

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025107.D
 Acq On : 30 Jun 2018 22:52
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:17:40 PM

Quant Time: Jul 02 07:46:44 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	168550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258785	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151524	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	126883	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
35) Dibromofluoromethane	4.89	113	102728	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
50) Toluene-d8	7.57	98	333281	42.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	10.31	95	142756	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	89399	42.37	ug/l	99
3) Chloromethane	1.33	50	106178	49.26	ug/l	100
4) Vinyl Chloride	1.40	62	108594	48.85	ug/l	97
5) Bromomethane	1.62	94	60144	55.97	ug/l	99
6) Chloroethane	1.69	64	69379	55.98	ug/l	99
7) Trichlorofluoromethane	1.89	101	173790	51.23	ug/l	98
8) Diethyl Ether	2.10	74	65095	56.64	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101319	48.14	ug/l	97
10) Methyl Iodide	2.41	142	102172	56.59	ug/l	98
11) Tert butyl alcohol	2.82	59	166567	248.90	ug/l	99
12) 1,1-Dichloroethene	2.28	96	95759	49.90	ug/l	96
13) Acrolein	2.19	56	53883	153.33	ug/l	98
14) Allyl chloride	2.59	41	162863	45.70	ug/l	98
15) Acrylonitrile	2.93	53	338091	259.66	ug/l	99
16) Acetone	2.32	43	320329	216.67	ug/l	98
17) Carbon Disulfide	2.48	76	264518	43.04	ug/l	99
18) Methyl Acetate	2.62	43	205520	64.84	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	388218	53.81	ug/l	95
20) Methylene Chloride	2.70	84	117059	50.46	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	105368	49.85	ug/l	98
22) Diisopropyl ether	3.57	45	369381	52.29	ug/l	97
23) Vinyl Acetate	3.53	43	1536212	242.77	ug/l	99
24) 1,1-Dichloroethane	3.45	63	211508	52.05	ug/l	98
25) 2-Butanone	4.26	43	494994	249.26	ug/l	97
26) 2,2-Dichloropropane	4.23	77	144368	37.41	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	135111	55.60	ug/l	96
28) Bromochloromethane	4.55	49	82973	46.36	ug/l	85
29) Tetrahydrofuran	4.63	42	314490	255.73	ug/l	96
30) Chloroform	4.68	83	225513	54.83	ug/l	99
31) Cyclohexane	5.00	56	189320	52.56	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	206033	54.17	ug/l	97
36) 1,1-Dichloropropene	5.14	75	156207	51.37	ug/l	97
37) Ethyl Acetate	4.38	43	180936	54.59	ug/l	98
38) Carbon Tetrachloride	5.14	117	181494	54.27	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025107.D
 Acq On : 30 Jun 2018 22:52
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 7/2/2018 4:17:40 PM

Quant Time: Jul 02 07:46:44 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	189656	49.98	ug/l	96
40) Benzene	5.39	78	469165	54.14	ug/l	99
41) Methacrylonitrile	4.54	41	102877	57.57	ug/l	98
42) 1,2-Dichloroethane	5.41	62	192878	58.44	ug/l	99
43) Isopropyl Acetate	5.55	43	293822	51.29	ug/l	99
44) Trichloroethene	6.19	130	133903	54.30	ug/l	94
45) 1,2-Dichloropropane	6.44	63	123164	53.27	ug/l	100
46) Dibromomethane	6.56	93	88480	54.48	ug/l	94
47) Bromodichloromethane	6.76	83	173369	53.61	ug/l #	99
48) Methyl methacrylate	6.62	41	152075	54.51	ug/l	98
49) 1,4-Dioxane	6.61	88	68858	1262.14	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	957070	265.90	ug/l	98
52) Toluene	7.64	92	301725	54.12	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	179152	49.33	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	188606	48.74	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	123448	54.48	ug/l	98
56) Ethyl methacrylate	8.02	69	196434	51.79	ug/l	99
57) 1,3-Dichloropropane	8.25	76	212081	55.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	344132	236.84	ug/l	95
59) 2-Hexanone	8.36	43	760368	258.76	ug/l	99
60) Dibromochloromethane	8.48	129	142413	50.40	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136471	54.11	ug/l	98
64) Tetrachloroethene	8.23	164	129995	56.13	ug/l	97
65) Chlorobenzene	9.12	112	349267	56.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	128389	54.29	ug/l	97
67) Ethyl Benzene	9.25	91	595205	54.55	ug/l	98
68) m/p-Xylenes	9.38	106	464691	110.90	ug/l	97
69) o-Xylene	9.78	106	233179	56.23	ug/l	95
70) Styrene	9.80	104	371613	54.53	ug/l	98
71) Bromoform	9.96	173	112849	50.21	ug/l #	99
73) Isopropylbenzene	10.17	105	621579	53.43	ug/l	100
74) N-amyl acetate	10.01	43	259411	46.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	205835	52.80	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	187894m	56.32	ug/l	
77) Bromobenzene	10.45	156	158656	53.87	ug/l	94
78) n-propylbenzene	10.59	91	698288	50.95	ug/l	97
79) 2-Chlorotoluene	10.66	91	422766	52.31	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	533763	52.94	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	59153m	41.04	ug/l	
82) 4-Chlorotoluene	10.78	91	486601	51.73	ug/l	100
83) tert-Butylbenzene	11.10	119	527019	54.34	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	538516	52.41	ug/l	100
85) sec-Butylbenzene	11.33	105	629718	51.87	ug/l	98
86) p-Isopropyltoluene	11.48	119	550116	50.59	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	287435	52.83	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	286829	52.37	ug/l	99
89) n-Butylbenzene	11.89	91	437831	45.35	ug/l	97
90) Hexachloroethane	12.15	117	98210	46.30	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	296282	54.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53072	49.34	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU063018\
Data File : VU025107.D
Acq On : 30 Jun 2018 22:52
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

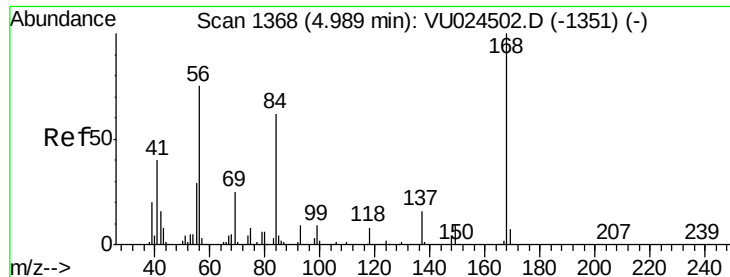
Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM

Quant Time: Jul 02 07:46:44 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	181610	53.96	ug/l	99
94) Hexachlorobutadiene	13.70	225	97080	51.25	ug/l	99
95) Naphthalene	13.74	128	600822	53.87	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	192516	57.41	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 168550

Ion Ratio Lower Upper

168 100

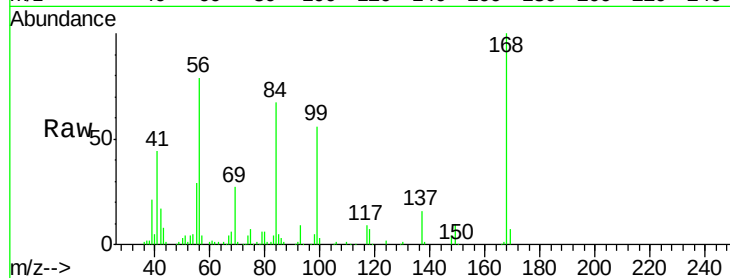
99 55.6 43.2 64.8

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



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

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

4.99

80000

60000

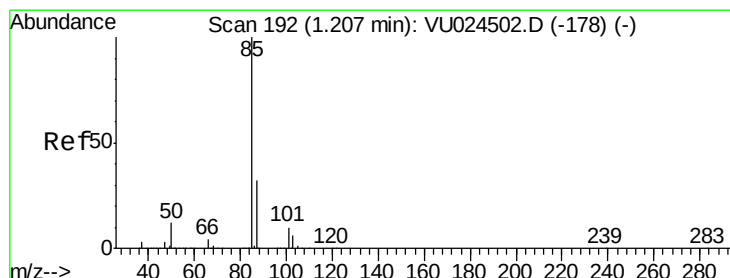
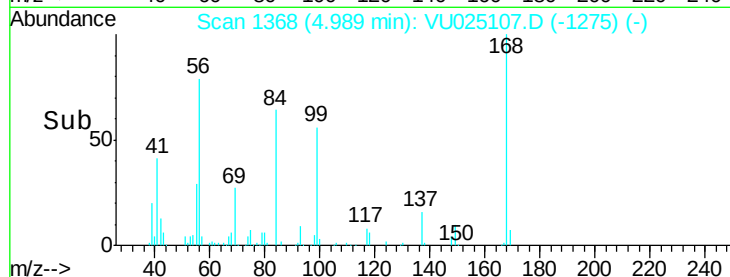
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.37 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025107.D

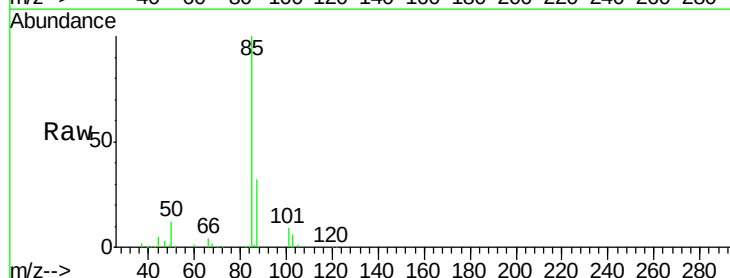
Acq: 30 Jun 2018 22:52

Tgt Ion: 85 Resp: 89399

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



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

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

1.20

100000

80000

60000

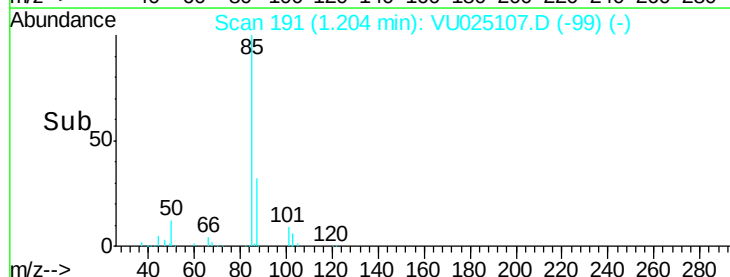
40000

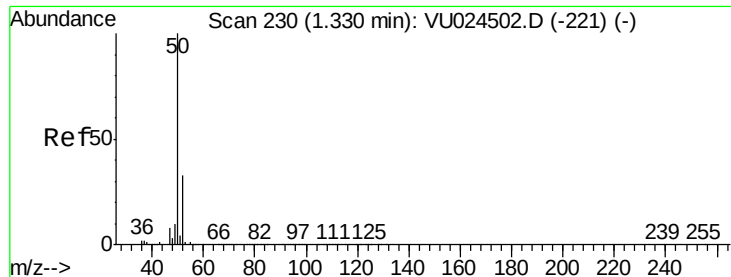
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.26 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106178

Ion Ratio Lower Upper

50 100

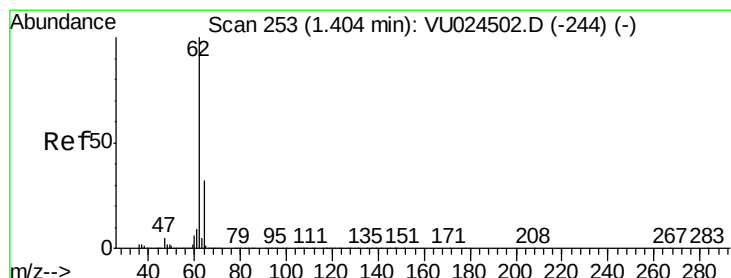
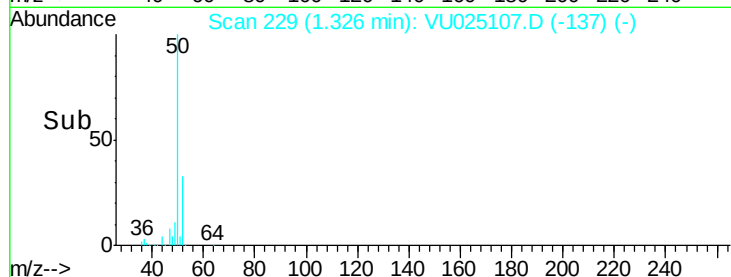
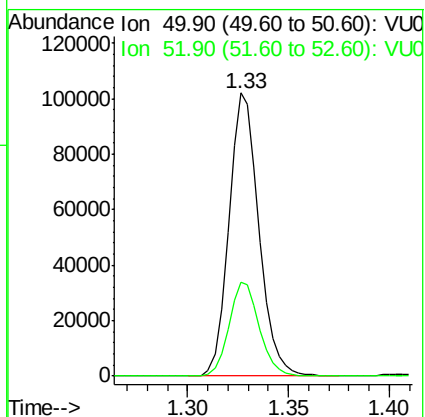
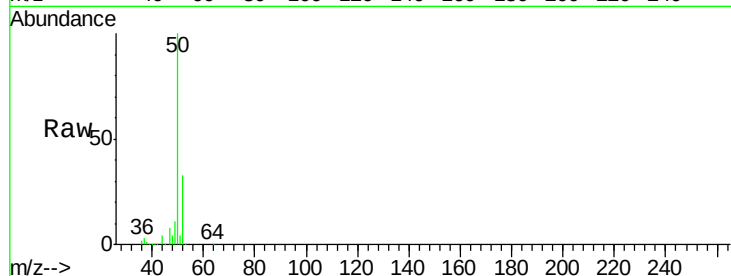
52 33.2 26.4 39.6

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



#4

Vinyl Chloride

Concen: 48.85 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025107.D

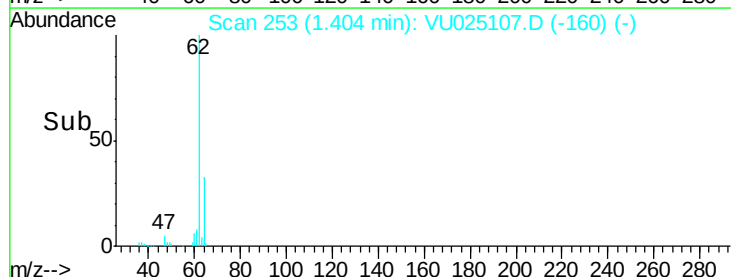
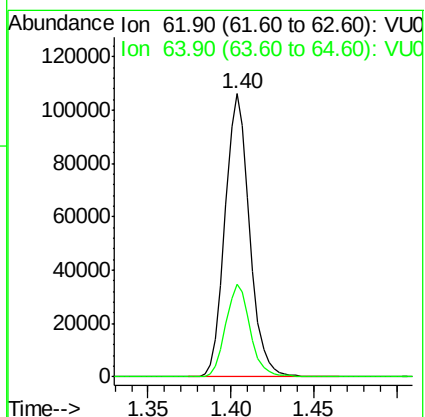
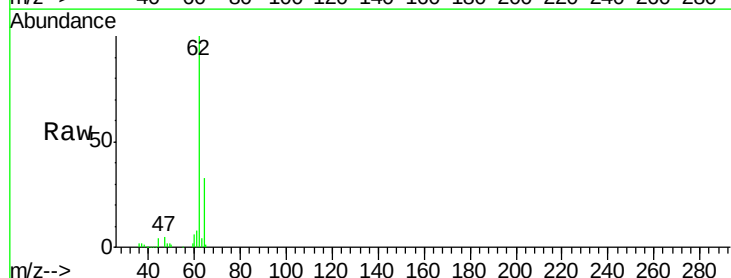
Acq: 30 Jun 2018 22:52

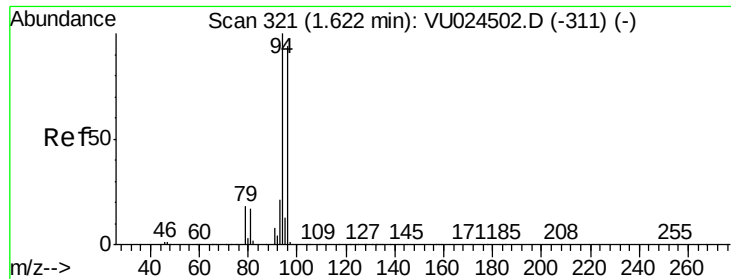
Tgt Ion: 62 Resp: 108594

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2





#5

Bromomethane

Concen: 55.97 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60144

Ion Ratio Lower Upper

94 100

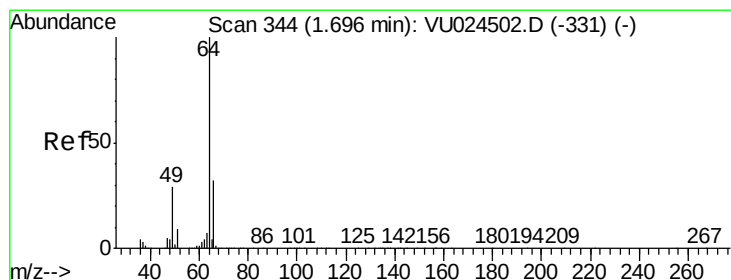
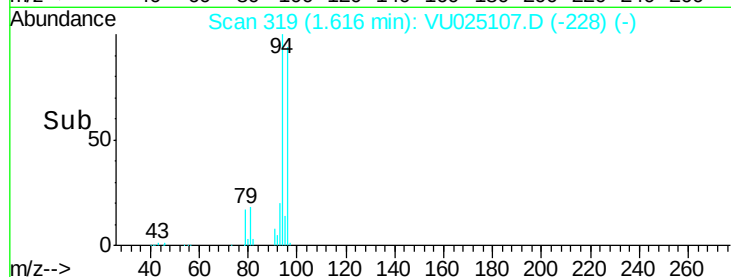
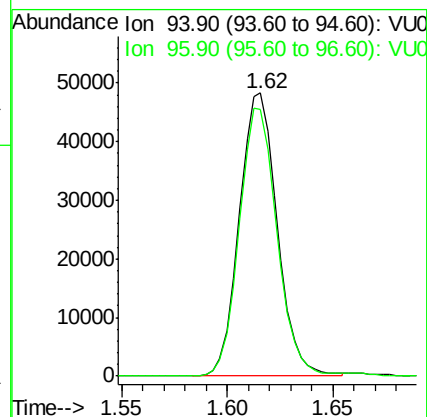
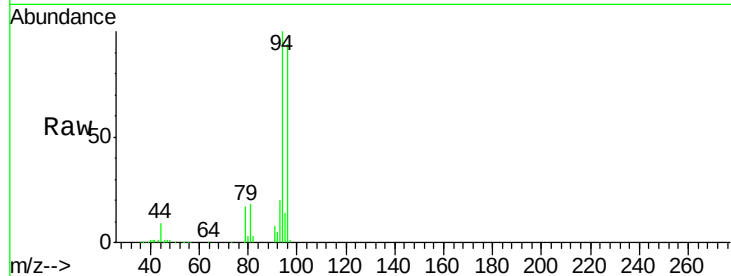
96 93.7 74.5 111.7

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



#6

Chloroethane

Concen: 55.98 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025107.D

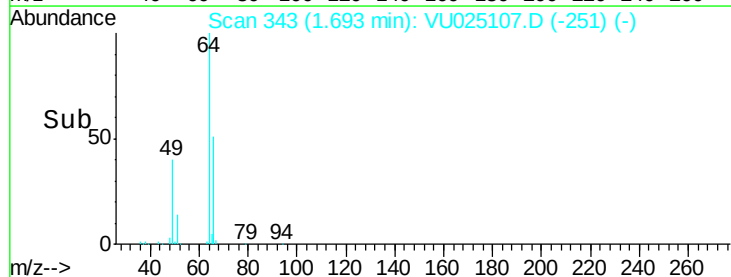
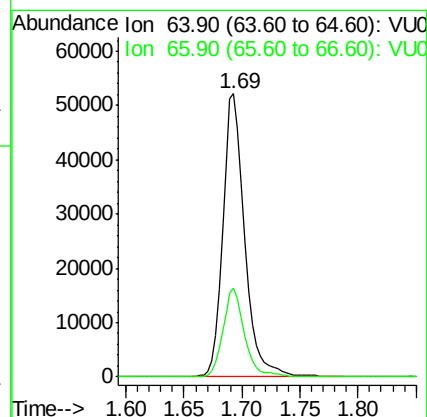
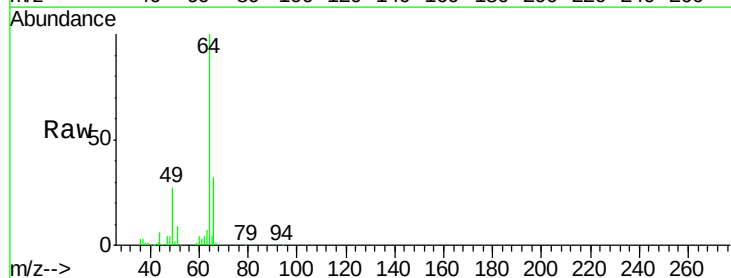
Acq: 30 Jun 2018 22:52

