

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024553.D
 Acq On : 14 Jun 2018 20:21
 Operator : MD/SY
 Sample : J3443-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:19:34 PM

Quant Time: Jun 15 05:05:41 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	165640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267523	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	130108	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.22%		
35) Dibromofluoromethane	4.89	113	113029	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.82%		
50) Toluene-d8	7.57	98	418542	51.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.36%		
62) 4-Bromofluorobenzene	10.31	95	166198	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.38%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	89344	43.093	ug/l	97
3) Chloromethane	1.33	50	98737	46.614	ug/l	99
4) Vinyl Chloride	1.40	62	109270	50.022	ug/l	98
5) Bromomethane	1.63	94	58303	55.212	ug/l	100
6) Chloroethane	1.70	64	66979	54.977	ug/l	99
7) Trichlorofluoromethane	1.89	101	161781	48.530	ug/l	98
8) Diethyl Ether	2.10	74	62026	54.856	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92695	44.820	ug/l	98
10) Methyl Iodide	2.41	142	67368	39.707	ug/l	98
11) Tert butyl alcohol	2.82	59	143622	218.382	ug/l	98
12) 1,1-Dichloroethene	2.28	96	90193	47.821	ug/l	94
13) Acrolein	2.19	56	74430	215.517	ug/l	100
14) Allyl chloride	2.60	41	156398	44.661	ug/l	94
15) Acrylonitrile	2.94	53	325433	254.332	ug/l	98
16) Acetone	2.32	43	263174	181.135	ug/l	98
17) Carbon Disulfide	2.48	76	283423	46.930	ug/l	99
18) Methyl Acetate	2.62	43	142488	45.746	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	334788	47.222	ug/l	96
20) Methylene Chloride	2.70	84	107257	47.048	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	101977	49.091	ug/l	95
22) Diisopropyl ether	3.57	45	339046	48.840	ug/l	95
23) Vinyl Acetate	3.53	43	1440952	231.717	ug/l	99
24) 1,1-Dichloroethane	3.45	63	192042	48.088	ug/l	99
25) 2-Butanone	4.26	43	455990	233.650	ug/l	98
26) 2,2-Dichloropropane	4.23	77	152229	40.144	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	117888	49.363	ug/l	95
28) Bromochloromethane	4.55	49	91438	51.983	ug/l	87
29) Tetrahydrofuran	4.64	42	301443	249.424	ug/l	98
30) Chloroform	4.68	83	194671	48.161	ug/l	99
31) Cyclohexane	5.00	56	176034	49.623	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	173446	46.403	ug/l	95
36) 1,1-Dichloropropene	5.14	75	145194	46.187	ug/l	97
37) Ethyl Acetate	4.38	43	160717	46.907	ug/l #	96
38) Carbon Tetrachloride	5.14	117	161131	46.611	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024553.D
 Acq On : 14 Jun 2018 20:21
 Operator : MD/SY
 Sample : J3443-05MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:19:34 PM

Quant Time: Jun 15 05:05:41 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	6.42	83	180038	45.893	ug/l	94
40) Benzene	5.39	78	427754	47.753	ug/l	99
41) Methacrylonitrile	4.54	41	94410	51.106	ug/l	97
42) 1,2-Dichloroethane	5.41	62	154180	45.193	ug/l	97
43) Isopropyl Acetate	5.55	43	272697	46.044	ug/l	98
44) Trichloroethene	6.19	130	119081	46.711	ug/l	94
45) 1,2-Dichloropropane	6.44	63	117619	49.211	ug/l	98
46) Dibromomethane	6.56	93	82656	49.235	ug/l	95
47) Bromodichloromethane	6.76	83	158783	47.497	ug/l	98
48) Methyl methacrylate	6.63	41	137795	47.781	ug/l	99
49) 1,4-Dioxane	6.61	88	50915	902.772	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	913935	245.627	ug/l	98
52) Toluene	7.64	92	275606	47.824	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	177613	47.310	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	187461	46.861	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	110775	47.288	ug/l	99
56) Ethyl methacrylate	8.02	69	190217	48.514	ug/l	100
57) 1,3-Dichloropropane	8.25	76	191727	48.517	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	655	0.436	ug/l #	50
59) 2-Hexanone	8.36	43	715576	235.565	ug/l	99
60) Dibromochloromethane	8.48	129	137830	47.183	ug/l	100
61) 1,2-Dibromoethane	8.59	107	126106	48.365	ug/l	99
64) Tetrachloroethene	8.23	164	99537	39.822	ug/l	99
65) Chlorobenzene	9.12	112	315788	47.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	118652	46.490	ug/l	98
67) Ethyl Benzene	9.25	91	541866	46.011	ug/l	98
68) m/p-Xylenes	9.38	106	420043	92.883	ug/l	98
69) o-Xylene	9.78	106	209400	46.788	ug/l	95
70) Styrene	9.80	104	347051	47.187	ug/l	99
71) Bromoform	9.96	173	113814	46.917	ug/l #	100
73) Isopropylbenzene	10.17	105	552607	45.391	ug/l	99
74) N-amyl acetate	10.01	43	253931	43.851	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	194933	47.781	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	159879m	45.795	ug/l	
77) Bromobenzene	10.45	156	143431	46.536	ug/l	96
78) n-propylbenzene	10.59	91	654631	45.646	ug/l	97
79) 2-Chlorotoluene	10.66	91	381441	45.102	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	477057	45.210	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.52	75	53591m	35.527	ug/l	
82) 4-Chlorotoluene	10.78	91	452365	45.956	ug/l	99
83) tert-Butylbenzene	11.10	119	473326	46.631	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	484729	45.076	ug/l	98
85) sec-Butylbenzene	11.33	105	579119	45.580	ug/l	97
86) p-Isopropyltoluene	11.48	119	511829	44.979	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	263179	46.219	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	265267	46.284	ug/l	100
89) n-Butylbenzene	11.89	91	470145	46.537	ug/l	97
90) Hexachloroethane	12.15	117	98085	44.186	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	262506	46.026	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51075	45.372	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024553.D
Acq On : 14 Jun 2018 20:21
Operator : MD/SY
Sample : J3443-05MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

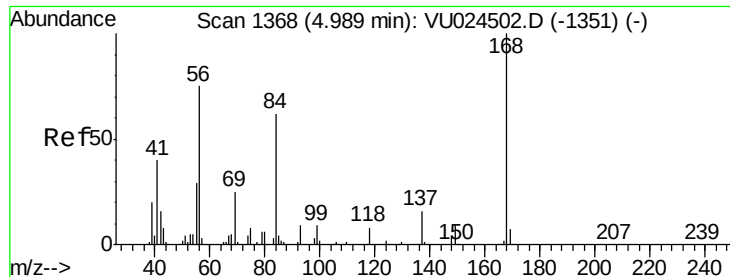
Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM

Quant Time: Jun 15 05:05:41 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	186314	52.900	ug/l	99
94) Hexachlorobutadiene	13.70	225	86157	43.461	ug/l	99
95) Naphthalene	13.74	128	583868	50.075	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	188932	53.835	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:168 Resp: 165640

Ion Ratio Lower Upper

168 100

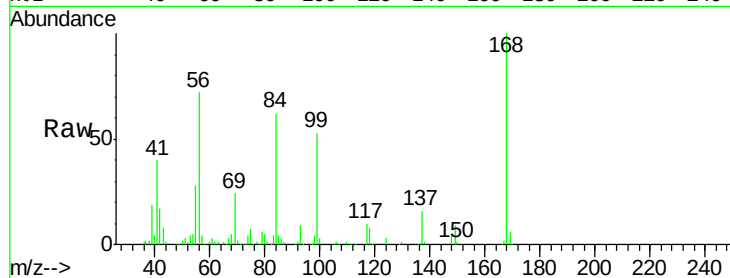
99 52.4 43.2 64.8

Manual Integrations

APPROVED

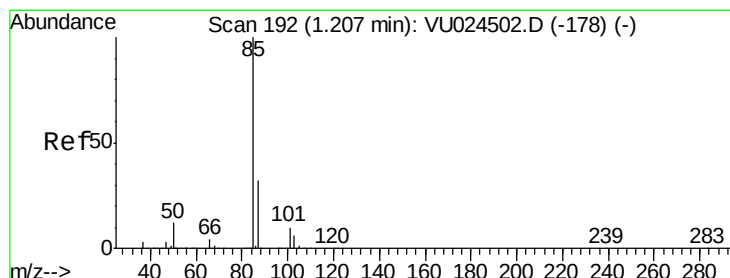
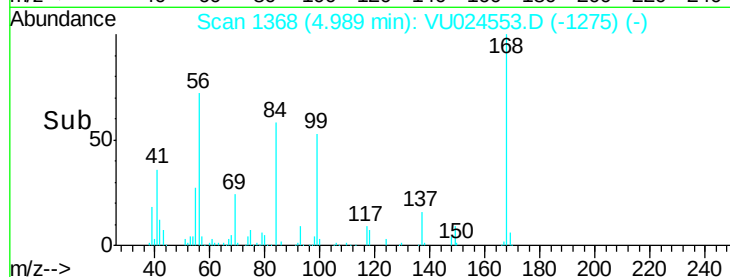
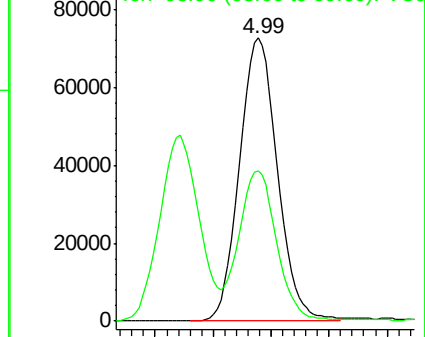
apatel

6/15/2018 3:19:34 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 43.093 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024553.D

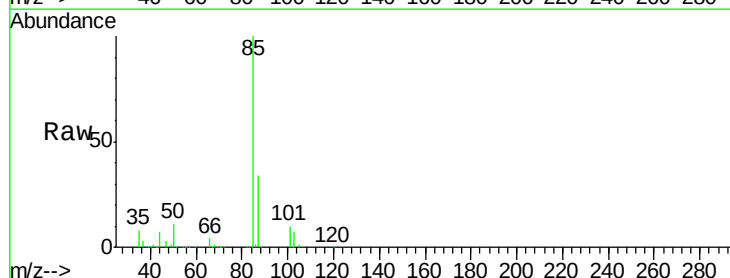
Acq: 14 Jun 2018 20:21

Tgt Ion: 85 Resp: 89344

Ion Ratio Lower Upper

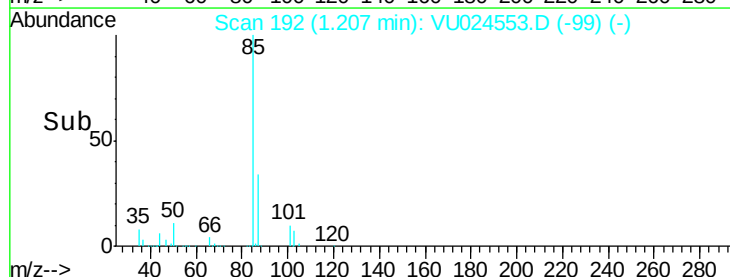
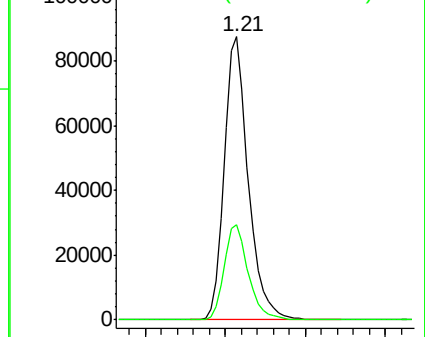
85 100

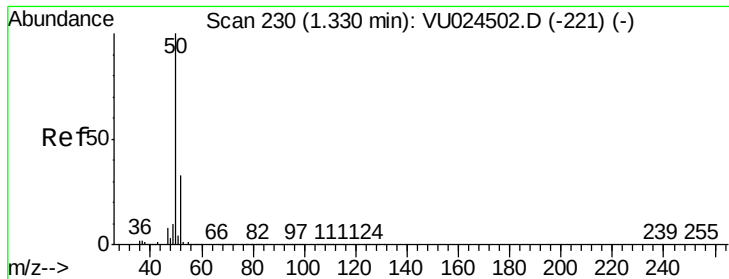
87 33.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 46.614 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 50 Resp: 98737

Ion Ratio Lower Upper

50 100

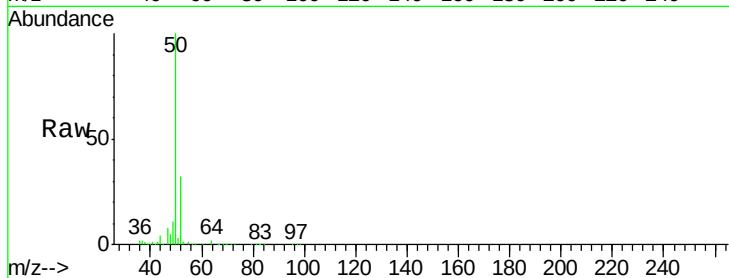
52 32.5 26.4 39.6

Manual Integrations

APPROVED

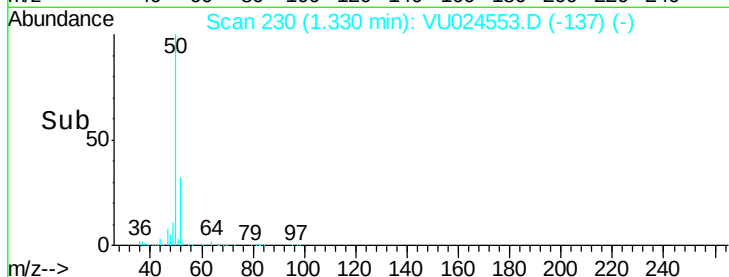
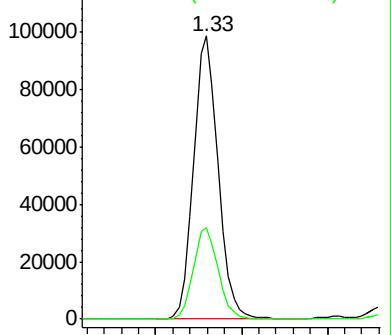
apatel

6/15/2018 3:19:34 PM

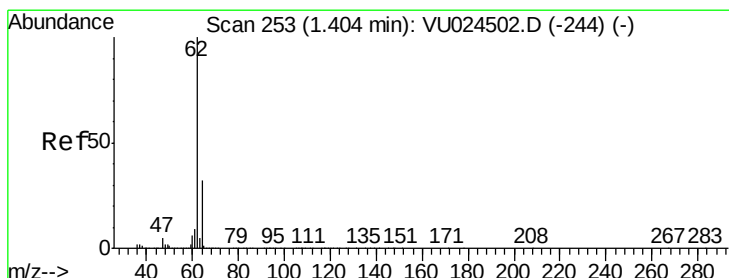


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 50.022 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024553.D

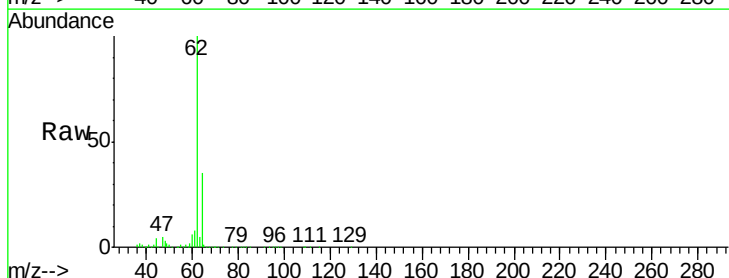
Acq: 14 Jun 2018 20:21

Tgt Ion: 62 Resp: 109270

Ion Ratio Lower Upper

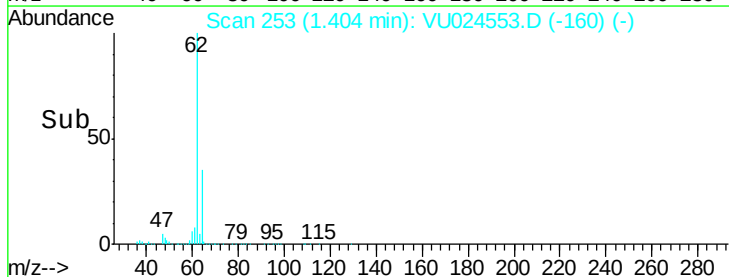
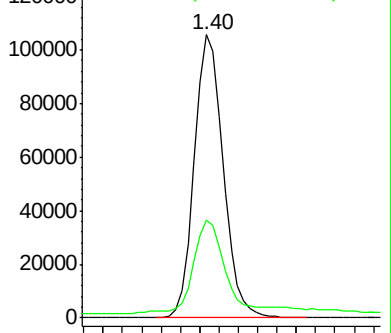
62 100

64 32.2 24.8 37.2

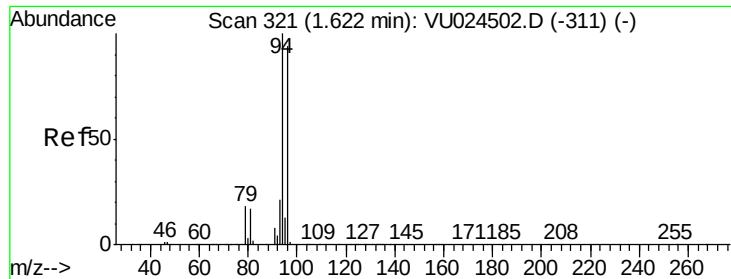


Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->



#5

Bromomethane

Concen: 55.212 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 94 Resp: 58303

Ion Ratio Lower Upper

94 100

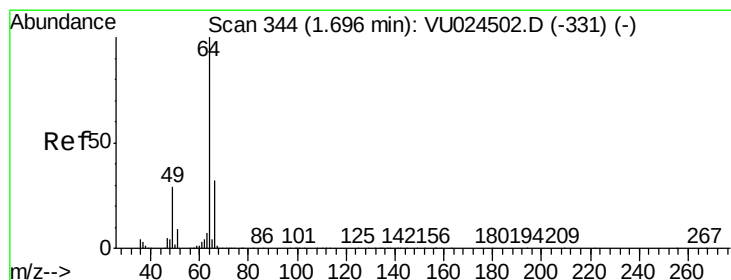
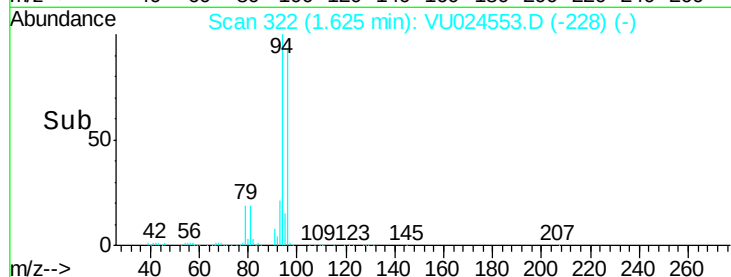
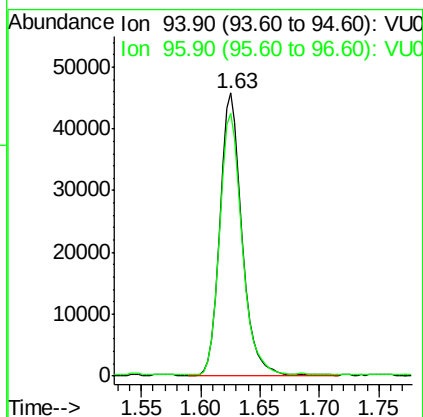
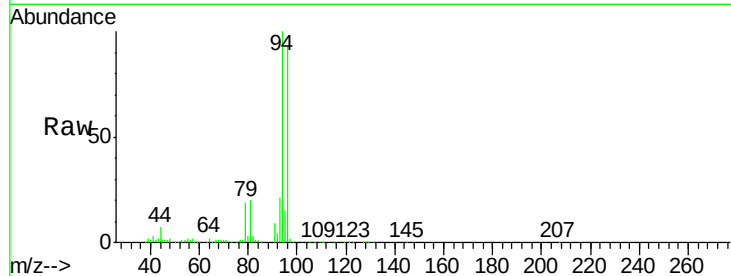
96 92.8 74.5 111.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#6

Chloroethane

Concen: 54.977 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024553.D

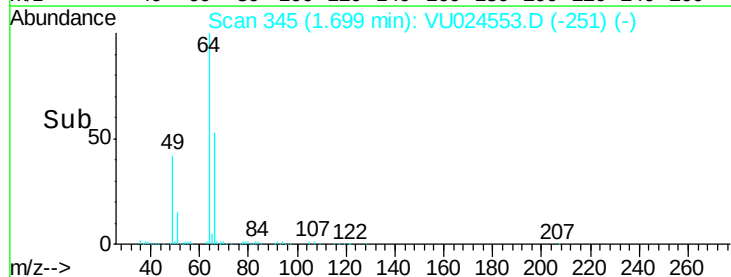
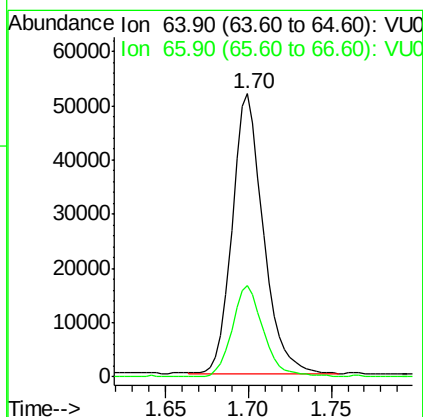
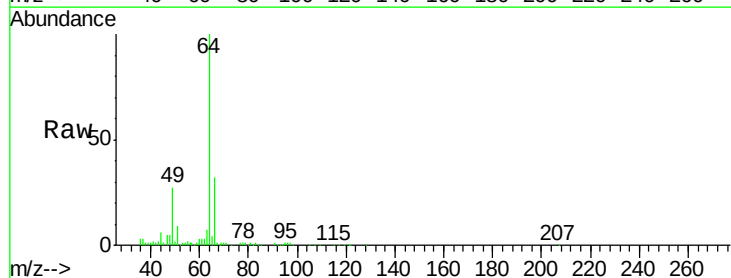
Acq: 14 Jun 2018 20:21

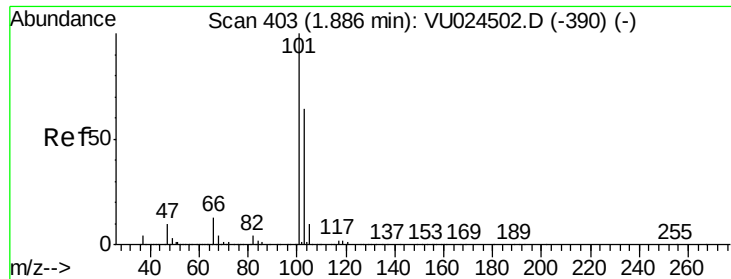
Tgt Ion: 64 Resp: 66979

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3





#7

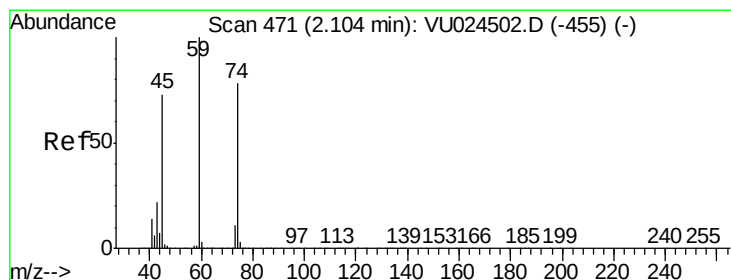
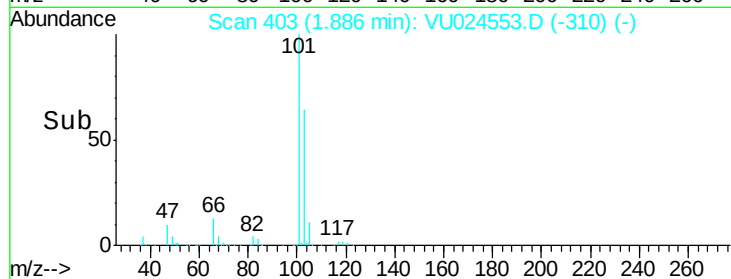
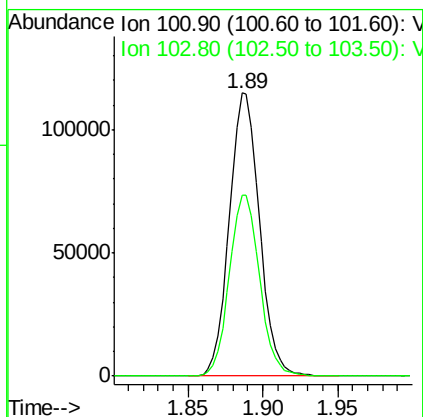
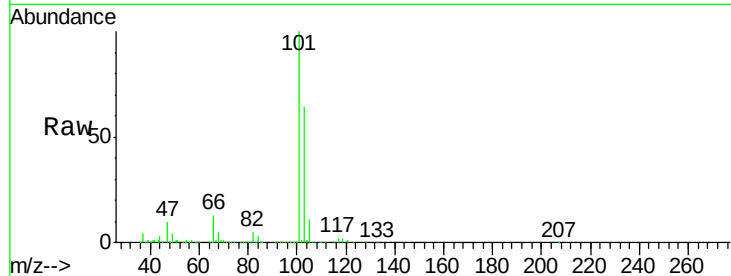
Trichlorofluoromethane
 Concen: 48.530 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

Manual Integrations
 APPROVED

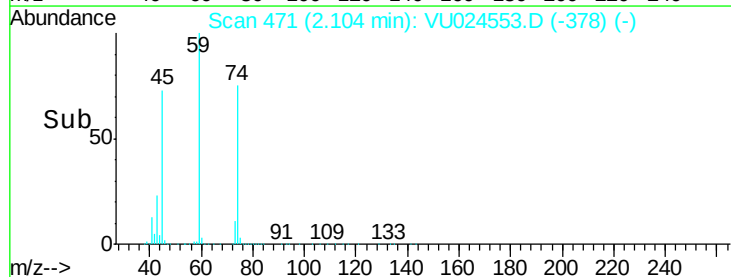
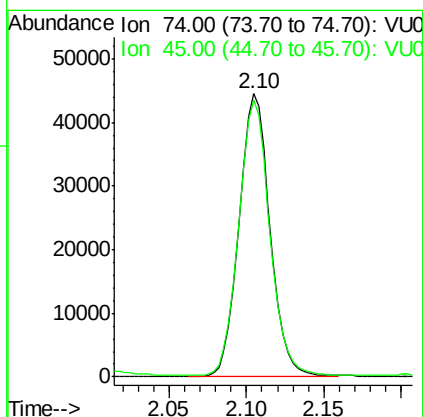
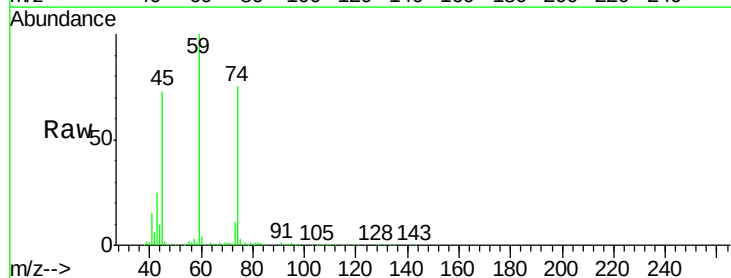
apatel
 6/15/2018 3:19:34 PM

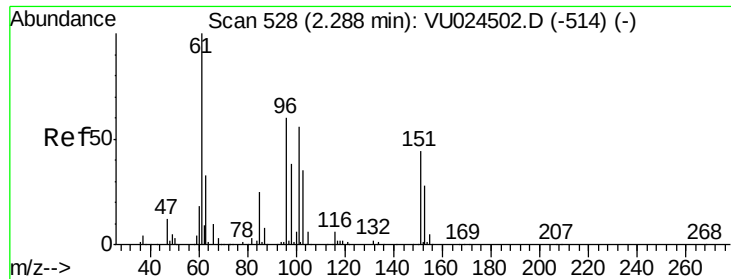


#8

Diethyl Ether
 Concen: 54.856 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	55.0	165.0





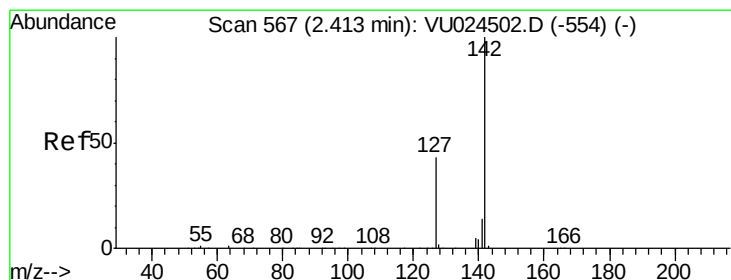
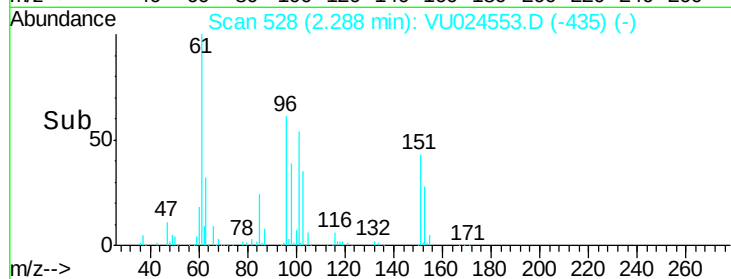
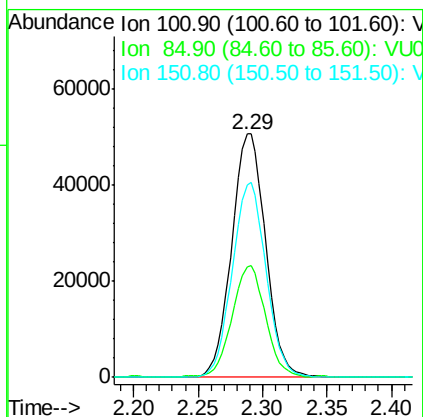
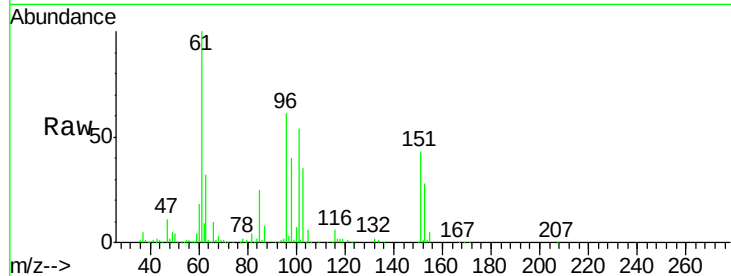
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.820 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	92695		
85	44.5	36.0	54.0	
151	79.7	62.3	93.5	

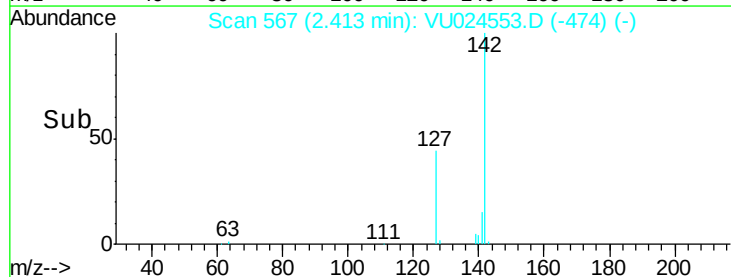
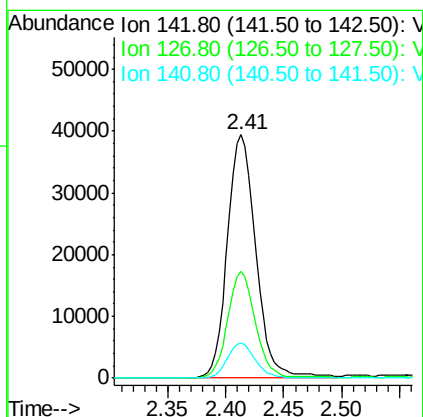
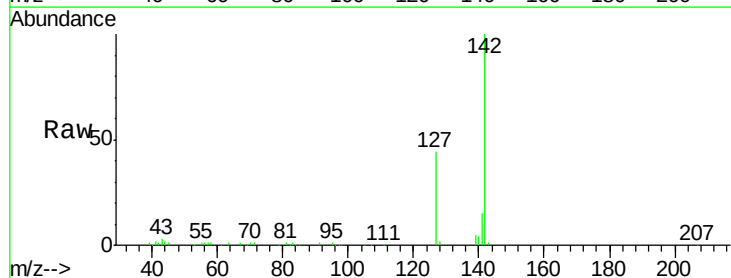
Manual Integrations
 APPROVED

