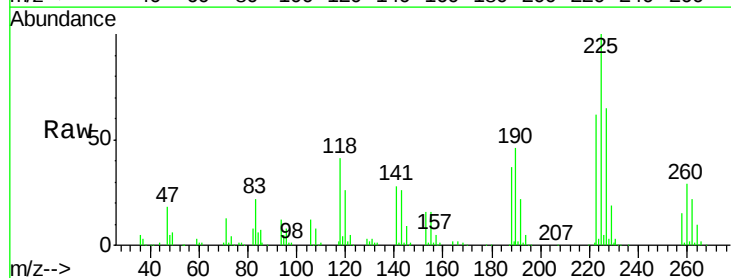
Manual Integrations
APPROVED

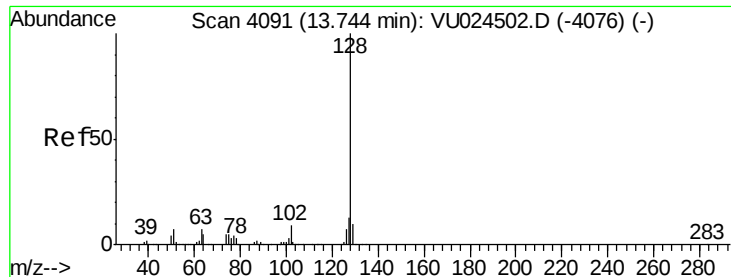
MMDadoda
6/29/2018 4:23:48 PM



#94
Hexachlorobutadiene
Concen: 44.99 ug/l
RT: 13.70 min Scan# 4076
Delta R.T. -0.00 min
Lab File: VU025057.D
Acq: 29 Jun 2018 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108464		
223	62.6	31.3	93.8	
227	64.4	31.8	95.4	





#95

Naphthalene

Concen: 45.77 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Instrument :

MSVOA_U

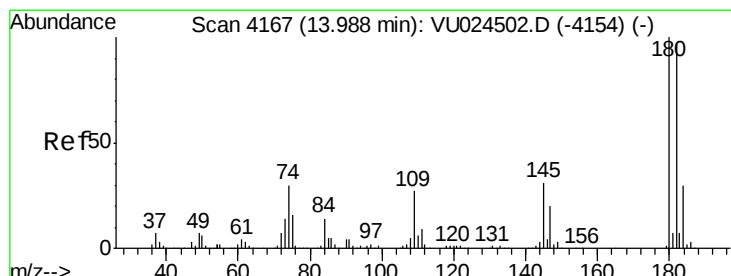
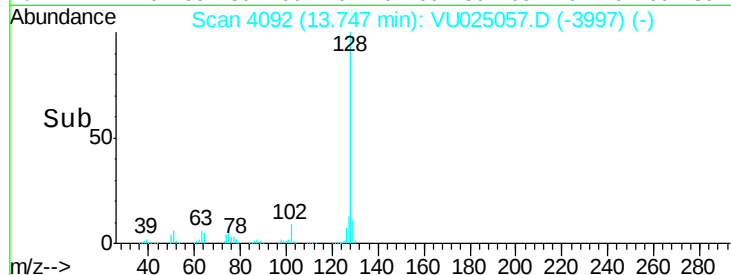
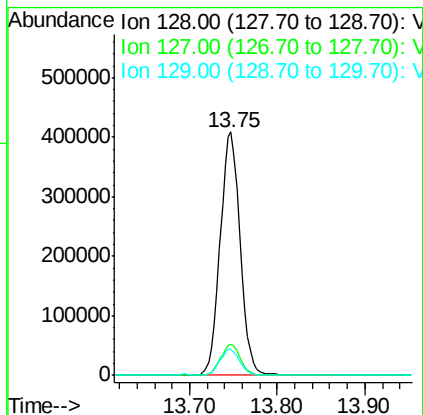
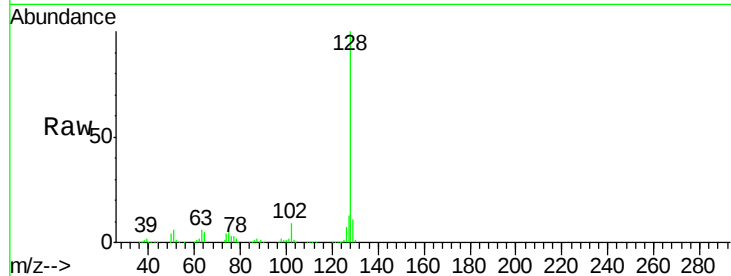
ClientSampleId :

WP021SB489-21-23-180622MS

Tot Ion:	128	Resp:	648286
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2018 4:23:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.79 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025057.D

Acq: 29 Jun 2018 06:49

Tgt Ion:	180	Resp:	208234
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	31.8	15.4	46.1