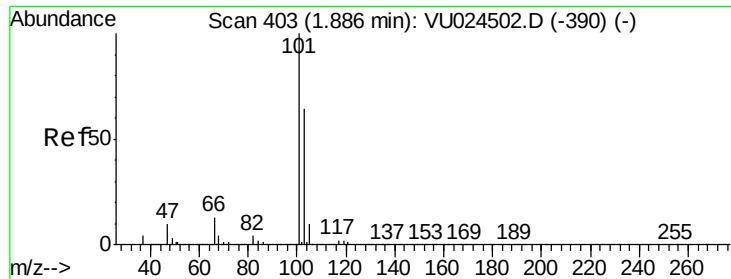
Tgt Ion: 64 Resp: 69379

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

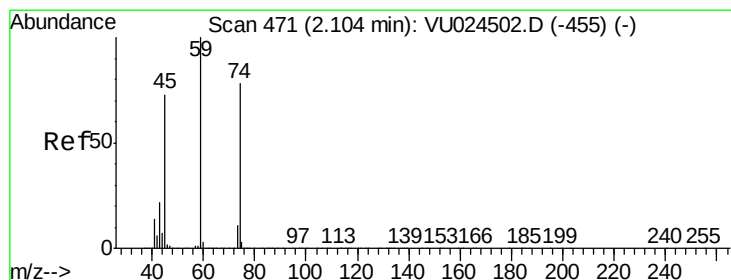
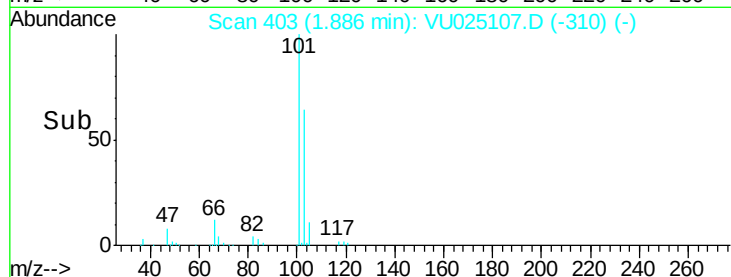
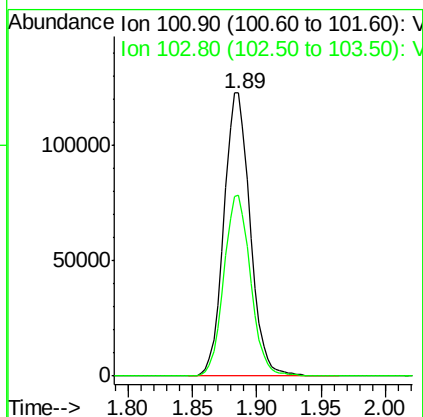
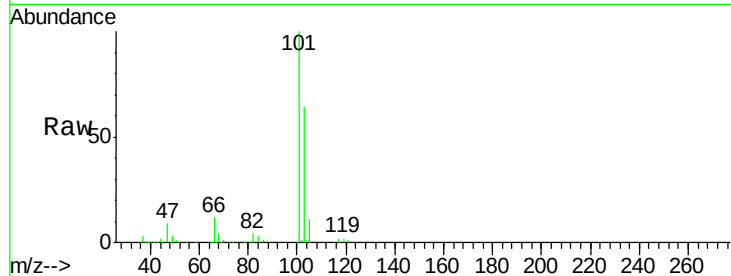
Trichlorofluoromethane
Concen: 51.23 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

Manual Integrations
APPROVED

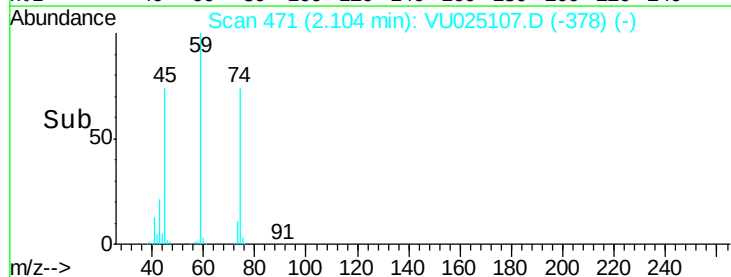
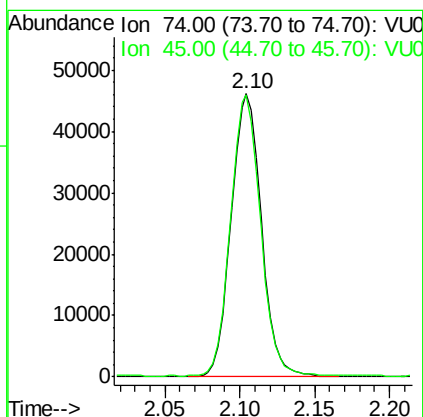
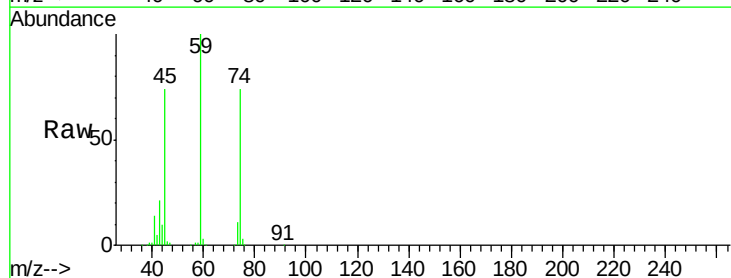
apatel
7/2/2018 4:17:40 PM

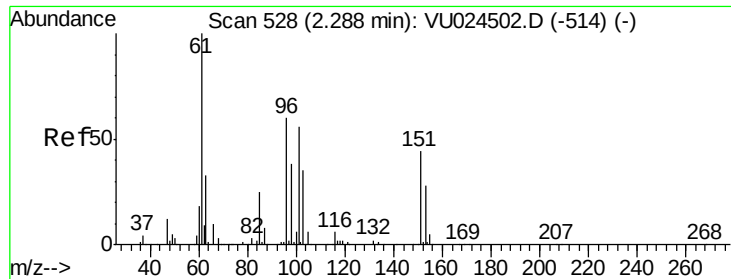


#8

Diethyl Ether
Concen: 56.64 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.14 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

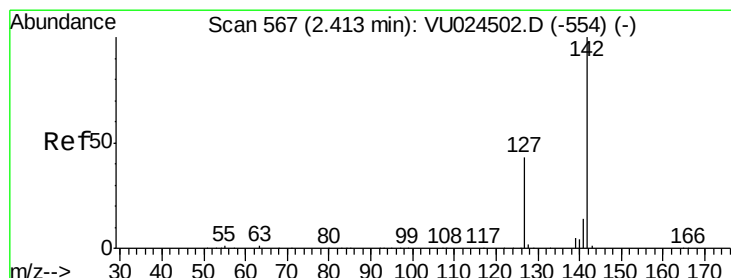
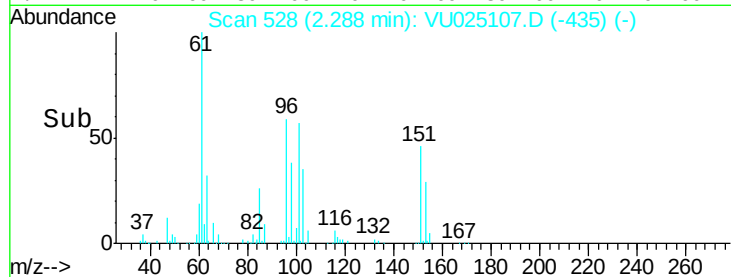
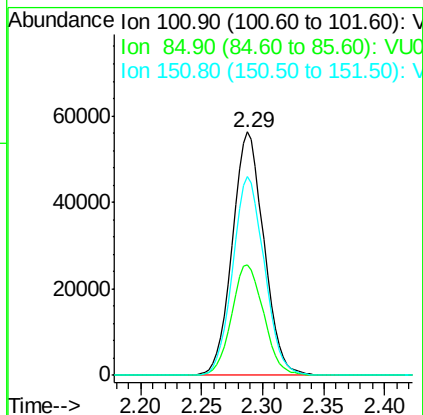
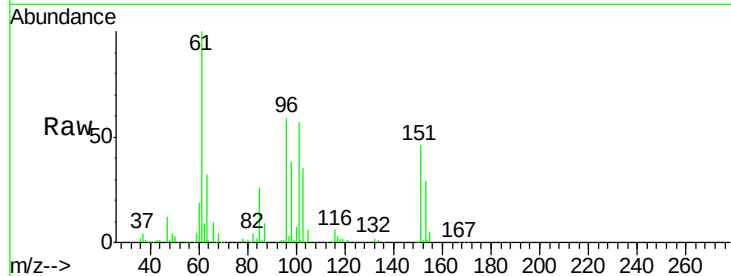
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101319
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.0	54.0
151	81.5	62.3	93.5

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#10

Methyl Iodide

Concen: 56.59 ug/l

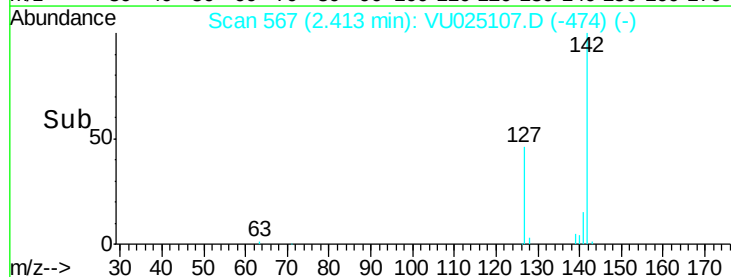
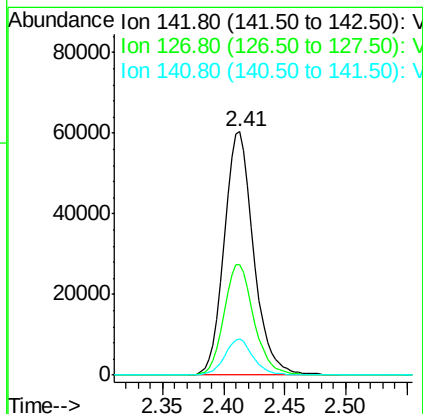
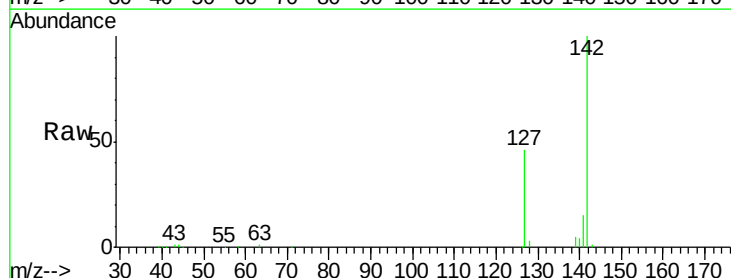
RT: 2.41 min Scan# 567

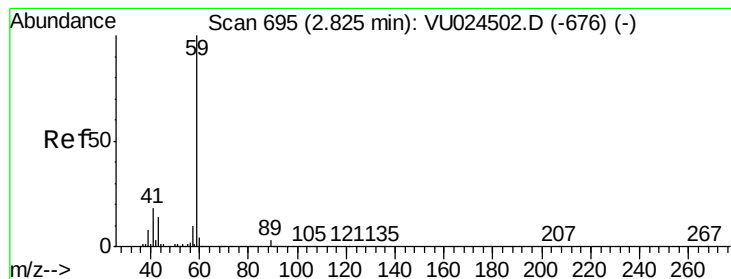
Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	142	Resp:	102172
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.6	53.4
141	14.2	11.7	17.5





#11

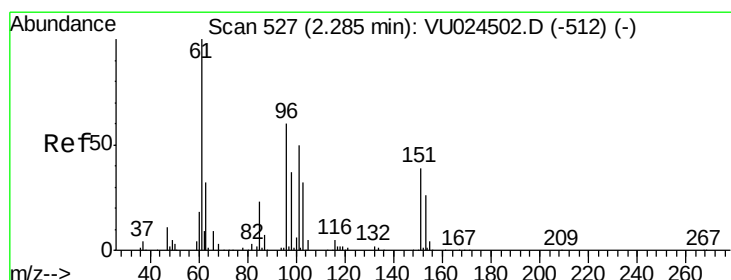
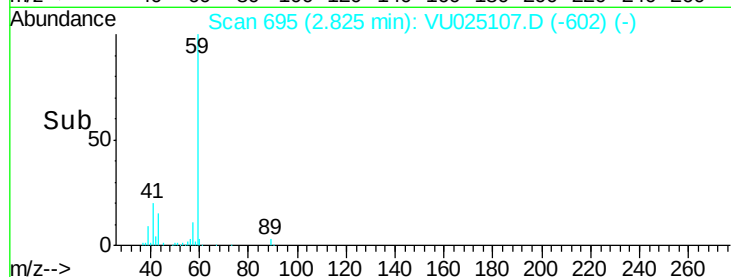
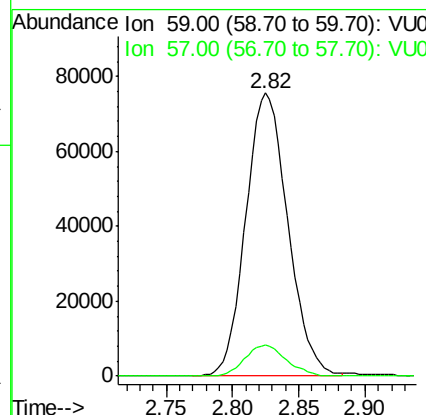
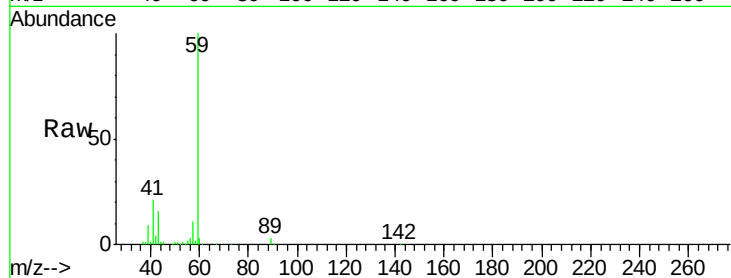
Tert butyl alcohol
 Concen: 248.90 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.5	12.7

Manual Integrations
 APPROVED

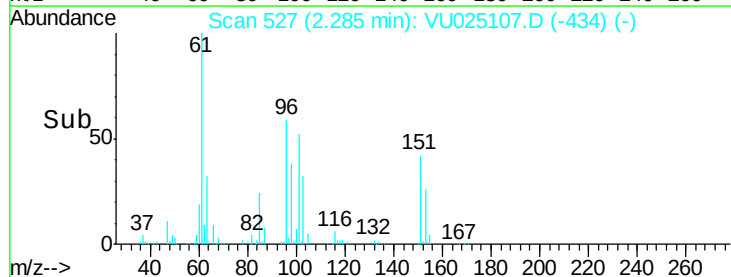
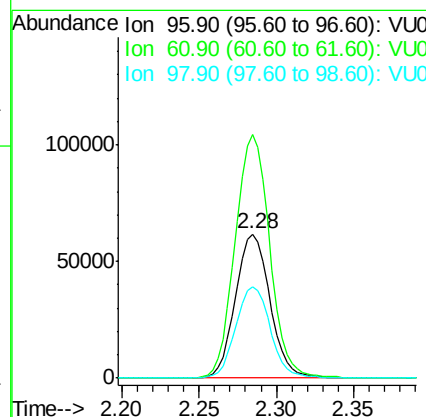
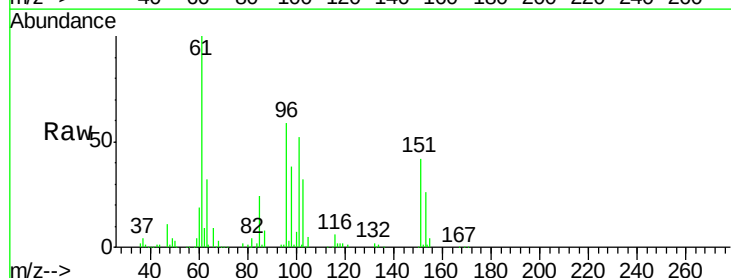
apatel
 7/2/2018 4:17:40 PM

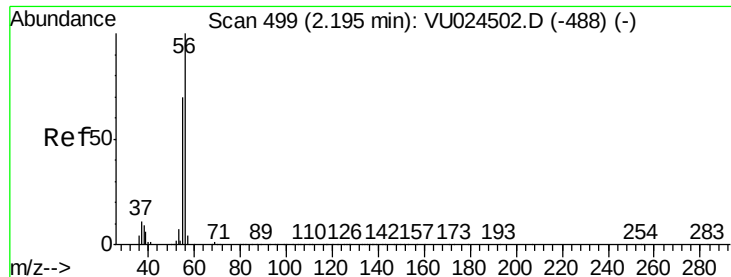


#12

1,1-Dichloroethene
 Concen: 49.90 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	141.7	212.5
98	63.8	51.6	77.4





#13

Acrolein

Concen: 153.33 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53883

Ion Ratio Lower Upper

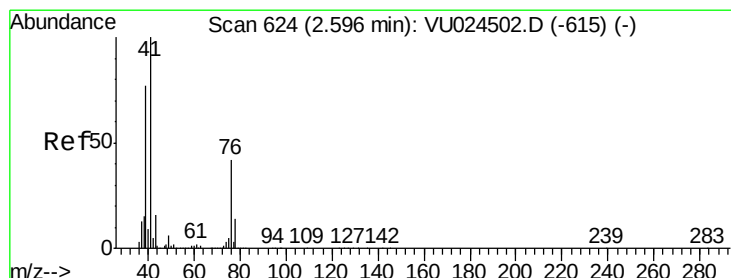
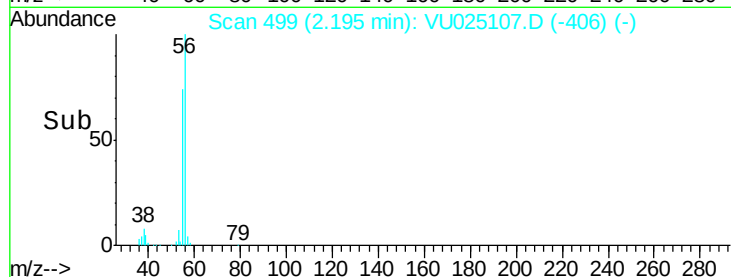
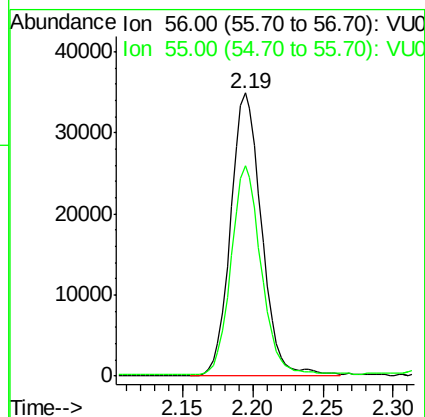
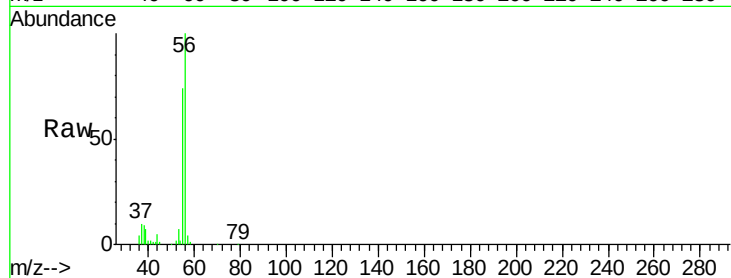
56 100

55 71.5 58.4 87.6

Manual Integrations
APPROVED

apatel

7/2/2018 4:17:40 PM



#14

Allyl chloride

Concen: 45.70 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

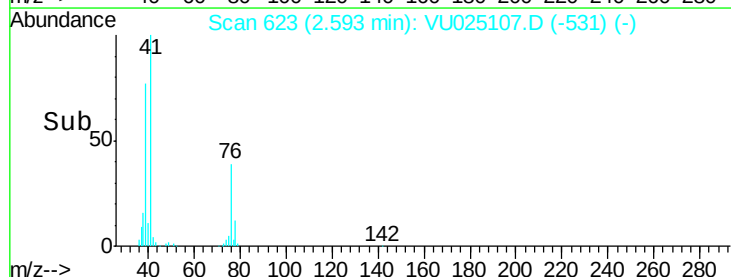
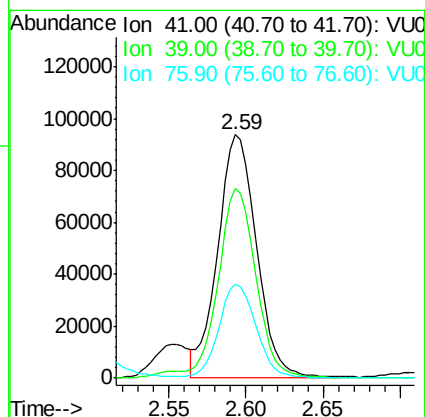
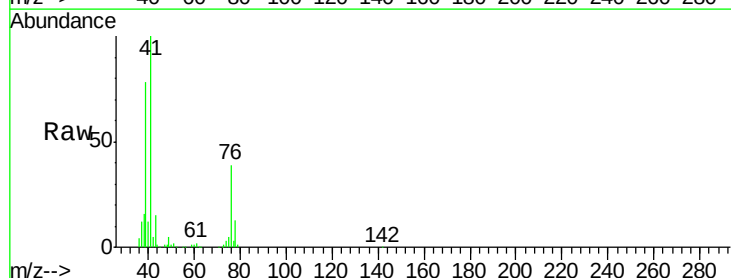
Tgt Ion: 41 Resp: 162863

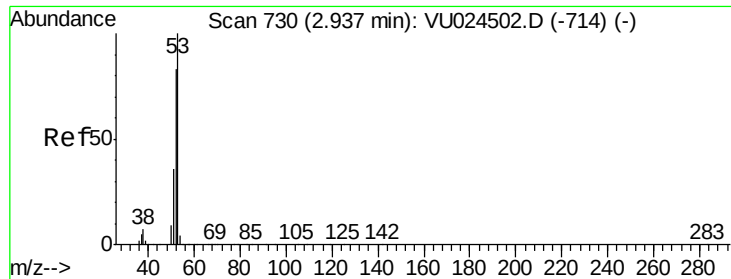
Ion Ratio Lower Upper

41 100

39 75.0 61.6 92.4

76 36.9 29.7 44.5





#15

Acrylonitrile

Concen: 259.66 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

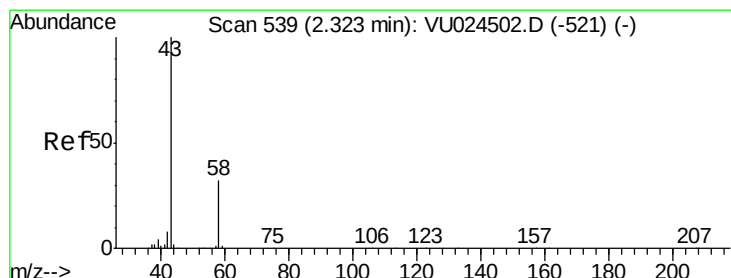
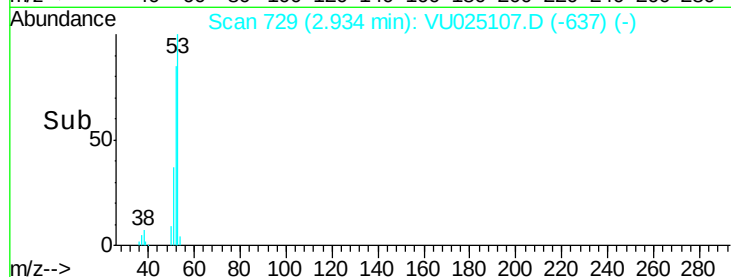
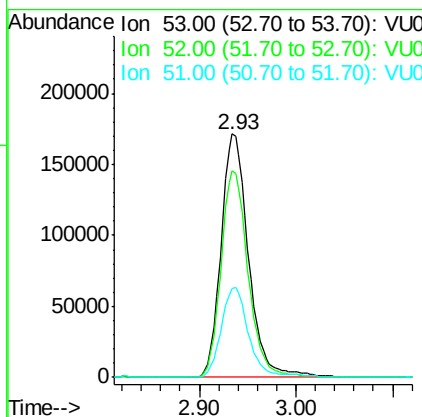
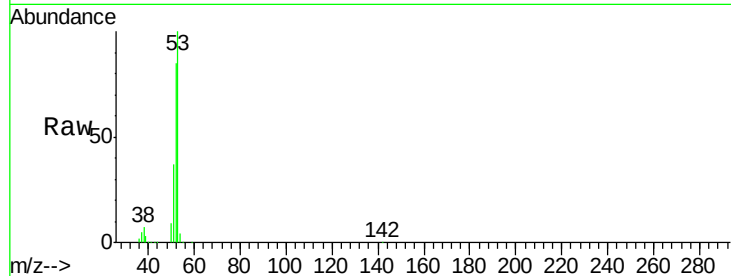
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	338091
Ion Ratio	Lower	Upper	
53	100		
52	83.5	67.1	100.7
51	37.3	28.4	42.6