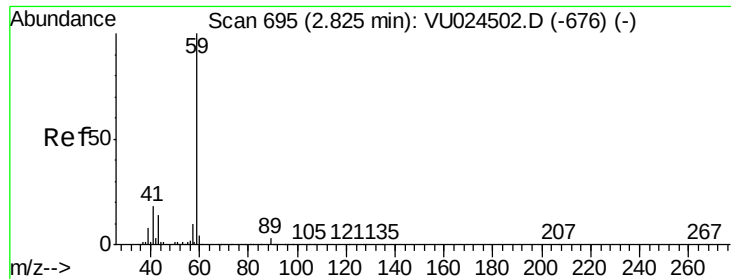
apatel
 6/15/2018 3:19:34 PM



#10
 Methyl Iodide
 Concen: 39.707 ug/l
 RT: 2.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	67368		
127	42.8	35.6	53.4	
141	14.0	11.7	17.5	





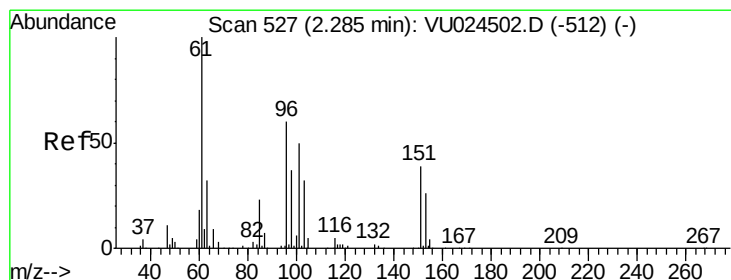
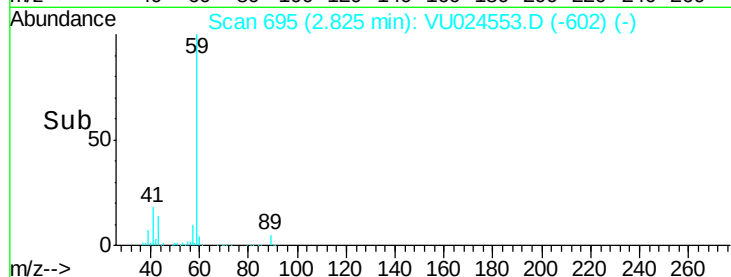
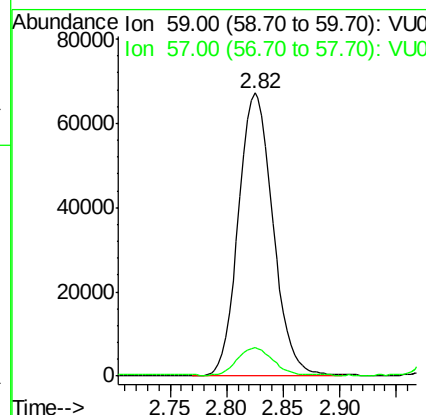
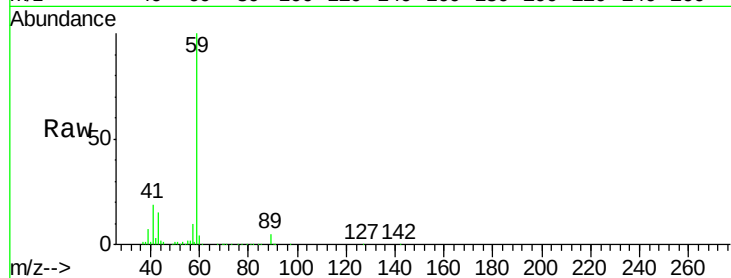
#11
Tert butyl alcohol
Concen: 218.382 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

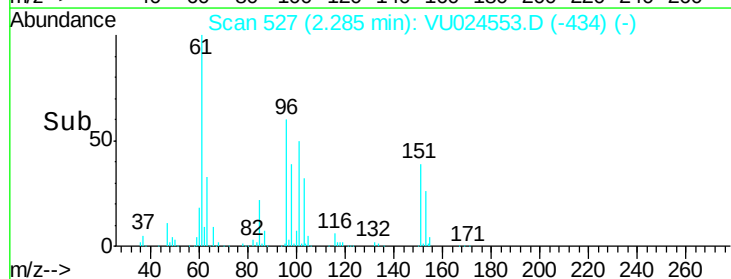
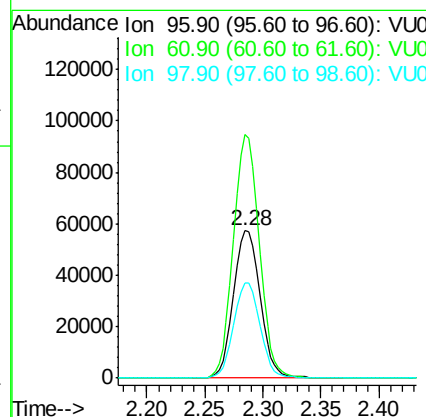
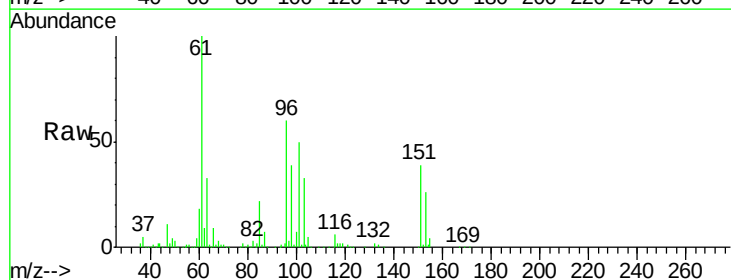
Manual Integrations
APPROVED

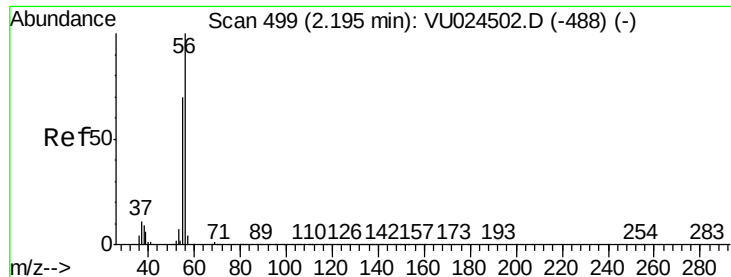
apatel
6/15/2018 3:19:34 PM



#12
1,1-Dichloroethene
Concen: 47.821 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	141.7	212.5
98	64.1	51.6	77.4





#13

Acrolein

Concen: 215.517 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 56 Resp: 74430

Ion Ratio Lower Upper

56 100

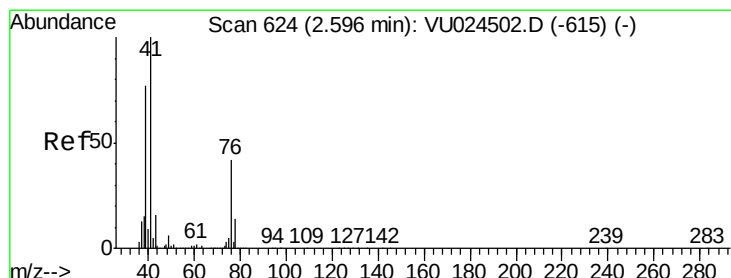
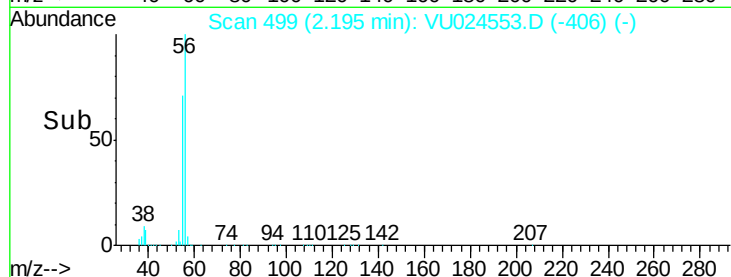
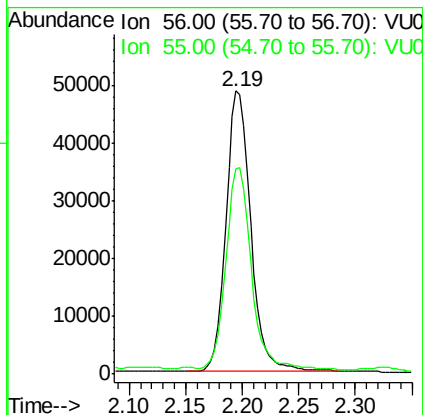
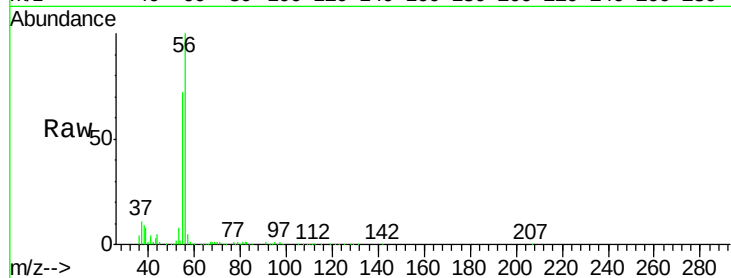
55 72.9 58.4 87.6

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#14

Allyl chloride

Concen: 44.661 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

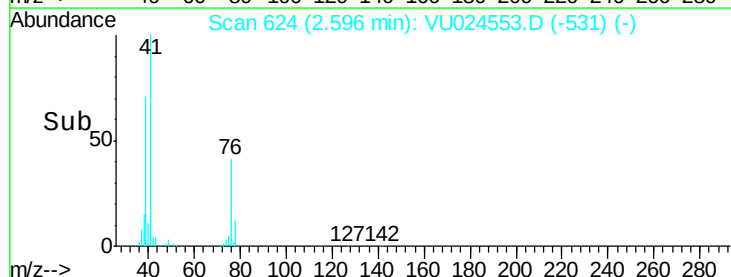
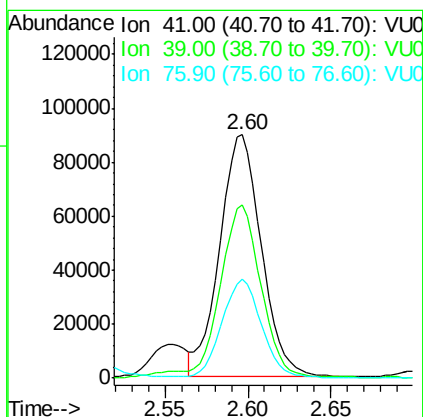
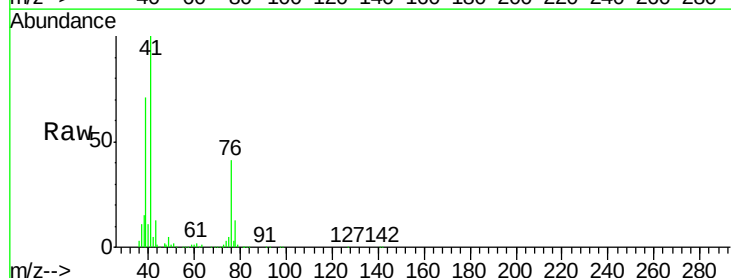
Tgt Ion: 41 Resp: 156398

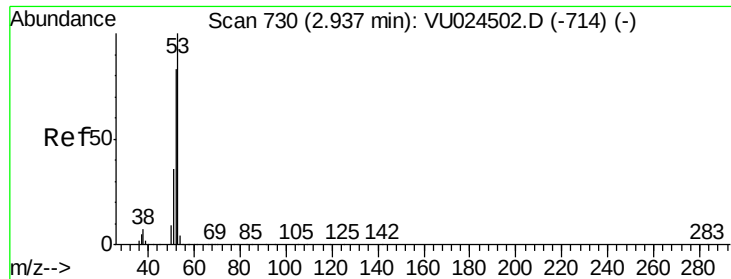
Ion Ratio Lower Upper

41 100

39 70.9 61.6 92.4

76 39.0 29.7 44.5





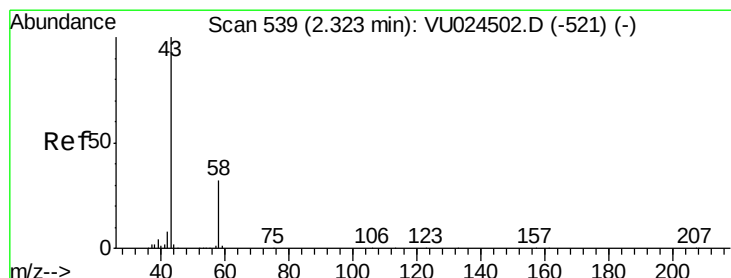
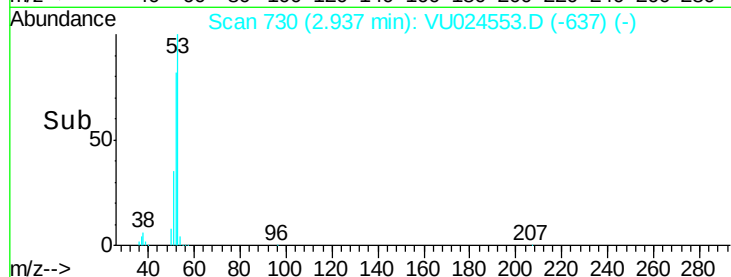
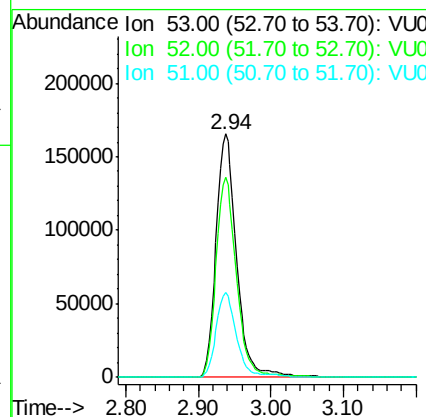
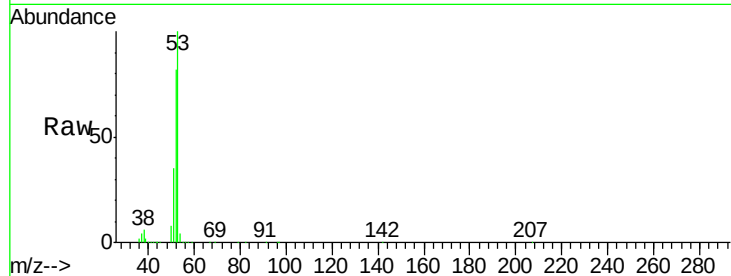
#15
 Acrylonitrile
 Concen: 254.332 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion:	53	Resp:	325433
Ion	Ratio	Lower	Upper
53	100		
52	81.7	67.1	100.7
51	35.2	28.4	42.6

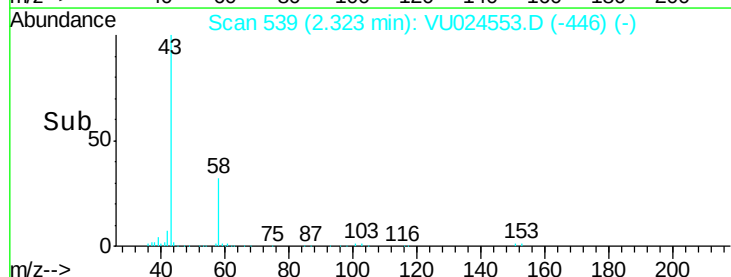
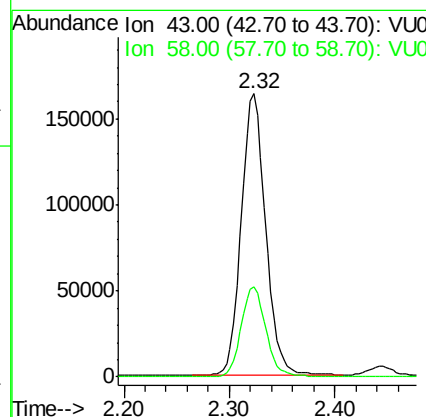
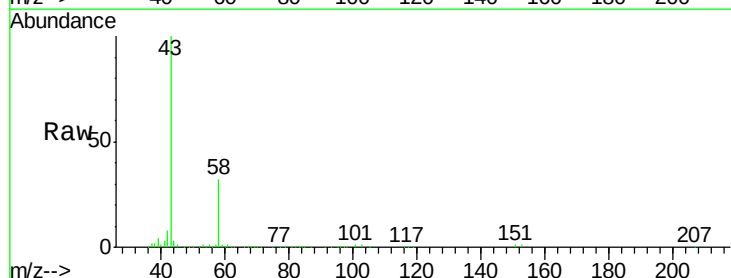
Manual Integrations
 APPROVED

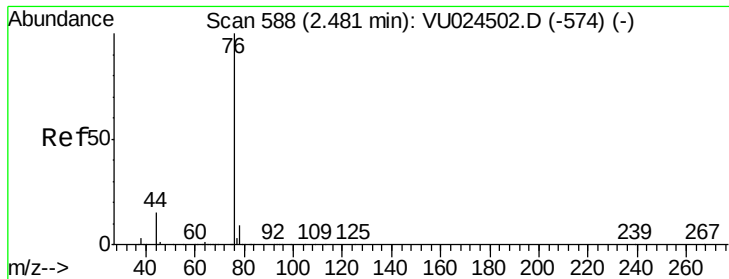
apatel
 6/15/2018 3:19:34 PM



#16
 Acetone
 Concen: 181.135 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion:	43	Resp:	263174
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.4	36.6





#17

Carbon Disulfide

Concen: 46.930 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 76 Resp: 283423

Ion Ratio Lower Upper

76 100

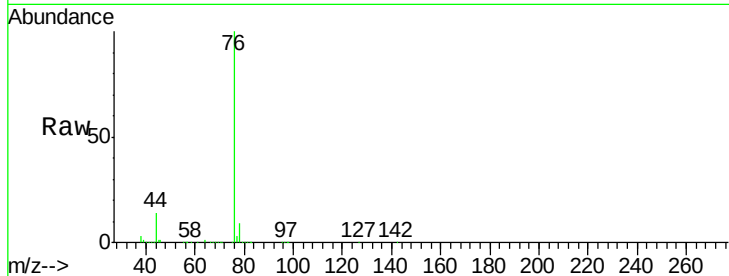
78 9.4 7.1 10.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

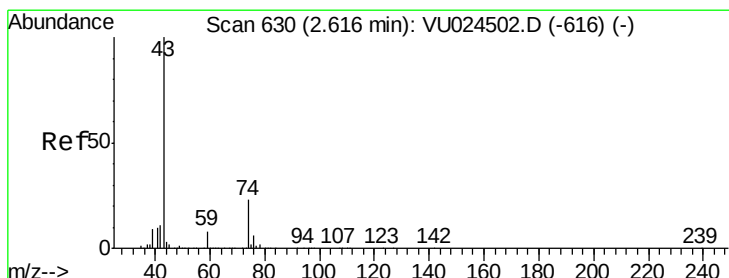
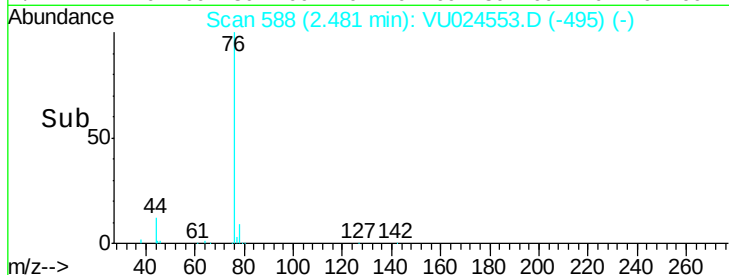
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.746 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024553.D

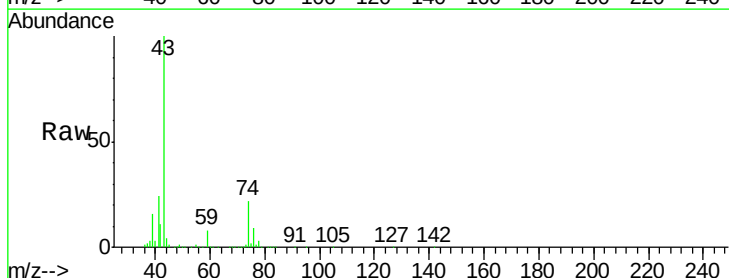
Acq: 14 Jun 2018 20:21

Tgt Ion: 43 Resp: 142488

Ion Ratio Lower Upper

43 100

74 23.2 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

100000

80000

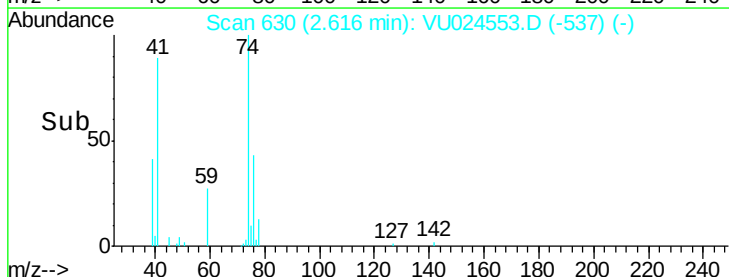
60000

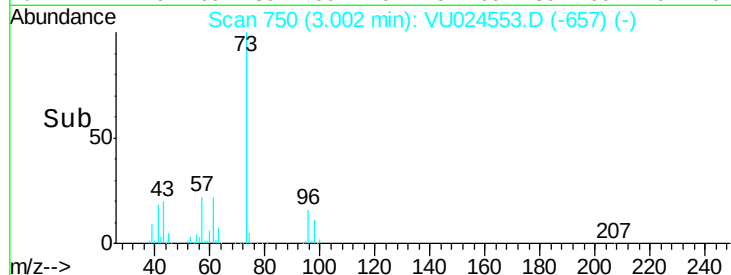
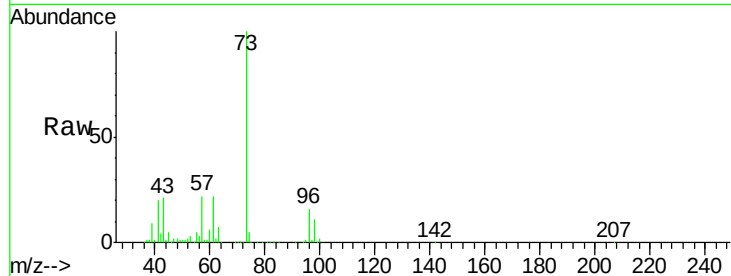
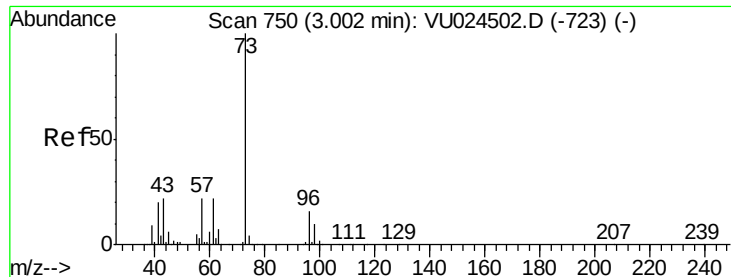
40000

20000

0

Time-->





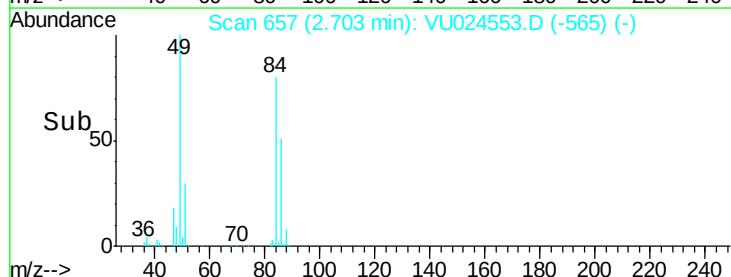
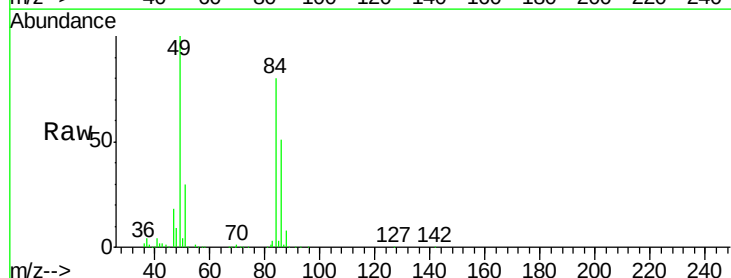
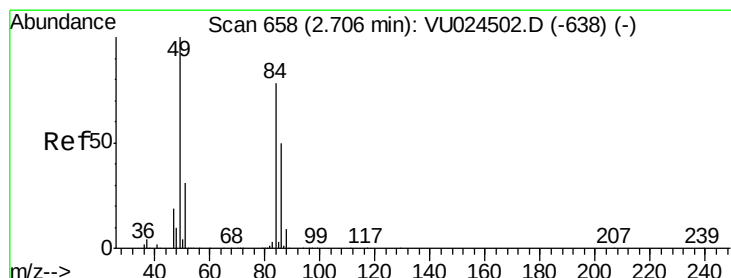
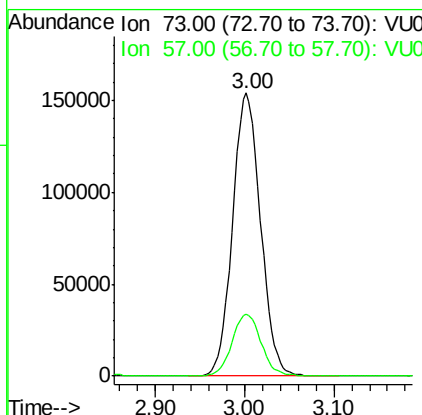
#19
Methyl tert-butyl Ether
Concen: 47.222 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tot Ion	73	Resp	334788
Ion Ratio	100	Lower	Upper
73	100		
57	21.6	18.8	28.2

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

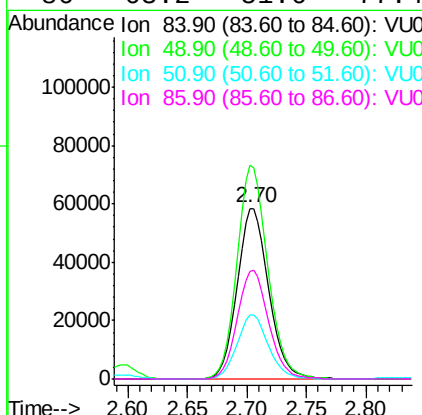
Manual Integrations
APPROVED

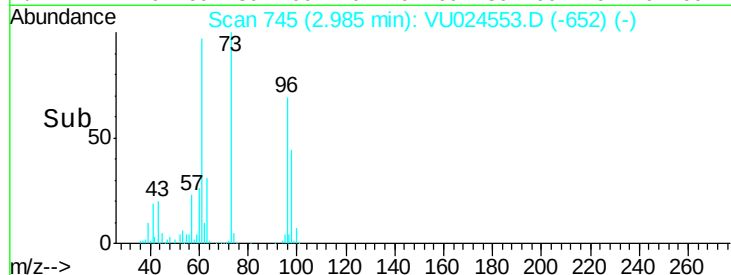
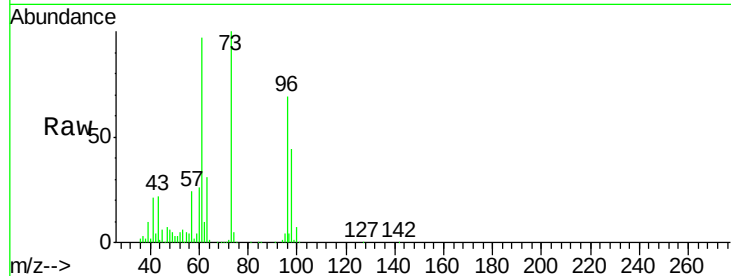
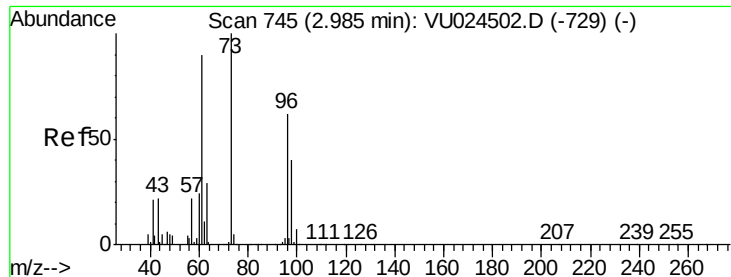
apatel
6/15/2018 3:19:34 PM



#20
Methylene Chloride
Concen: 47.048 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	84	Resp	107257
Ion Ratio	100	Lower	Upper
84	100		
49	125.2	103.8	155.8
51	37.7	32.0	48.0
86	63.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 49.091 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024553.D

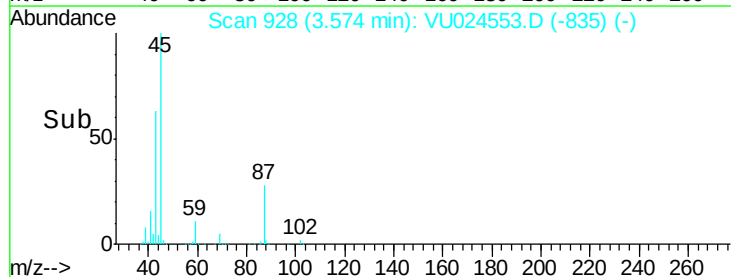
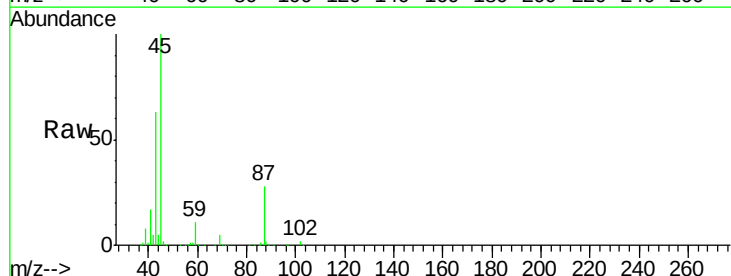
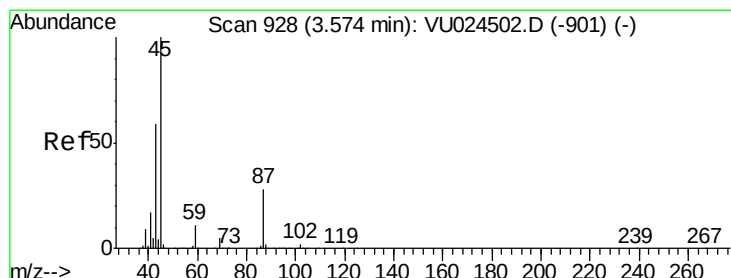
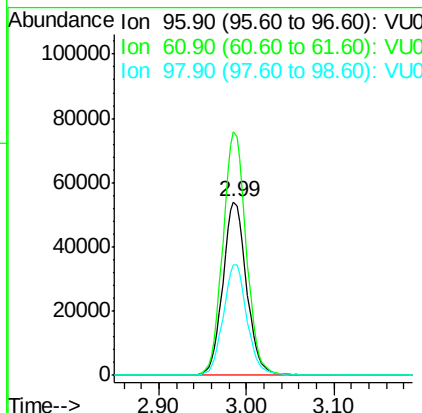
Acq: 14 Jun 2018 20:21

Tot Ion:	96	Resp:	101977
Ion Ratio	Lower	Upper	
96	100		
61	140.5	119.4	179.0
98	63.8	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#22

Diisopropyl ether

Concen: 48.840 ug/l

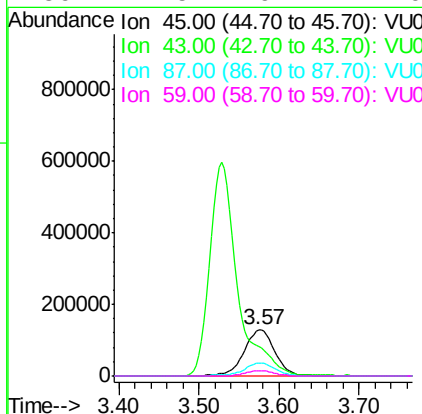
RT: 3.57 min Scan# 928

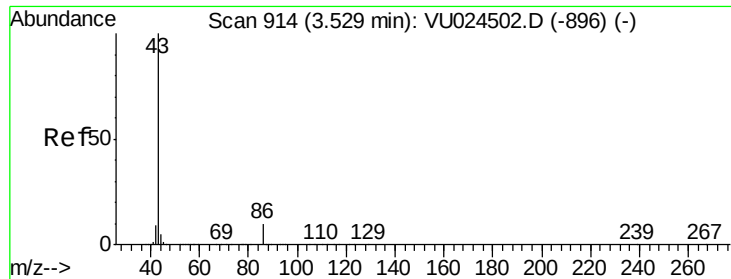
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	45	Resp:	339046
Ion Ratio	Lower	Upper	
45	100		
43	61.9	45.8	68.6
87	27.5	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 231.717 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 43 Resp: 1440952

Ion Ratio Lower Upper

43 100

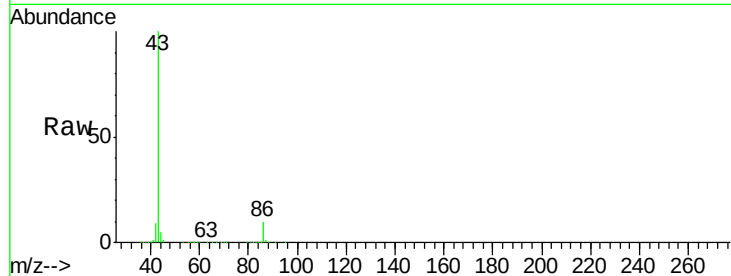
86 10.1 7.8 11.8

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

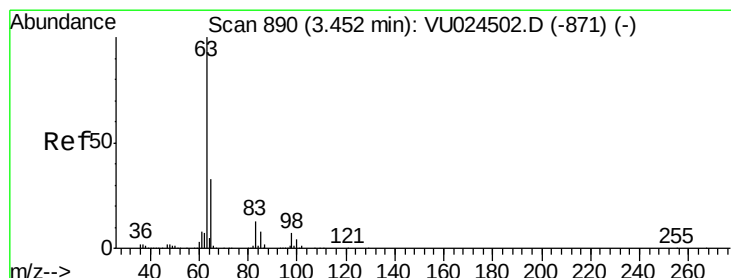
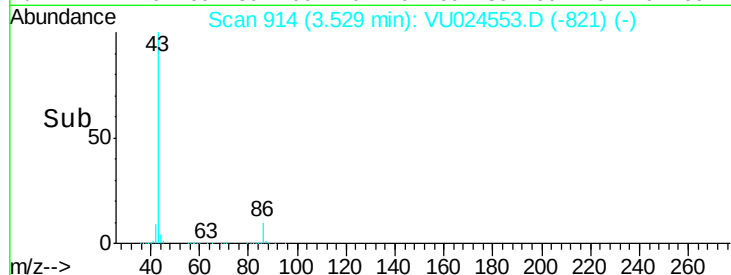
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.088 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

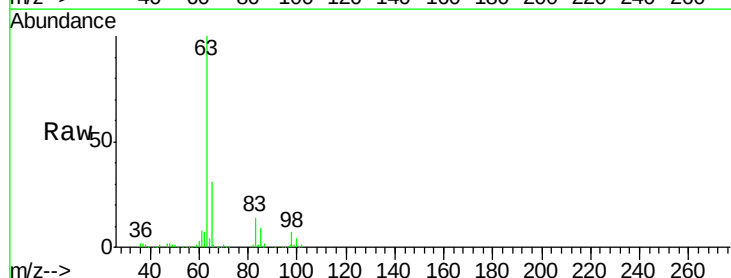
Tgt Ion: 63 Resp: 192042

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.4 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

3.45

120000

100000

80000

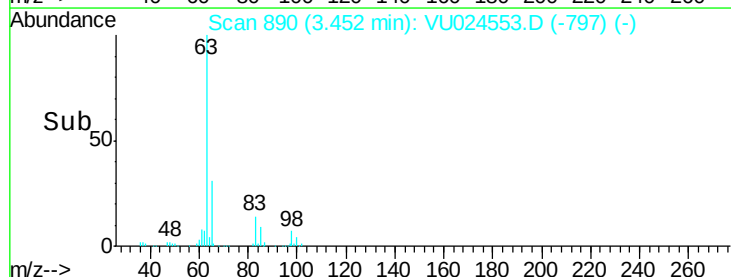
60000

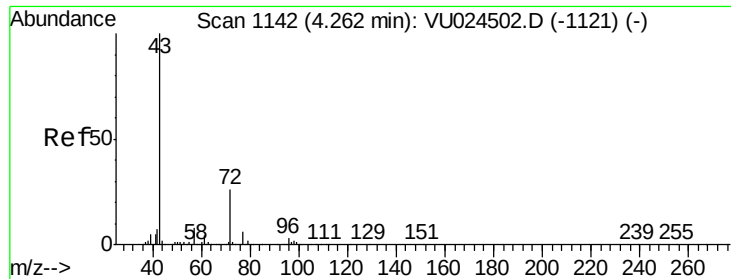
40000

20000

0

Time-->





#25

2-Butanone

Concen: 233.650 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 43 Resp: 455990

Ion Ratio Lower Upper

43 100

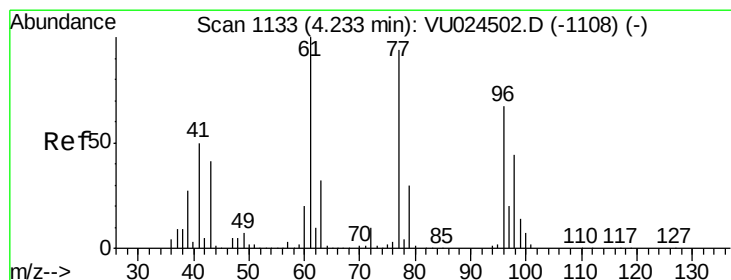
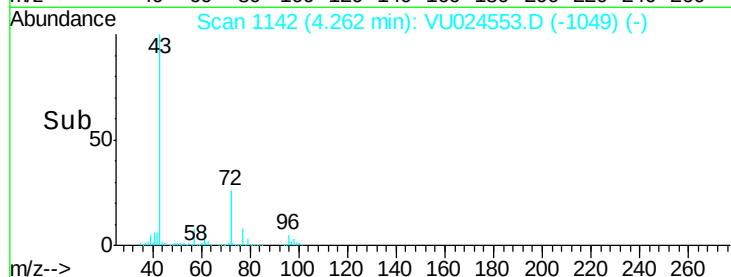
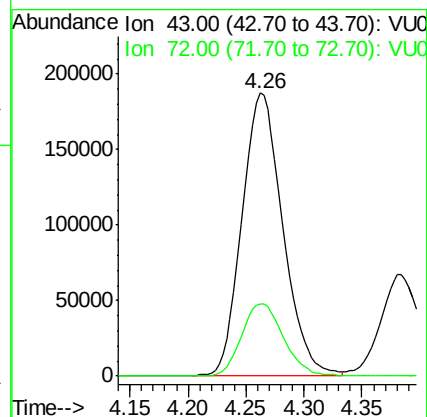
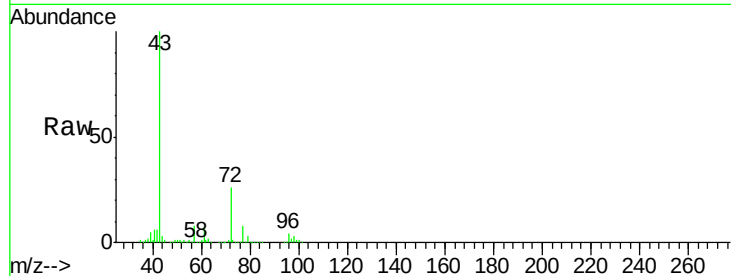
72 25.5 19.6 29.4

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#26

2,2-Dichloropropane

Concen: 40.144 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024553.D

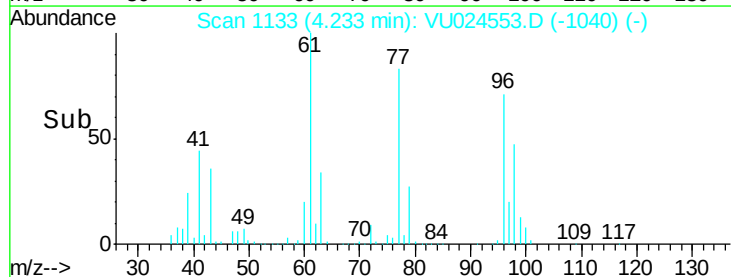
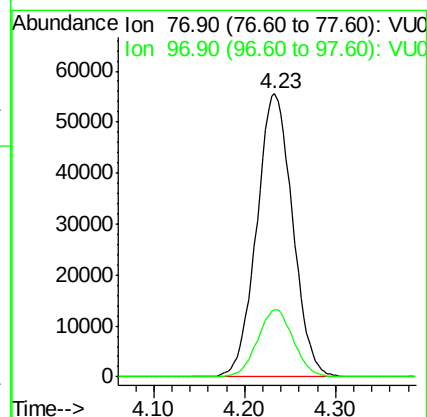
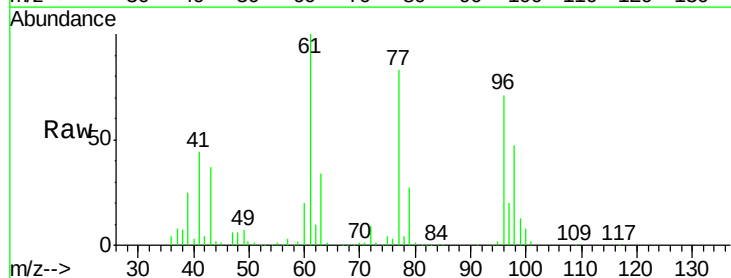
Acq: 14 Jun 2018 20:21

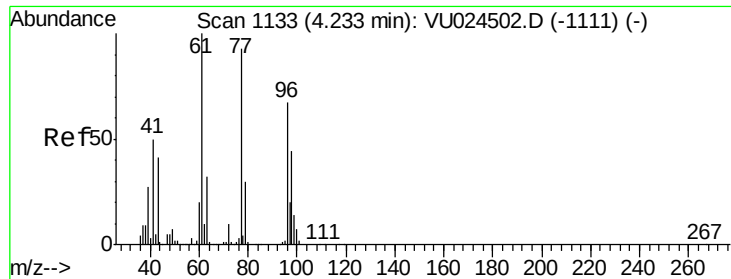
Tgt Ion: 77 Resp: 152229

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 49.363 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

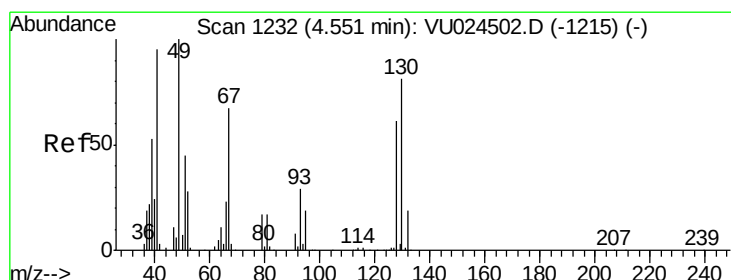
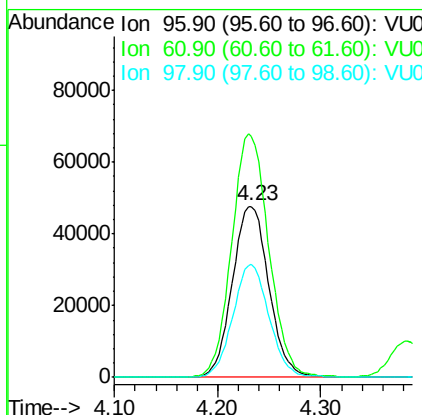
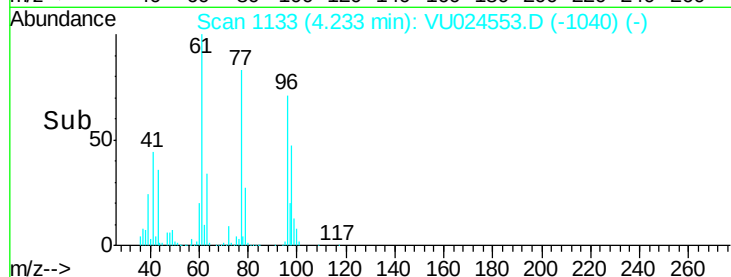
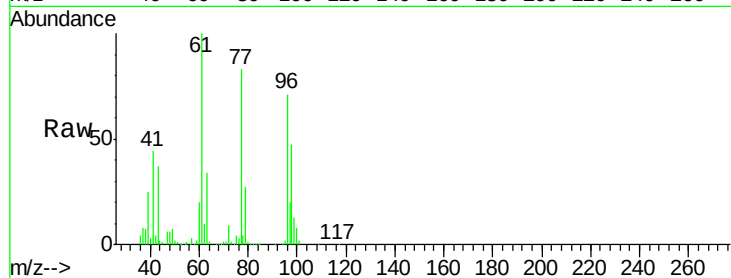
Instrument :
MSVOA_U

ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	306.6
98	64.8	0.0	128.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#28

Bromochloromethane

Concen: 51.983 ug/l

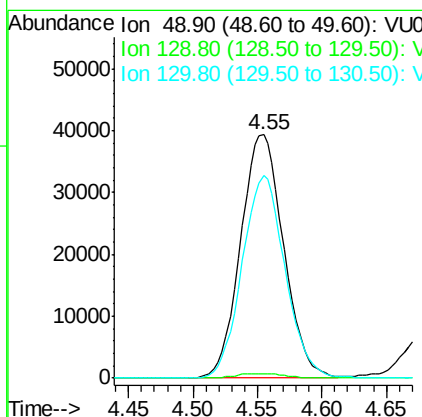
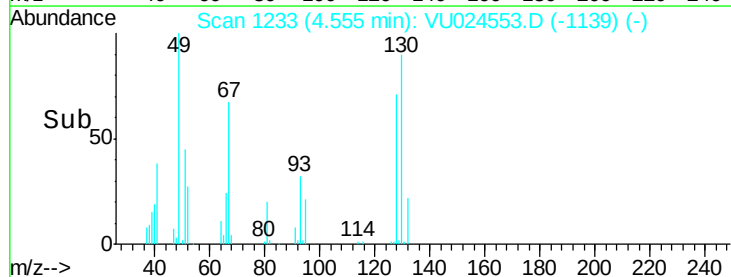
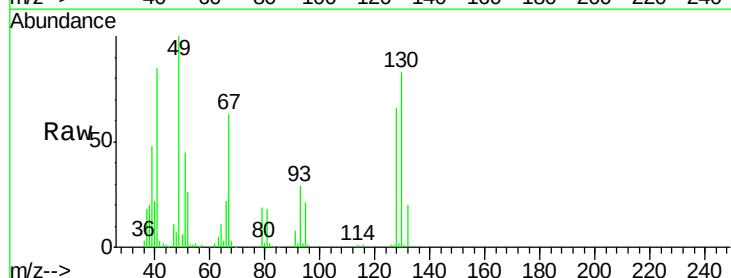
RT: 4.55 min Scan# 1233

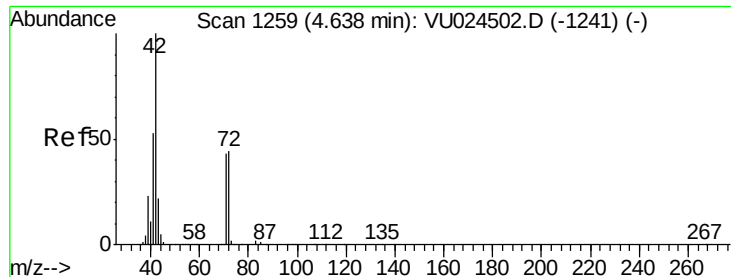
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.2	57.8	86.6





#29

Tetrahydrofuran

Concen: 249.424 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

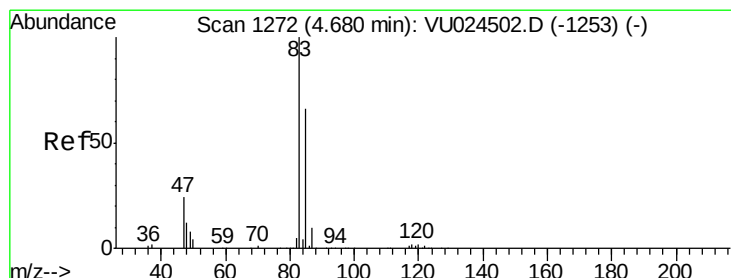
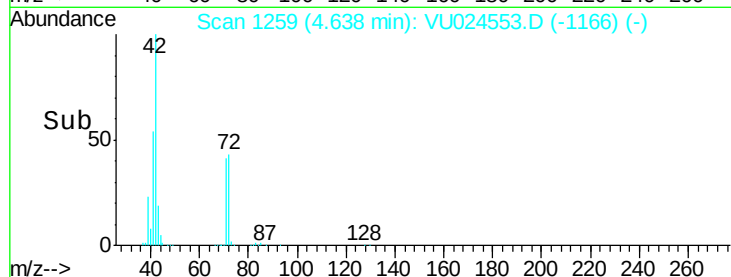
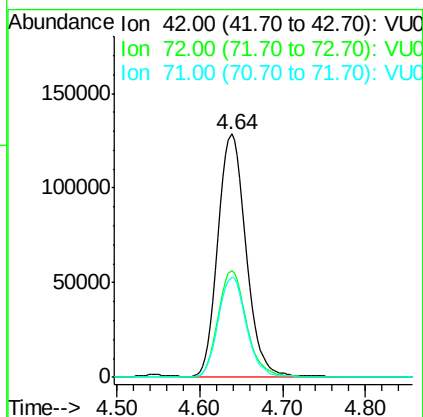
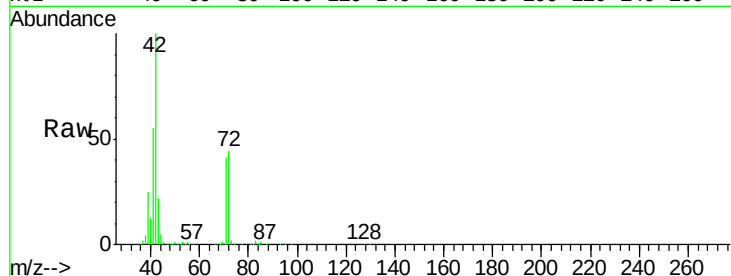
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	42	Resp:	301443
Ion Ratio	Lower	Upper	
42	100		
72	44.6	34.5	51.7
71	41.2	32.2	48.4

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#30

Chloroform

Concen: 48.161 ug/l

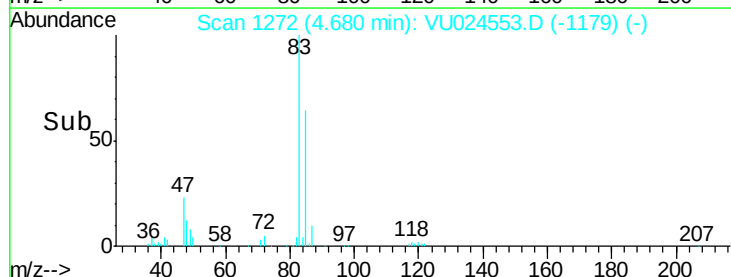
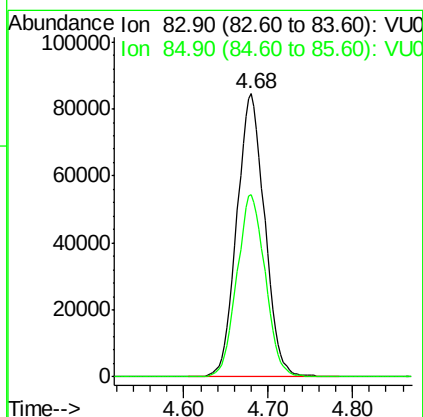
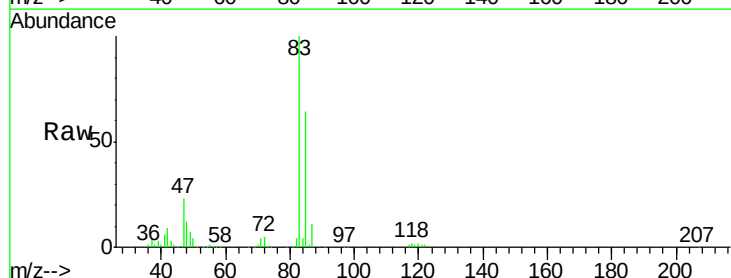
RT: 4.68 min Scan# 1272

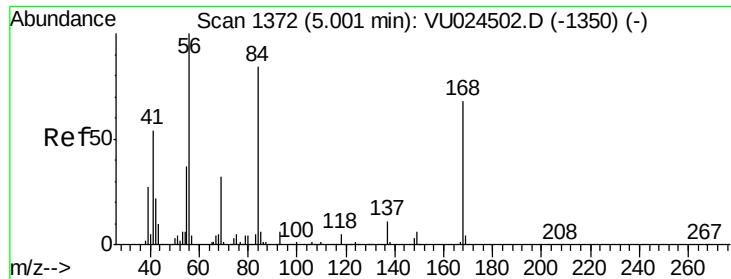
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	83	Resp:	194671
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.4	78.6





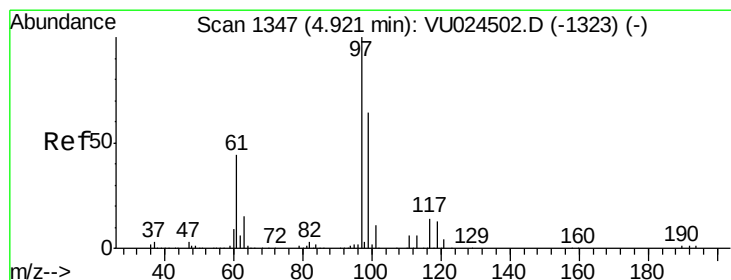
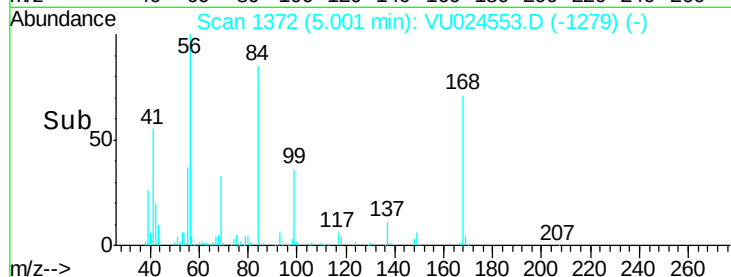
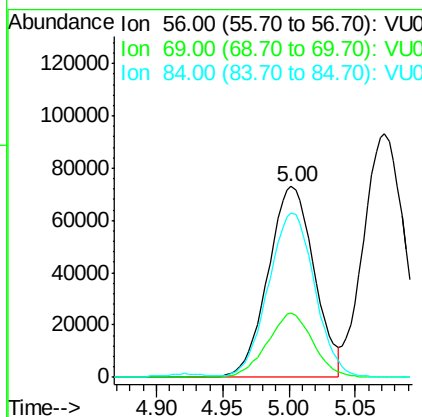
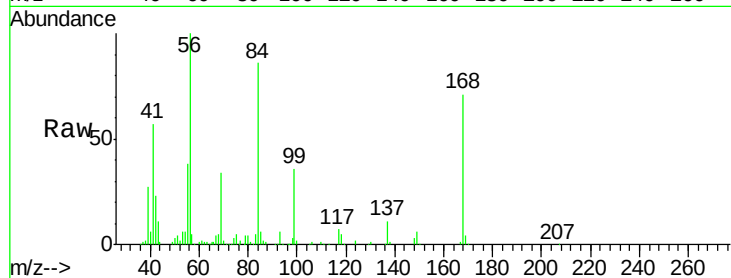
#31
Cyclohexane
Concen: 49.623 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.8	37.2
84	84.9	65.2	97.8

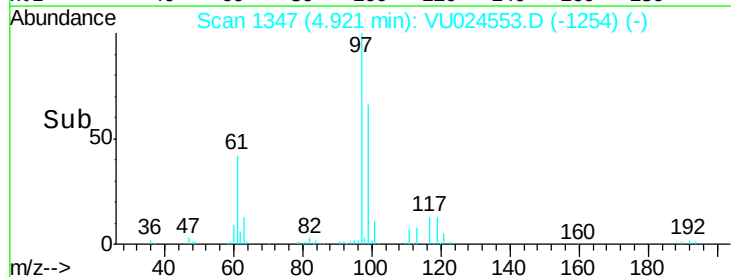
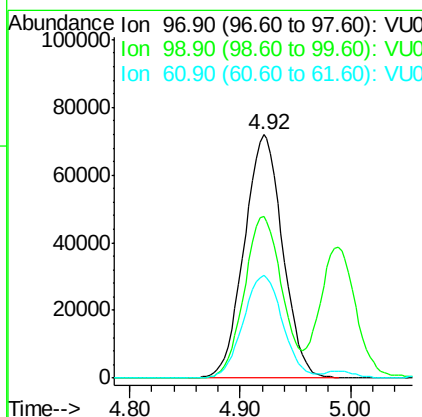
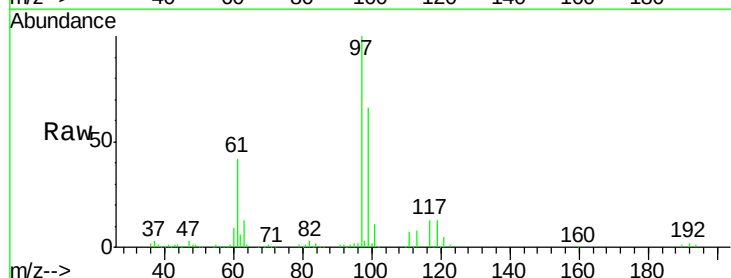
Manual Integrations
APPROVED

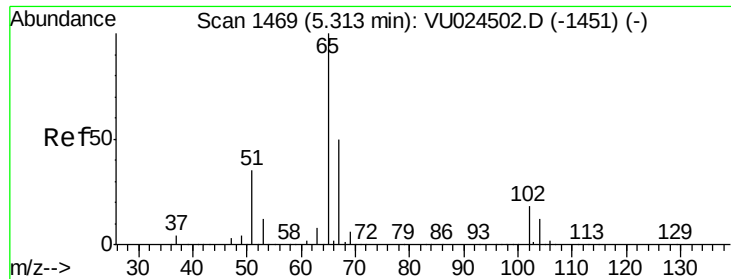
apatel
6/15/2018 3:19:34 PM



#32
1,1,1-Trichloroethane
Concen: 46.403 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	43.4	39.4	59.0





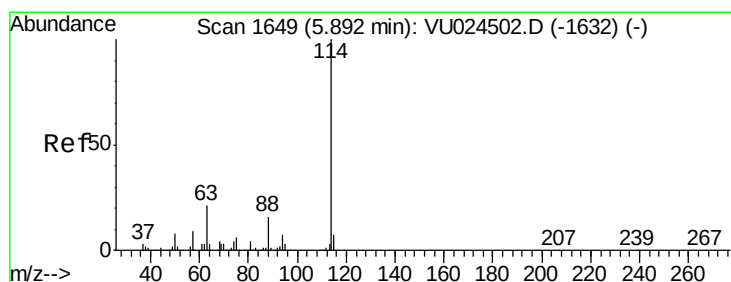
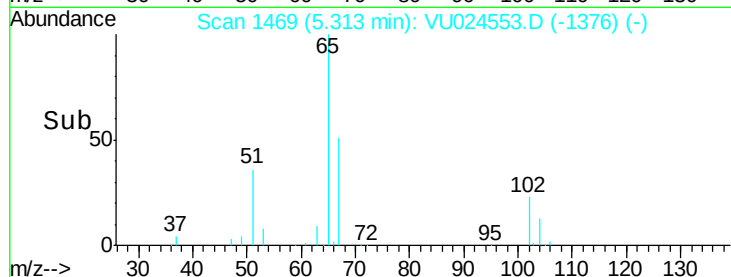
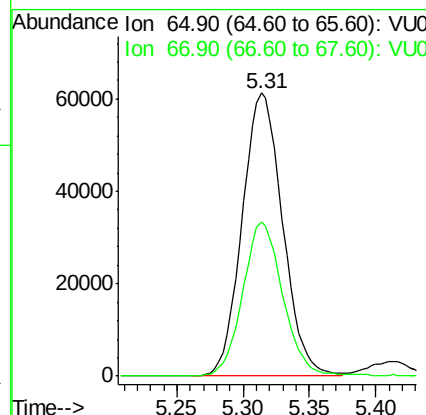
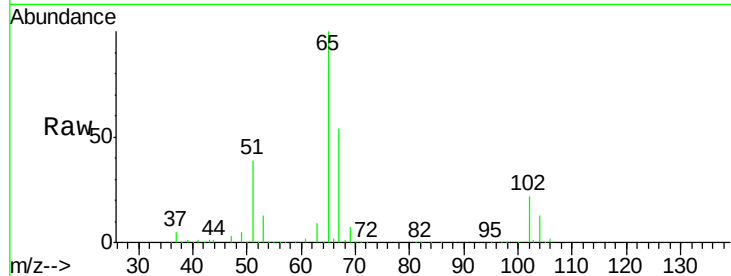
#33
 1,2-Dichloroethane-d4
 Concen: 48.115 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	107.0

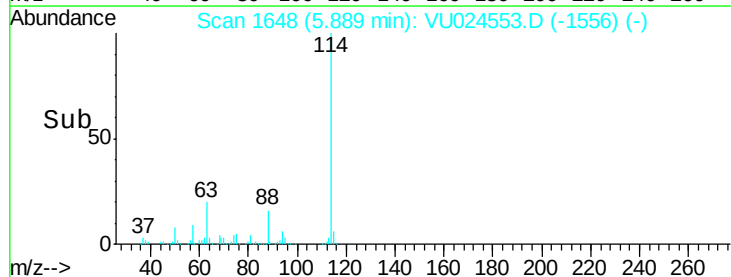
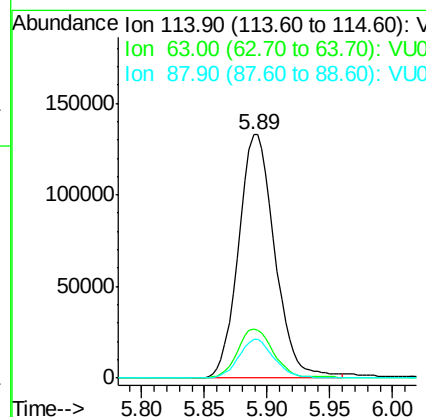
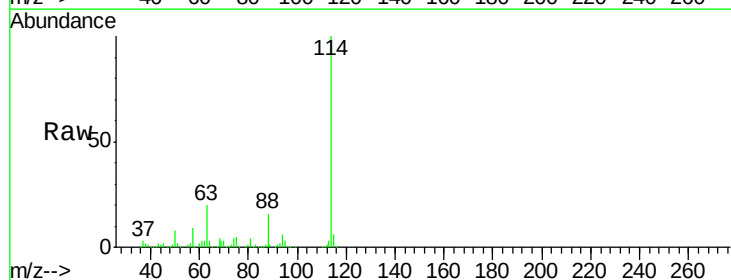
Manual Integrations
 APPROVED

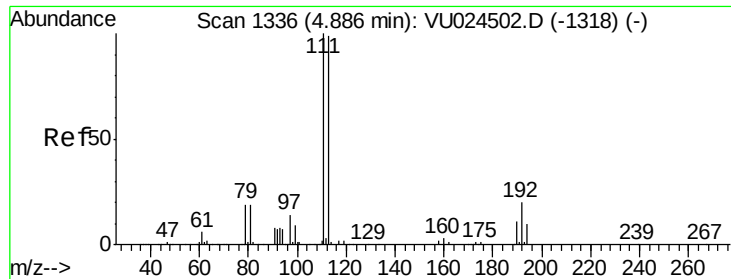
apatel
 6/15/2018 3:19:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.7	0.0	31.0