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#16

Acetone

Concen: 216.67 ug/l

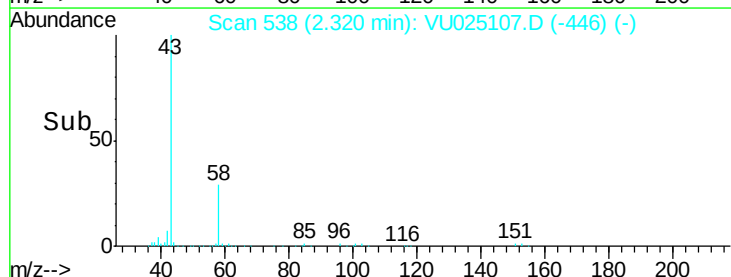
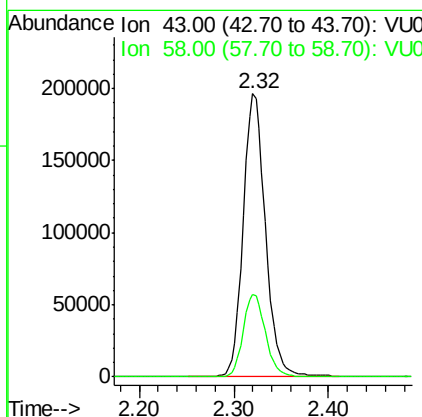
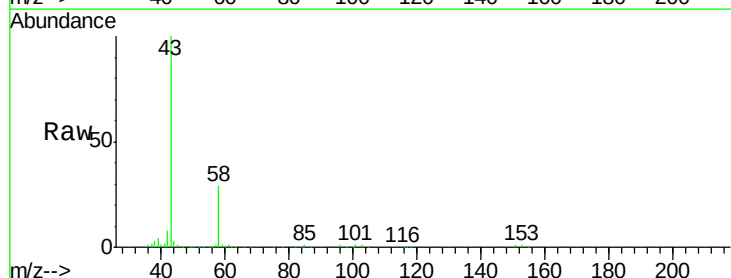
RT: 2.32 min Scan# 538

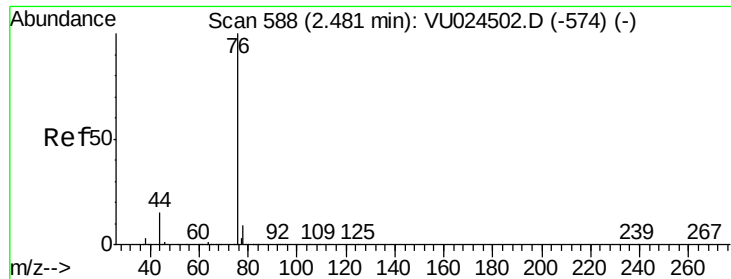
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	43	Resp:	320329
Ion Ratio	Lower	Upper	
43	100		
58	29.2	24.4	36.6





#17

Carbon Disulfide

Concen: 43.04 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tot Ion: 76 Resp: 264518

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

Instrument :

MSVOA_U

ClientSampleId :

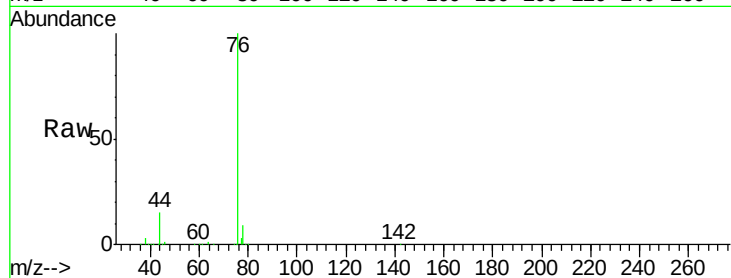
VSTDCCC050EC

Manual Integrations

APPROVED

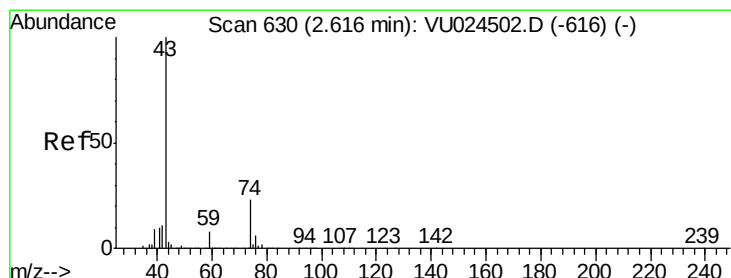
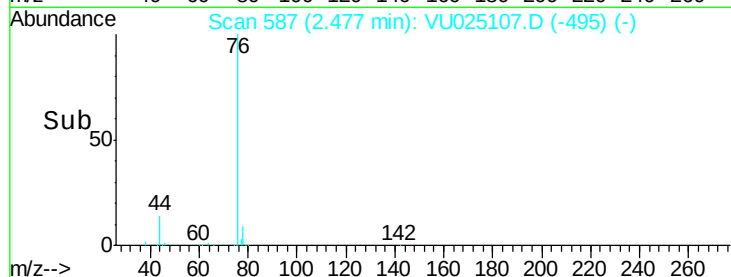
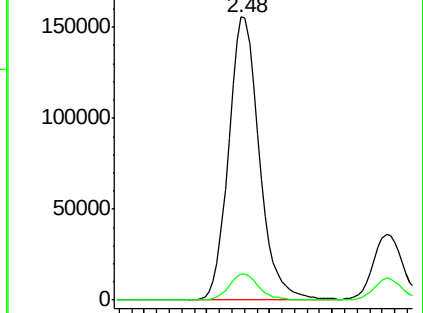
apatel

7/2/2018 4:17:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 64.84 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025107.D

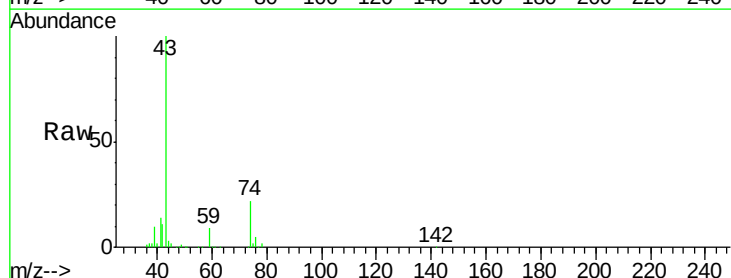
Acq: 30 Jun 2018 22:52

Tgt Ion: 43 Resp: 205520

Ion Ratio Lower Upper

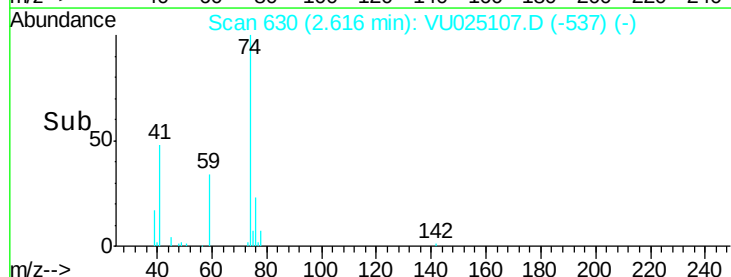
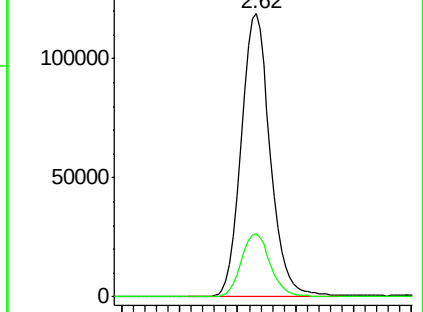
43 100

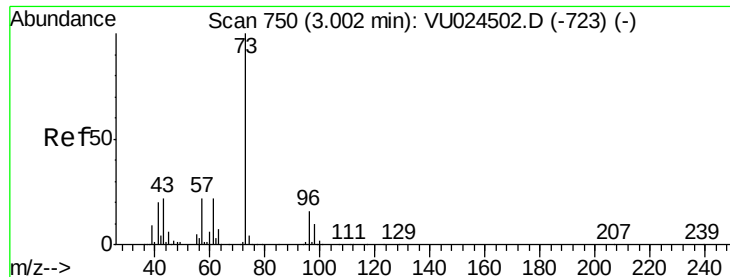
74 22.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





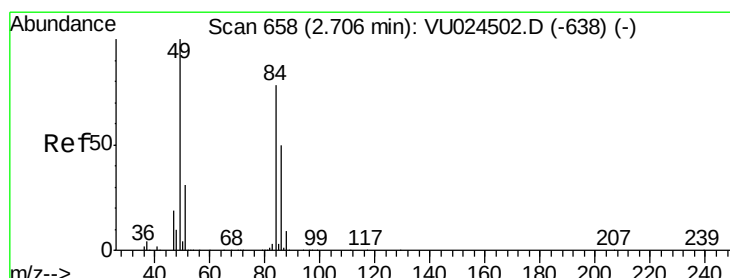
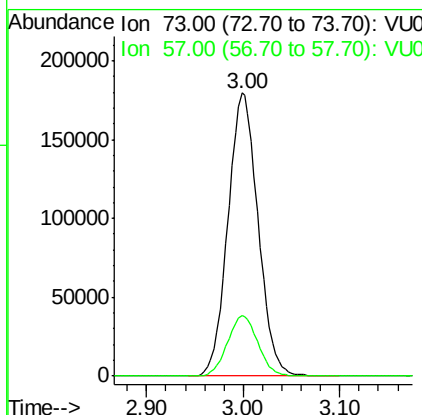
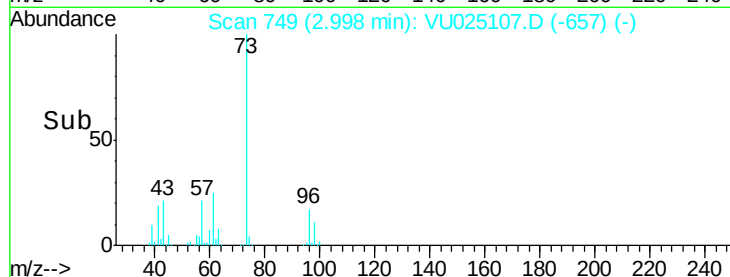
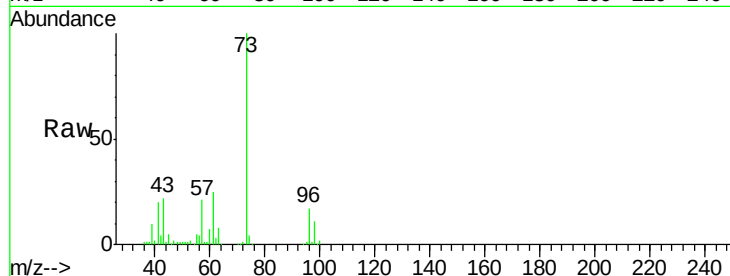
#19
Methyl tert-butyl Ether
Concen: 53.81 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 388218
Ion Ratio Lower Upper
73 100
57 21.3 18.8 28.2

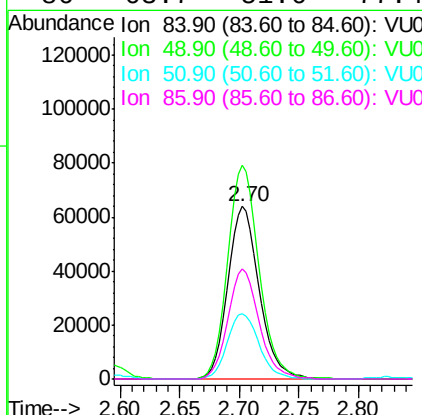
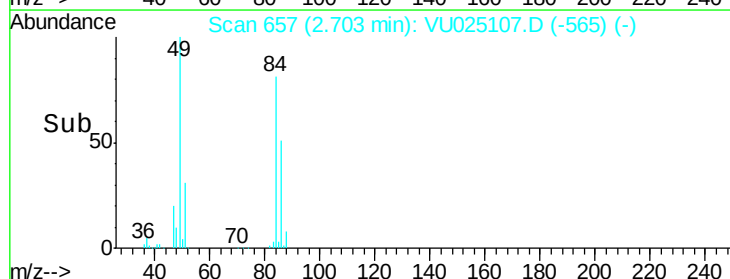
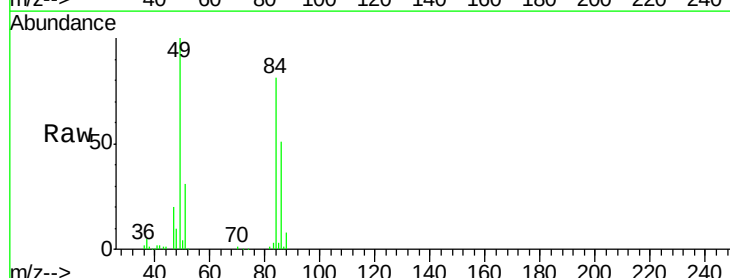
Manual Integrations
APPROVED

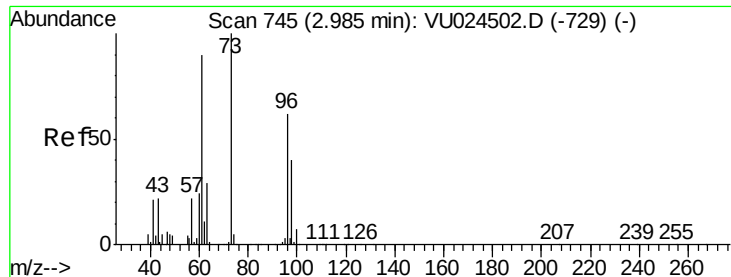
apatel
7/2/2018 4:17:40 PM



#20
Methylene Chloride
Concen: 50.46 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion: 84 Resp: 117059
Ion Ratio Lower Upper
84 100
49 123.7 103.8 155.8
51 37.9 32.0 48.0
86 63.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 49.85 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

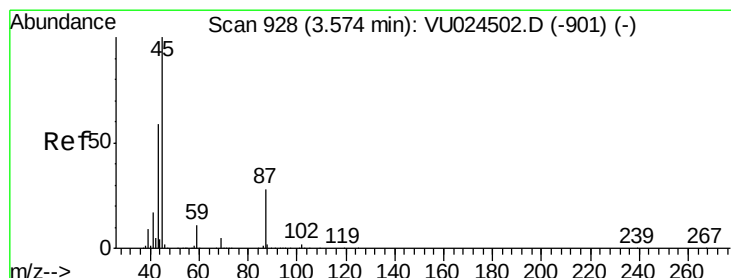
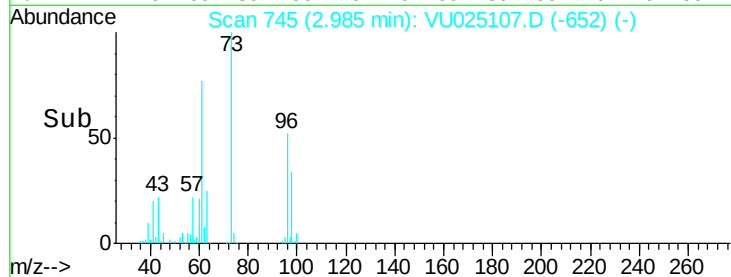
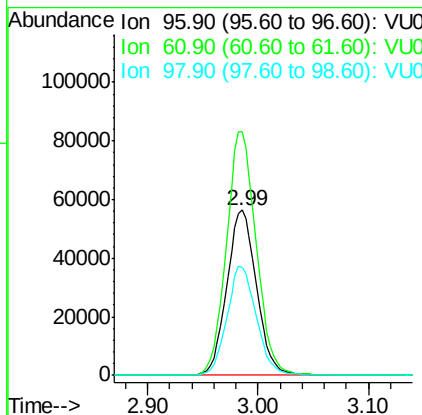
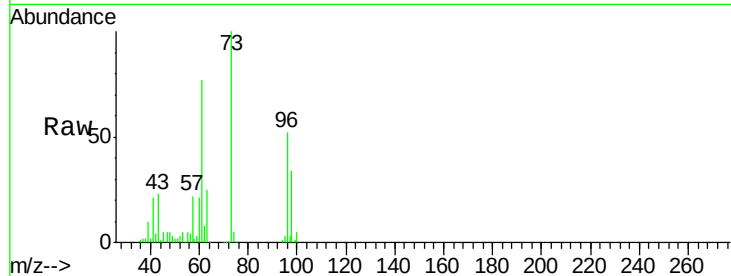
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	105368
Ion Ratio	Lower	Upper	
96	100		
61	147.6	119.4	179.0
98	65.8	51.1	76.7

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#22

Diisopropyl ether

Concen: 52.29 ug/l

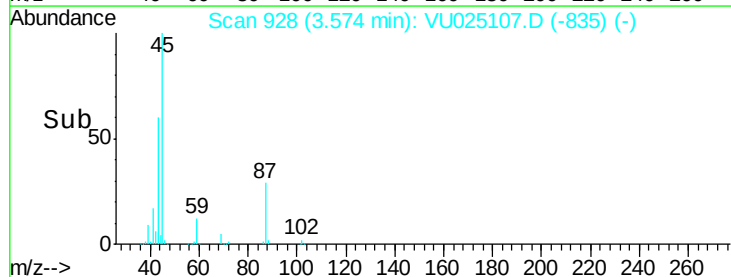
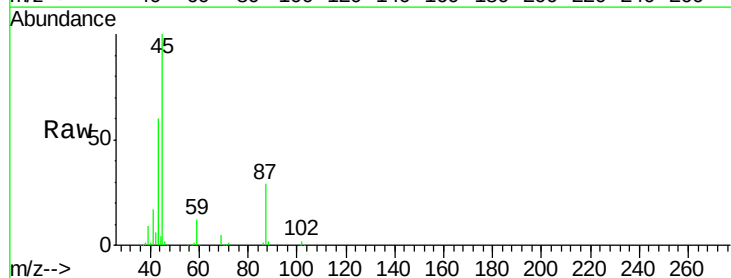
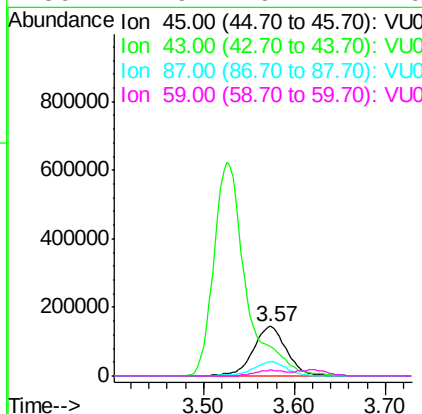
RT: 3.57 min Scan# 928

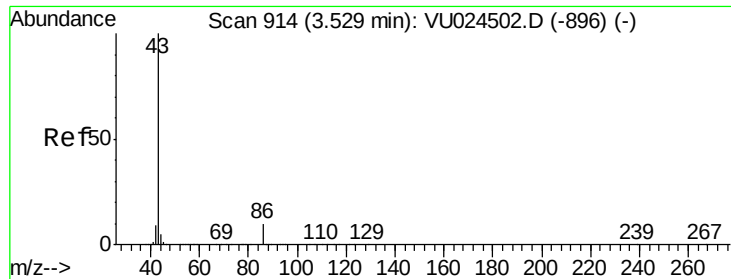
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	45	Resp:	369381
Ion Ratio	Lower	Upper	
45	100		
43	58.2	45.8	68.6
87	29.2	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 242.77 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1536212

Ion Ratio Lower Upper

43 100

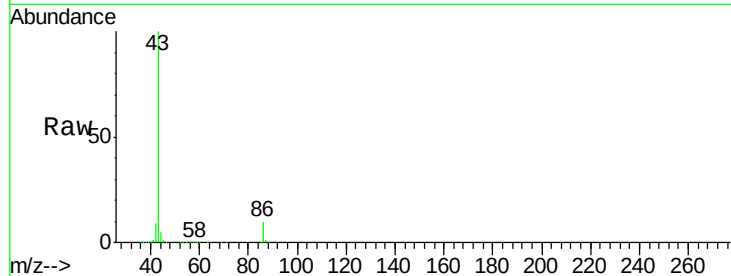
86 10.2 7.8 11.8

Manual Integrations

APPROVED

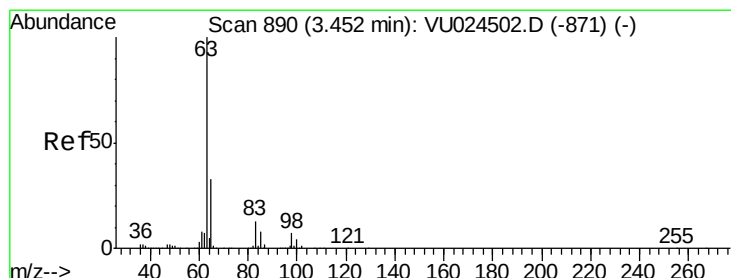
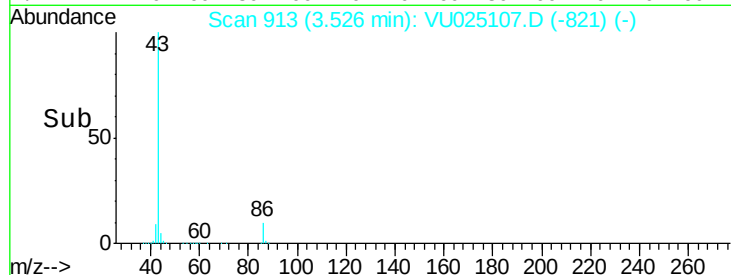
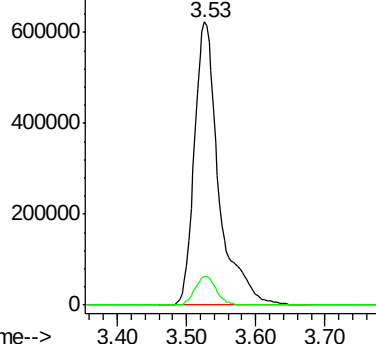
apatel