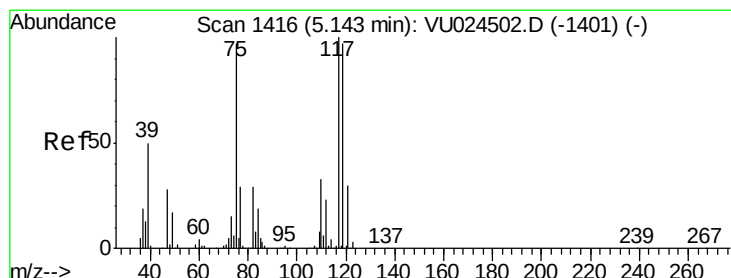
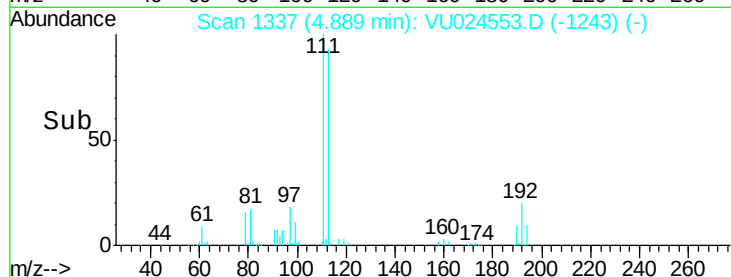
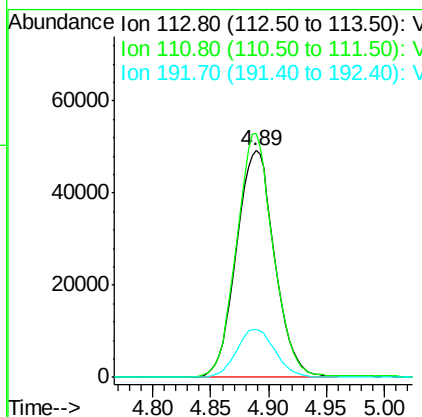
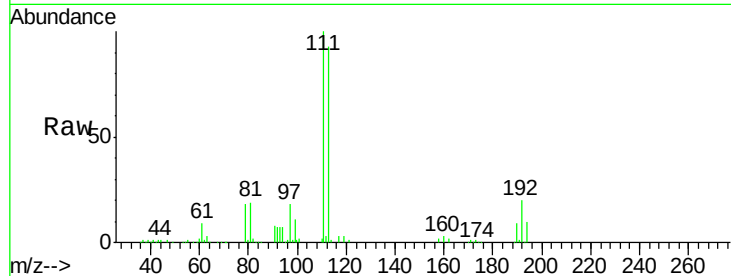
#35
 Dibromofluoromethane
 Concen: 50.909 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113029		
111	103.6	82.2	123.4	
192	21.4	16.2	24.4	

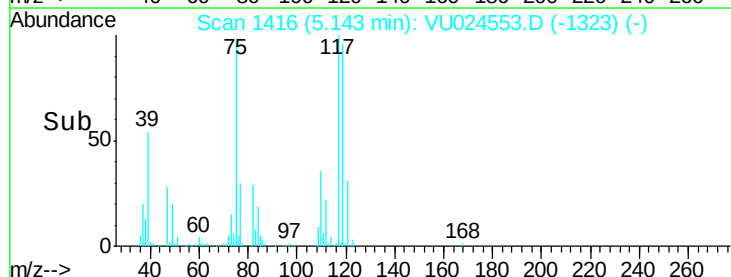
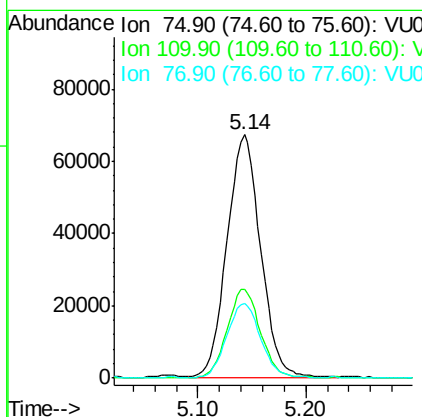
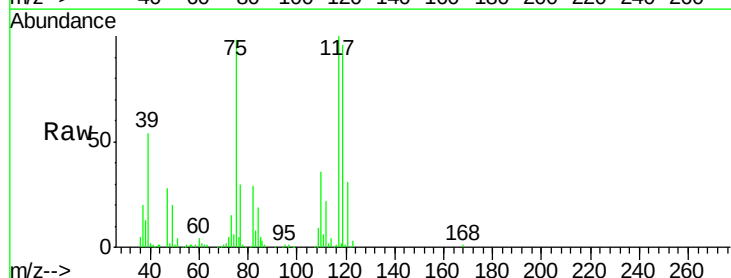
Manual Integrations
 APPROVED

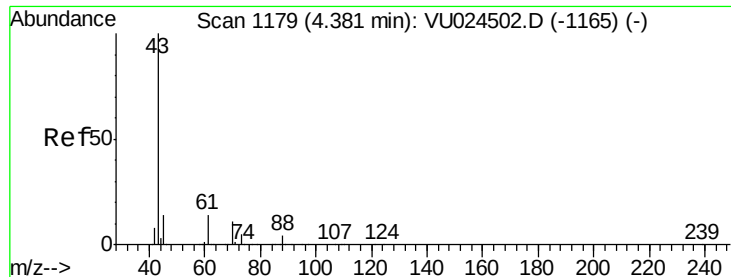
apatel
 6/15/2018 3:19:34 PM



#36
 1,1-Dichloropropene
 Concen: 46.187 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	145194		
110	36.5	17.0	50.9	
77	30.9	24.2	36.4	





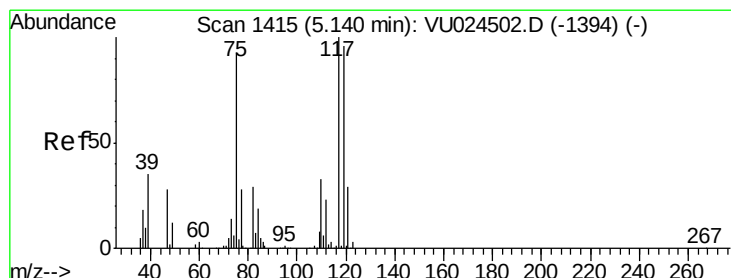
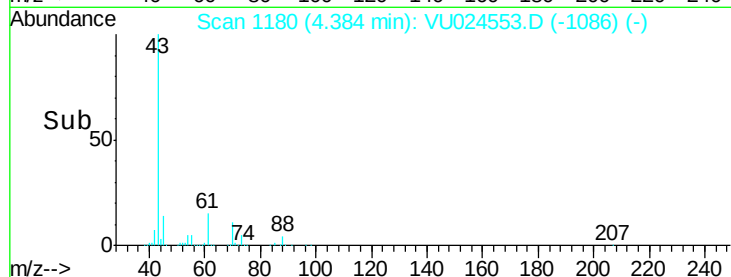
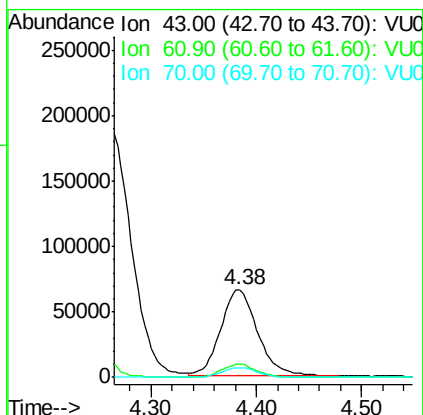
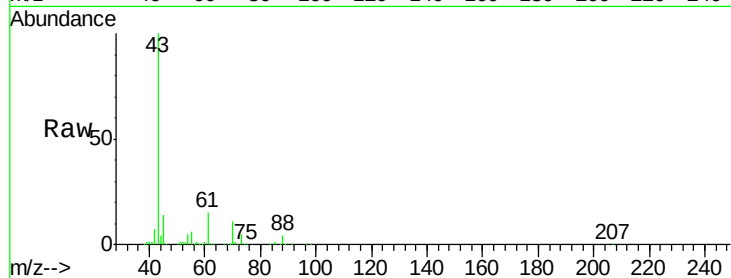
#37
Ethyl Acetate
Concen: 46.907 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	11.4	7.4	11.2

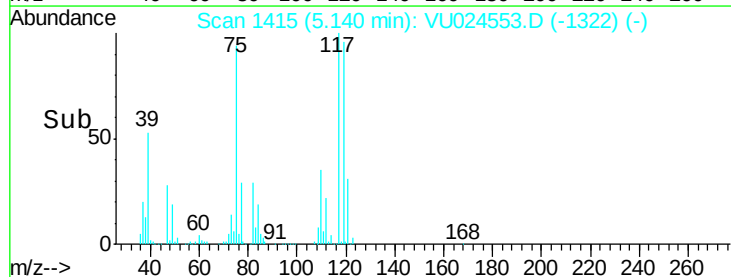
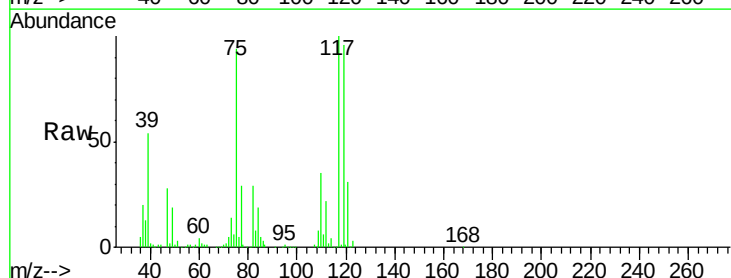
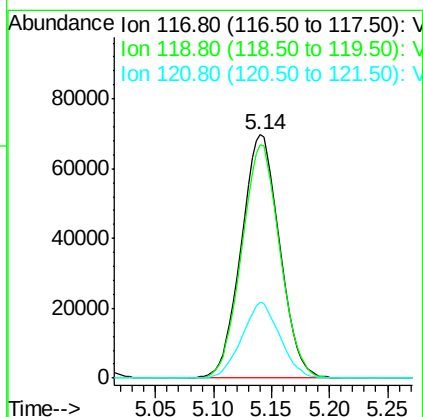
Manual Integrations
APPROVED

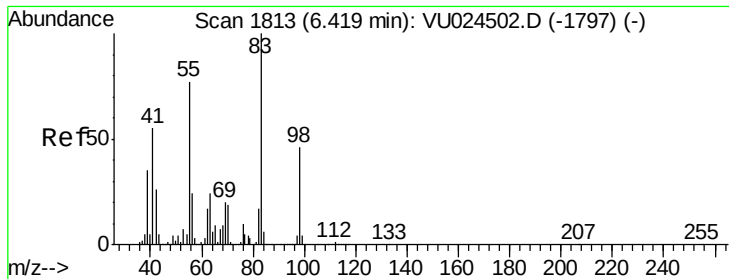
apatel
6/15/2018 3:19:34 PM



#38
Carbon Tetrachloride
Concen: 46.611 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.1	114.1
121	31.1	23.7	35.5





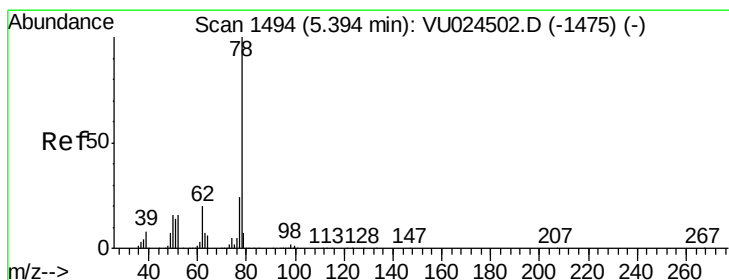
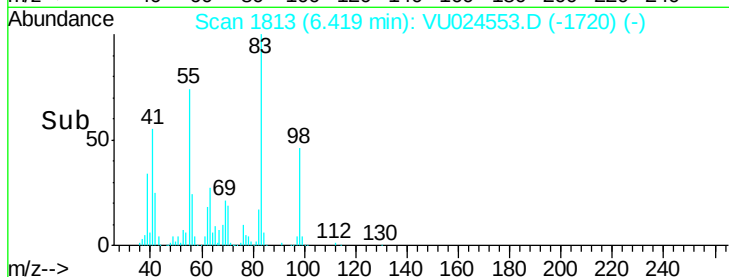
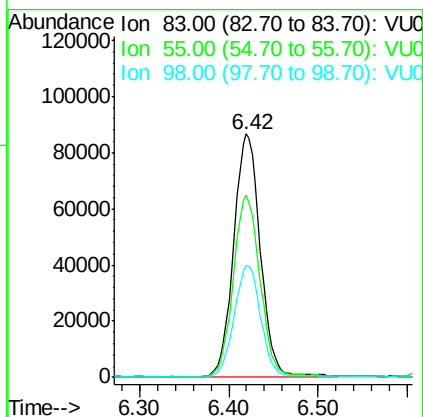
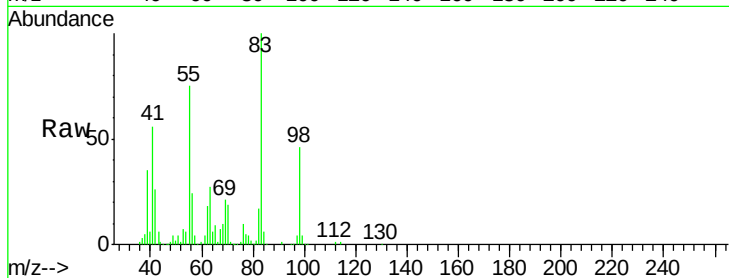
#39
Methylvlcyclohexane
Concen: 45.893 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.2	65.8	98.6	
98	45.9	36.7	55.1	

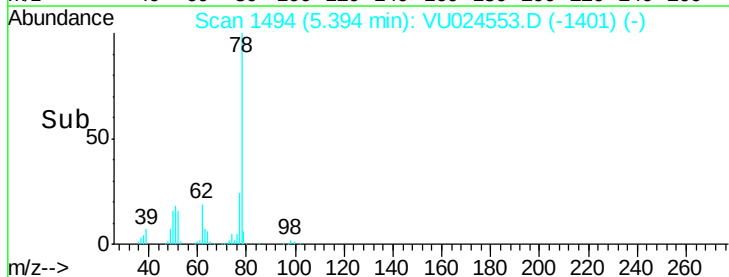
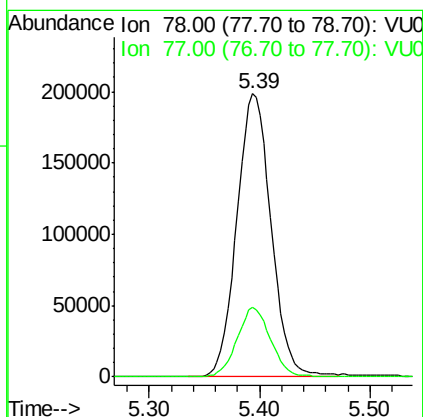
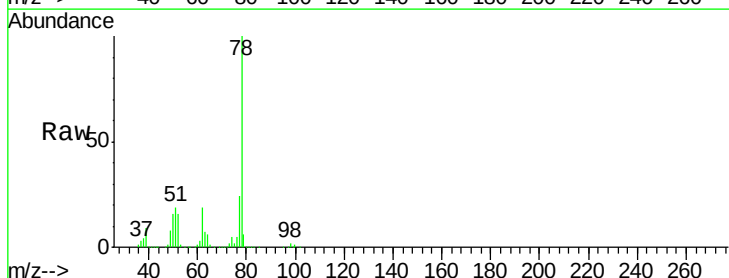
Manual Integrations
APPROVED

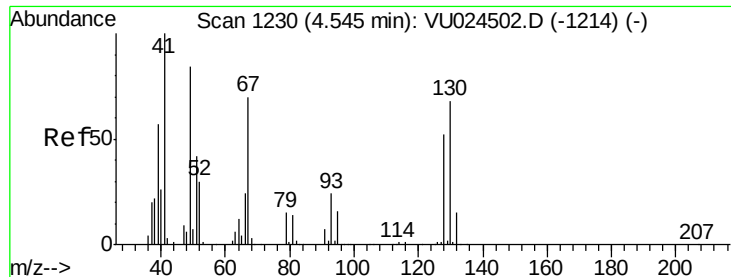
apatel
6/15/2018 3:19:34 PM



#40
Benzene
Concen: 47.753 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.2	28.8	





#41

Methacrylonitrile

Concen: 51.106 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

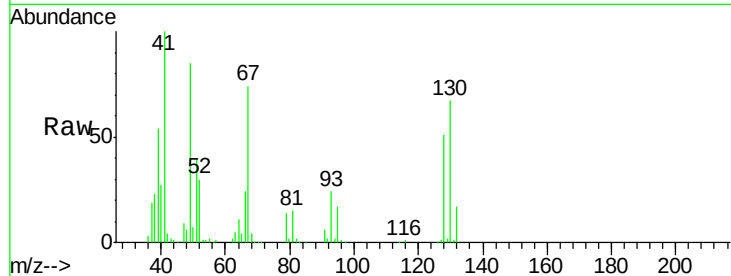
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	43.8	65.6	
67	73.4	56.3	84.5	
52	31.3	23.2	34.8	

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM

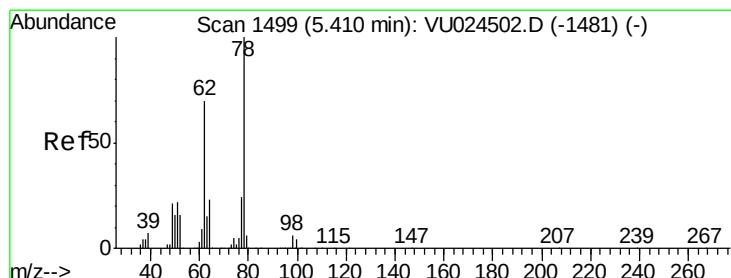
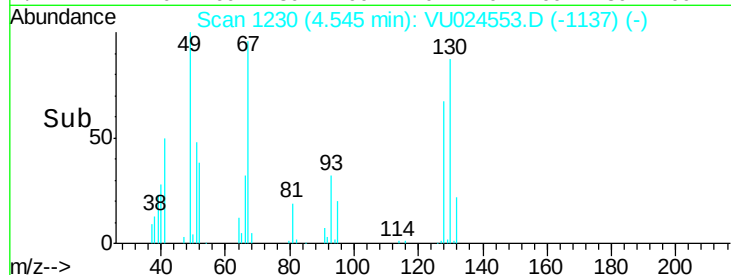
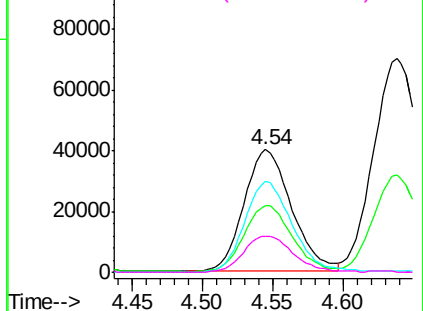


Abundance Ion 41.00 (40.70 to 41.70): VU024502.D (-1214) (-)

Ion 39.00 (38.70 to 39.70): VU024502.D (-1214) (-)

Ion 67.00 (66.70 to 67.70): VU024502.D (-1214) (-)

Ion 52.00 (51.70 to 52.70): VU024502.D (-1214) (-)



#42

1,2-Dichloroethane

Concen: 45.193 ug/l

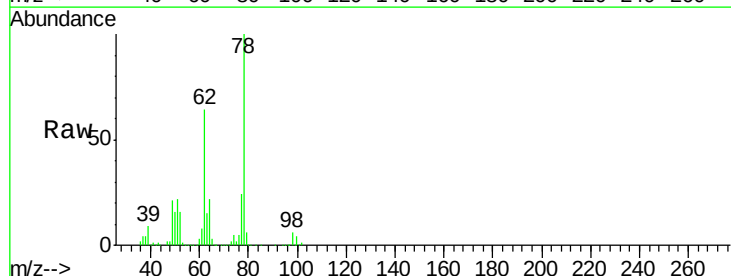
RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU024553.D

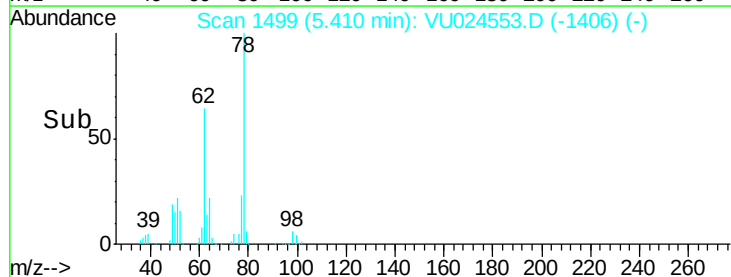
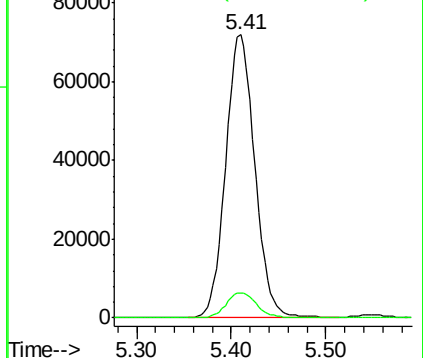
Acq: 14 Jun 2018 20:21

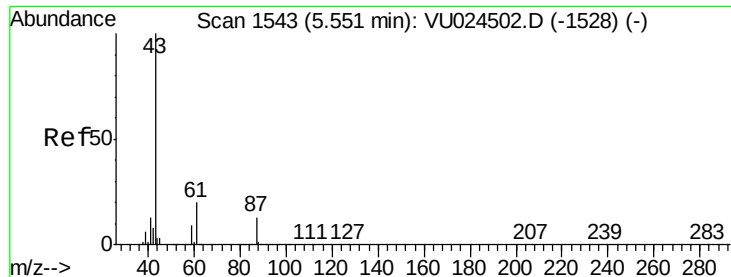
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	16.6	



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-1481) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1481) (-)





#43

Isopropyl Acetate

Concen: 46.044 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

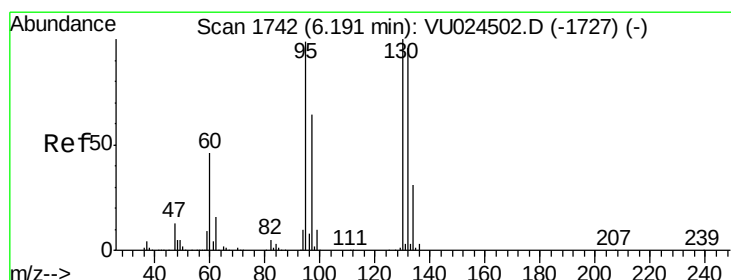
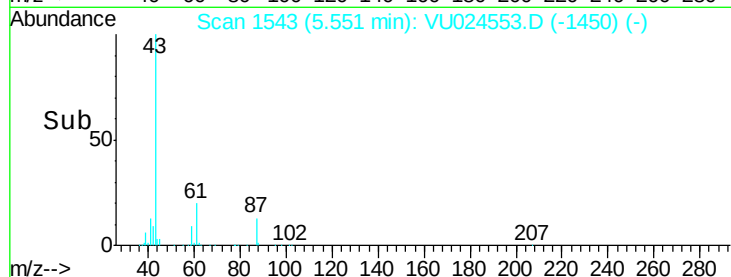
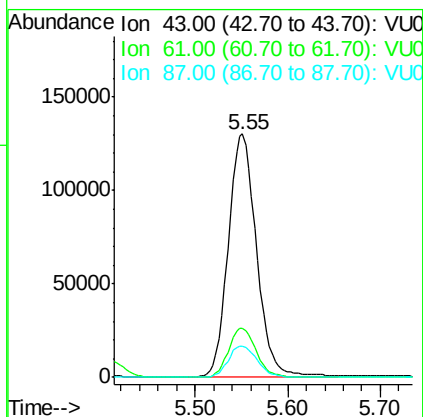
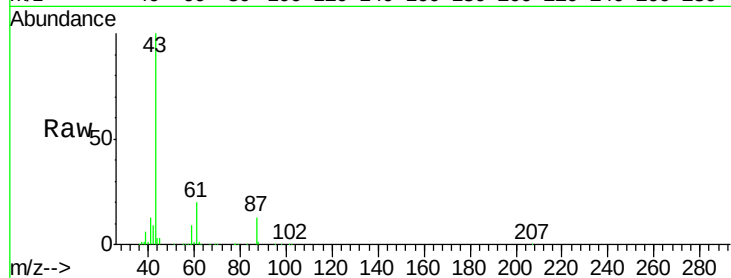
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	43	Resp:	272697
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#44

Trichloroethene

Concen: 46.711 ug/l

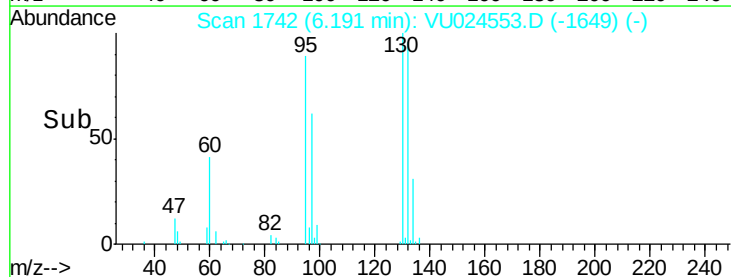
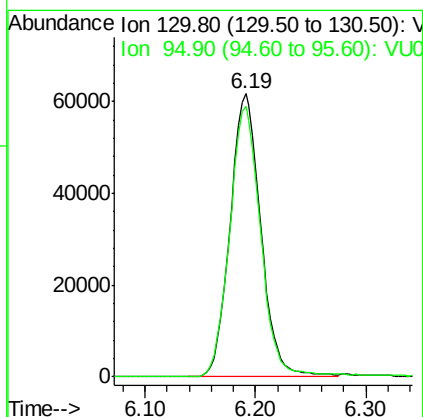
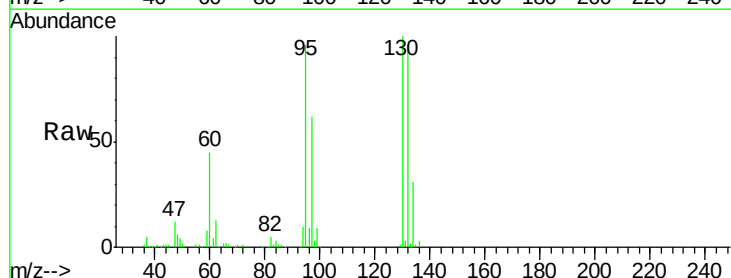
RT: 6.19 min Scan# 1742

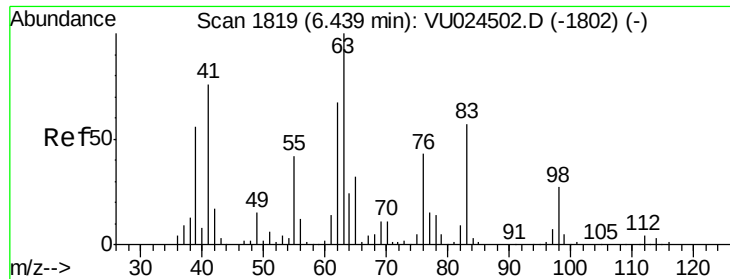
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	130	Resp:	119081
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	202.4





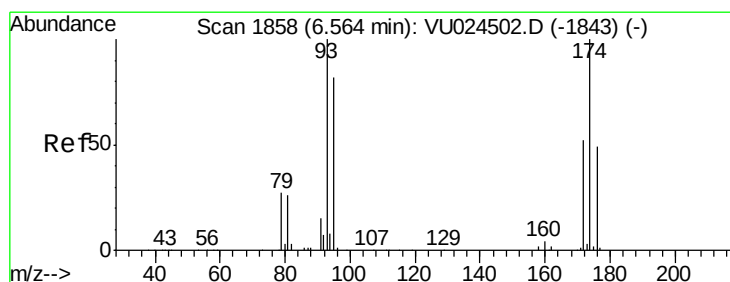
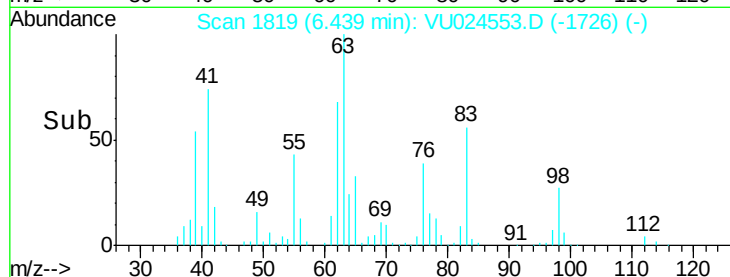
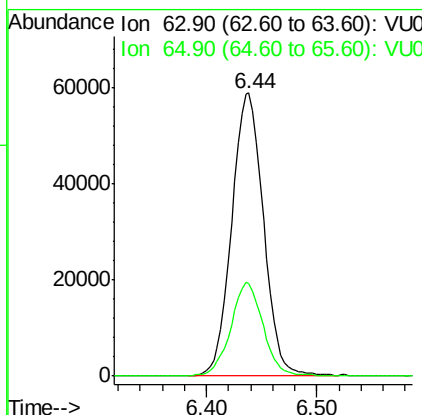
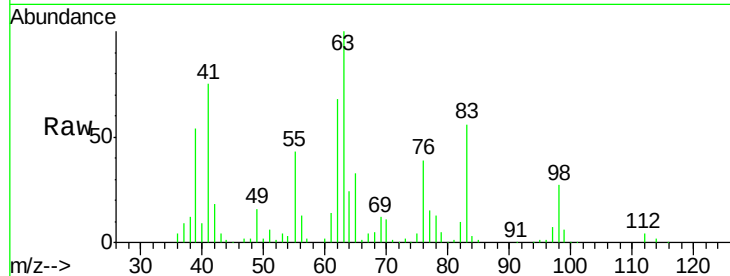
#45
 1,2-Dichloropropane
 Concen: 49.211 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion: 63 Resp: 117619
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.8 37.2

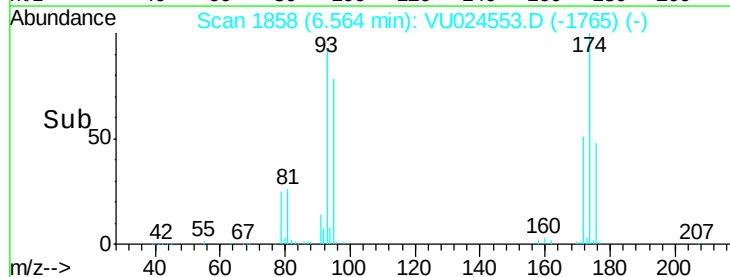
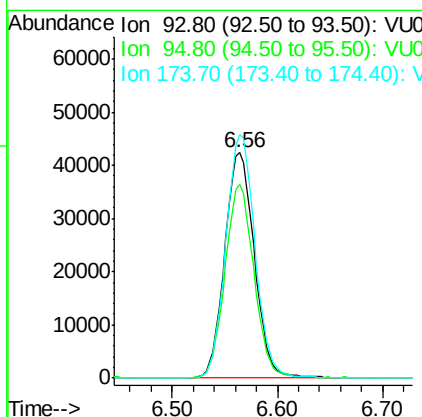
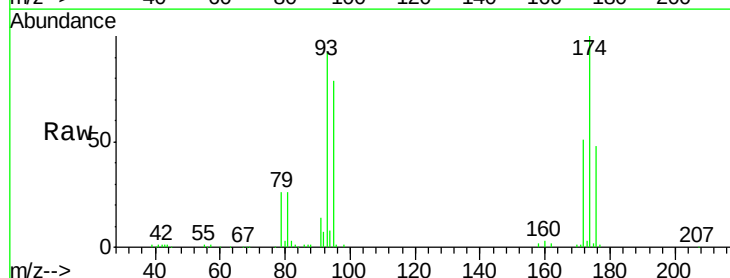
Manual Integrations
 APPROVED

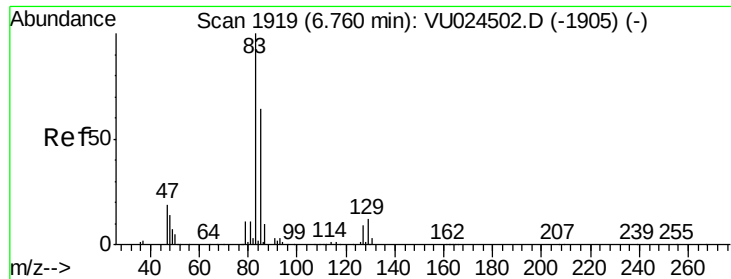
apatel
 6/15/2018 3:19:34 PM



#46
 Dibromomethane
 Concen: 49.235 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 93 Resp: 82656
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.5 98.3
 174 106.1 78.7 118.1





#47

Bromodichloromethane

Concen: 47.497 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

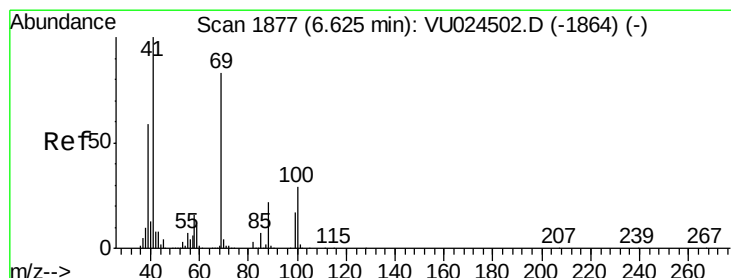
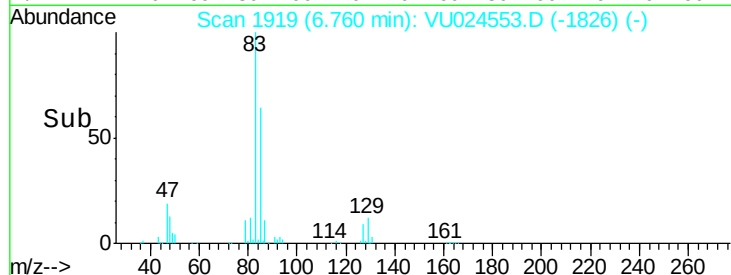
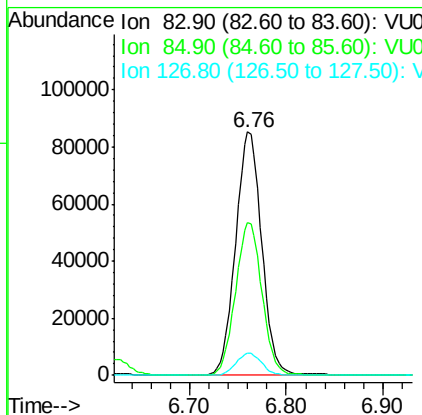
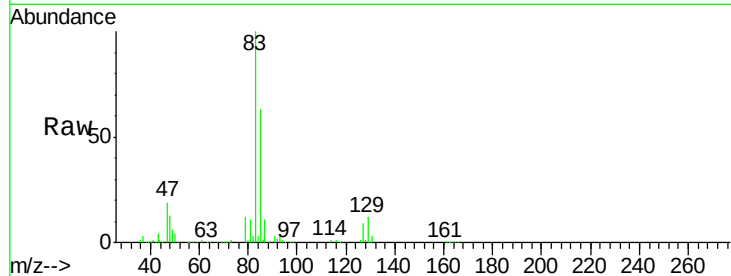
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	83	Resp:	158783
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.9	77.9
127	9.2	6.6	9.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#48

Methyl methacrylate

Concen: 47.781 ug/l

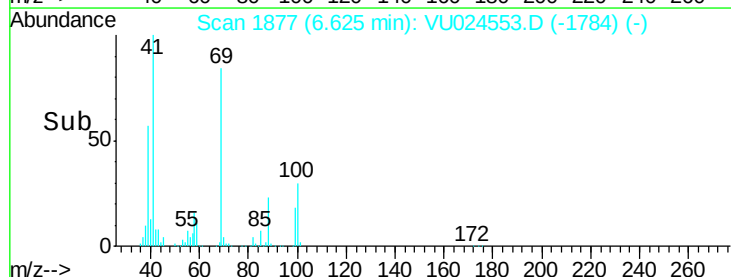
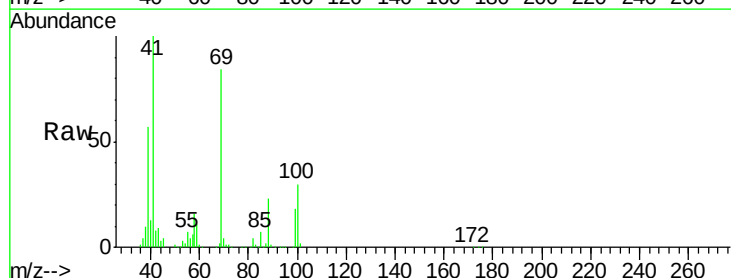
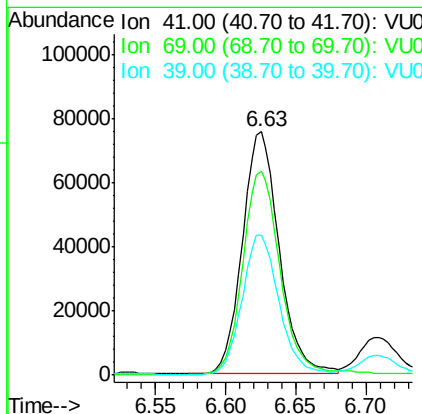
RT: 6.63 min Scan# 1877

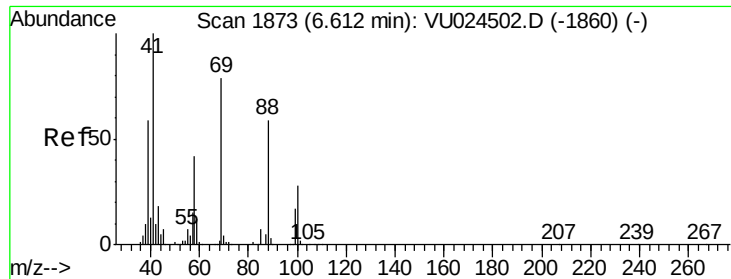
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	41	Resp:	137795
Ion Ratio	Lower	Upper	
41	100		
69	84.9	67.3	100.9
39	57.8	46.5	69.7





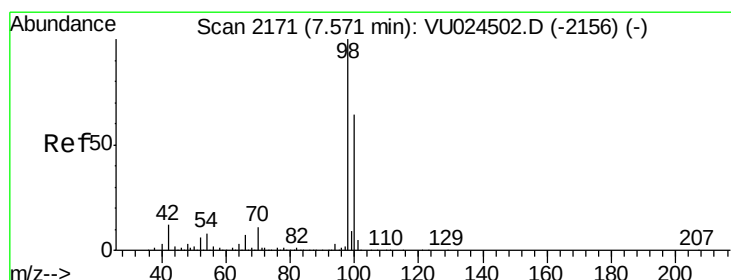
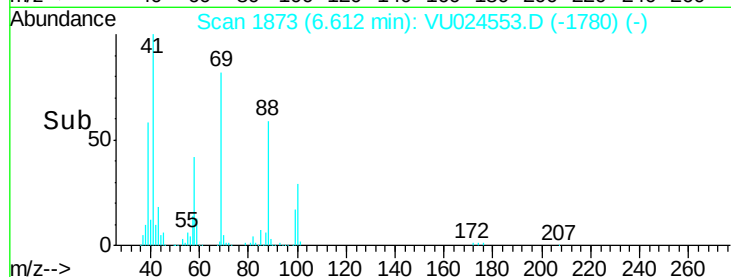
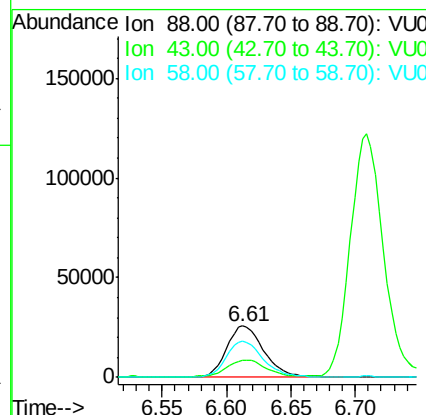
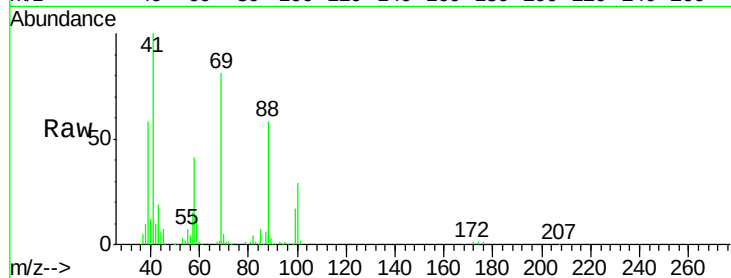
#49
1,4-Dioxane
Concen: 902.772 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.9	28.6	42.8	
58	71.5	58.2	87.4	

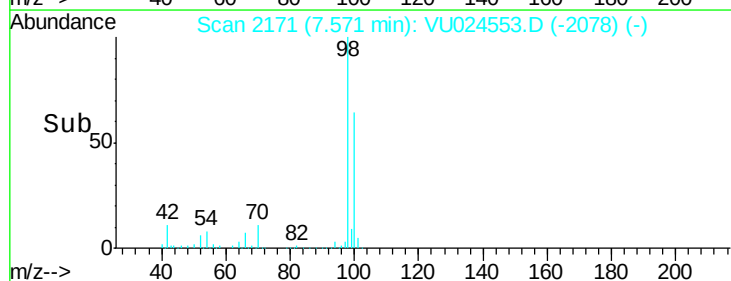
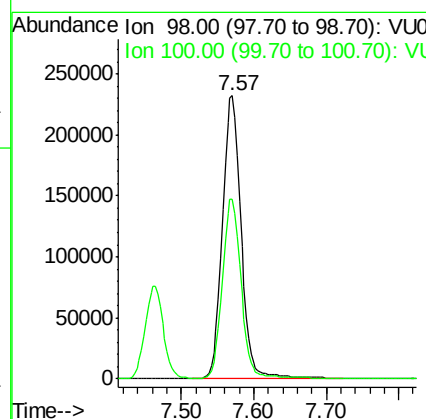
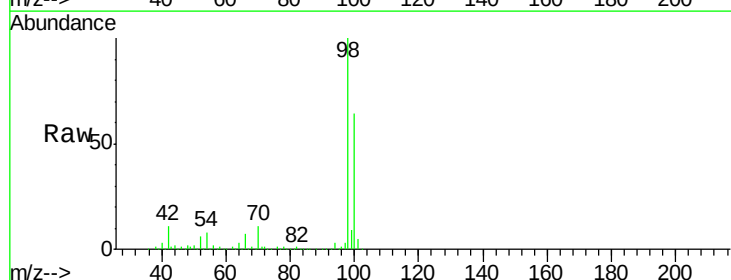
Manual Integrations
APPROVED

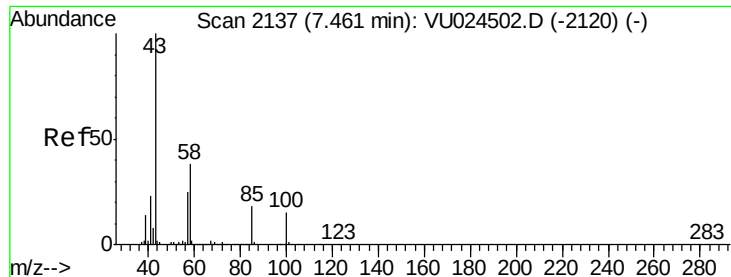
apatel
6/15/2018 3:19:34 PM



#50
Toluene-d8
Concen: 51.681 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.5	51.1	76.7	





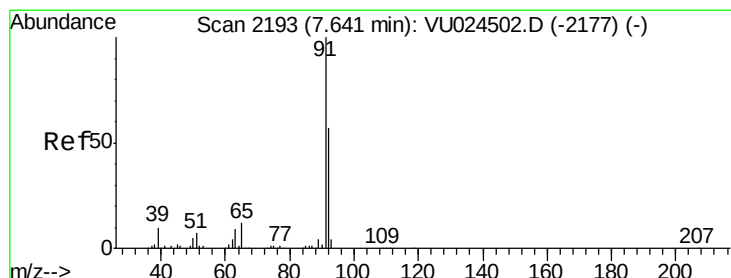
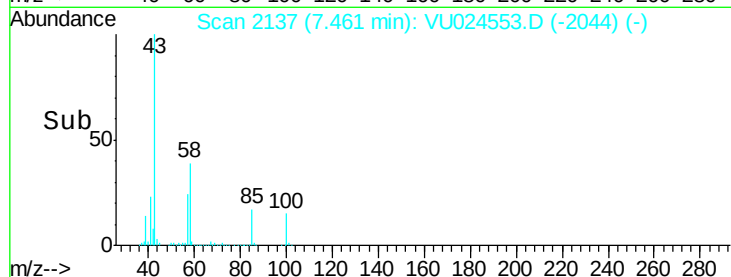
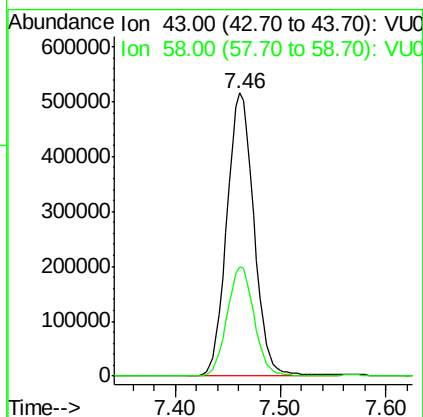
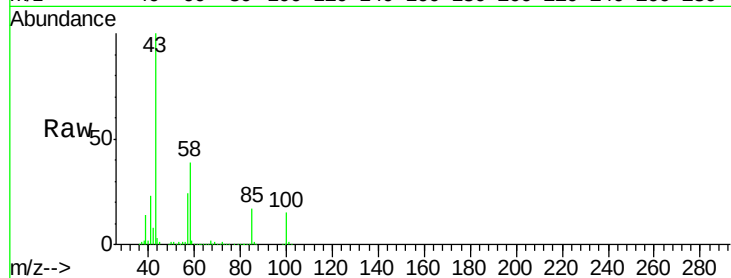
#51
 4-Methyl-2-Pentanone
 Concen: 245.627 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	30.0	45.0

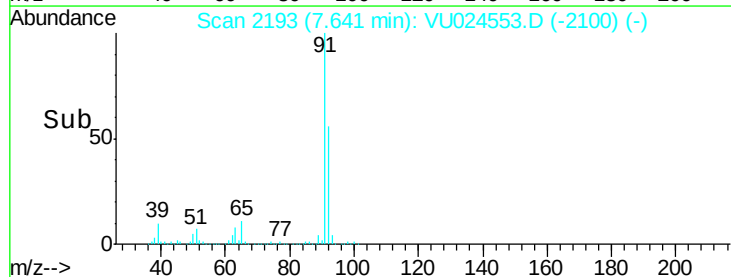
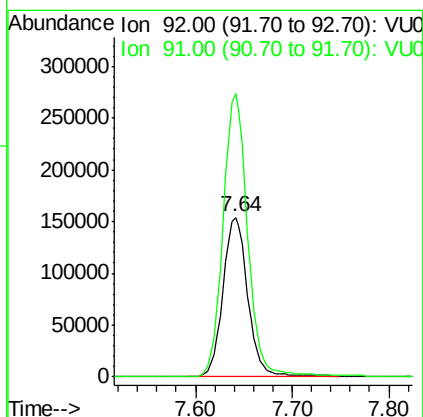
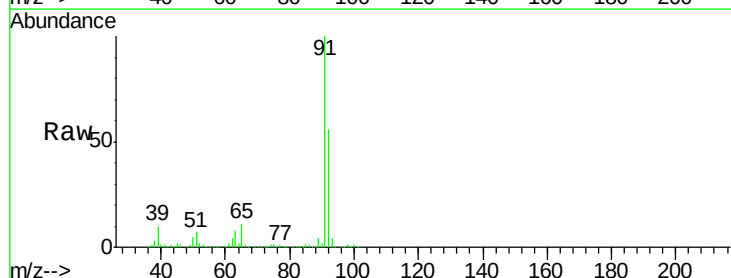
Manual Integrations
 APPROVED

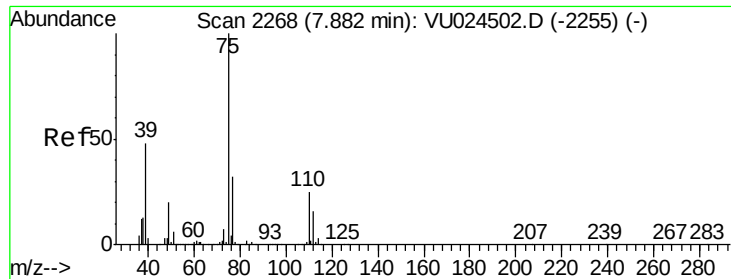
apatel
 6/15/2018 3:19:34 PM



#52
 Toluene
 Concen: 47.824 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.1	140.5	210.7





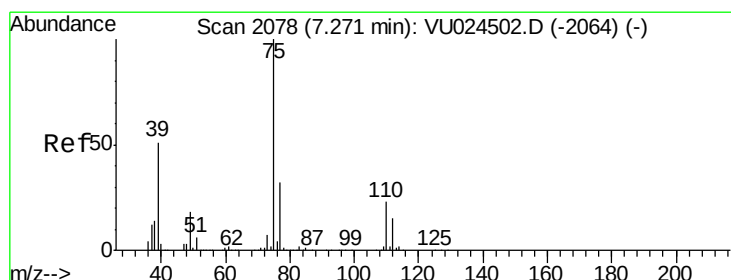
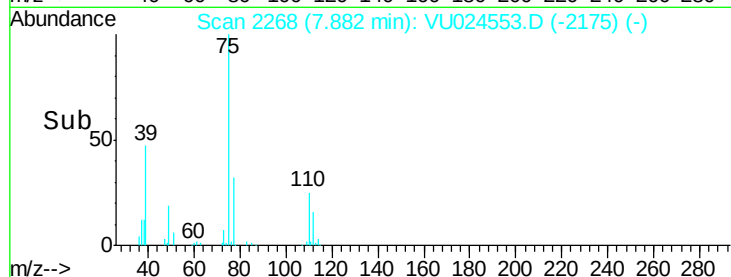
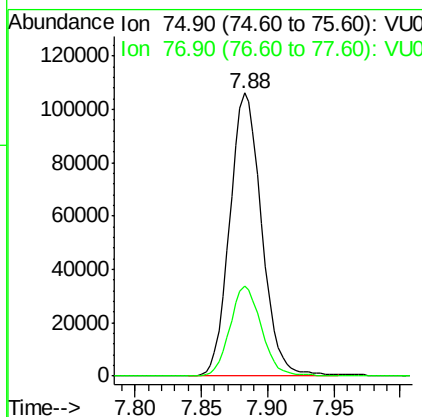
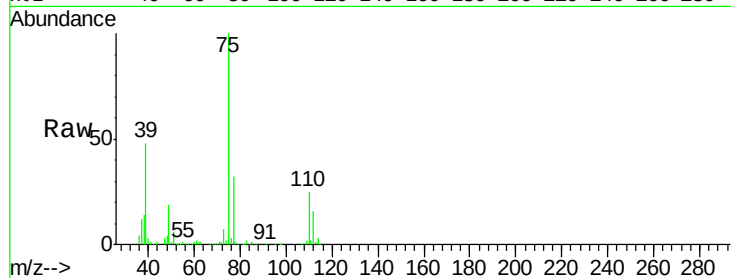
#53
t-1,3-Dichloropropene
Concen: 47.310 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion: 75 Resp: 177613
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2

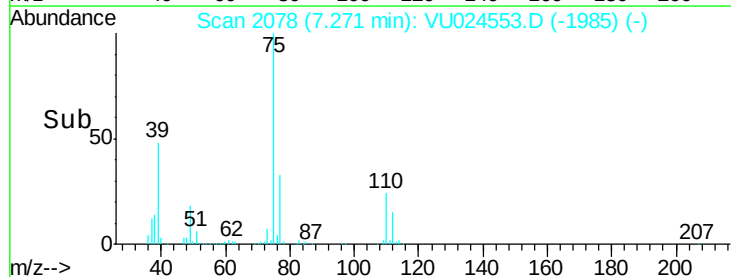
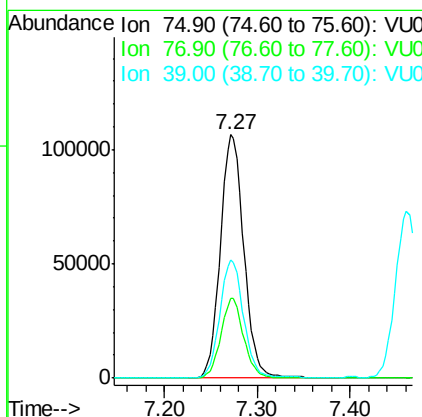
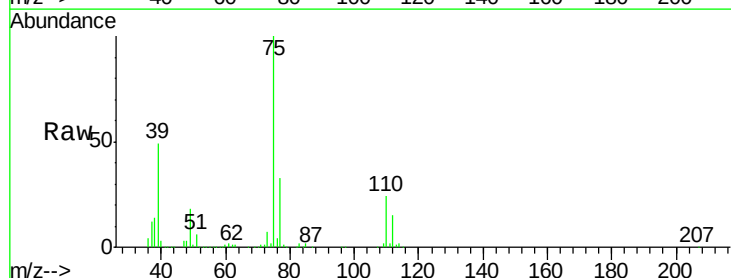
Manual Integrations
APPROVED

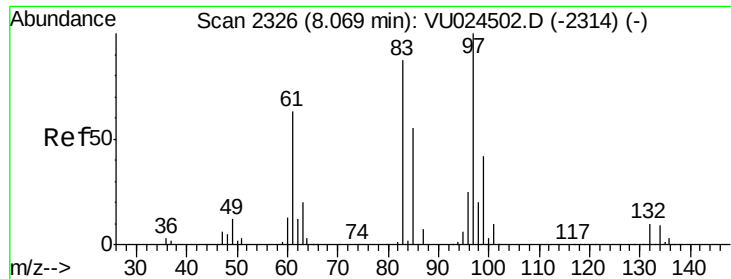
apatel
6/15/2018 3:19:34 PM



#54
cis-1,3-Dichloropropene
Concen: 46.861 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 75 Resp: 187461
Ion Ratio Lower Upper
75 100
77 32.5 24.6 36.8
39 48.5 39.8 59.6





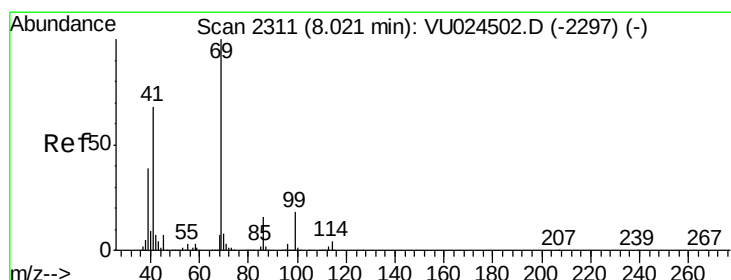
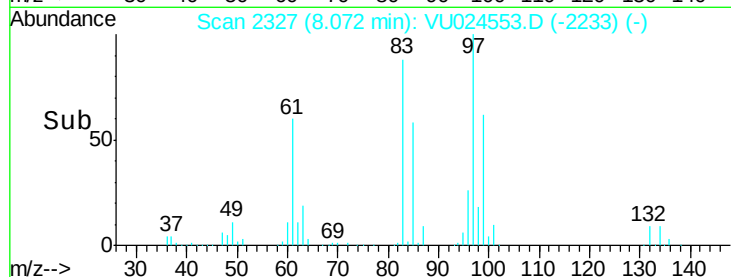
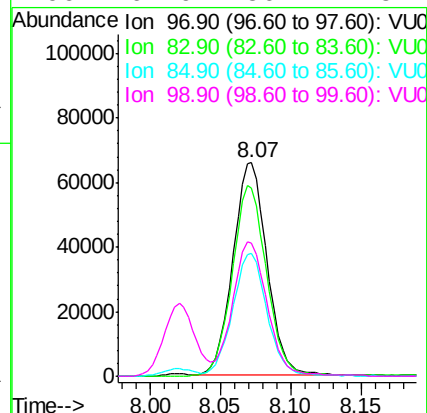
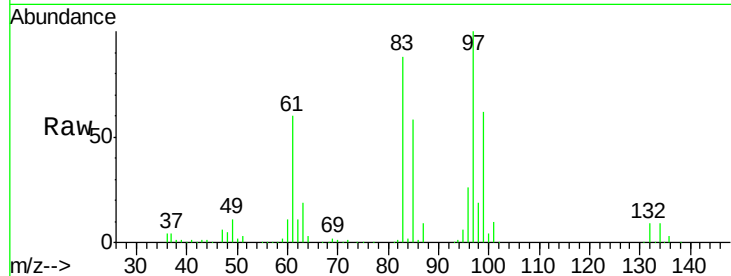
#55
 1,1,2-Trichloroethane
 Concen: 47.288 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		110775		
83	88.6	70.5	105.7		
85	57.6	46.4	69.6		
99	61.9	50.2	75.2		

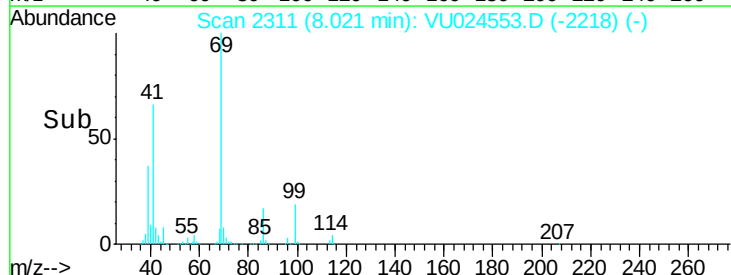
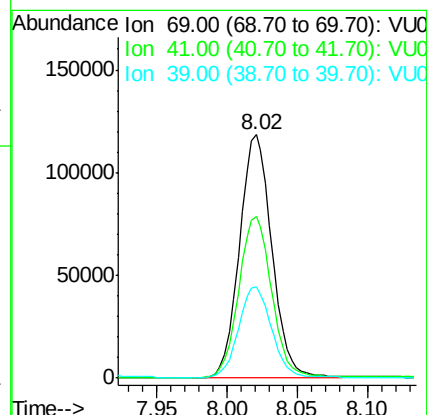
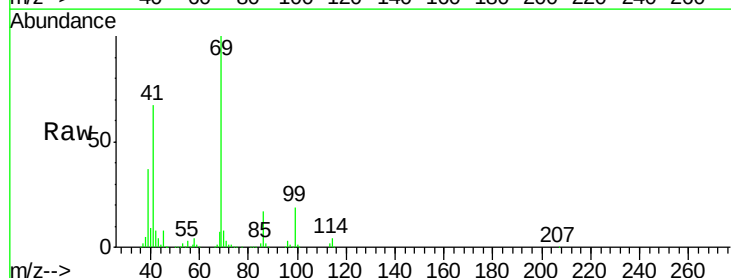
Manual Integrations
 APPROVED

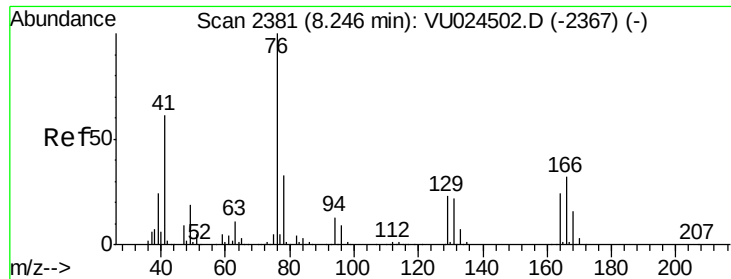
apatel
 6/15/2018 3:19:34 PM



#56
 Ethyl methacrylate
 Concen: 48.514 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190217		
41	67.2	54.1	81.1		
39	37.7	30.3	45.5		





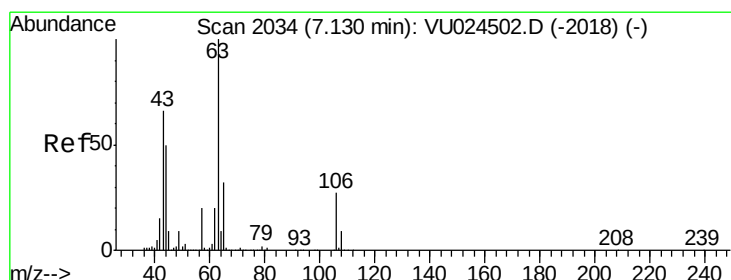
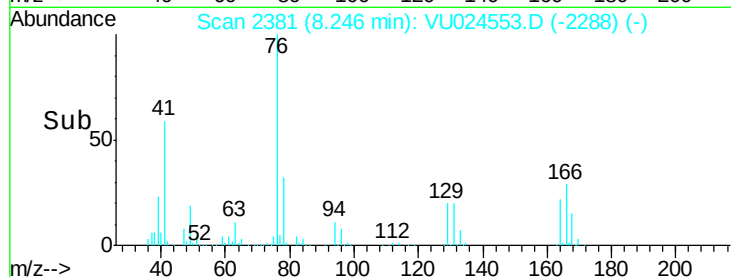
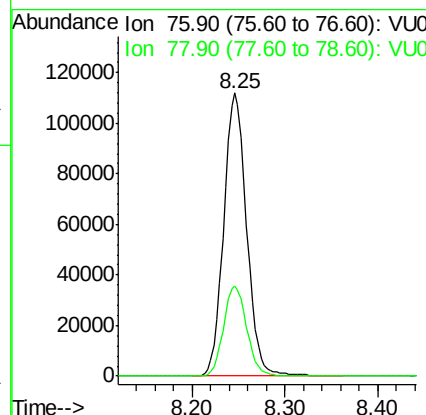
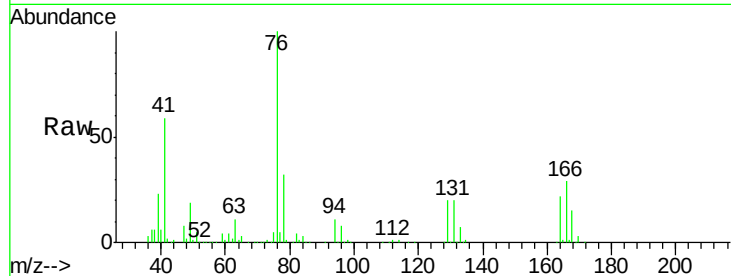
#57
 1,3-Dichloropropane
 Concen: 48.517 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion: 76 Resp: 191727
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

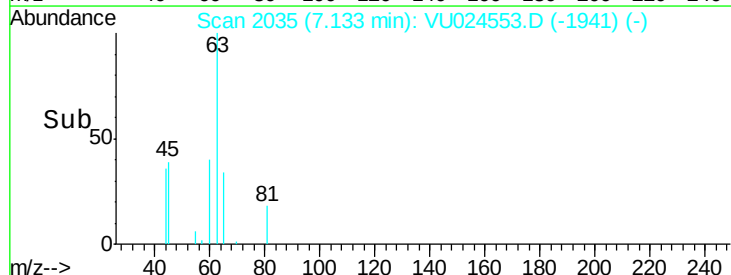
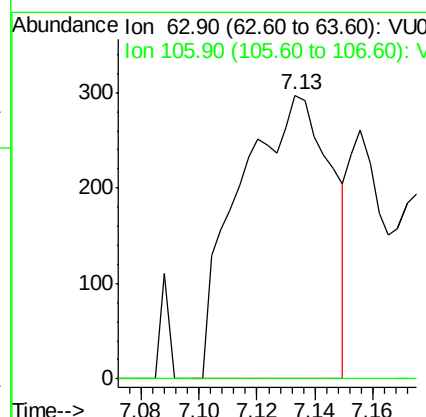
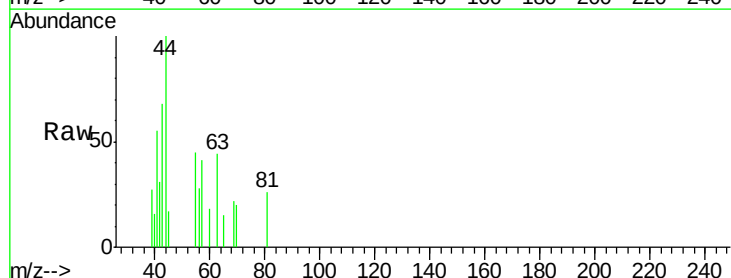
Manual Integrations
 APPROVED

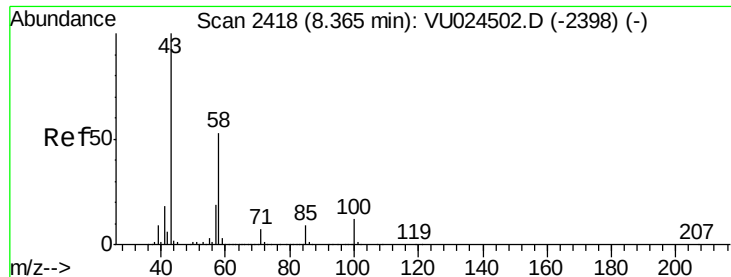
apatel
 6/15/2018 3:19:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.436 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion: 63 Resp: 655
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.2 30.2#