7/2/2018 4:17:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 52.05 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

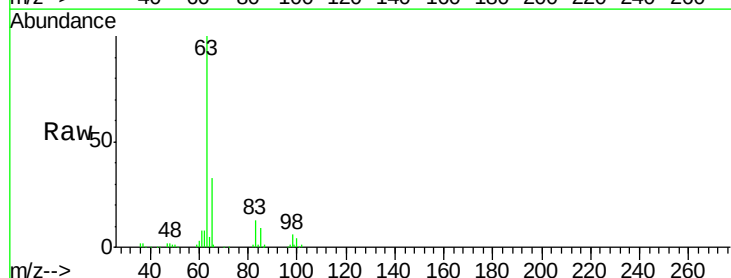
Tgt Ion: 63 Resp: 211508

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

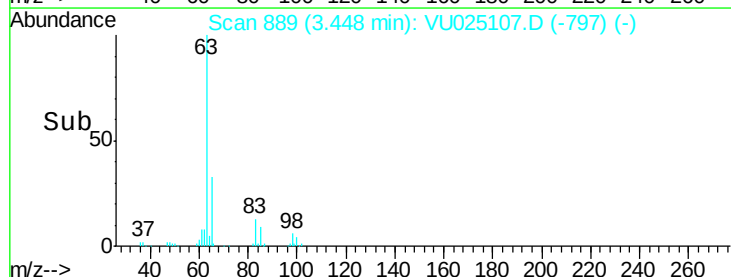
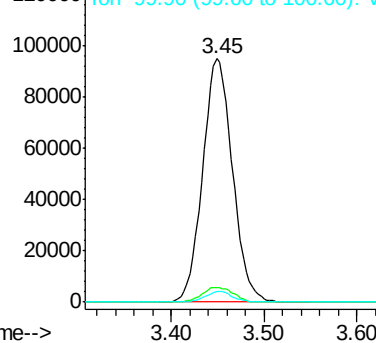
100 4.3 1.8 5.5

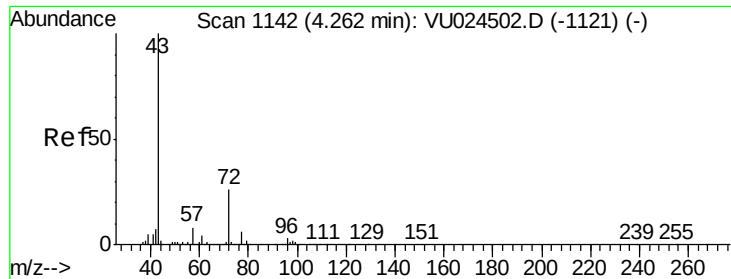


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





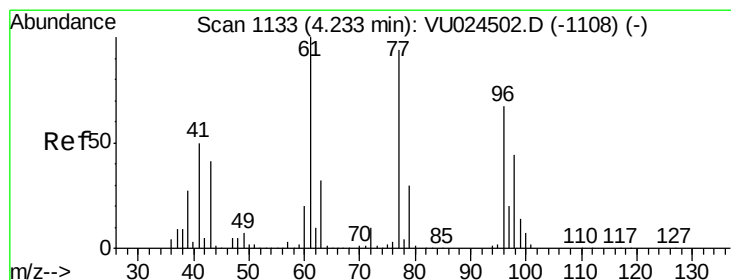
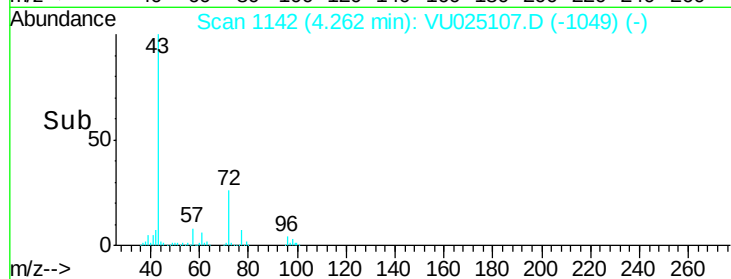
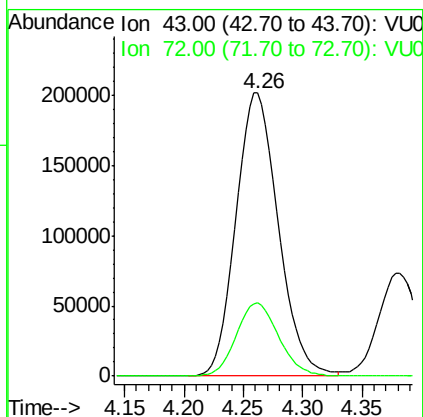
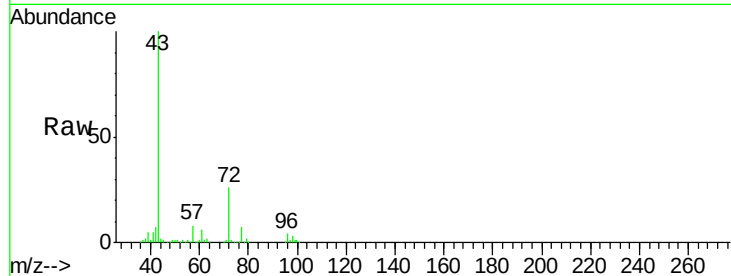
#25
2-Butanone
Concen: 249.26 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.6	29.4

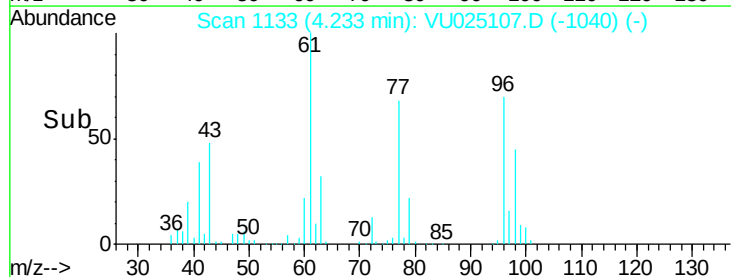
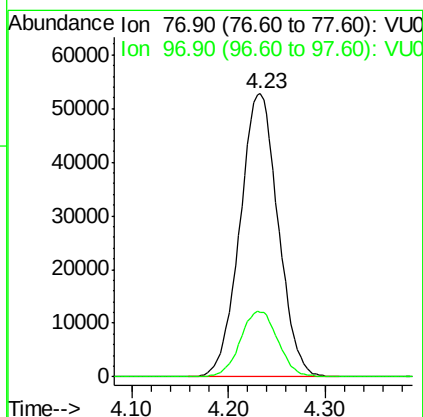
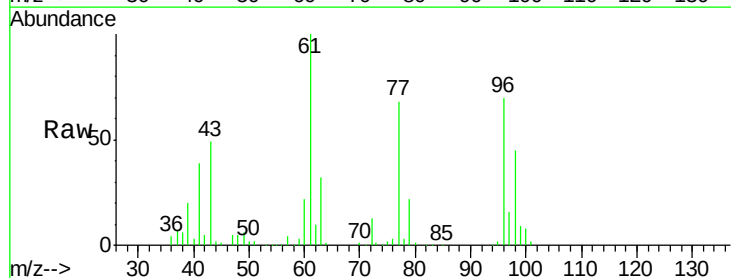
Manual Integrations
APPROVED

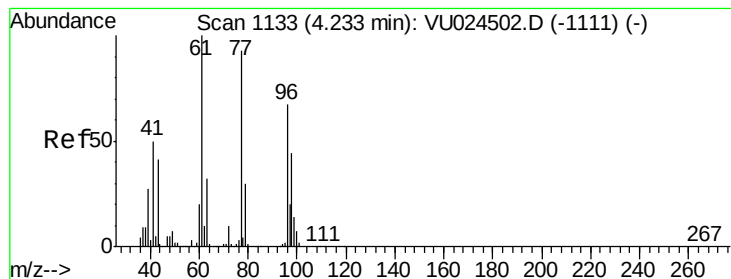
apatel
7/2/2018 4:17:40 PM



#26
2,2-Dichloropropane
Concen: 37.41 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 55.60 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

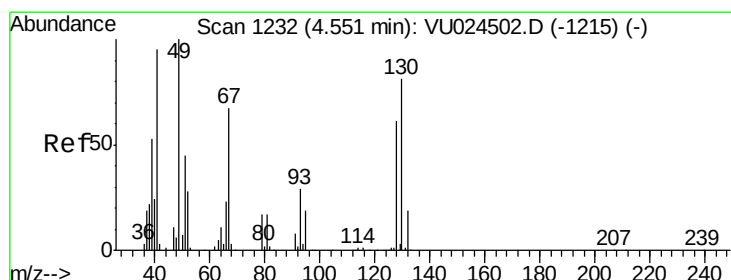
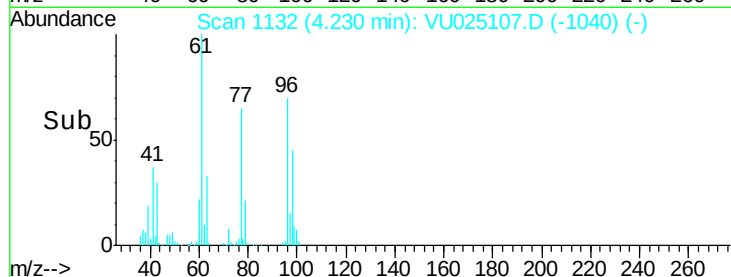
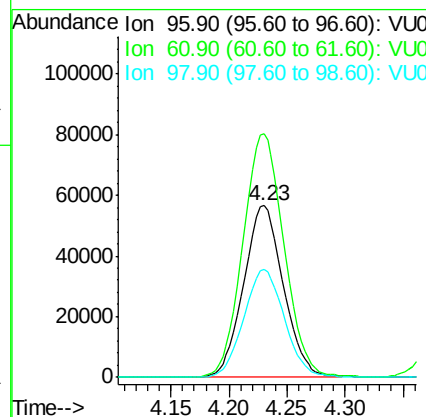
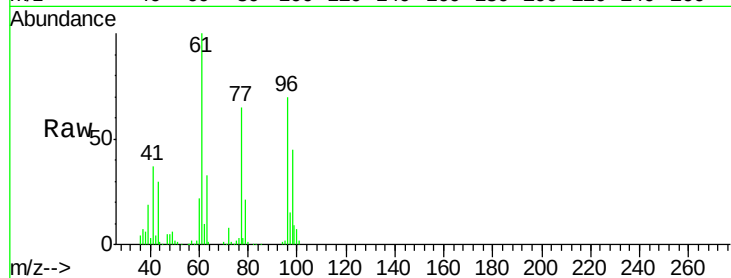
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	135111
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	306.6
98	64.1	0.0	128.8

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#28

Bromochloromethane

Concen: 46.36 ug/l

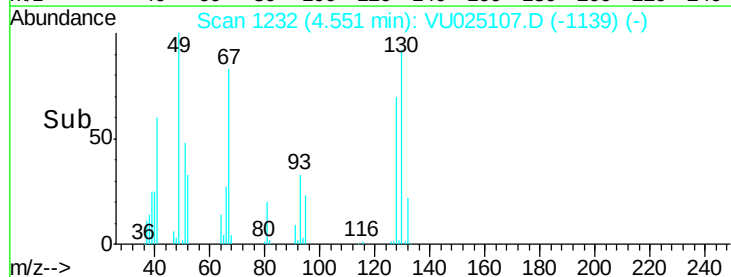
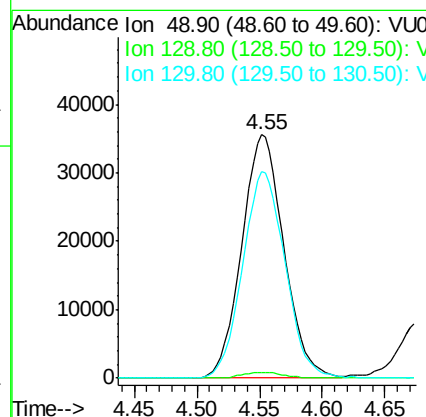
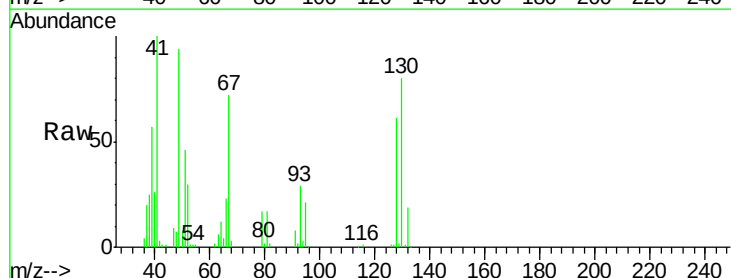
RT: 4.55 min Scan# 1232

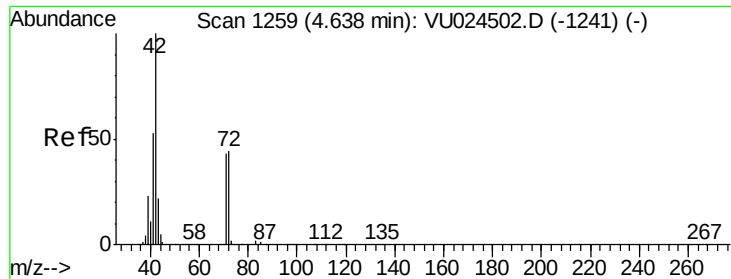
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	49	Resp:	82973
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	85.4	57.8	86.6





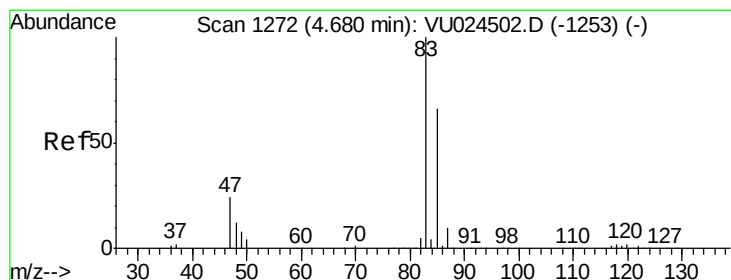
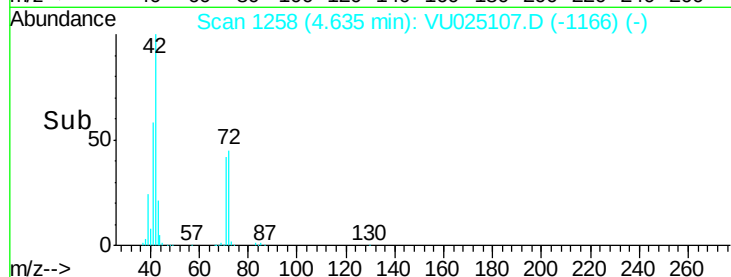
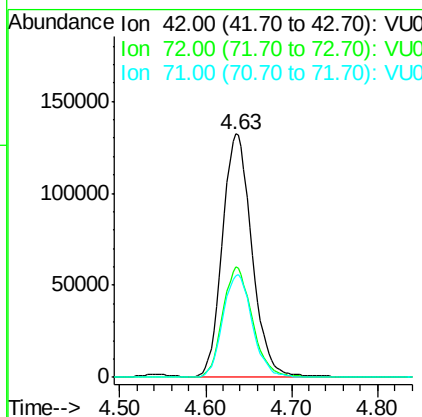
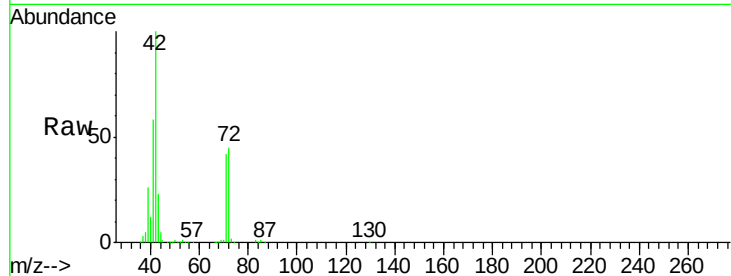
#29
Tetrahydrofuran
Concen: 255.73 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.5	51.7
71	42.4	32.2	48.4

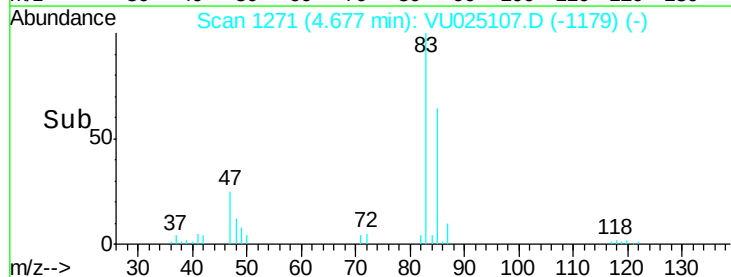
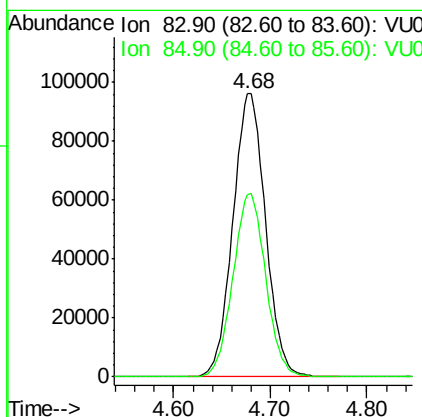
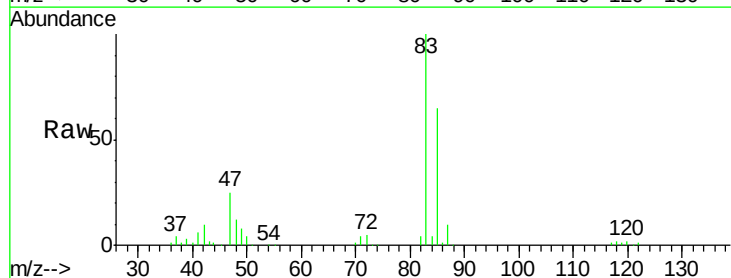
Manual Integrations
APPROVED

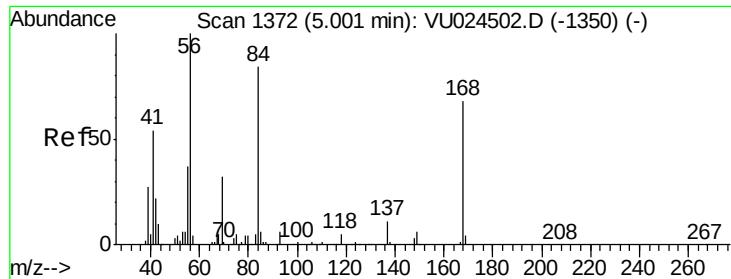
apatel
7/2/2018 4:17:40 PM



#30
Chloroform
Concen: 54.83 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





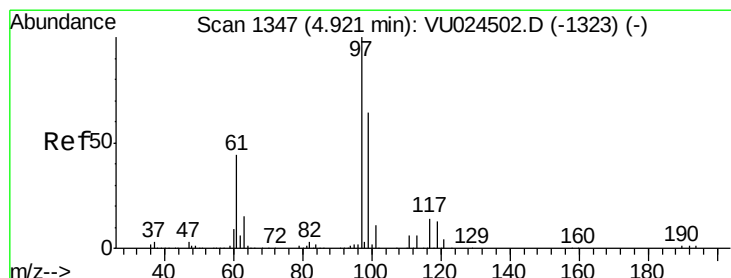
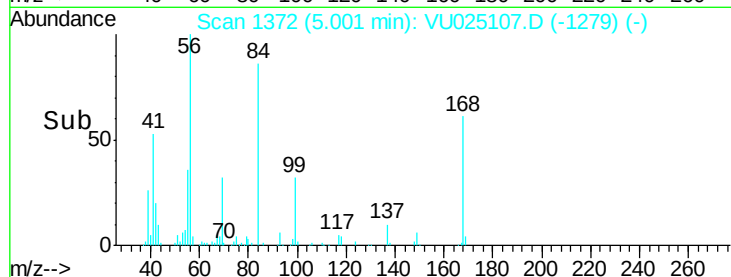
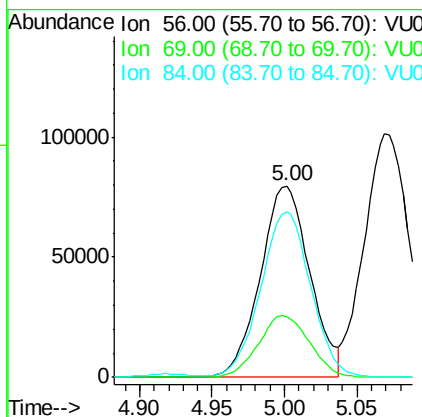
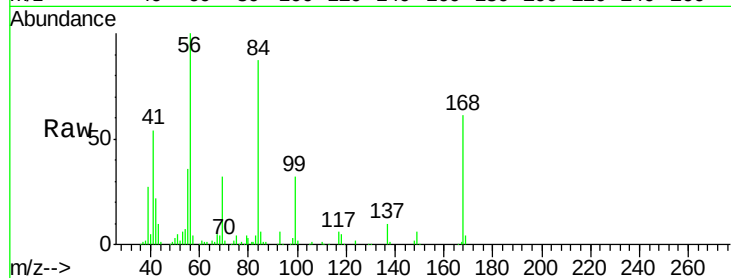
#31
Cyclohexane
Concen: 52.56 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.8	37.2
84	85.7	65.2	97.8

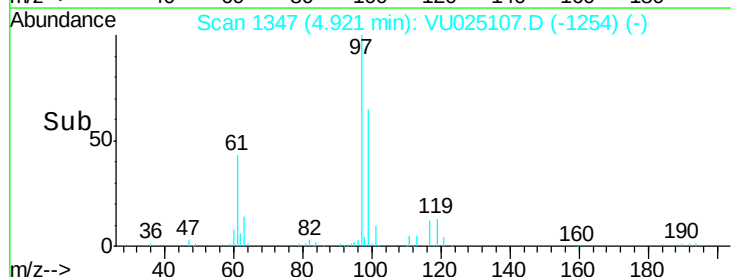
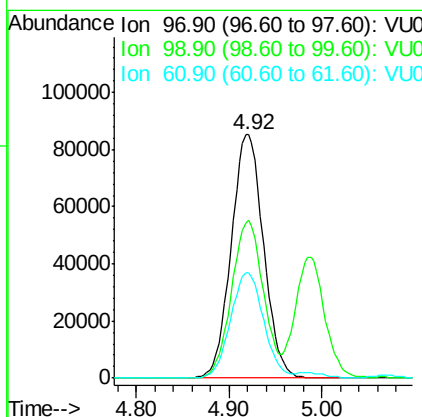
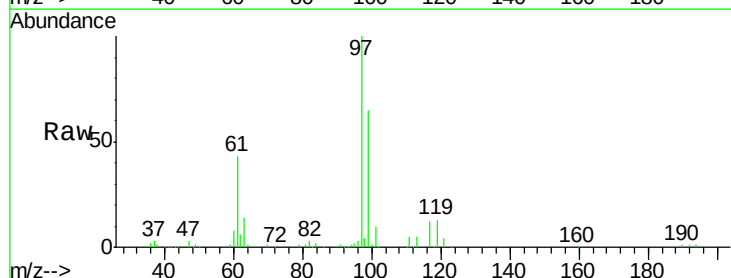
Manual Integrations
APPROVED