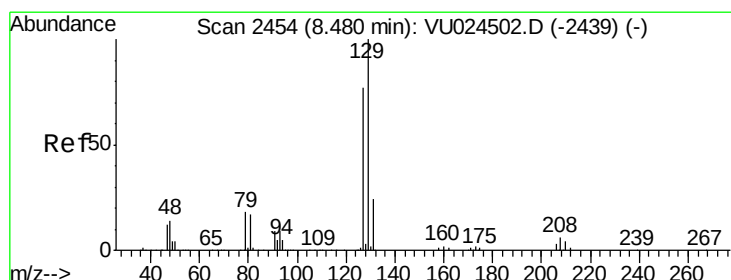
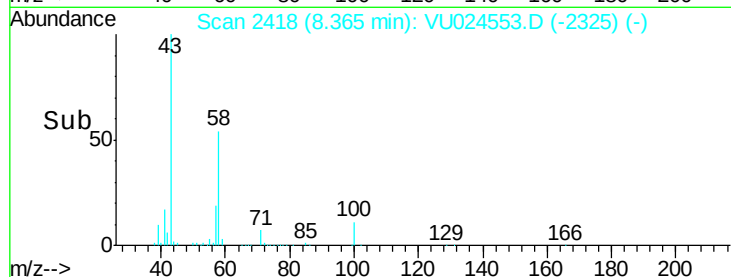
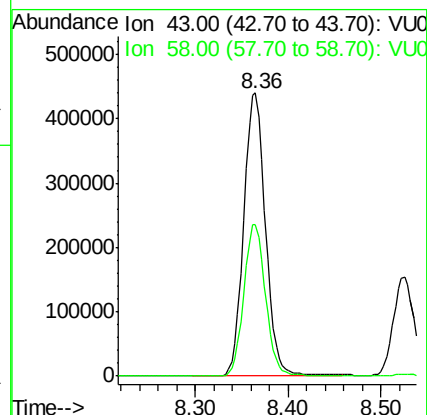
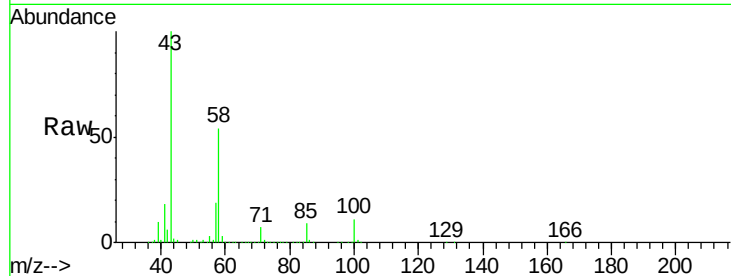
#59
2-Hexanone
Concen: 235.565 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion: 43 Resp: 715576
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0

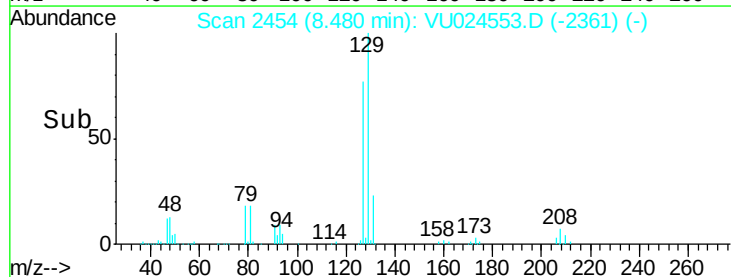
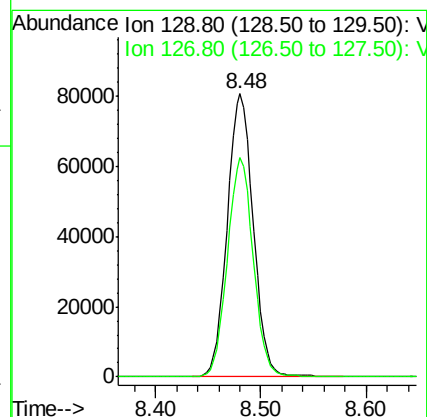
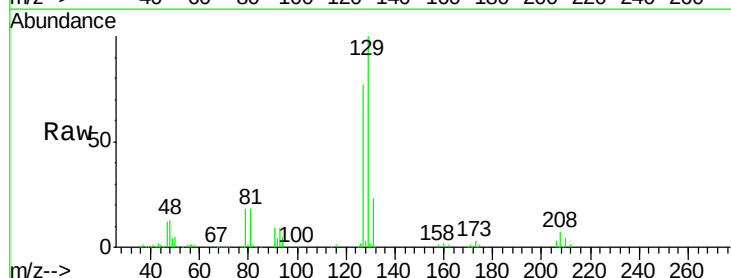
Manual Integrations
APPROVED

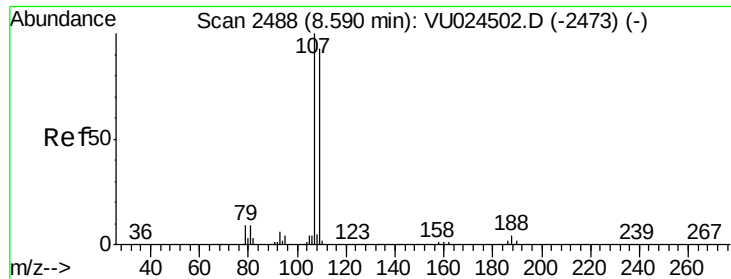
apatel
6/15/2018 3:19:34 PM



#60
Dibromochloromethane
Concen: 47.183 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion: 129 Resp: 137830
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 48.365 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 107 Resp: 126106

Ion Ratio Lower Upper

107 100

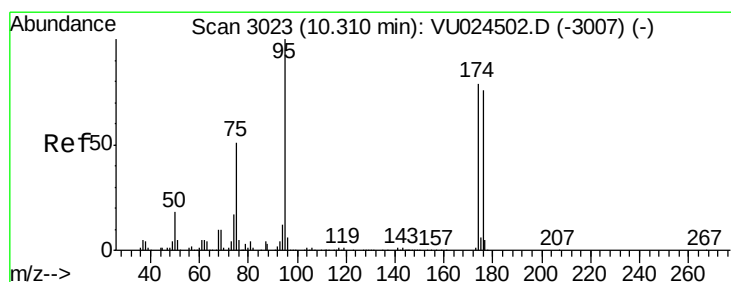
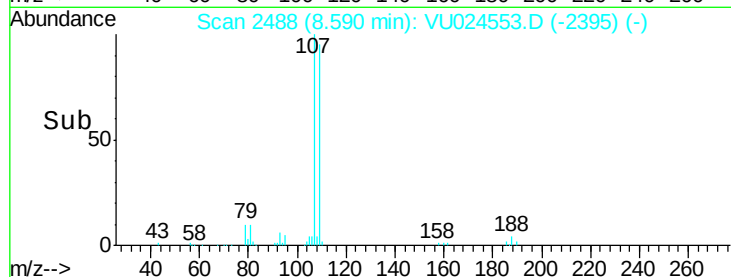
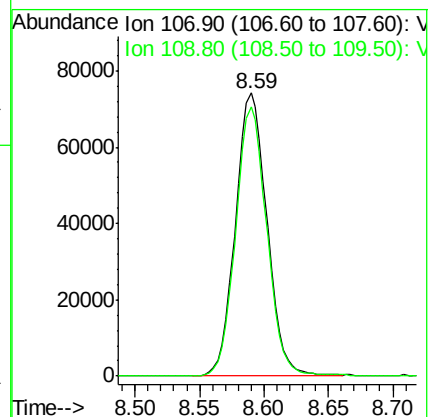
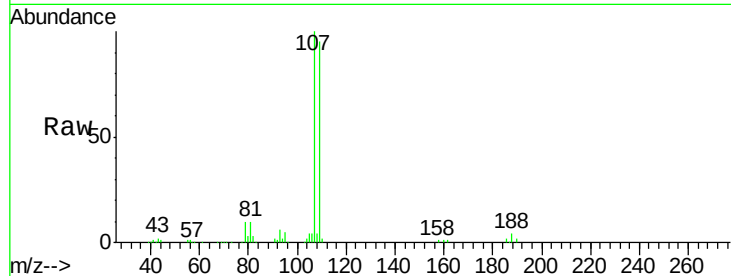
109 94.5 74.5 111.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#62

4-Bromofluorobenzene

Concen: 51.688 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

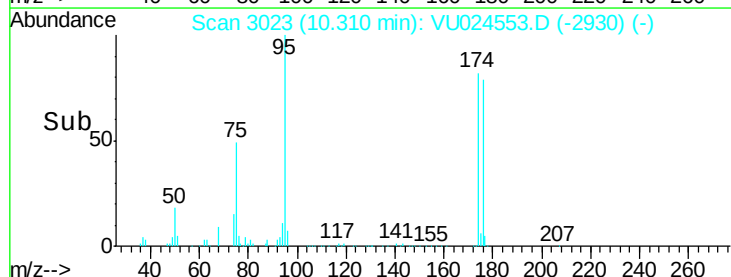
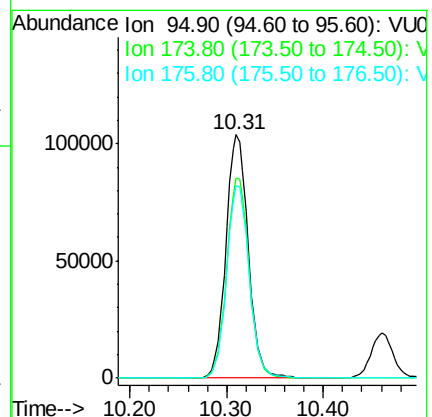
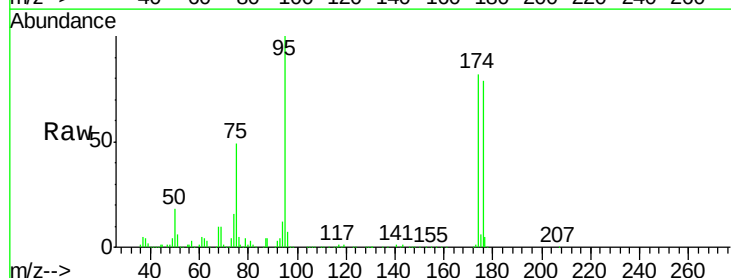
Tgt Ion: 95 Resp: 166198

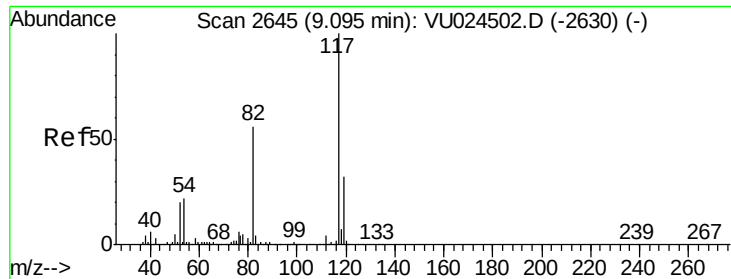
Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.8

176 79.9 0.0 159.4





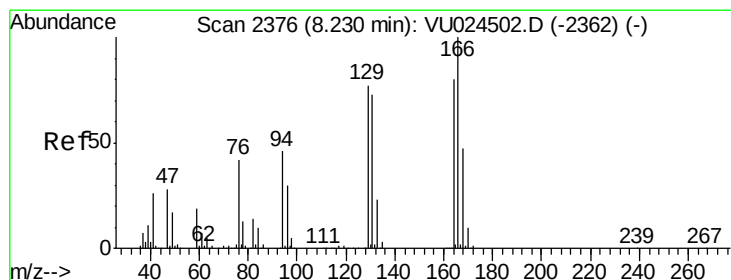
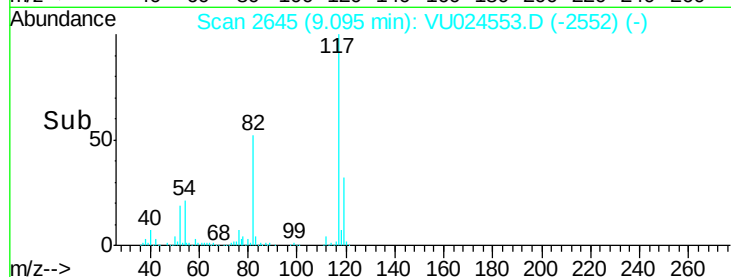
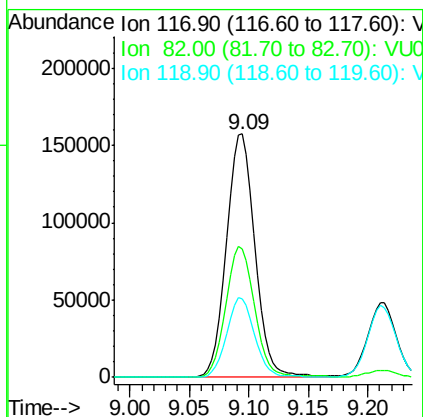
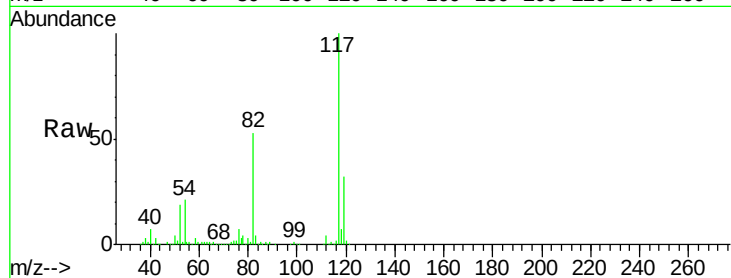
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262964		
82	52.6	44.3	66.5	
119	32.4	25.4	38.2	

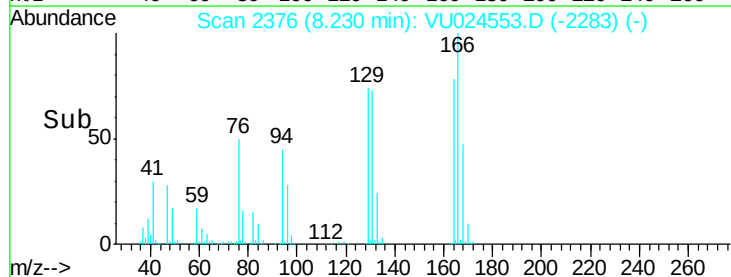
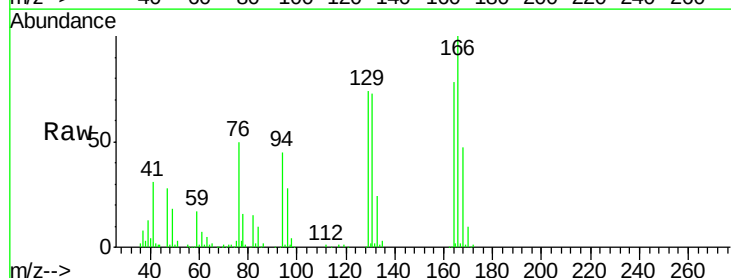
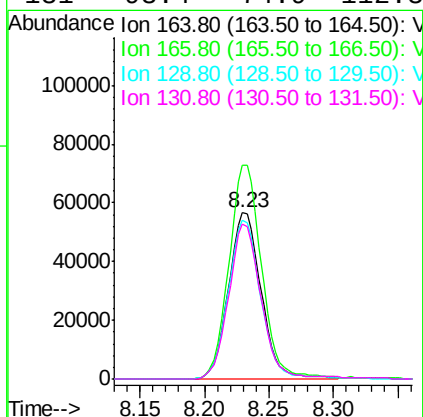
Manual Integrations
APPROVED

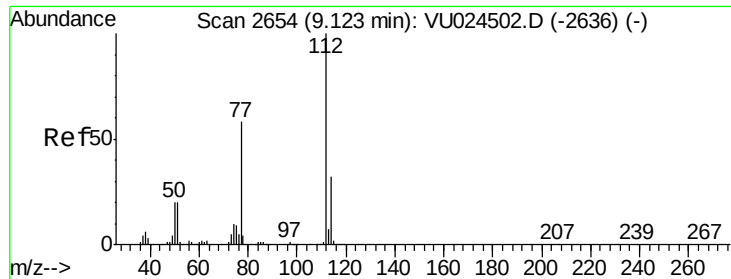
apatel
6/15/2018 3:19:34 PM



#64
Tetrachloroethene
Concen: 39.822 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99537		
166	128.4	101.7	152.5	
129	95.3	76.9	115.3	
131	93.4	74.9	112.3	





#65

Chlorobenzene

Concen: 47.008 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:112 Resp: 315788

Ion Ratio Lower Upper

112 100

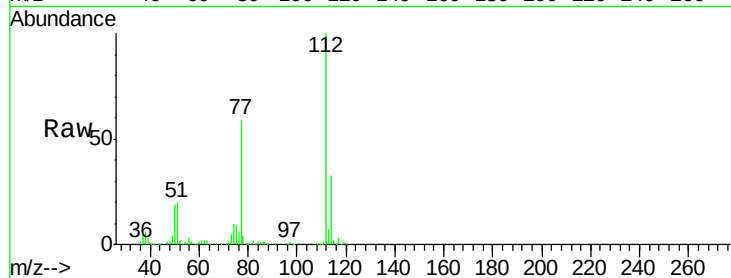
114 32.7 25.6 38.4

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

100000

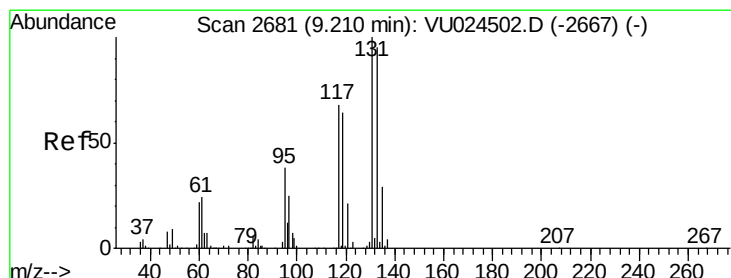
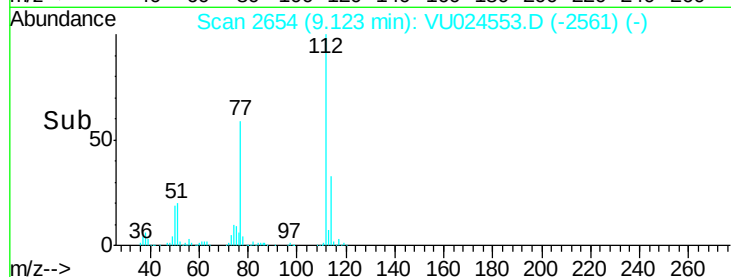
50000

0

9.12

9.10 9.12 9.14 9.16 9.18 9.20 9.22 9.24 9.26 9.28 9.30

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.490 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

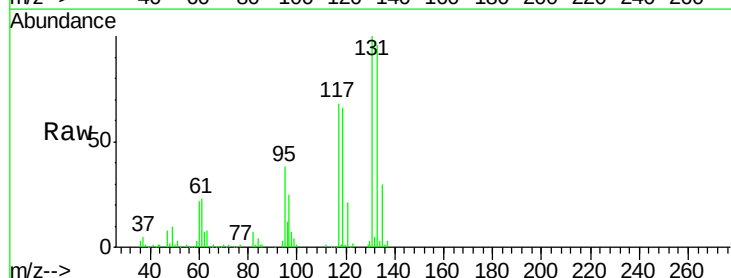
Tgt Ion:131 Resp: 118652

Ion Ratio Lower Upper

131 100

133 95.6 46.9 140.8

119 64.8 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

40000

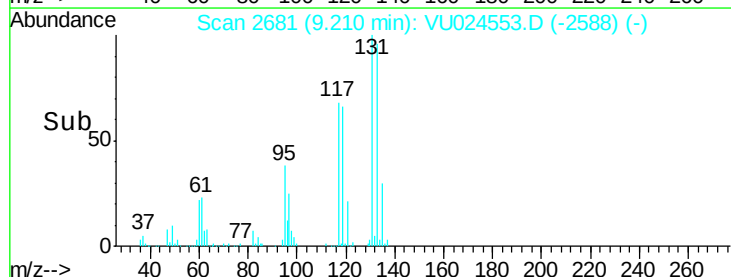
20000

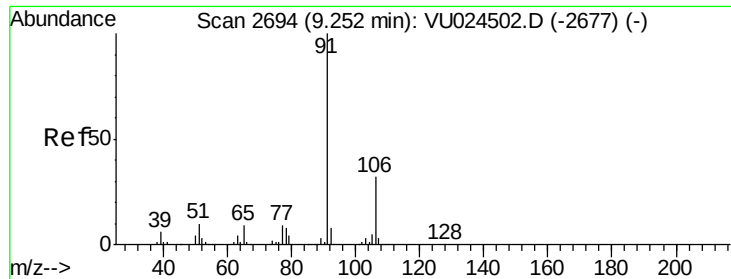
0

9.21

9.15 9.21 9.25 9.30

Time-->





#67

Ethyl Benzene

Concen: 46.011 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 91 Resp: 541866

Ion Ratio Lower Upper

91 100

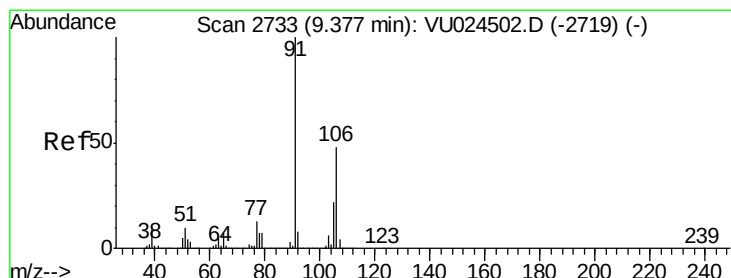
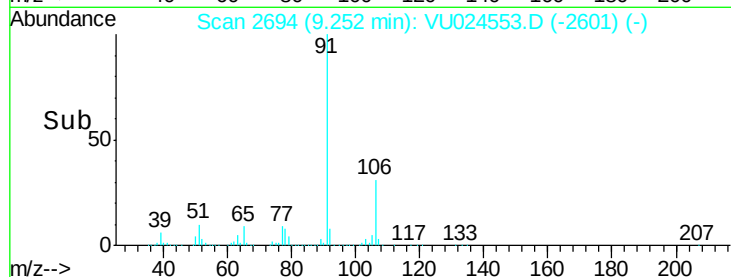
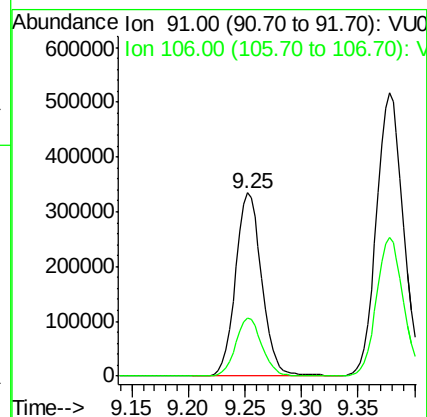
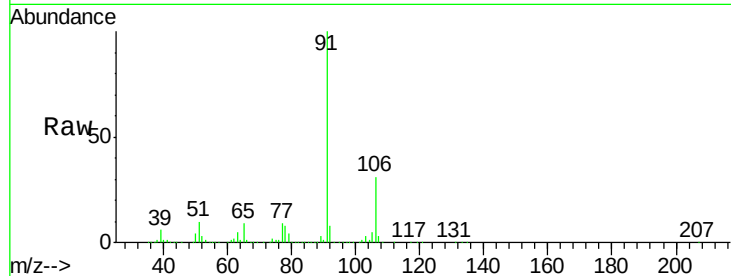
106 31.5 24.2 36.4

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#68

m/p-Xylenes

Concen: 92.883 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024553.D

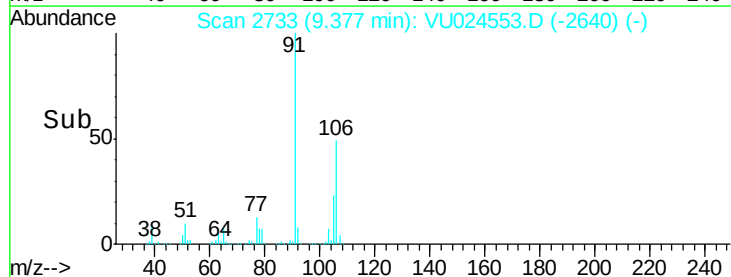
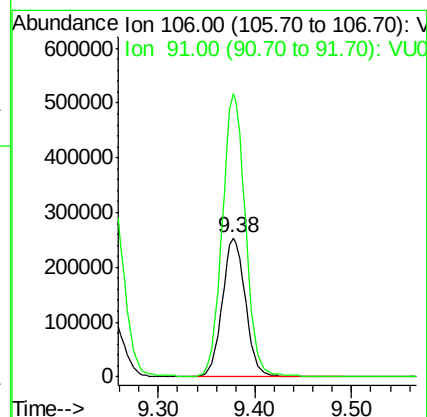
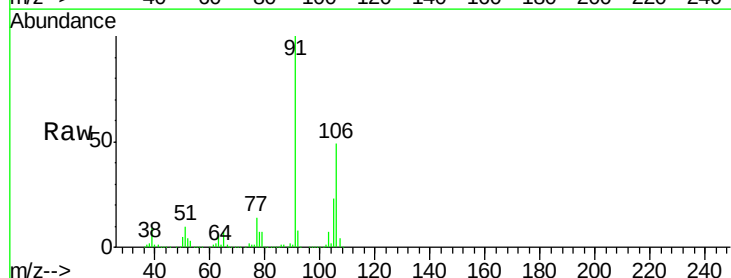
Acq: 14 Jun 2018 20:21

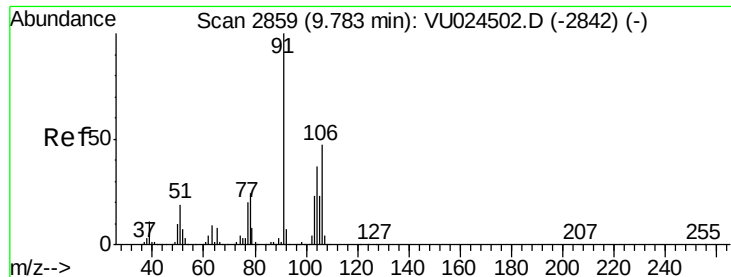
Tgt Ion: 106 Resp: 420043

Ion Ratio Lower Upper

106 100

91 204.3 166.5 249.7





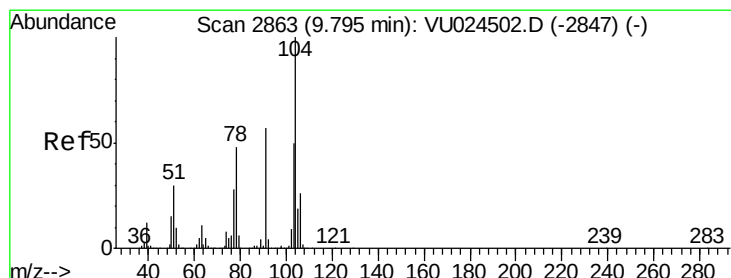
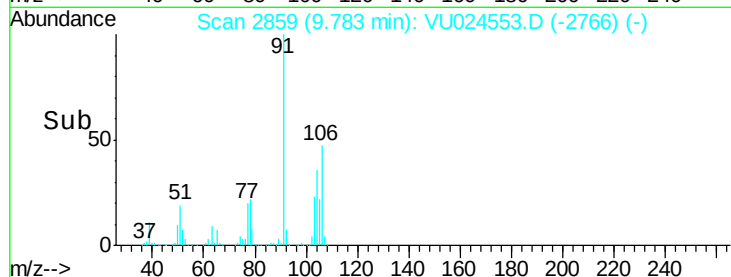
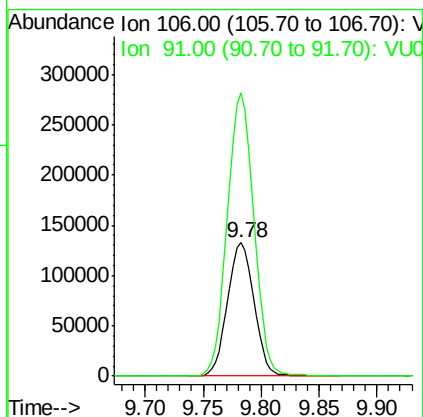
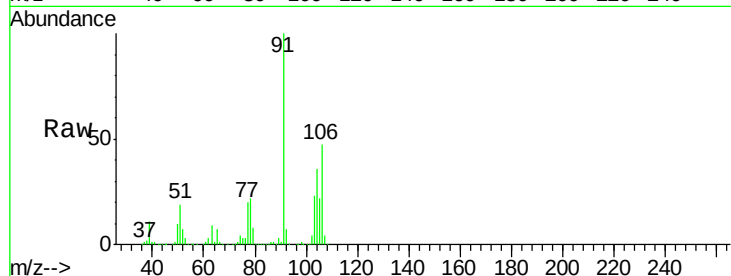
#69
o-Xylene
Concen: 46.788 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.5	110.7	331.9

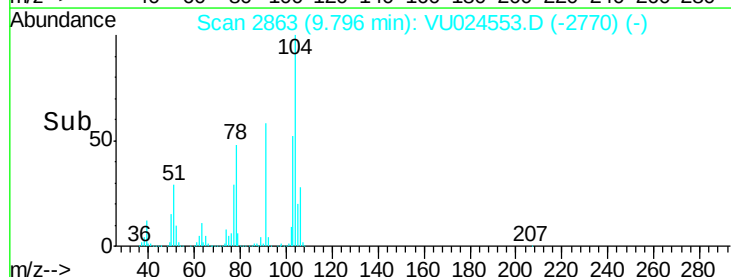
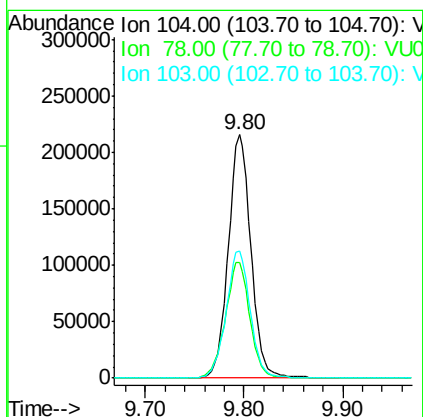
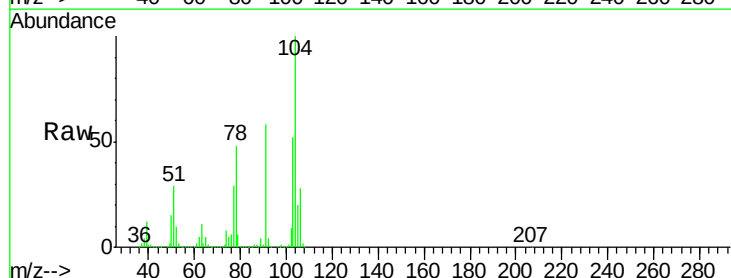
Manual Integrations
APPROVED

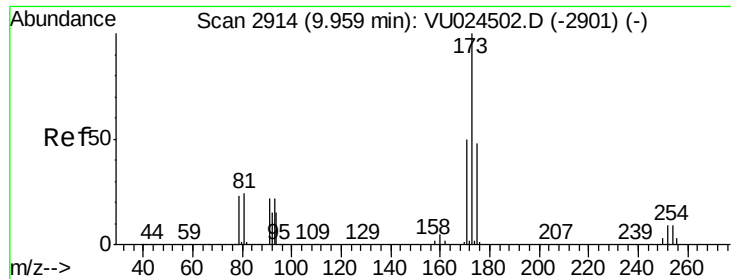
apatel
6/15/2018 3:19:34 PM



#70
Styrene
Concen: 47.187 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.6	60.8
103	55.5	44.7	67.1