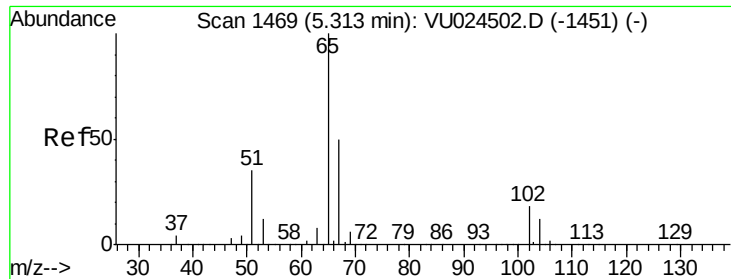
apatel
7/2/2018 4:17:40 PM



#32
1,1,1-Trichloroethane
Concen: 54.17 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	44.3	39.4	59.0





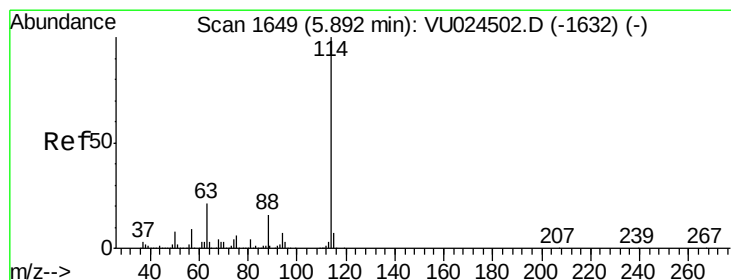
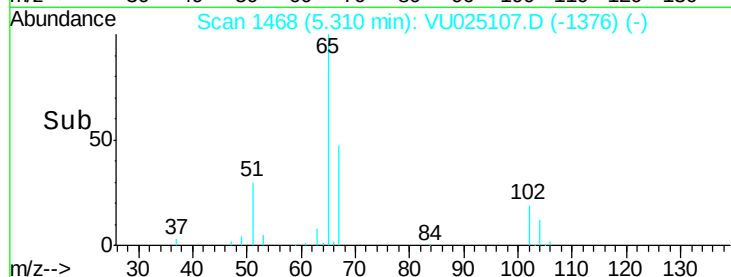
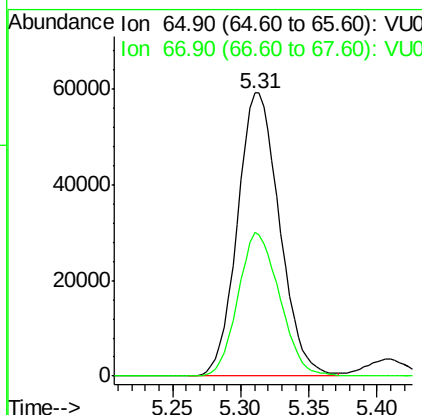
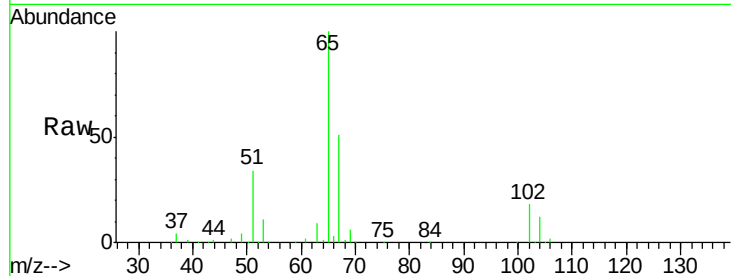
#33
 1,2-Dichloroethane-d4
 Concen: 46.11 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	126883		
67	50.4	0.0	107.0	

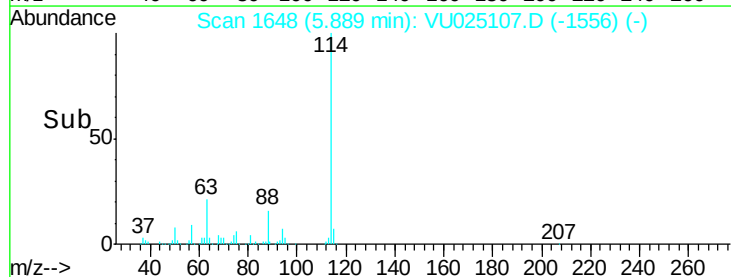
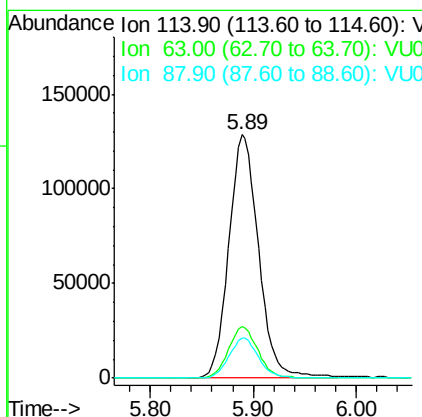
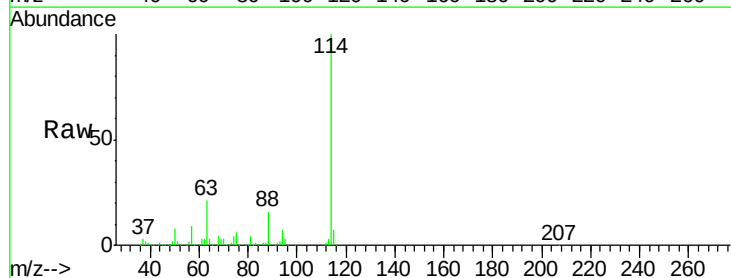
Manual Integrations
 APPROVED

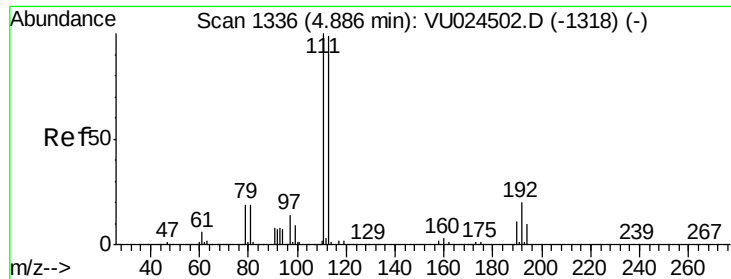
apatel
 7/2/2018 4:17:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	258785		
63	21.2	0.0	45.4	
88	16.4	0.0	31.0	





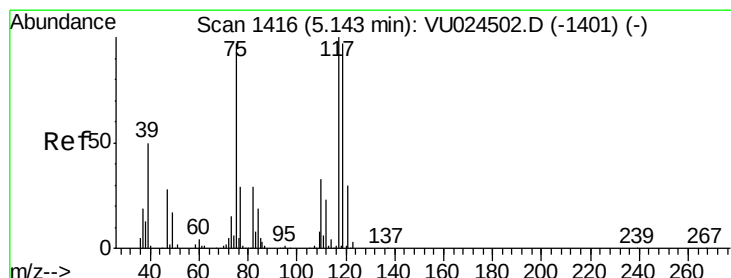
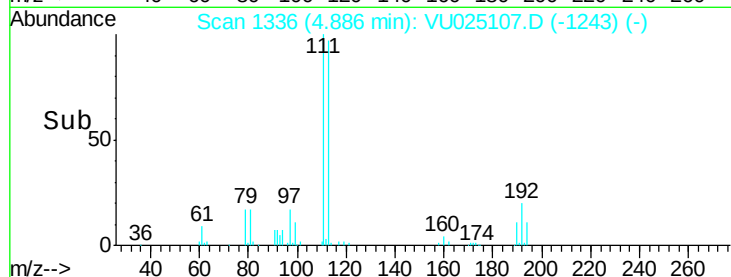
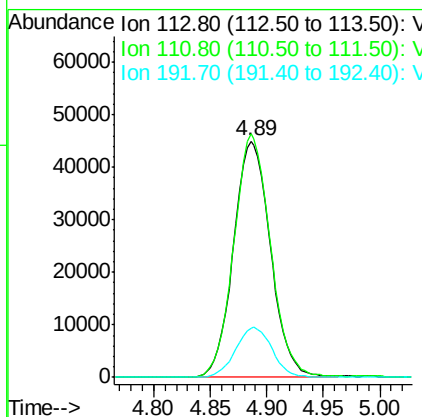
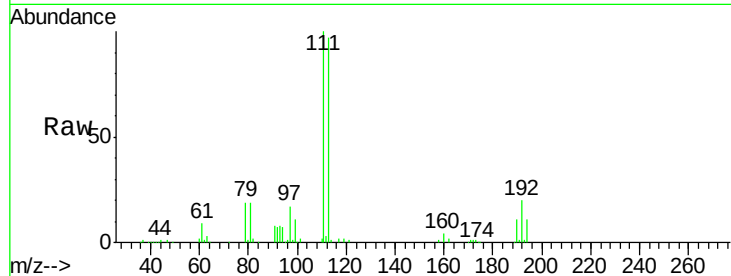
#35
Dibromofluoromethane
Concen: 47.83 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.8	16.2	24.4

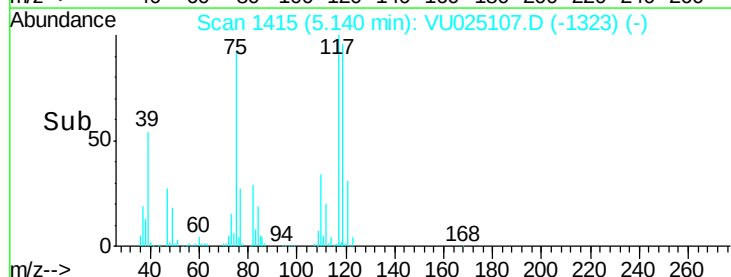
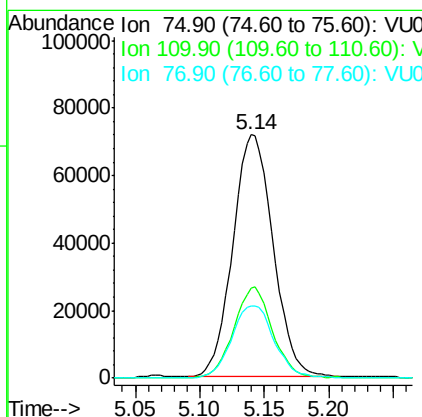
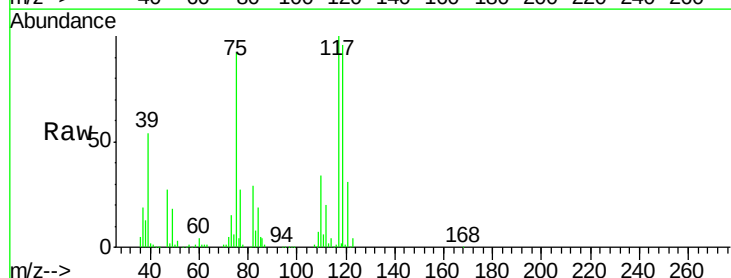
Manual Integrations
APPROVED

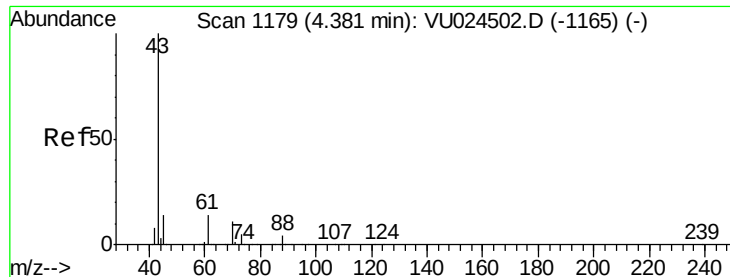
apatel
7/2/2018 4:17:40 PM



#36
1,1-Dichloropropene
Concen: 51.37 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.0	50.9
77	31.6	24.2	36.4





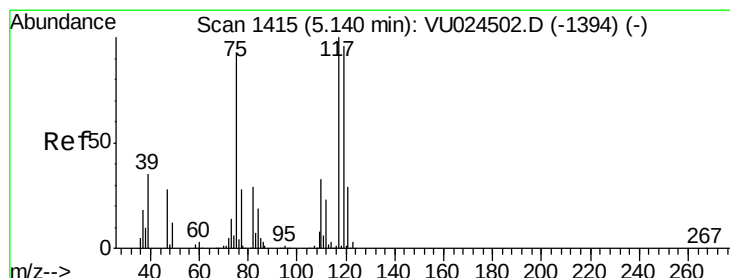
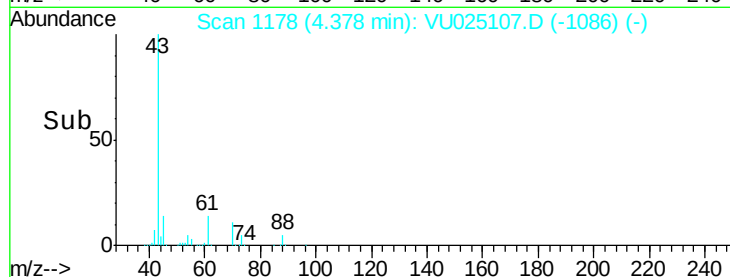
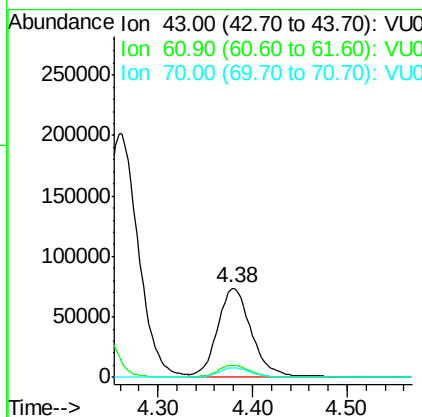
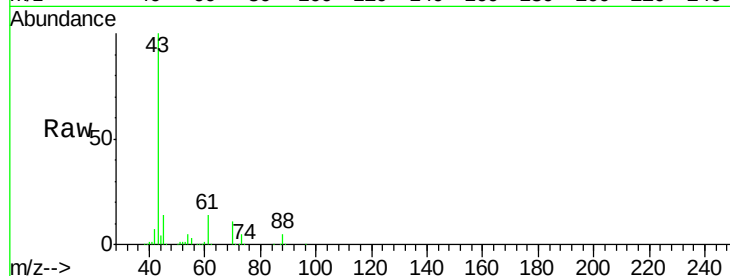
#37
Ethyl Acetate
Concen: 54.59 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	10.6	7.4	11.2

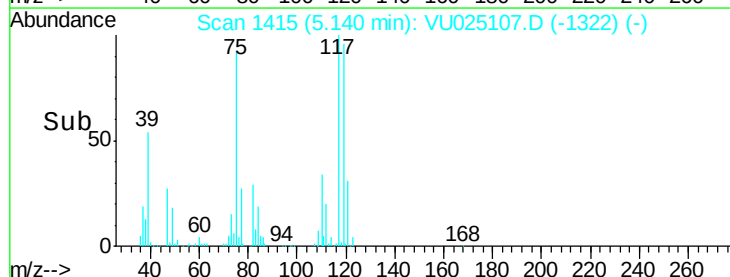
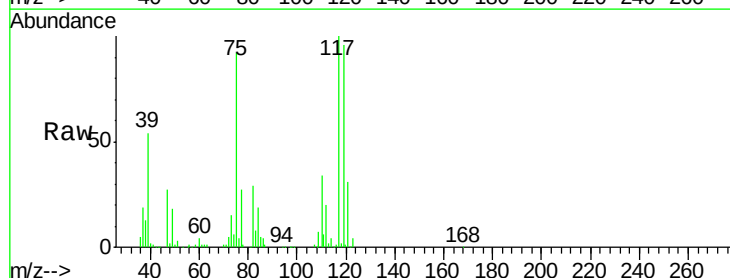
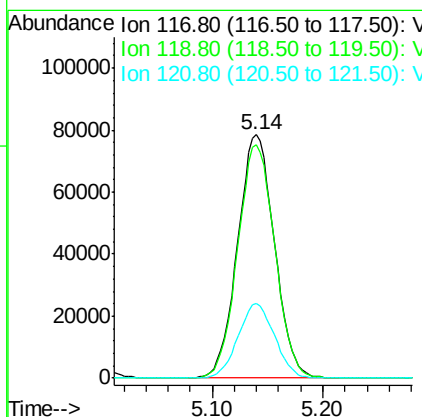
Manual Integrations
APPROVED

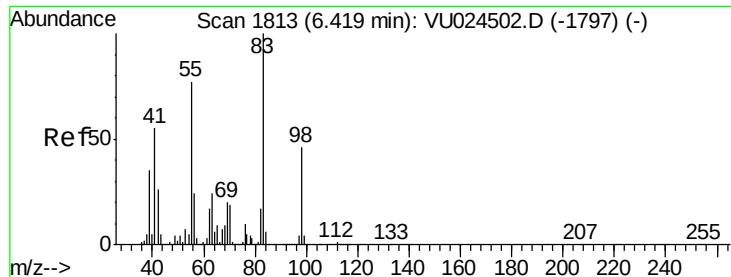
apatel
7/2/2018 4:17:40 PM



#38
Carbon Tetrachloride
Concen: 54.27 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.1	114.1
121	30.8	23.7	35.5





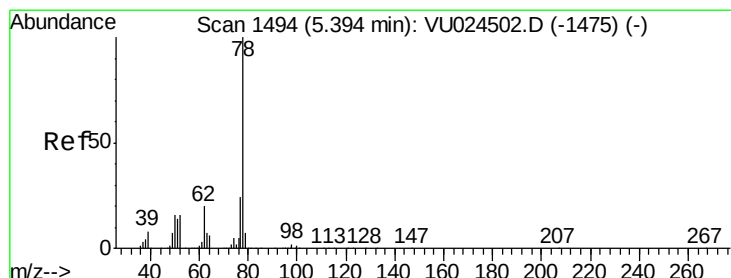
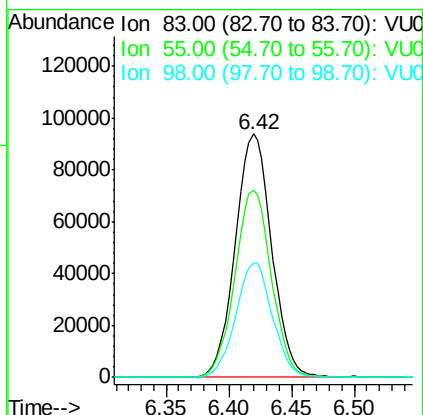
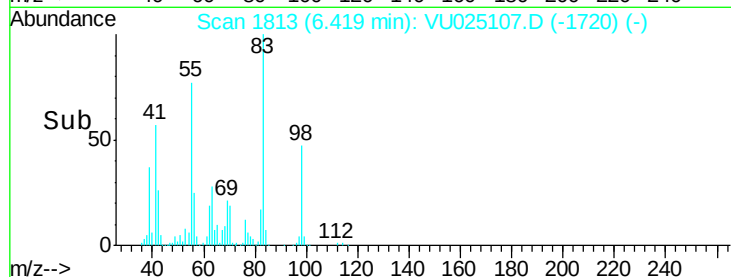
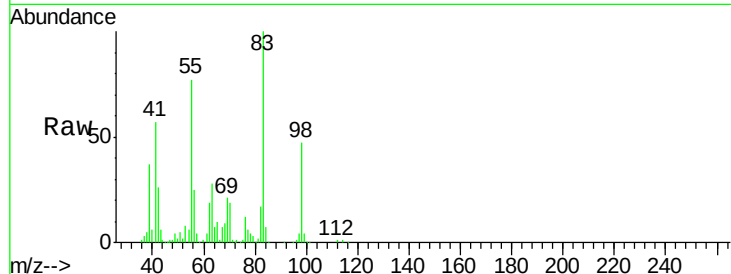
#39
Methylvlcyclohexane
Concen: 49.98 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	65.8	98.6
98	47.1	36.7	55.1

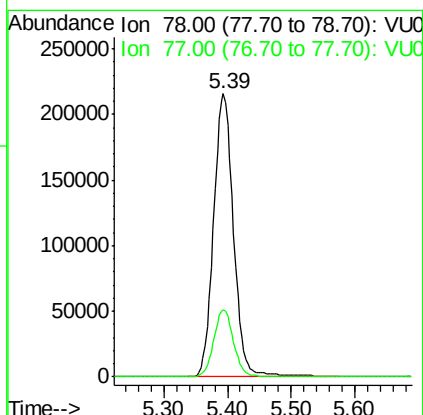
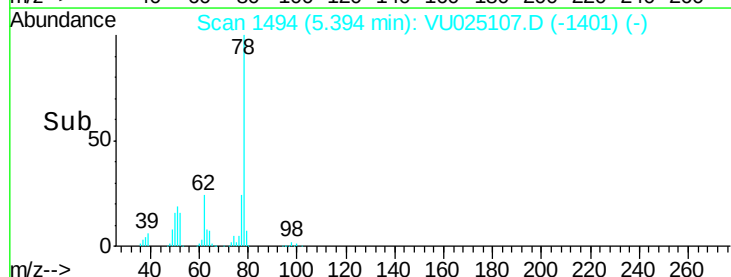
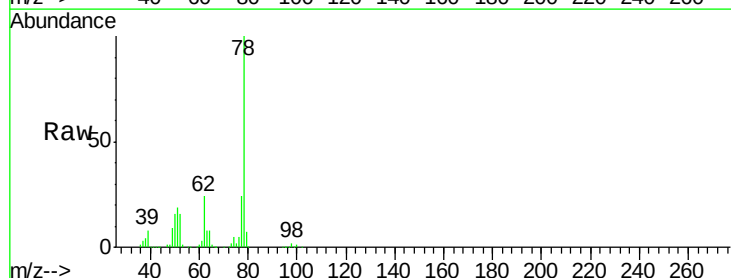
Manual Integrations
APPROVED