#71

Bromoform

Concen: 46.917 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

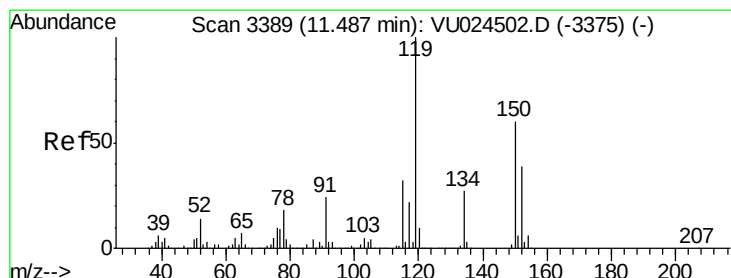
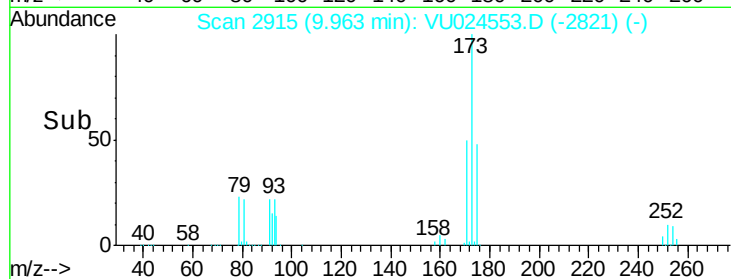
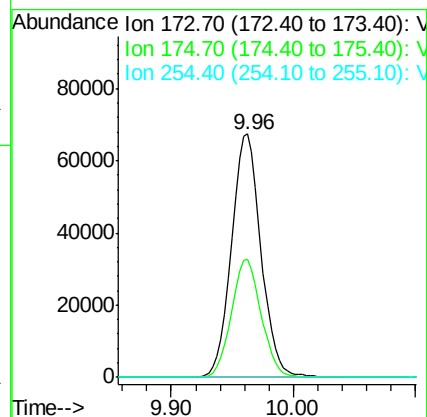
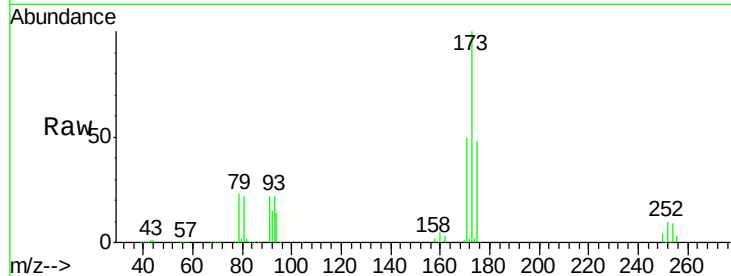
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	173	Resp:	113814
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

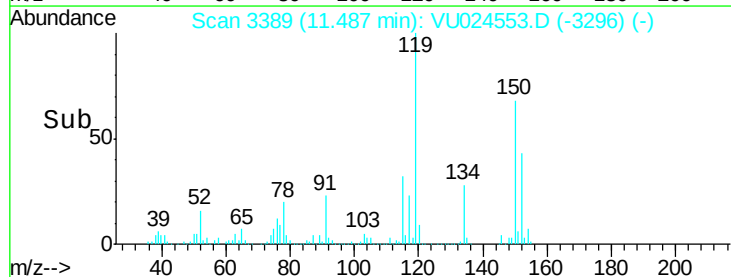
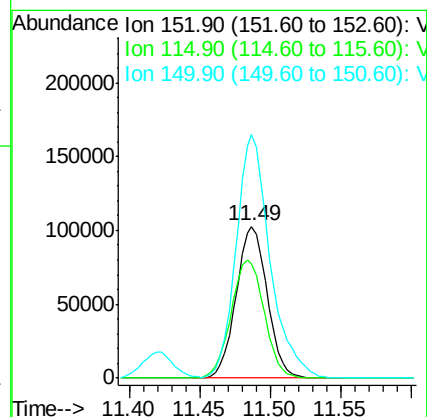
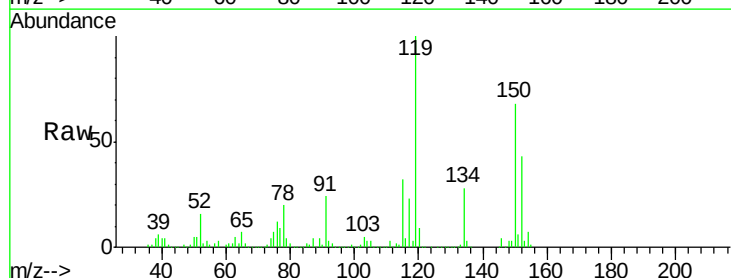
RT: 11.49 min Scan# 3389

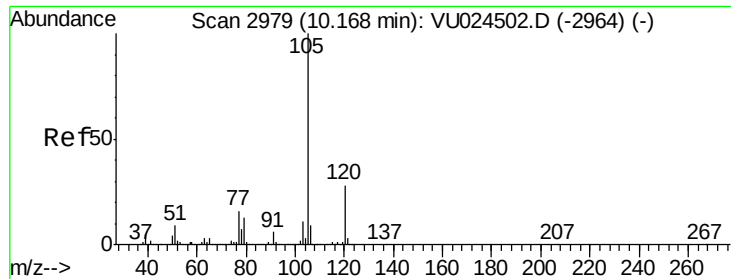
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	152	Resp:	158571
Ion Ratio	Lower	Upper	
152	100		
115	82.8	43.0	129.0
150	174.9	0.0	354.0





#73

Isopropylbenzene

Concen: 45.391 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:105 Resp: 552607

Ion Ratio Lower Upper

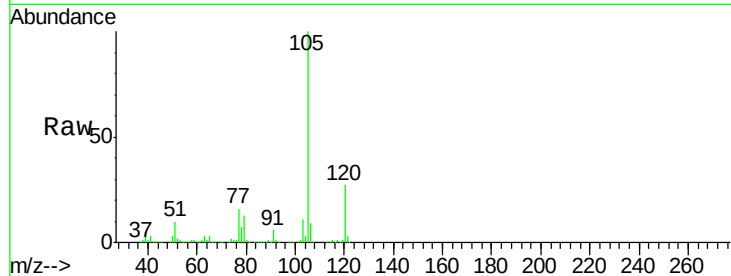
105 100

120 26.9 13.2 39.6

Manual Integrations
APPROVED

apatel

6/15/2018 3:19:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

400000

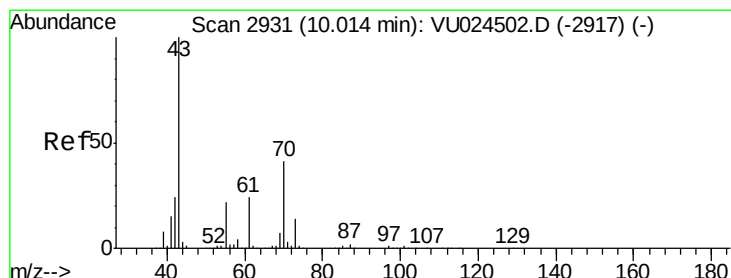
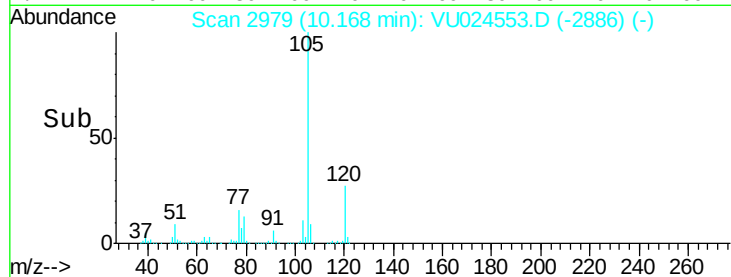
300000

200000

100000

0

Time--> 10.10 10.20



#74

N-ethyl acetate

Concen: 43.851 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion: 43 Resp: 253931

Ion Ratio Lower Upper

43 100

70 40.2 32.2 48.4

55 22.5 20.5 30.7

61 23.8 18.7 28.1

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

250000

200000

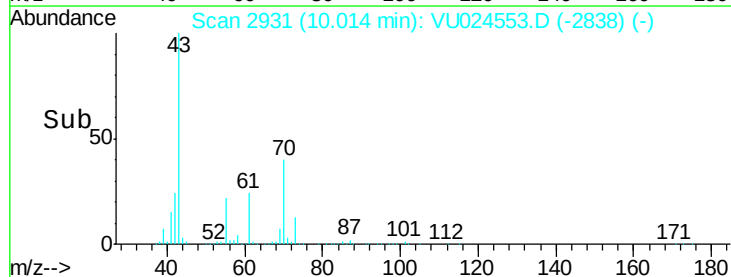
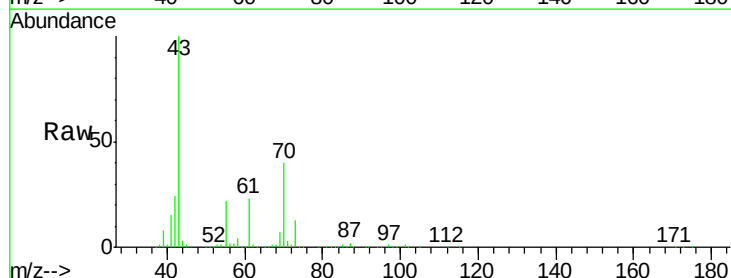
150000

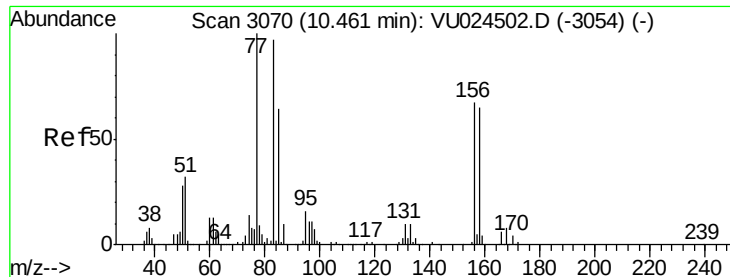
100000

50000

0

Time--> 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 47.781 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 83 Resp: 194933

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

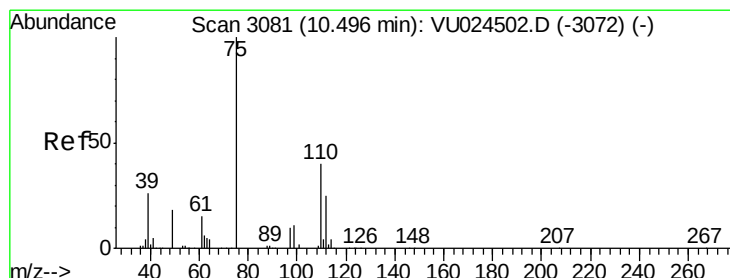
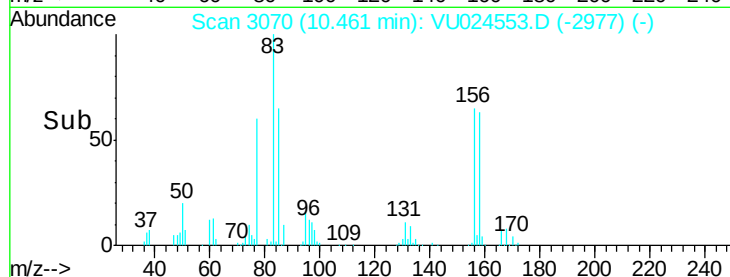
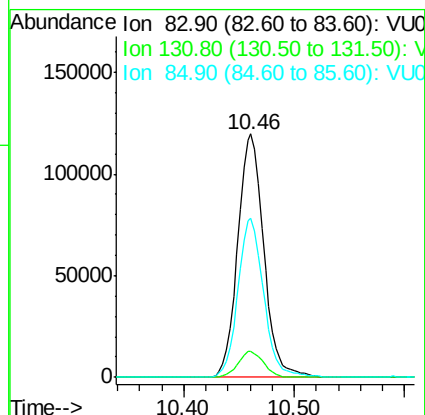
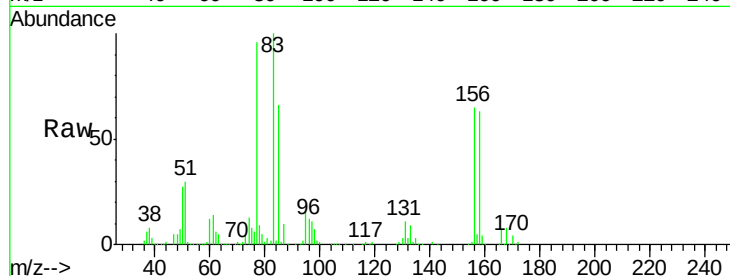
85 65.0 32.5 97.5

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#76

1,2,3-Trichloropropane

Concen: 45.795 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024553.D

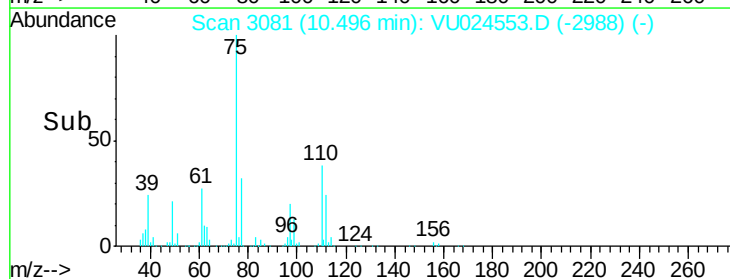
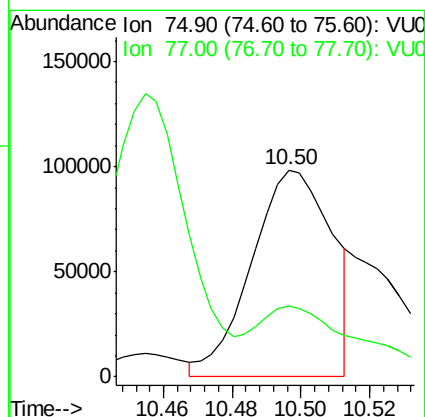
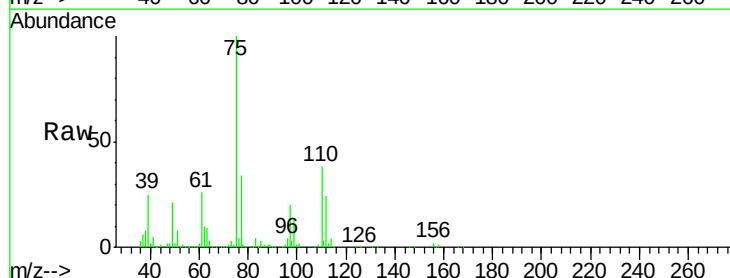
Acq: 14 Jun 2018 20:21

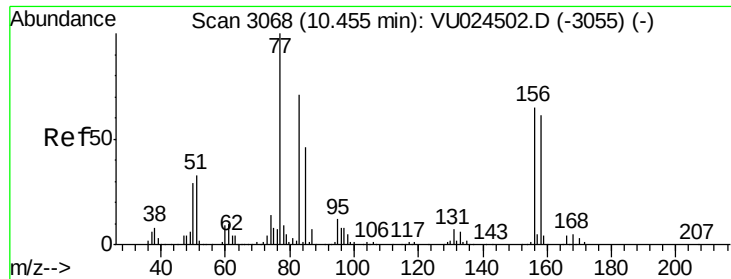
Tgt Ion: 75 Resp: 159879

Ion Ratio Lower Upper

75 100

77 43.2 20.9 62.7





#77

Bromobenzene

Concen: 46.536 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

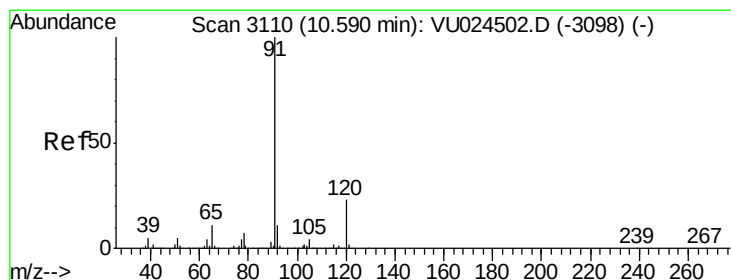
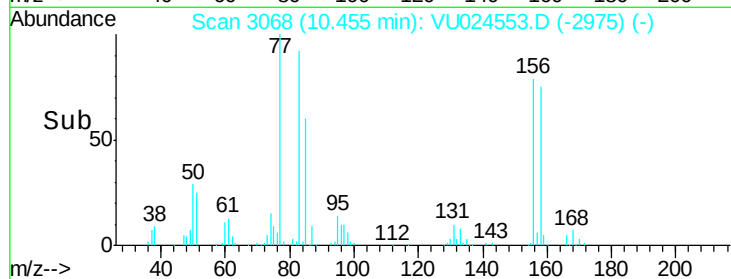
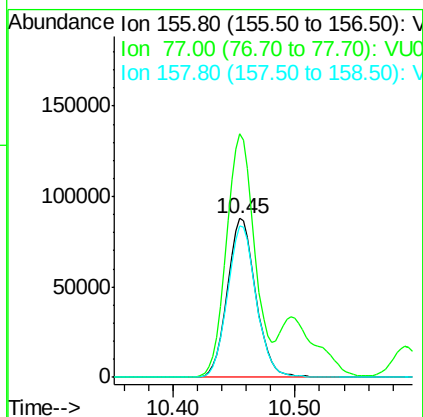
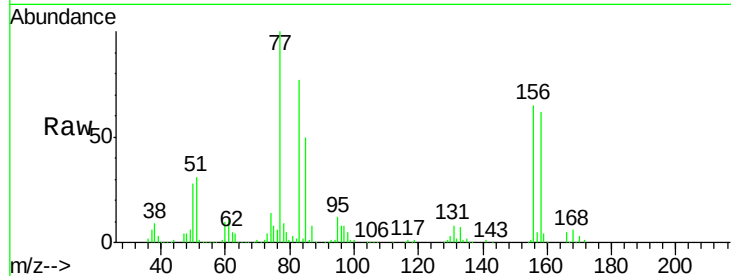
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	151.9	80.5	241.3		
158	96.1	48.2	144.6		

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#78

n-propylbenzene

Concen: 45.646 ug/l

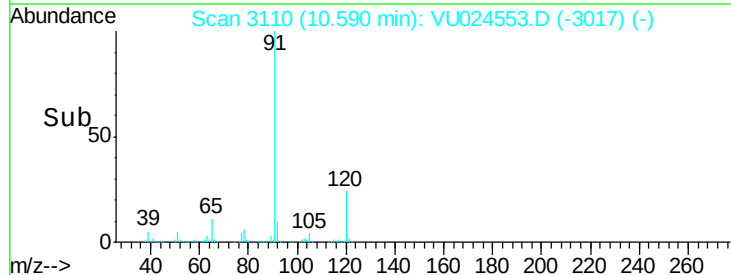
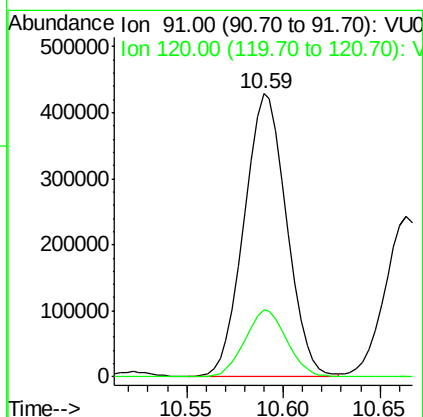
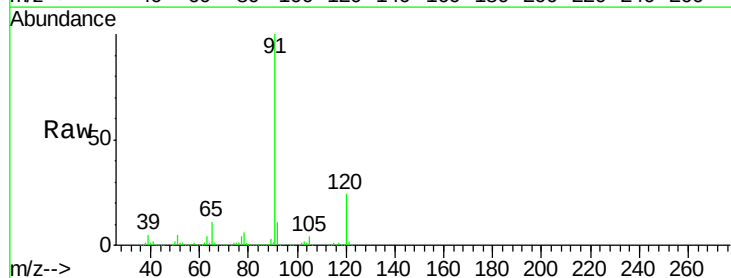
RT: 10.59 min Scan# 3110

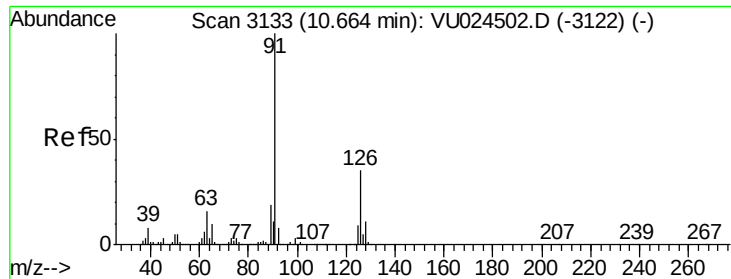
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.5	11.2	33.5		





#79

2-Chlorotoluene

Concen: 45.102 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion: 91 Resp: 381441

Ion Ratio Lower Upper

91 100

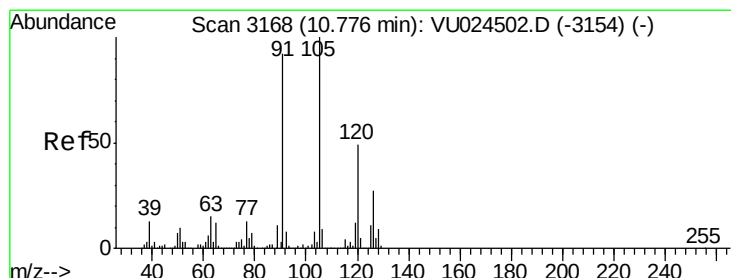
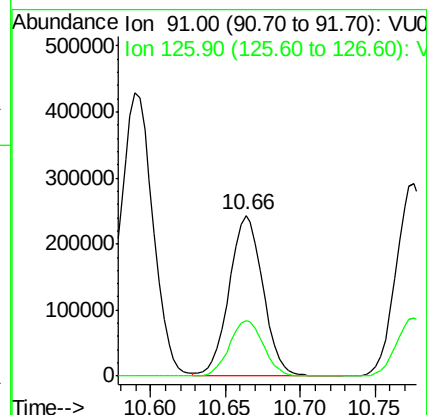
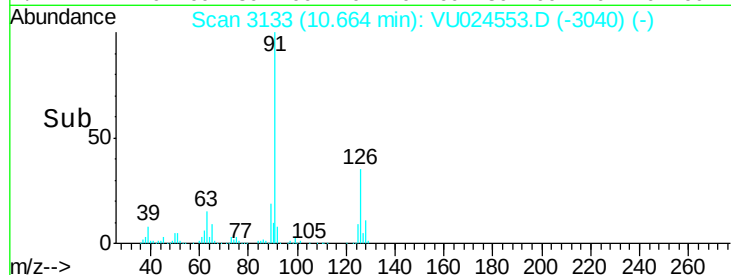
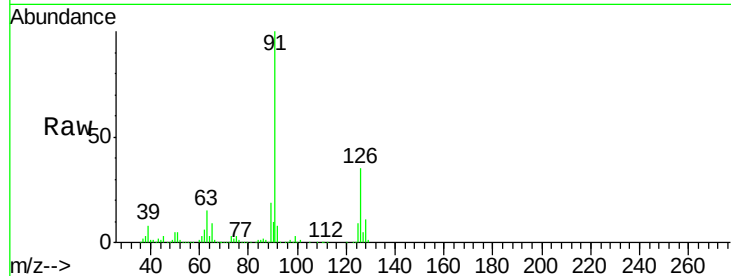
126 35.0 16.9 50.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.210 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024553.D

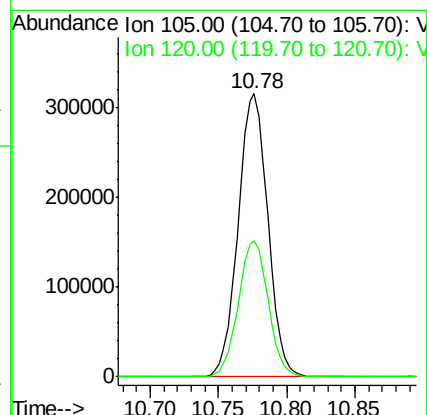
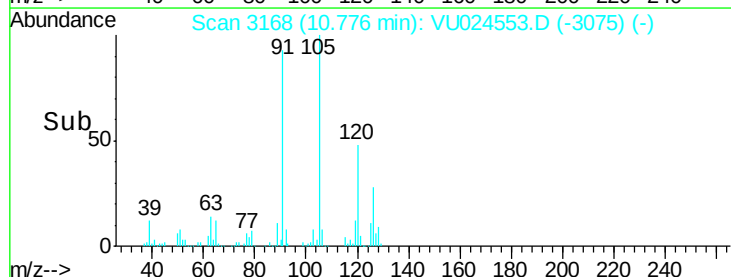
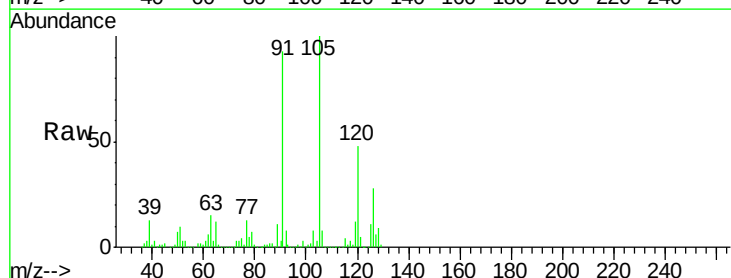
Acq: 14 Jun 2018 20:21

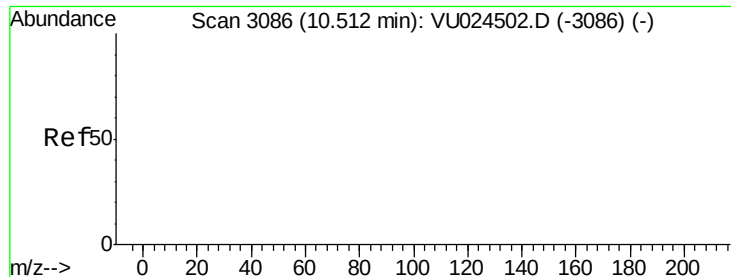
Tgt Ion: 105 Resp: 477057

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2





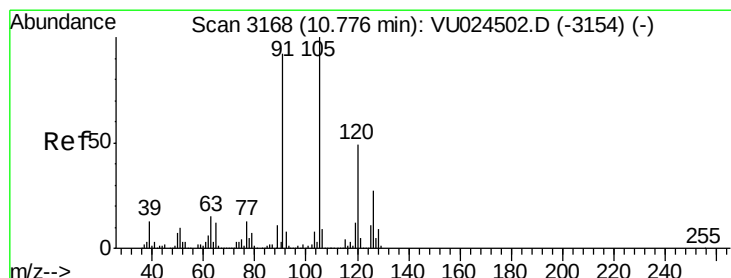
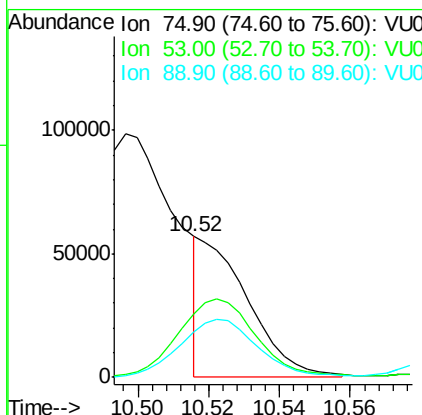
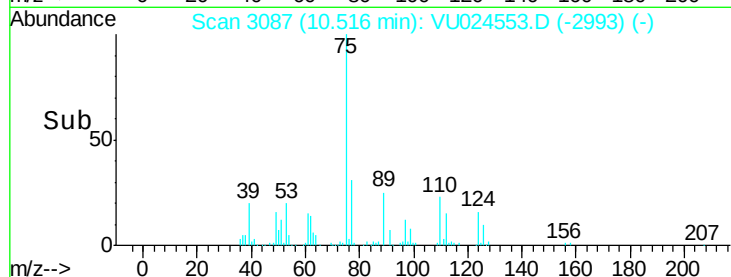
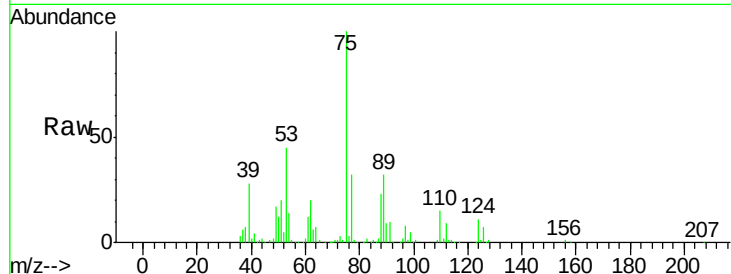
#81
trans-1,4-Dichloro-2-butene
Concen: 35.527 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

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

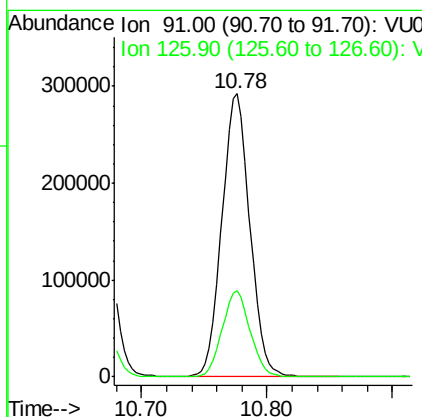
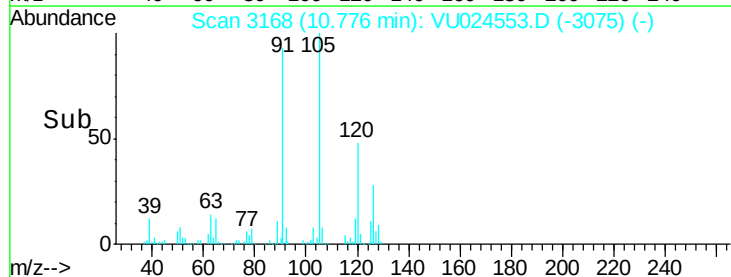
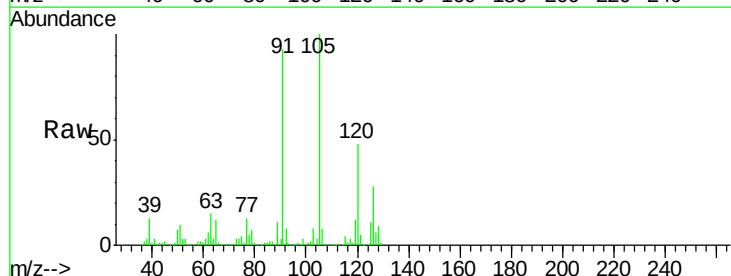
Manual Integrations
APPROVED

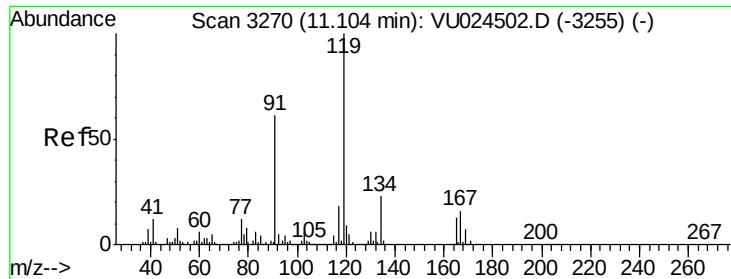
apatel
6/15/2018 3:19:34 PM



#82
4-Chlorotoluene
Concen: 45.956 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	14.9	44.9





#83

tert-Butylbenzene

Concen: 46.631 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

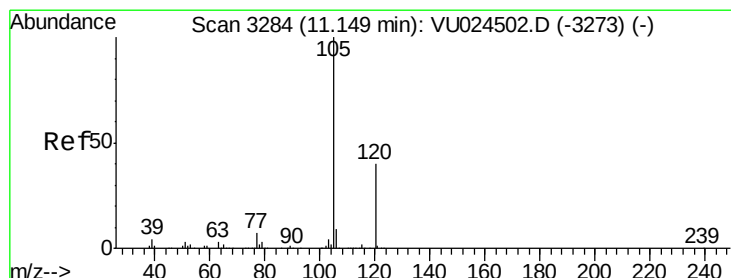
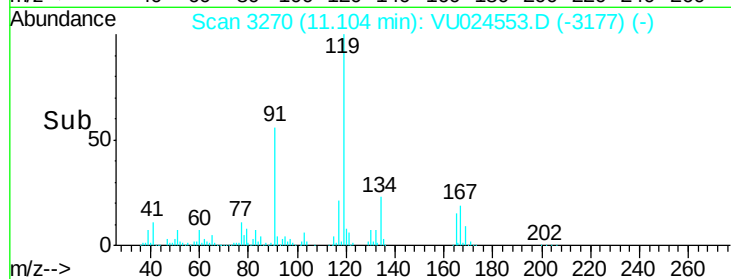
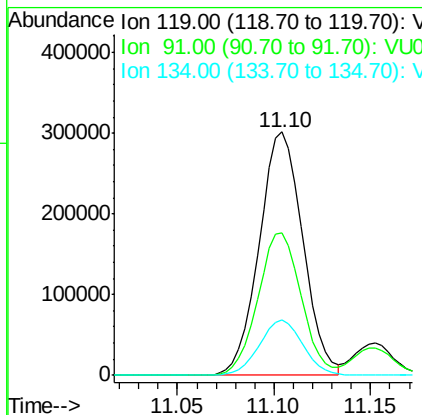
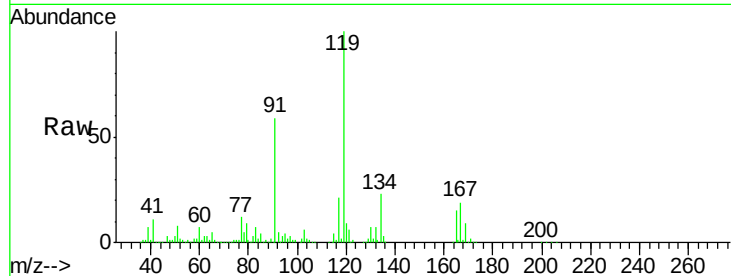
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	119	Resp:	473326
Ion Ratio	Lower	Upper	
119	100		
91	58.2	29.7	89.1
134	22.6	11.6	34.7