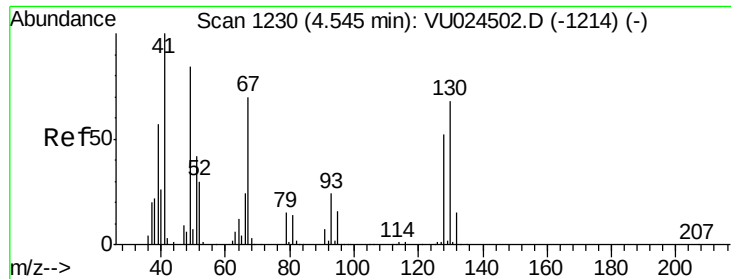
apatel
7/2/2018 4:17:40 PM



#40
Benzene
Concen: 54.14 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8





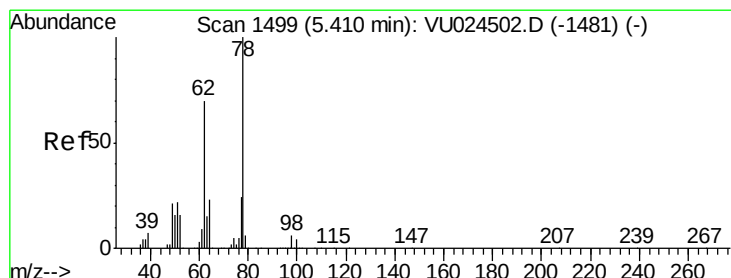
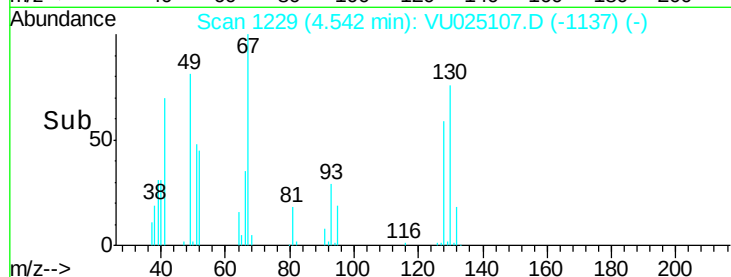
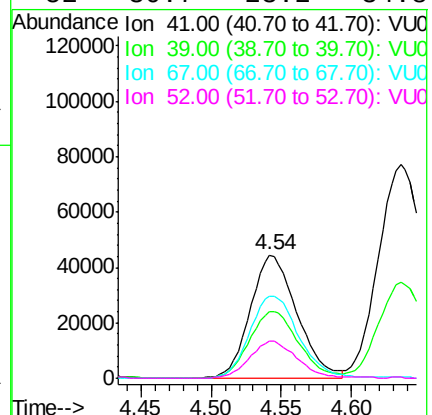
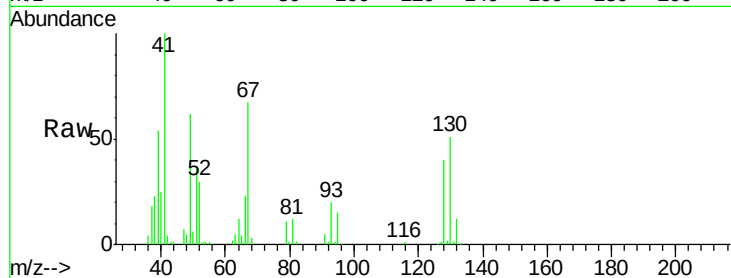
#41
Methacrylonitrile
Concen: 57.57 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	43.8	65.6	
67	70.0	56.3	84.5	
52	30.7	23.2	34.8	

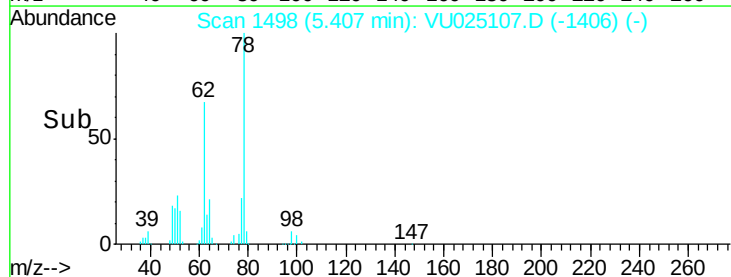
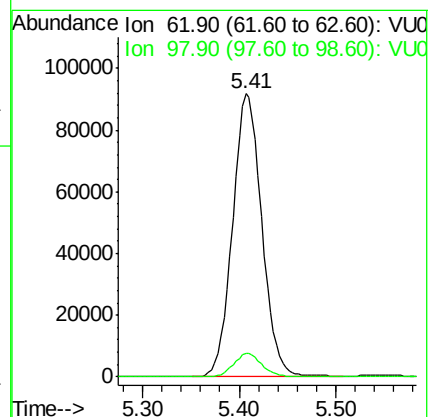
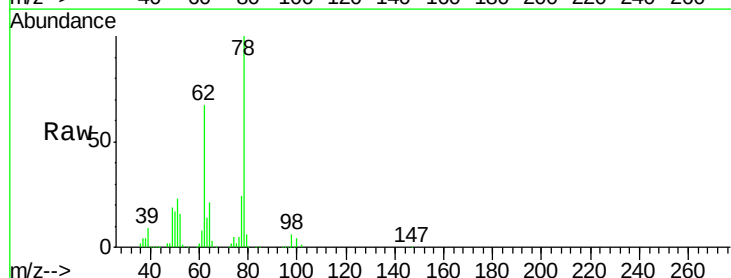
Manual Integrations
APPROVED

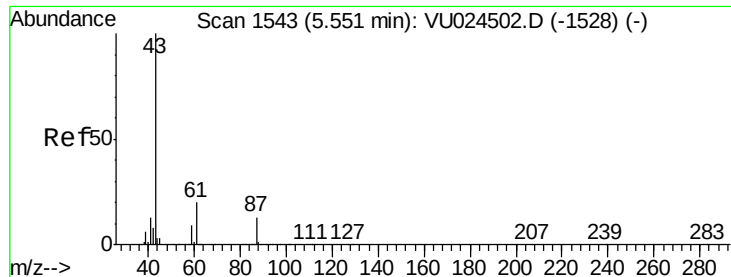
apatel
7/2/2018 4:17:40 PM



#42
1,2-Dichloroethane
Concen: 58.44 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.6	





#43

Isopropyl Acetate

Concen: 51.29 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

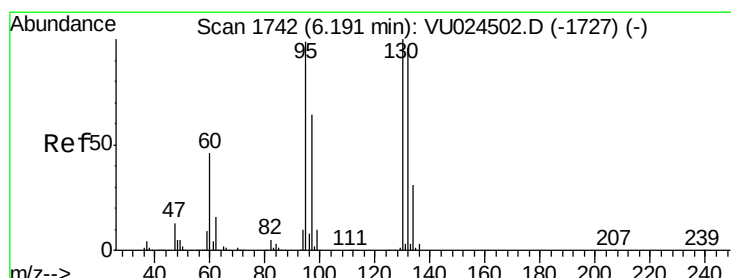
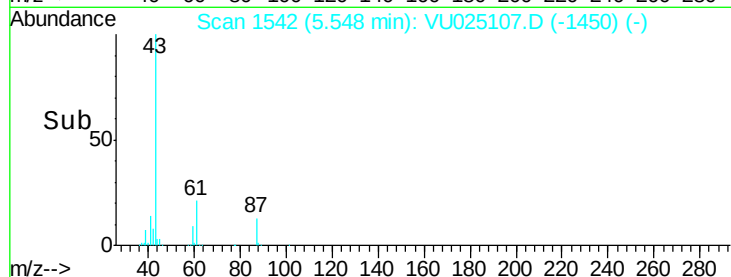
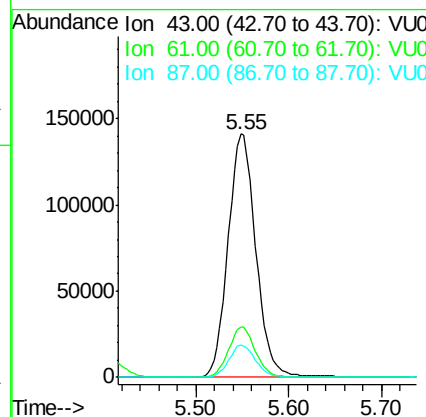
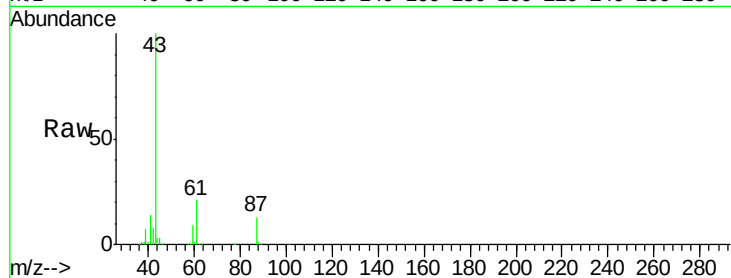
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	293822
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.0
87	12.8	10.0	15.0

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#44

Trichloroethene

Concen: 54.30 ug/l

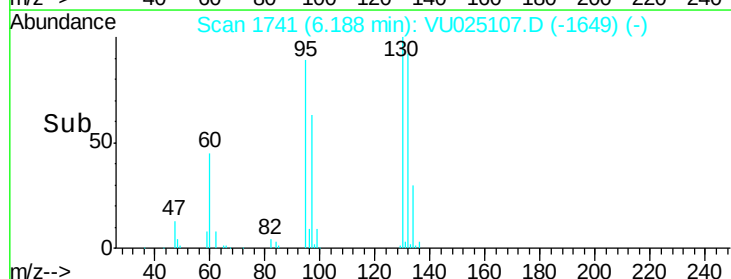
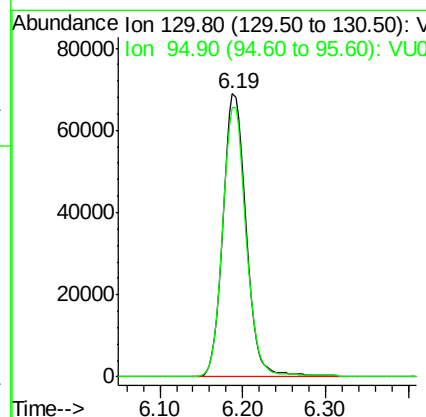
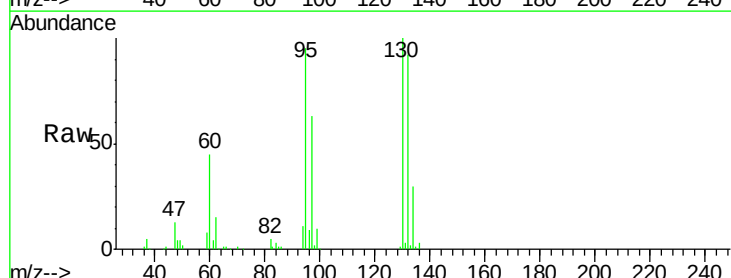
RT: 6.19 min Scan# 1741

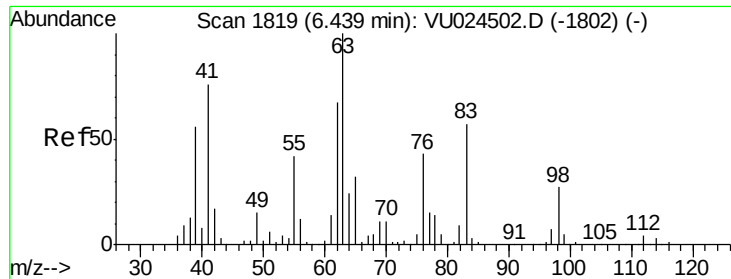
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	130	Resp:	133903
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	202.4





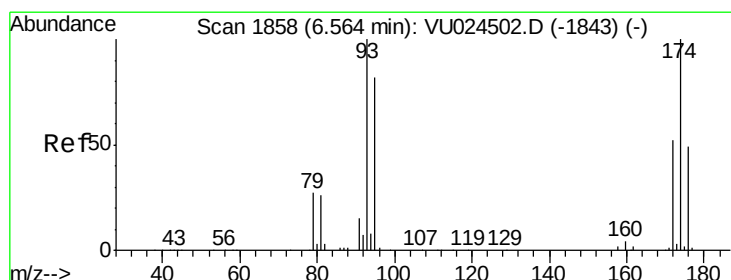
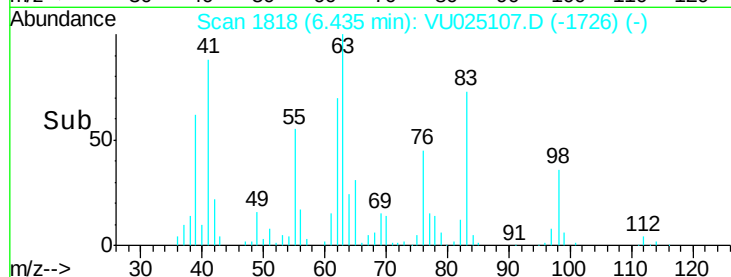
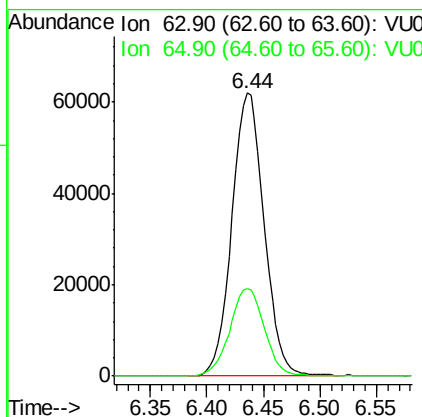
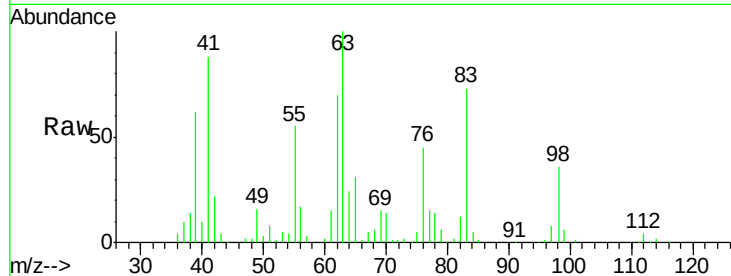
#45
 1,2-Dichloropropane
 Concen: 53.27 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 123164
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

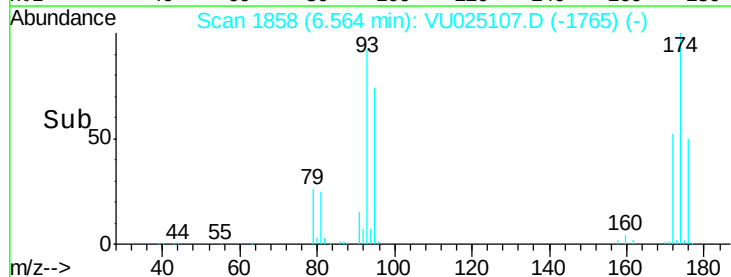
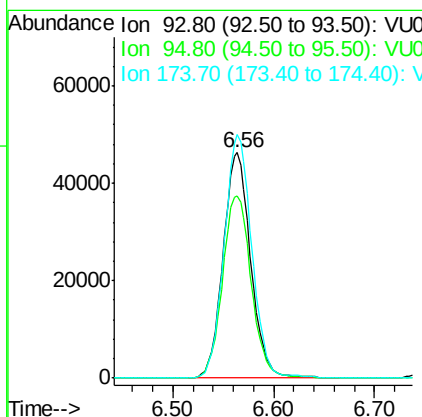
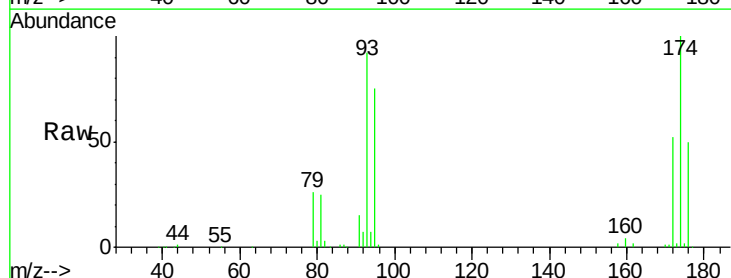
Manual Integrations
 APPROVED

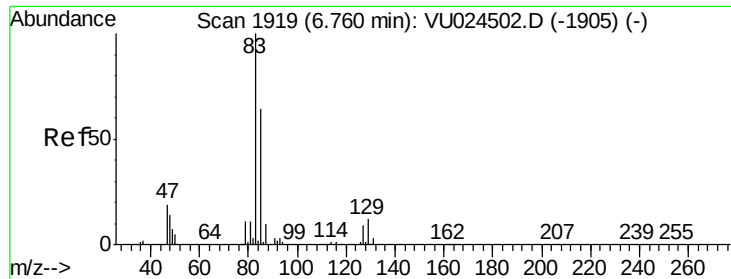
apatel
 7/2/2018 4:17:40 PM



#46
 Dibromomethane
 Concen: 54.48 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion: 93 Resp: 88480
 Ion Ratio Lower Upper
 93 100
 95 83.9 65.5 98.3
 174 108.4 78.7 118.1





#47

Bromodichloromethane

Concen: 53.61 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

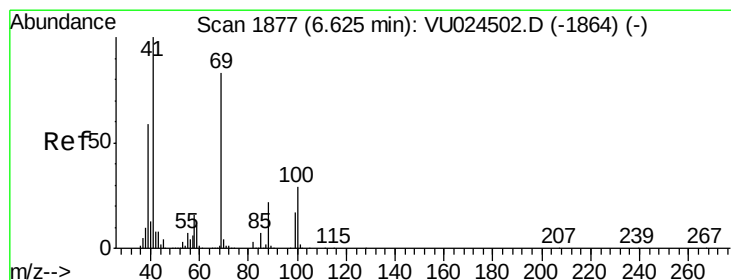
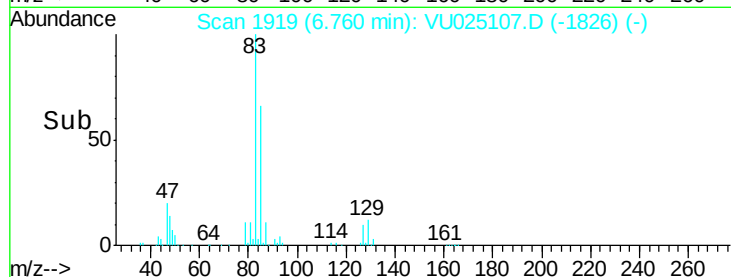
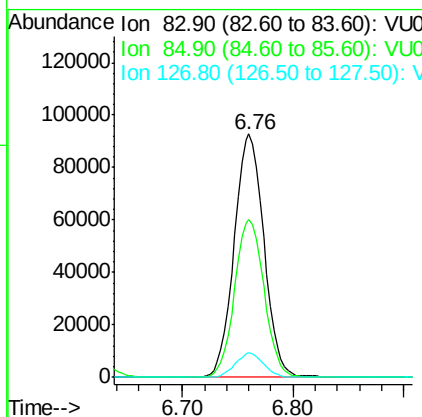
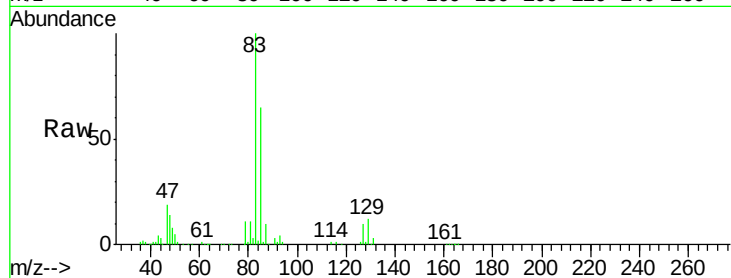
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	173369
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.9	77.9
127	10.0	6.6	9.8#

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#48

Methyl methacrylate

Concen: 54.51 ug/l

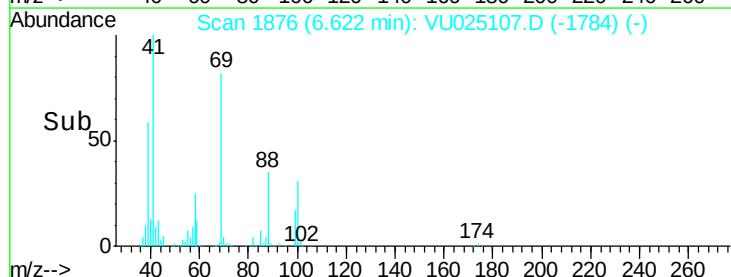
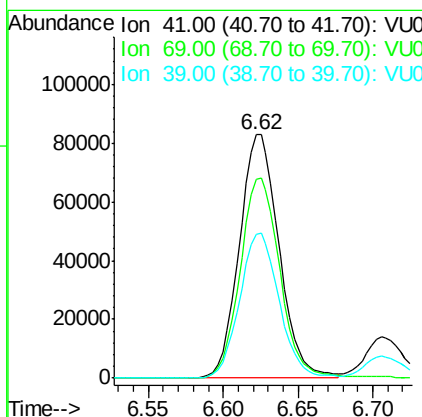
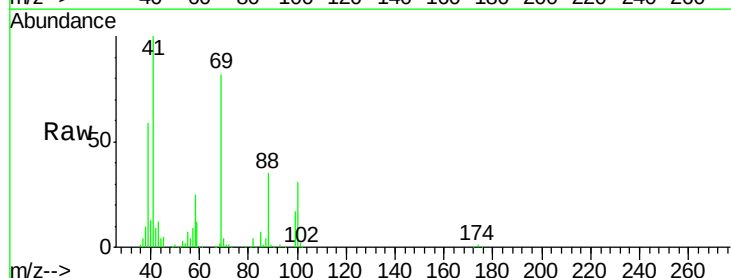
RT: 6.62 min Scan# 1876

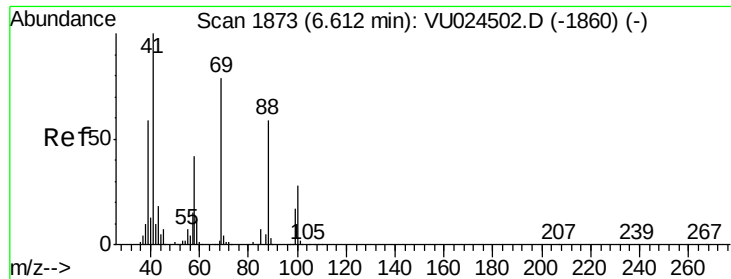
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion	41	Resp	152075
Ion	Ratio	Lower	Upper
41	100		
69	82.5	67.3	100.9
39	59.5	46.5	69.7





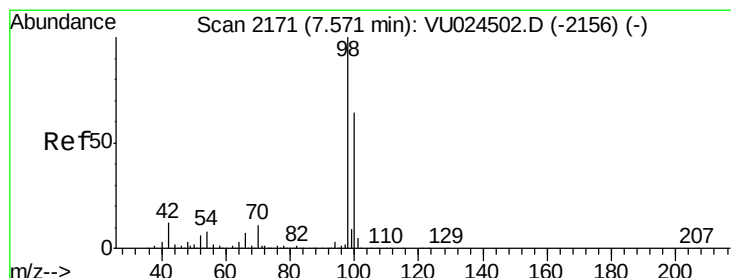
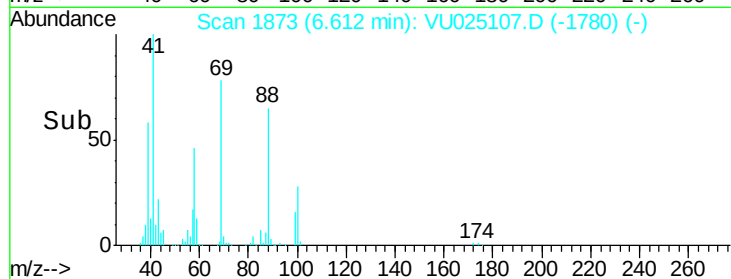
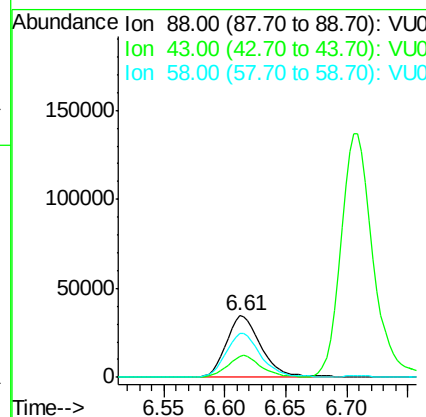
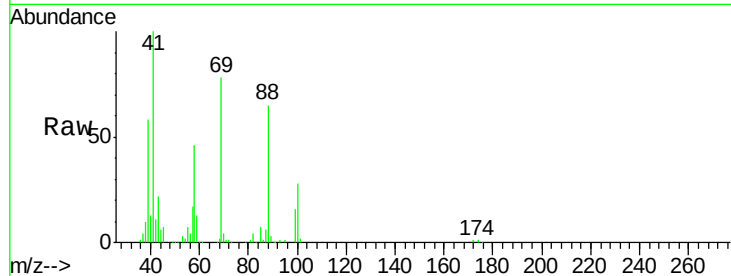
#49
1,4-Dioxane
Concen: 1262.14 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.6	42.8
58	71.7	58.2	87.4

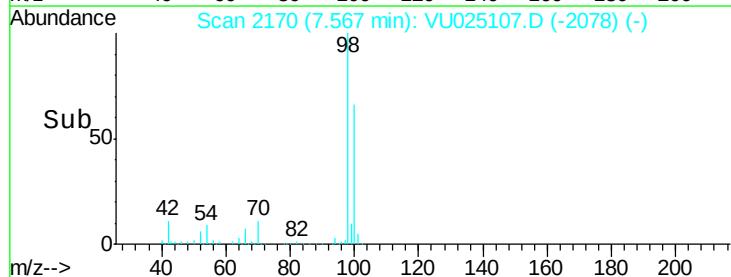
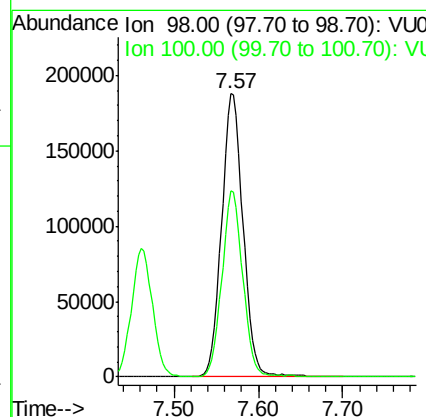
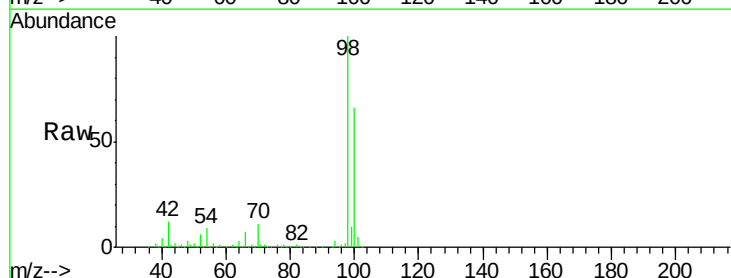
Manual Integrations
APPROVED

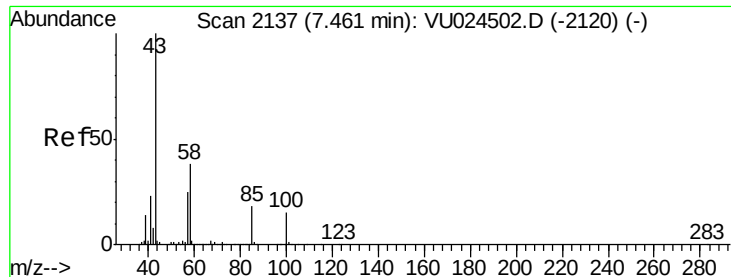
apatel
7/2/2018 4:17:40 PM



#50
Toluene-d8
Concen: 42.54 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 265.90 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 957070

Ion Ratio Lower Upper

43 100

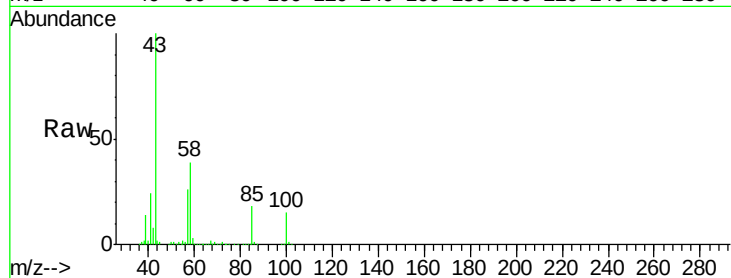
58 38.8 30.0 45.0

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

600000

500000

400000

300000

200000

100000

0

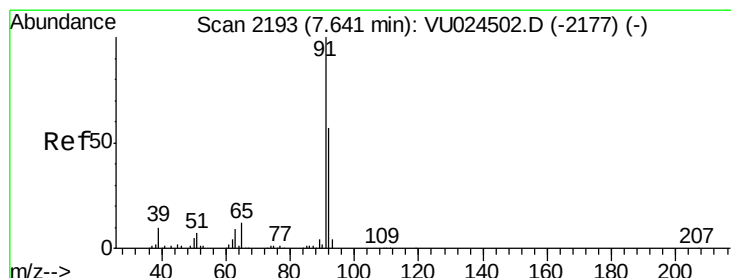
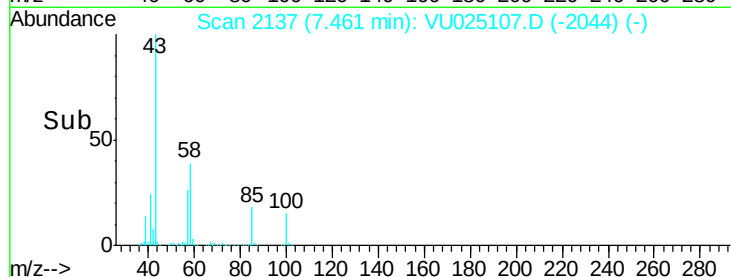
7.46

7.40

7.50

7.60

Time-->



#52

Toluene

Concen: 54.12 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025107.D

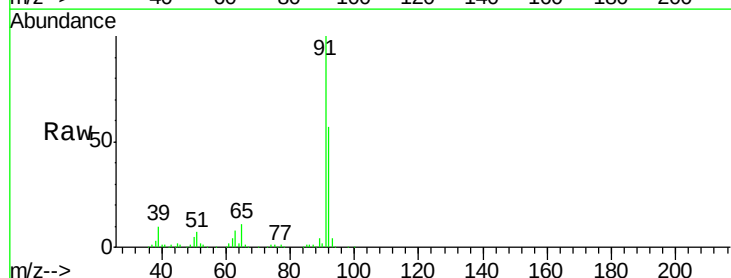
Acq: 30 Jun 2018 22:52

Tgt Ion: 92 Resp: 301725

Ion Ratio Lower Upper

92 100

91 174.4 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

300000

200000

100000

0

7.64

7.55

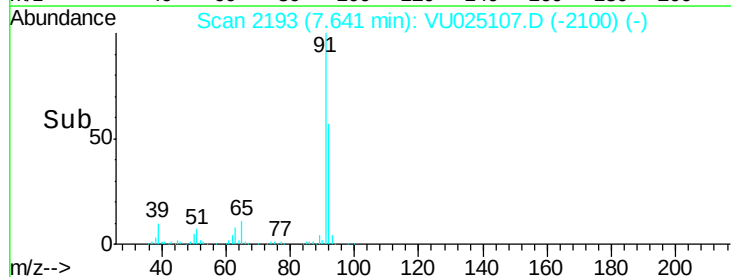
7.60

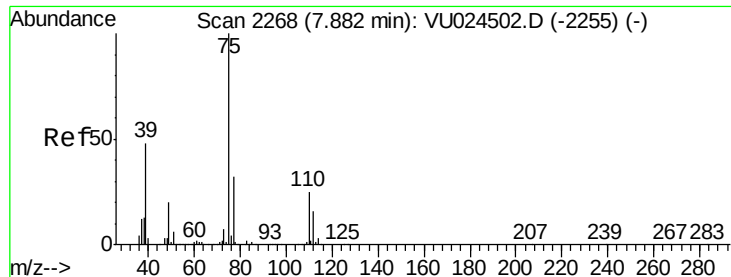
7.65

7.70

7.75

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.33 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 179152

Ion Ratio Lower Upper

75 100

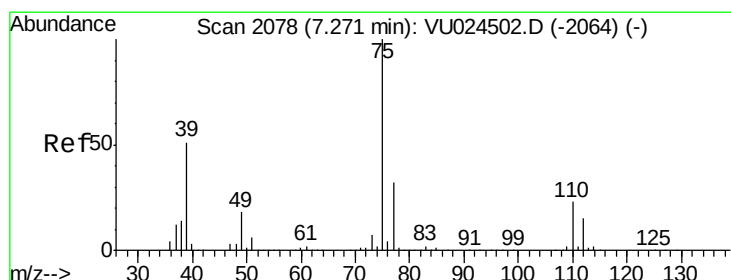
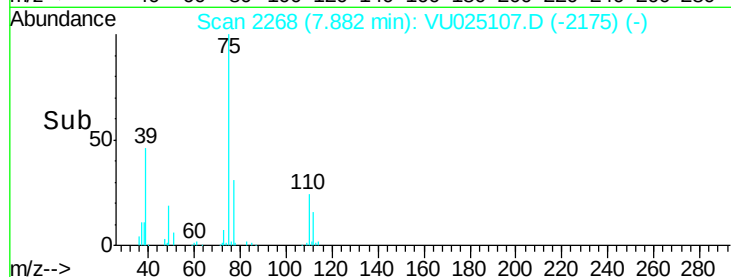
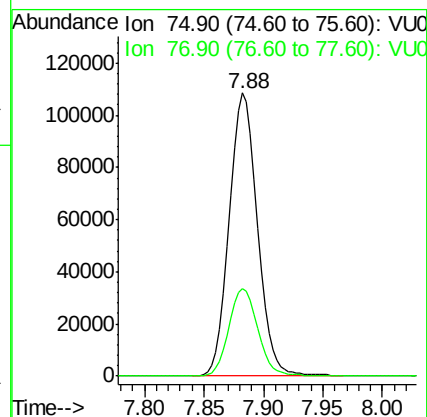
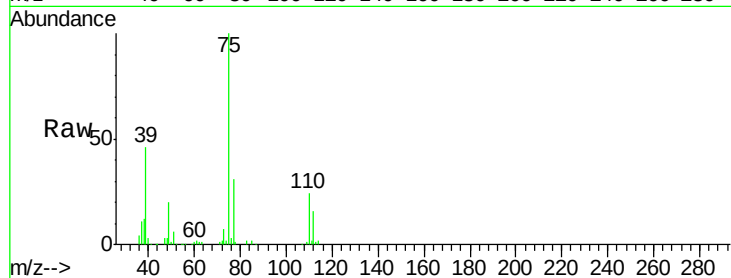
77 31.0 24.8 37.2

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



#54

cis-1,3-Dichloropropene

Concen: 48.74 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

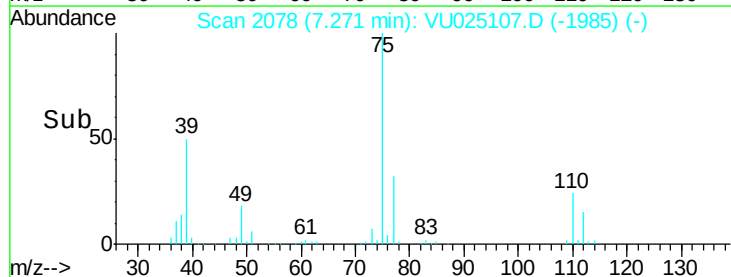
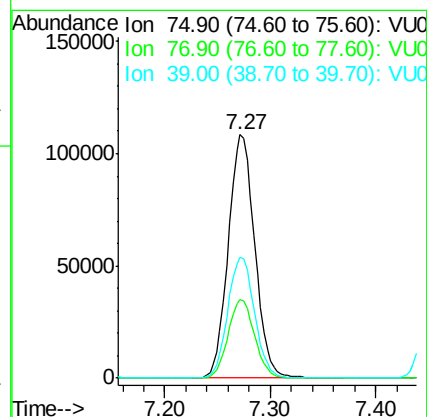
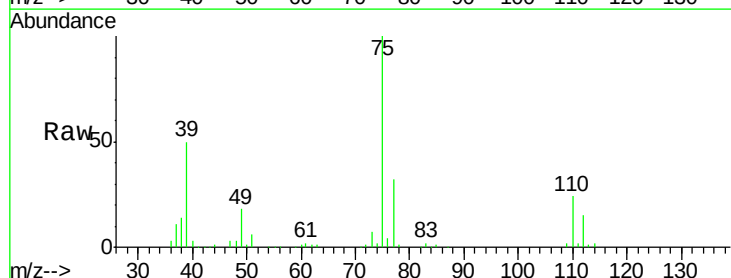
Tgt Ion: 75 Resp: 188606

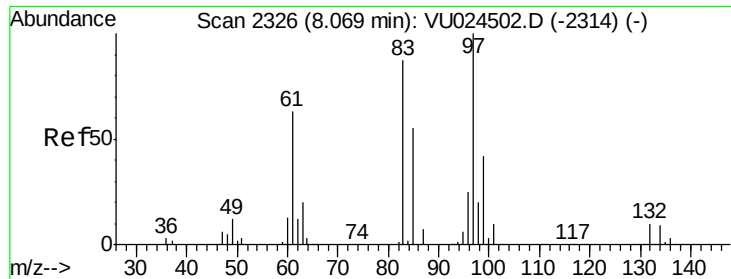
Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 49.7 39.8 59.6





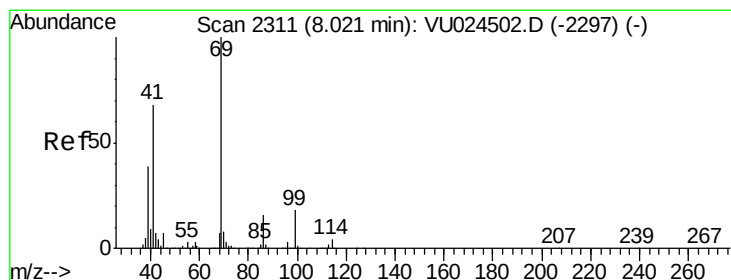
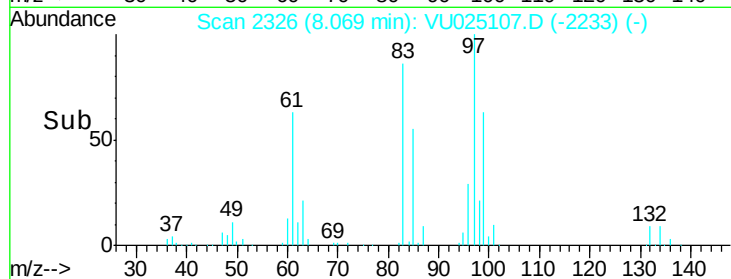
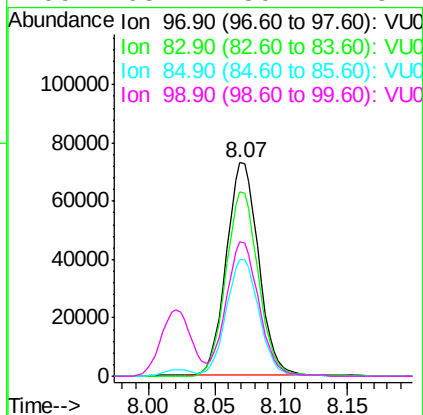
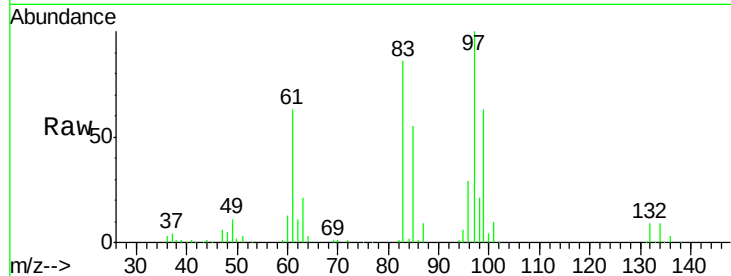
#55
 1,1,2-Trichloroethane
 Concen: 54.48 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	123448
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.5	105.7
85	54.7	46.4	69.6
99	63.1	50.2	75.2

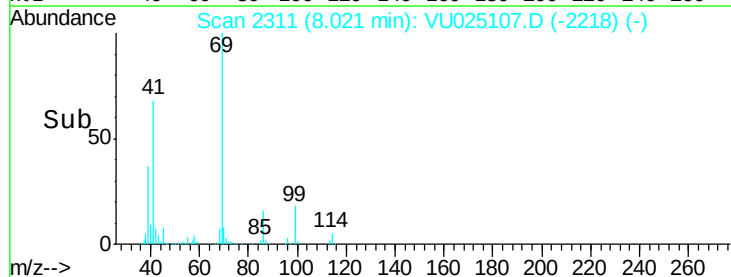
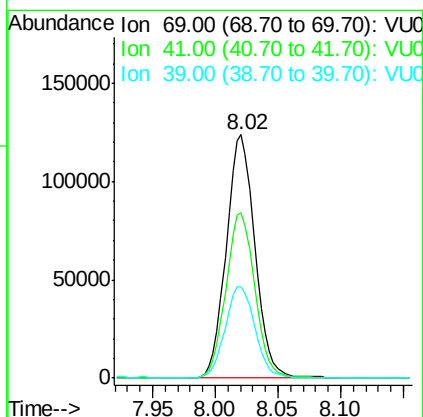
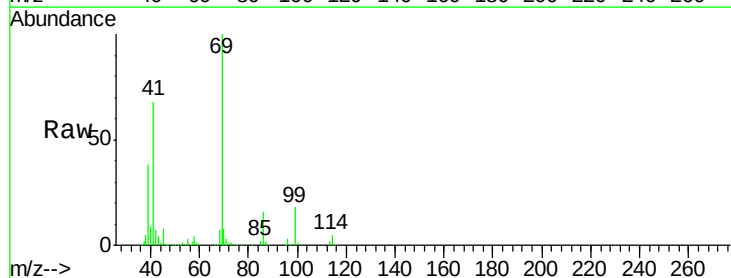
Manual Integrations
 APPROVED

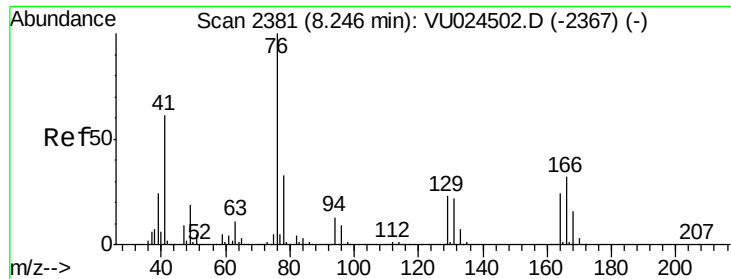
apatel
 7/2/2018 4:17:40 PM



#56
 Ethyl methacrylate
 Concen: 51.79 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion:	69	Resp:	196434
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	38.5	30.3	45.5





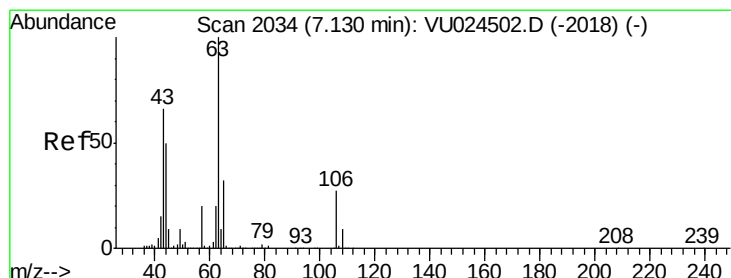
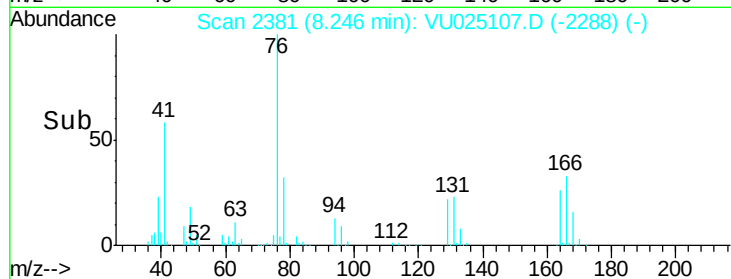
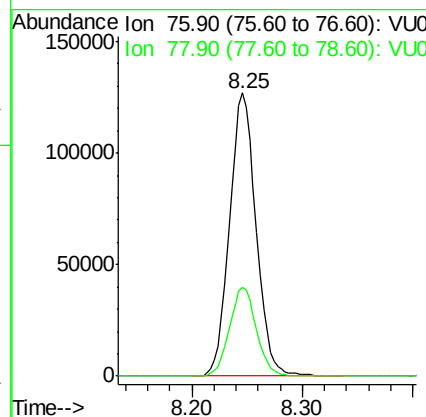
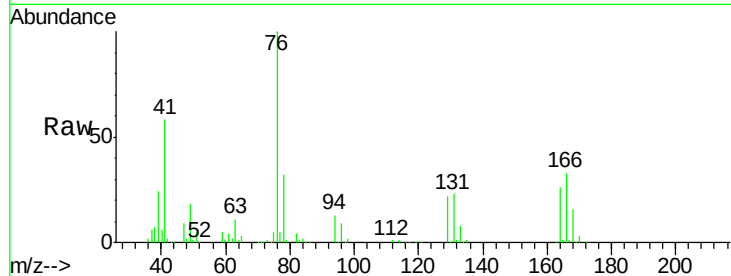
#57
 1,3-Dichloropropane
 Concen: 55.48 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.2	37.8