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#84

1,2,4-Trimethylbenzene

Concen: 45.076 ug/l

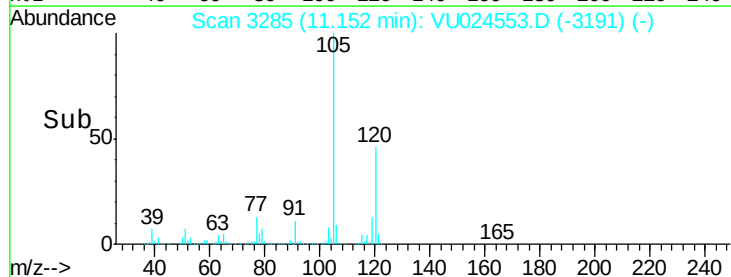
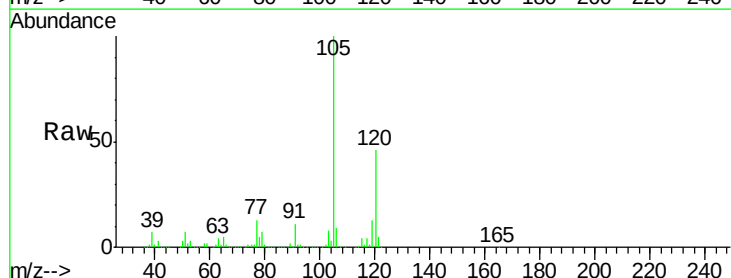
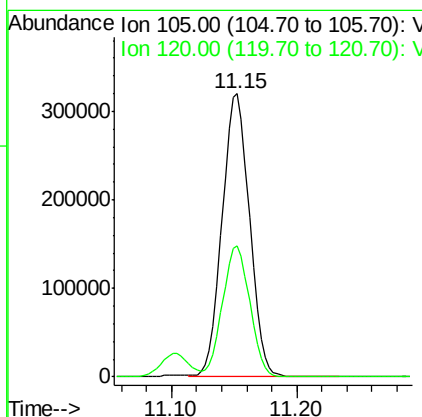
RT: 11.15 min Scan# 3285

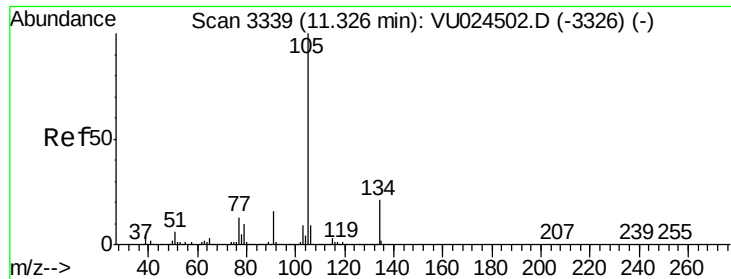
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	105	Resp:	484729
Ion Ratio	Lower	Upper	
105	100		
120	46.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 45.580 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:105 Resp: 579119

Ion Ratio Lower Upper

105 100

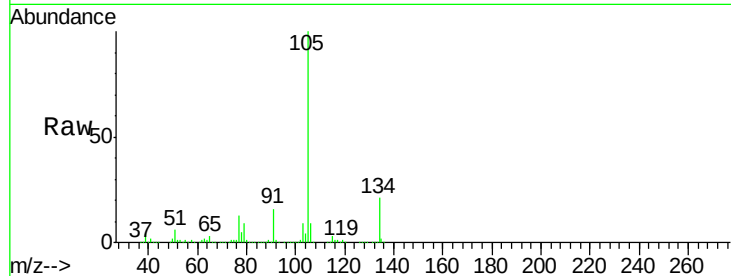
134 20.7 9.7 29.1

Manual Integrations

APPROVED

apatel

6/15/2018 3:19:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

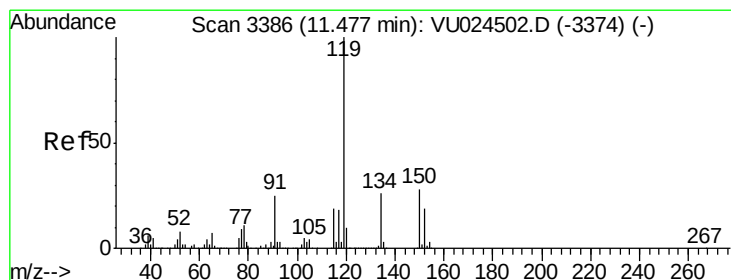
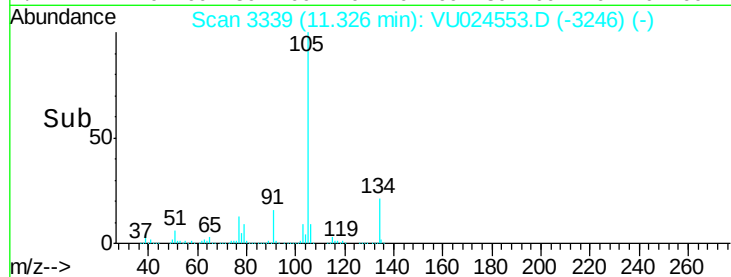
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 44.979 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

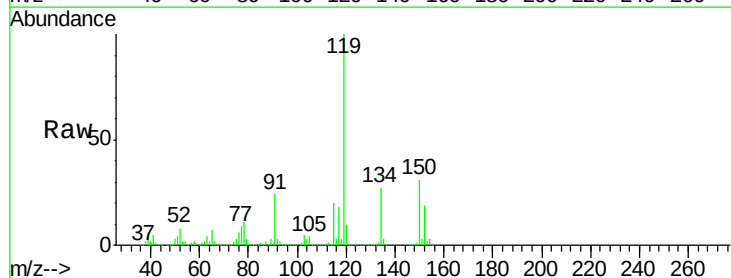
Tgt Ion:119 Resp: 511829

Ion Ratio Lower Upper

119 100

134 27.2 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

400000

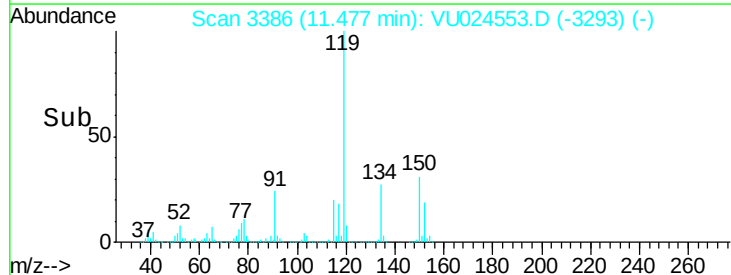
300000

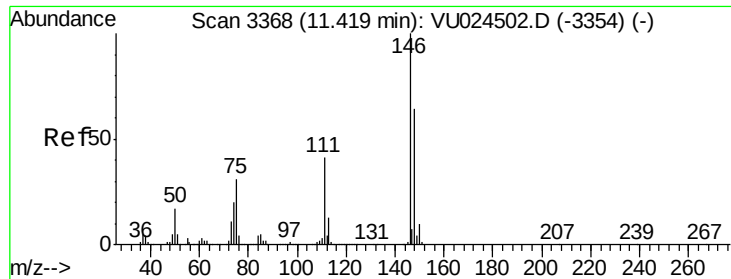
200000

100000

0

Time-->





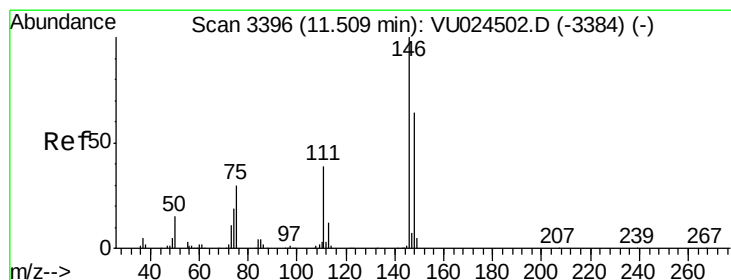
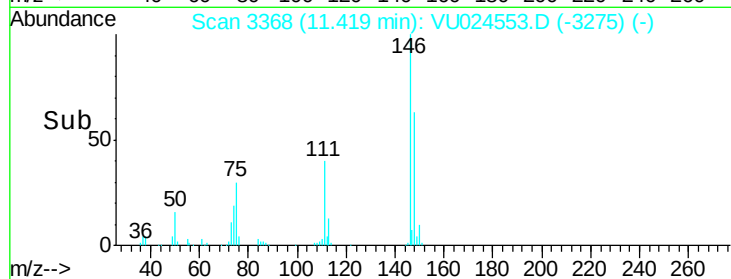
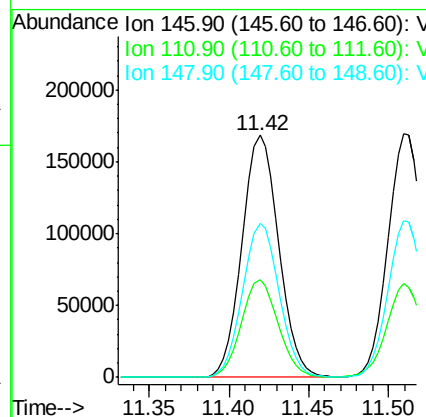
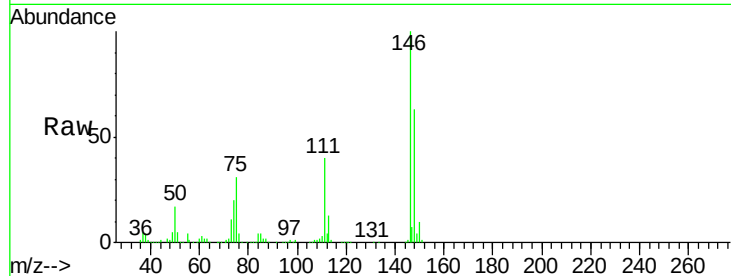
#87
 1,3-Dichlorobenzene
 Concen: 46.219 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Instrument :
 MSVOA_U
 ClientSampleId :
 T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	32.1	96.5

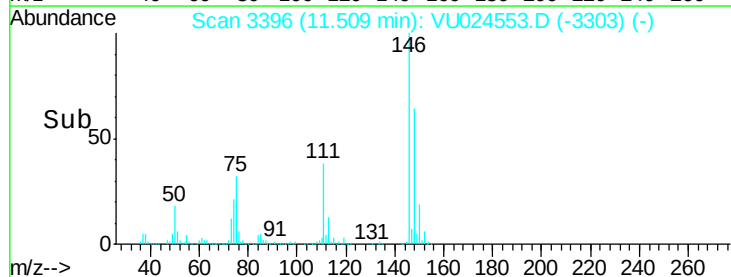
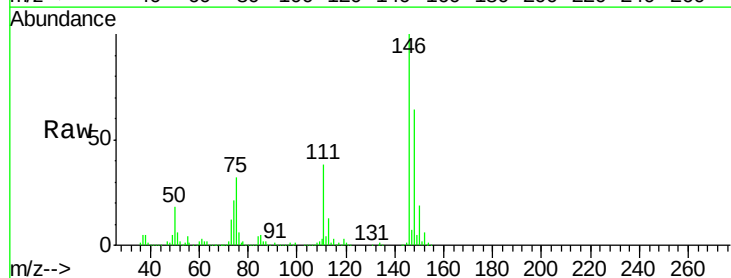
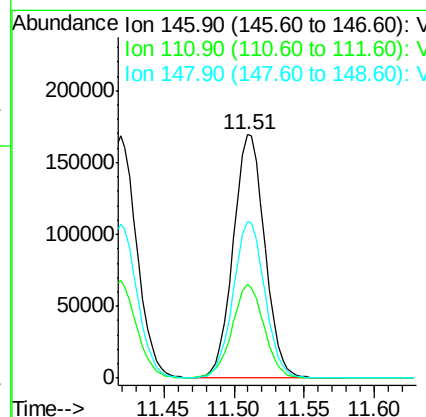
Manual Integrations
 APPROVED

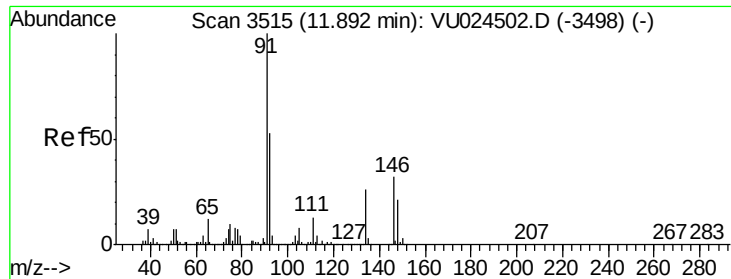
apatel
 6/15/2018 3:19:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.284 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024553.D
 Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.8	32.4	97.0





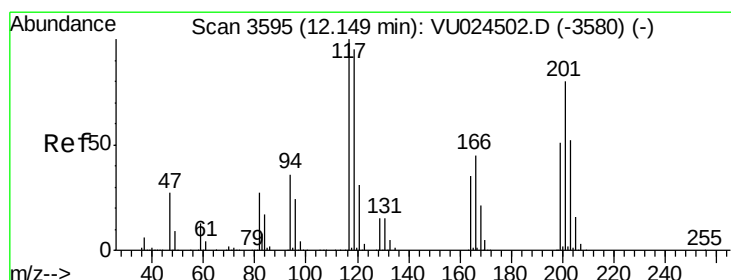
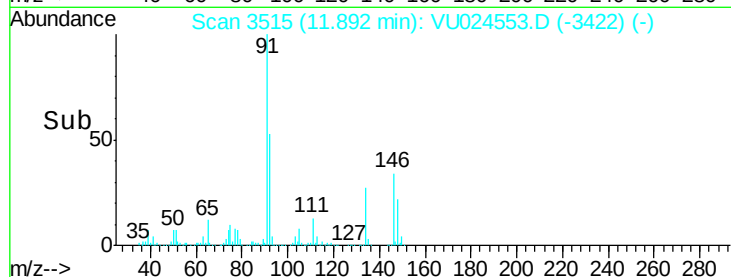
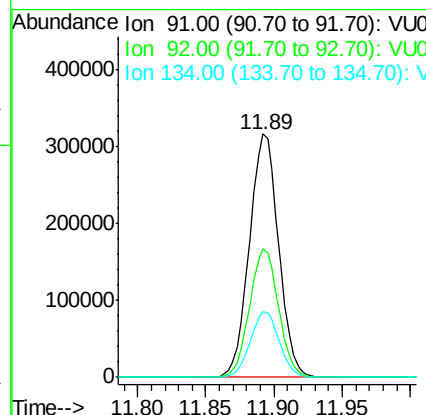
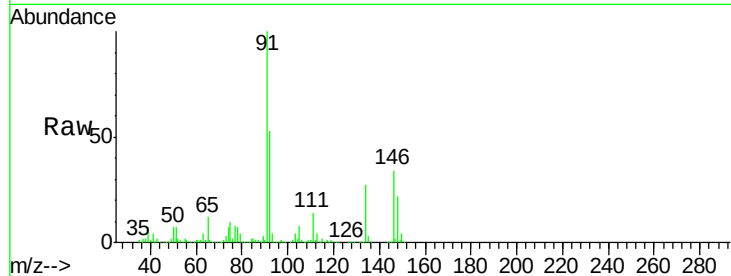
#89
n-Butylbenzene
Concen: 46.537 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Instrument :
MSVOA_U
ClientSampleId :
T3-MW-5-9.0-061118MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.6	76.8
134	26.8	12.3	36.8

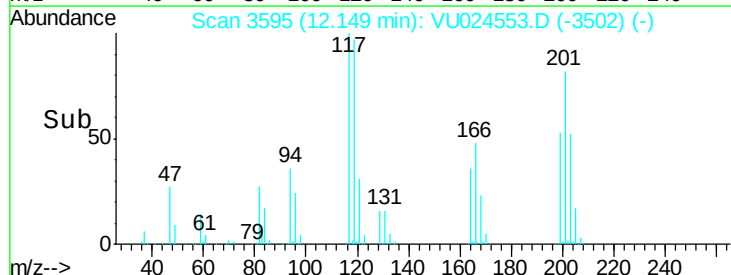
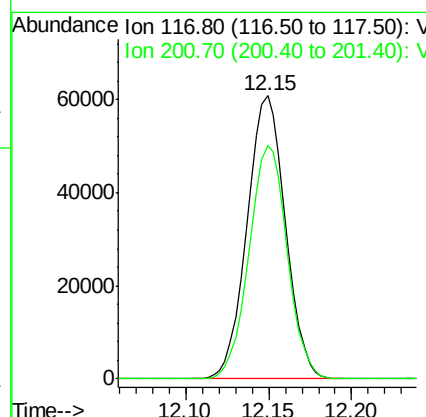
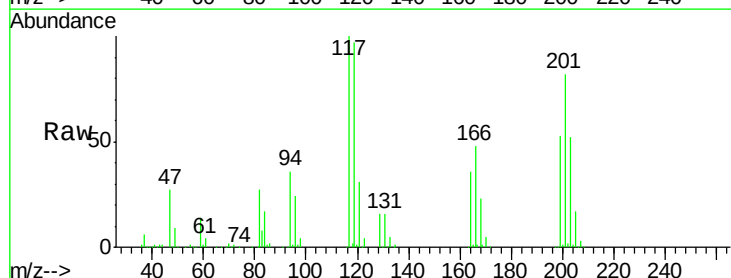
Manual Integrations
APPROVED

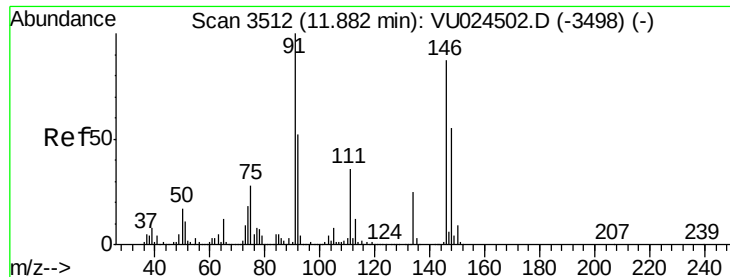
apatel
6/15/2018 3:19:34 PM



#90
Hexachloroethane
Concen: 44.186 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024553.D
Acq: 14 Jun 2018 20:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 46.026 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

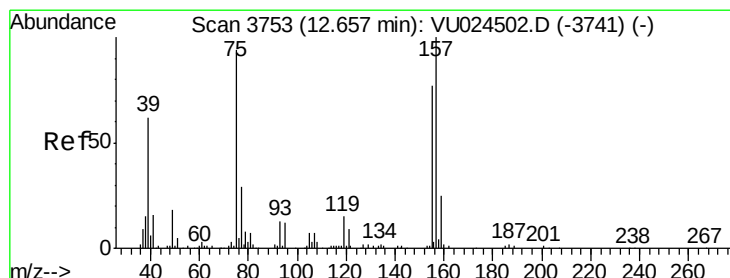
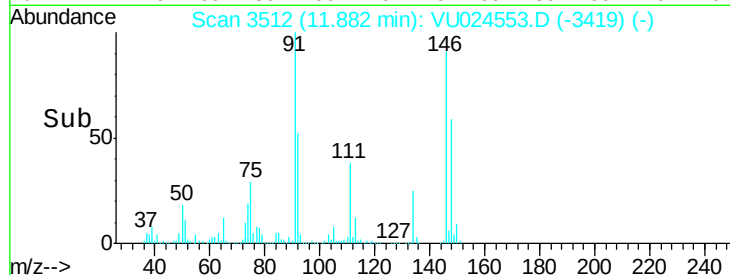
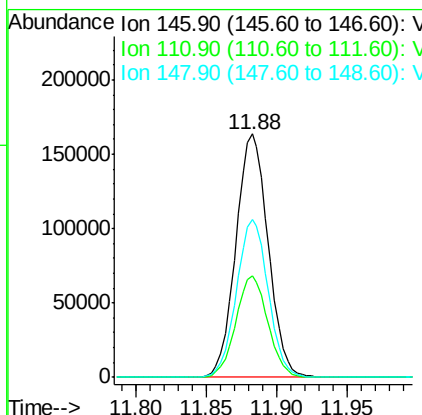
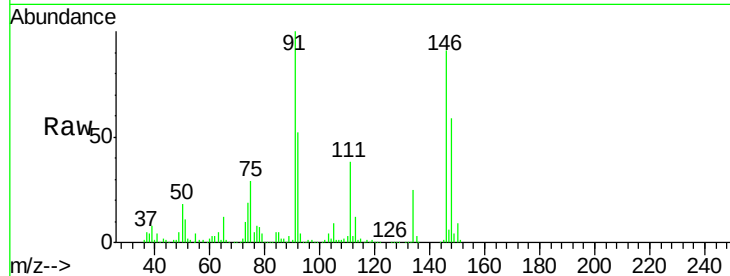
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	146	Resp:	262506
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.5	61.6
148	64.0	31.9	95.7

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.372 ug/l

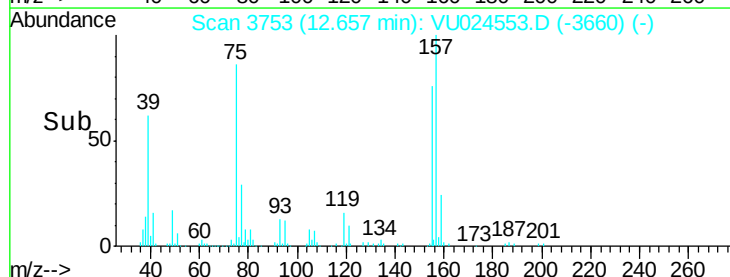
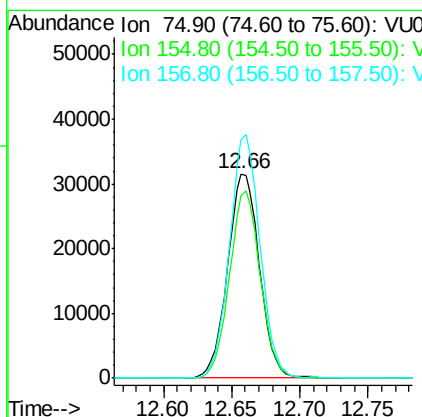
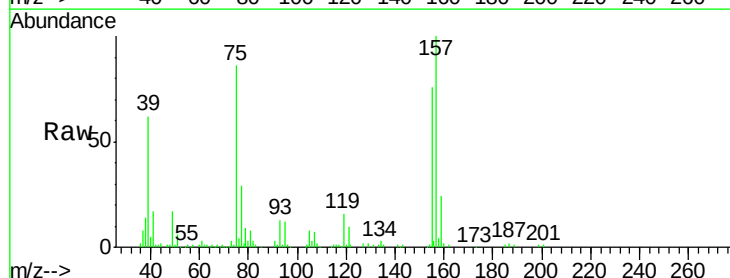
RT: 12.66 min Scan# 3753

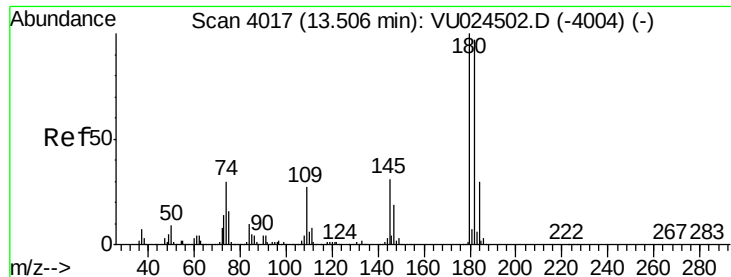
Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	75	Resp:	51075
Ion Ratio	Lower	Upper	
75	100		
155	88.7	40.4	121.2
157	114.2	52.3	156.8





#93

1,2,4-Trichlorobenzene

Concen: 52.900 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

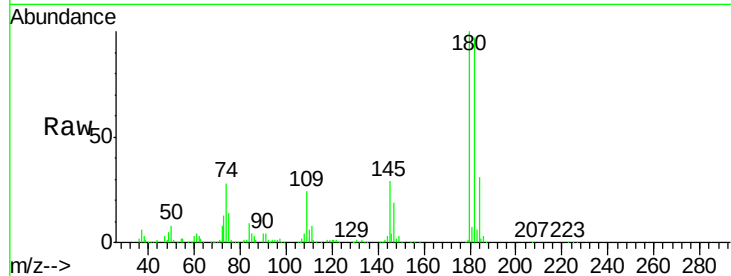
ClientSampleId :

T3-MW-5-9.0-061118MS

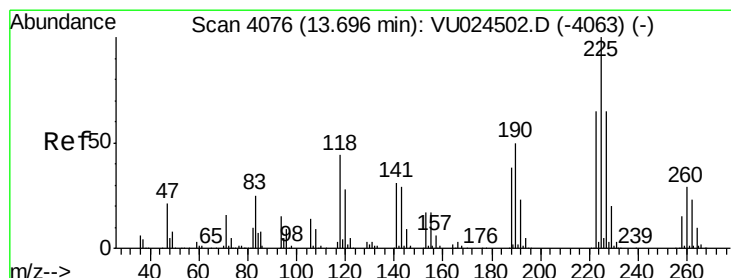
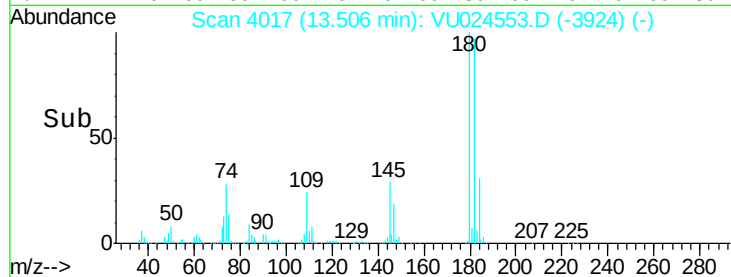
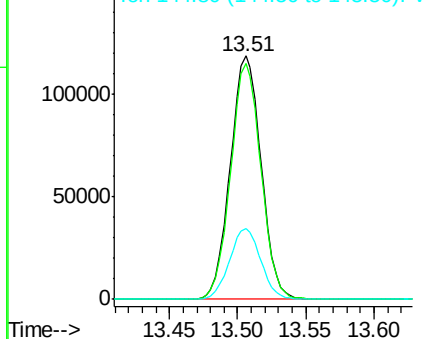
Tot Ion:	180	Resp:	186314
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.0	144.2
145	29.6	14.7	44.1

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 43.461 ug/l

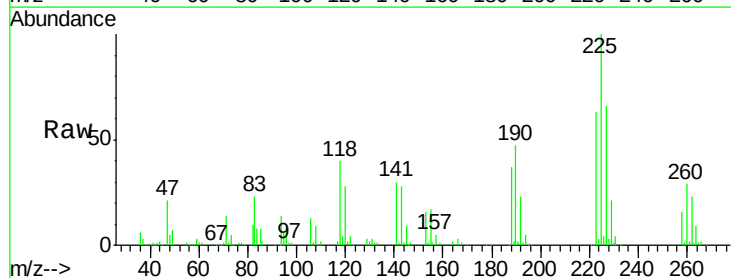
RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

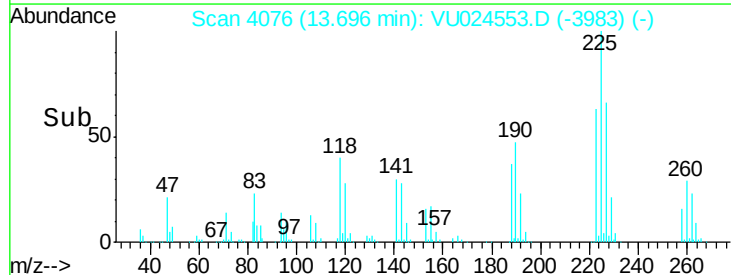
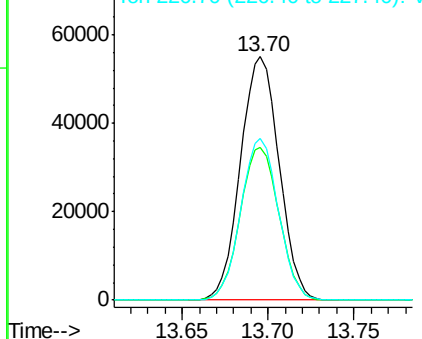
Lab File: VU024553.D

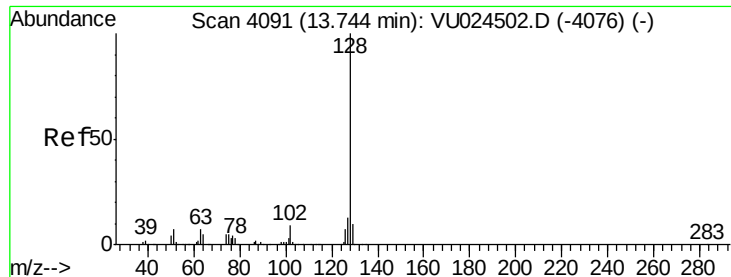
Acq: 14 Jun 2018 20:21

Tgt Ion:	225	Resp:	86157
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.3	93.8
227	64.4	31.8	95.4



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





#95

Naphthalene

Concen: 50.075 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Instrument :

MSVOA_U

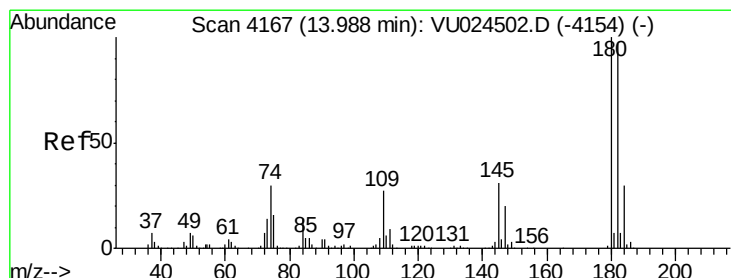
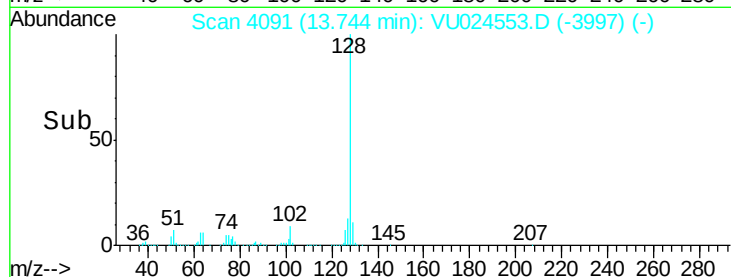
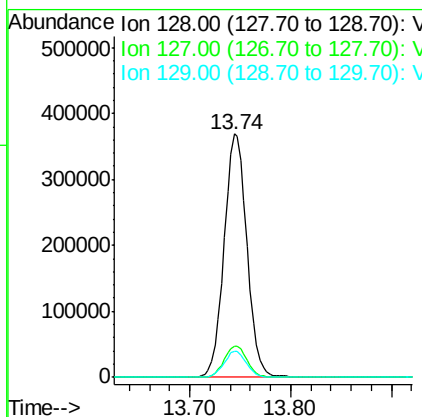
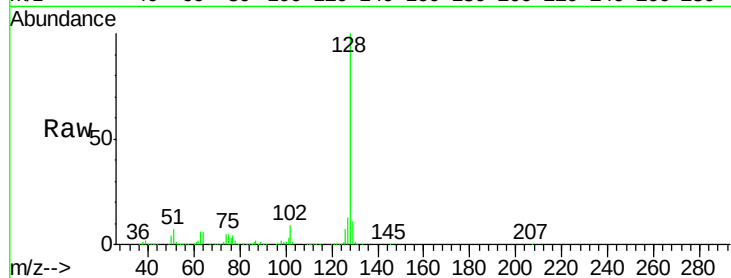
ClientSampleId :

T3-MW-5-9.0-061118MS

Tot Ion:	128	Resp:	583868
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:19:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.835 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024553.D

Acq: 14 Jun 2018 20:21

Tgt Ion:	180	Resp:	188932
Ion Ratio		Lower	Upper
180	100		
182	96.5	47.9	143.7
145	31.3	15.4	46.1