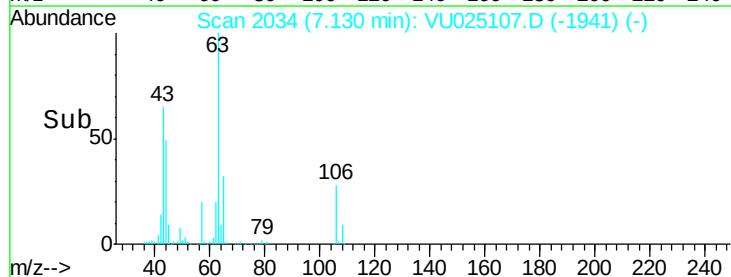
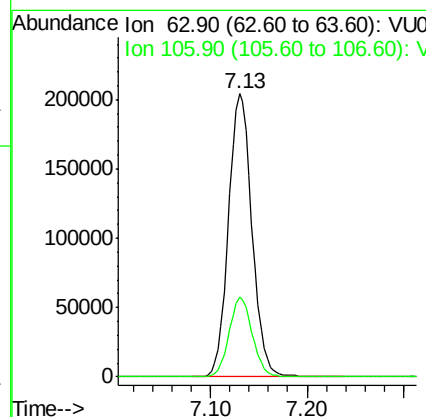
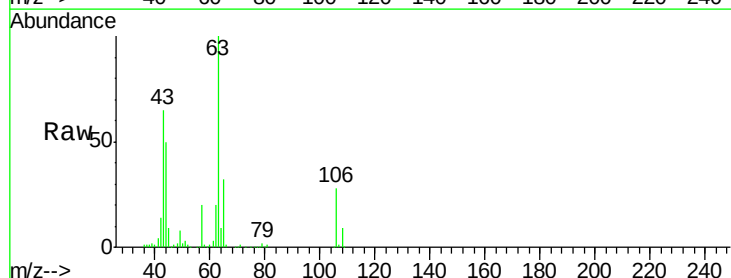
Manual Integrations
 APPROVED

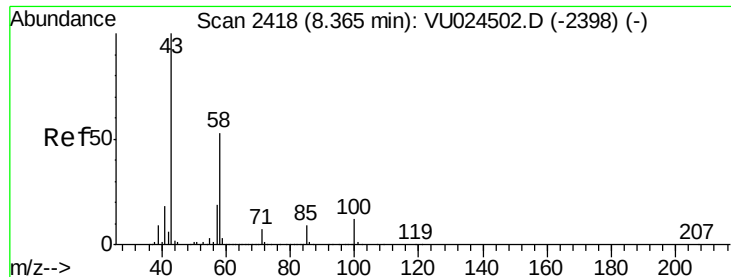
apatel
 7/2/2018 4:17:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.84 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	20.2	30.2





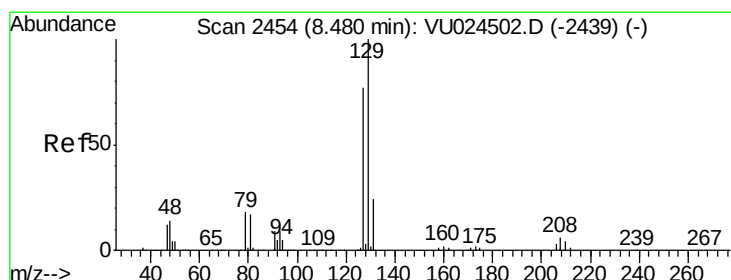
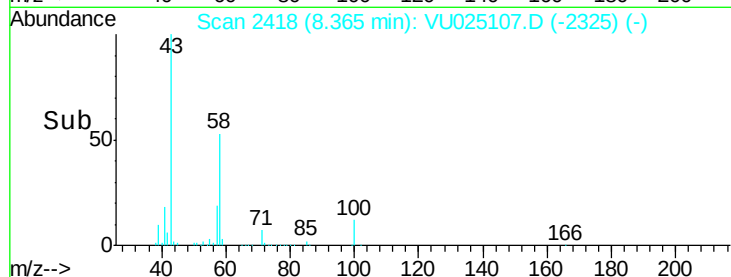
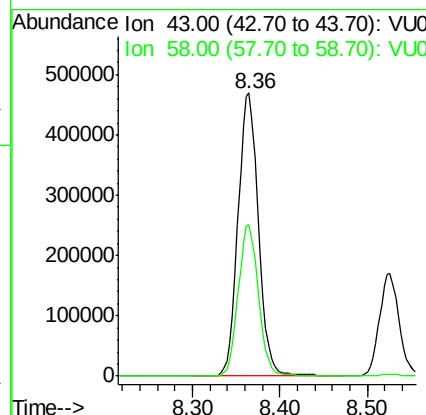
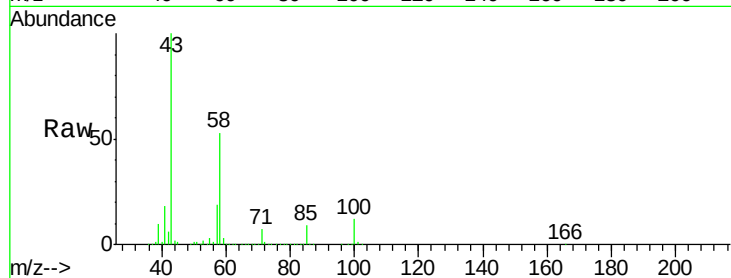
#59
2-Hexanone
Concen: 258.76 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.4	79.0

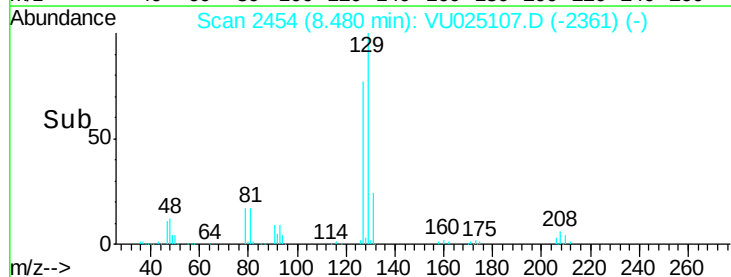
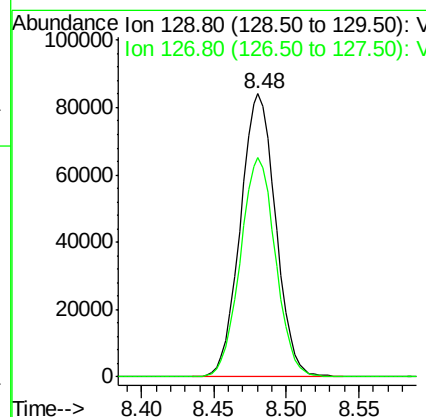
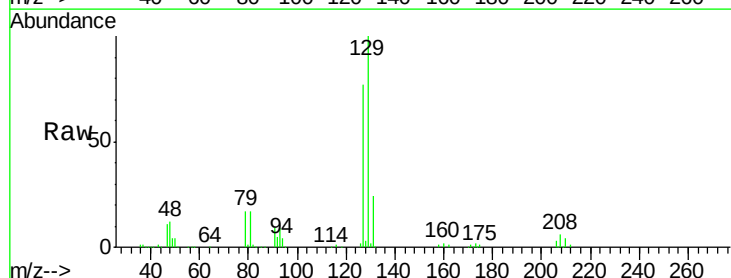
Manual Integrations
APPROVED

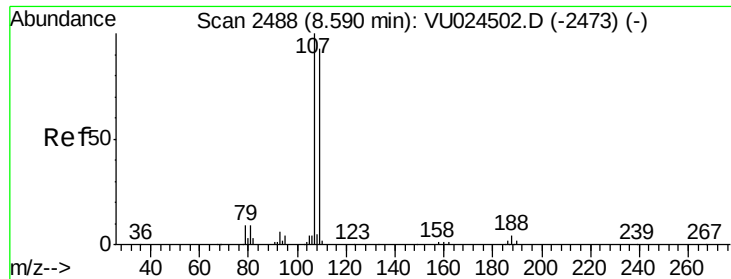
apatel
7/2/2018 4:17:40 PM



#60
Dibromochloromethane
Concen: 50.40 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	116.0





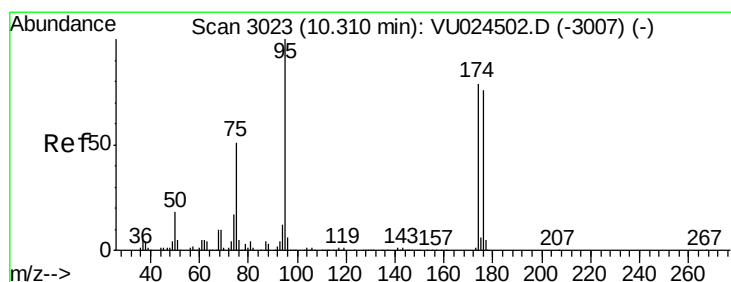
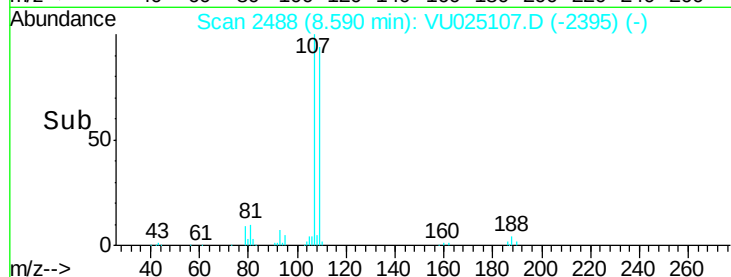
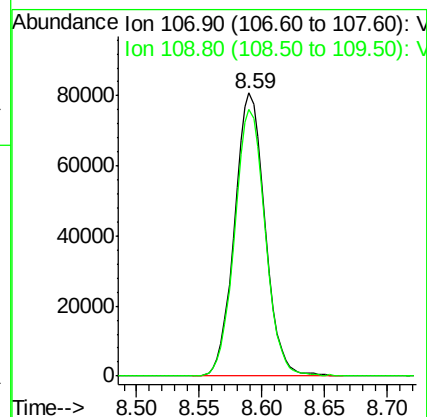
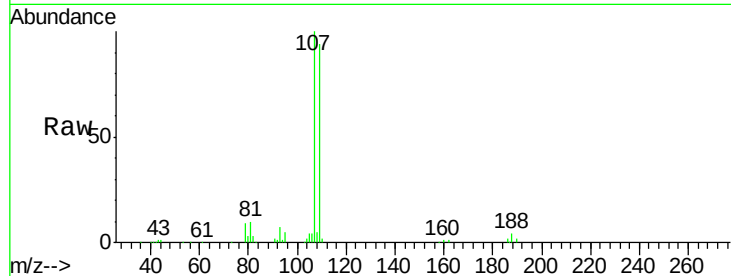
#61
 1,2-Dibromoethane
 Concen: 54.11 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.5	111.7

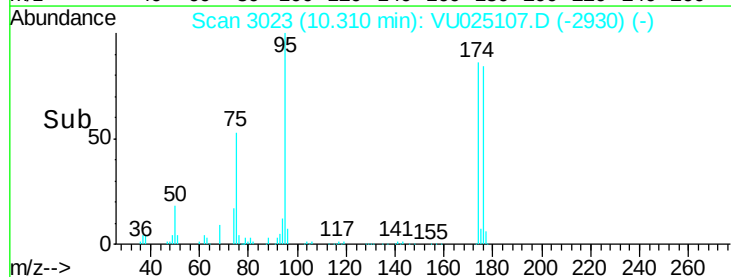
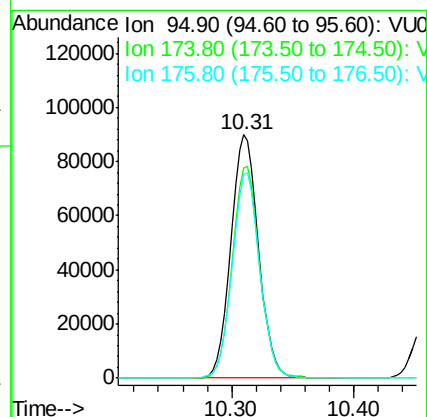
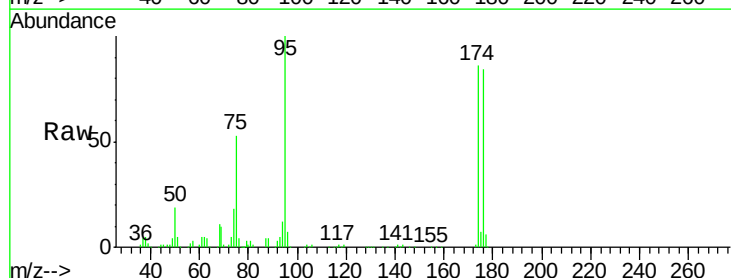
Manual Integrations
 APPROVED

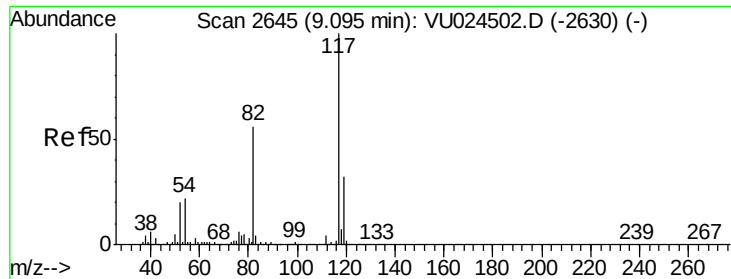
apatel
 7/2/2018 4:17:40 PM



#62
 4-Bromofluorobenzene
 Concen: 45.90 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	165.8
176	83.9	0.0	159.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

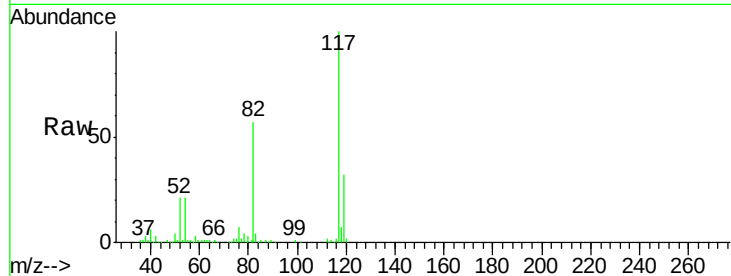
ClientSampleId :

VSTDCCC050EC

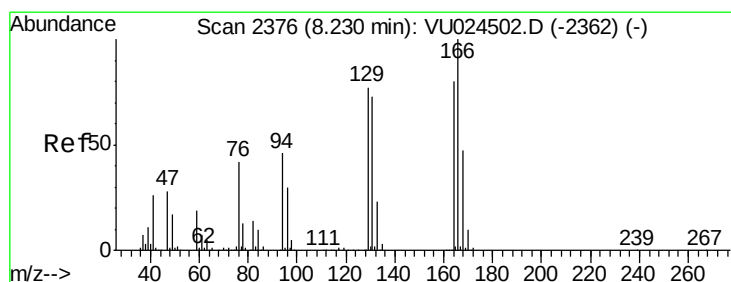
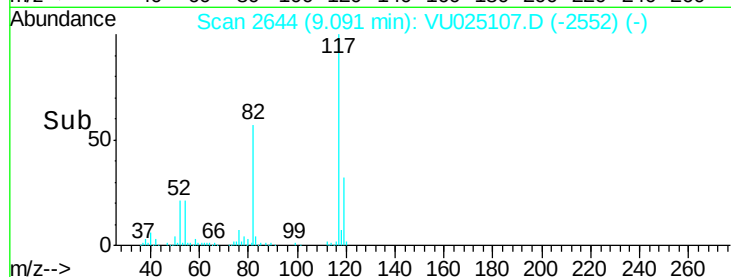
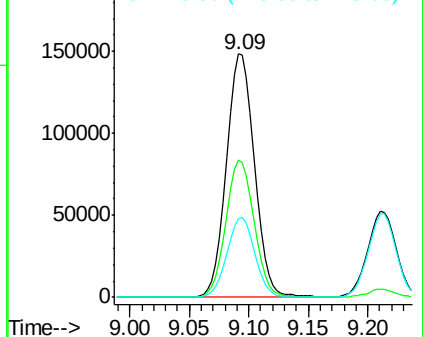
Tot Ion:	117	Resp:	243656
Ion Ratio		Lower	Upper
117	100		
82	56.5	44.3	66.5
119	32.5	25.4	38.2

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



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



#64

Tetrachloroethene

Concen: 56.13 ug/l

RT: 8.23 min Scan# 2376

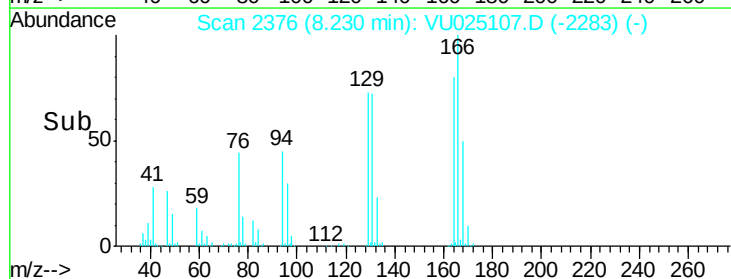
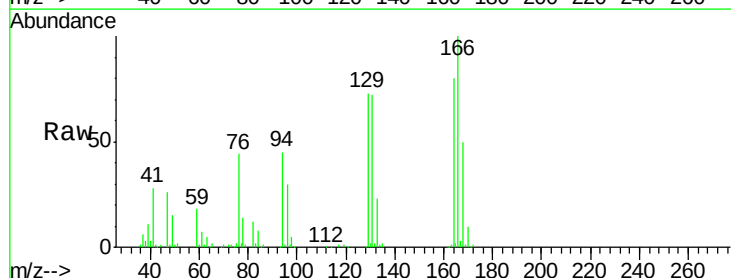
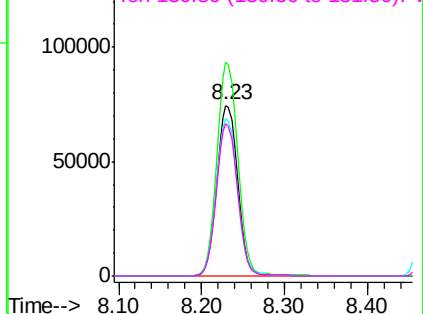
Delta R.T. -0.00 min

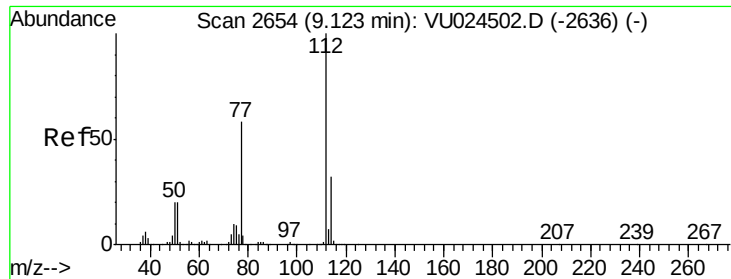
Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	164	Resp:	129995
Ion Ratio		Lower	Upper
164	100		
166	125.0	101.7	152.5
129	91.8	76.9	115.3
131	89.4	74.9	112.3

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





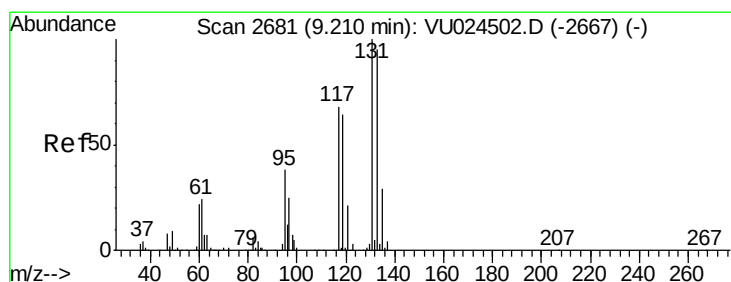
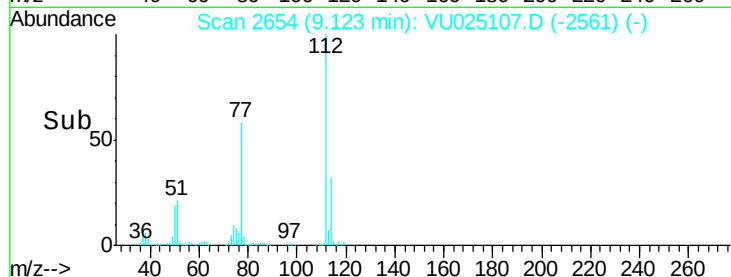
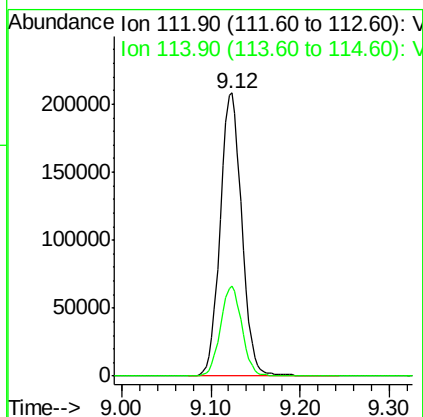
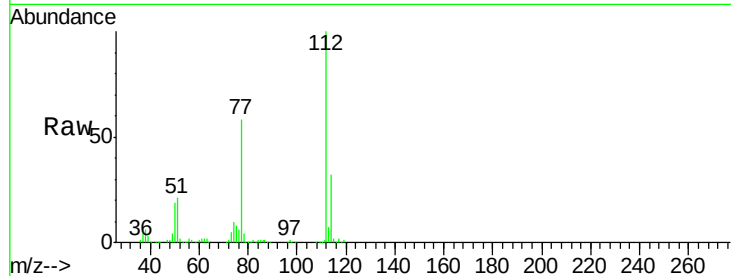
#65
Chlorobenzene
Concen: 56.11 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

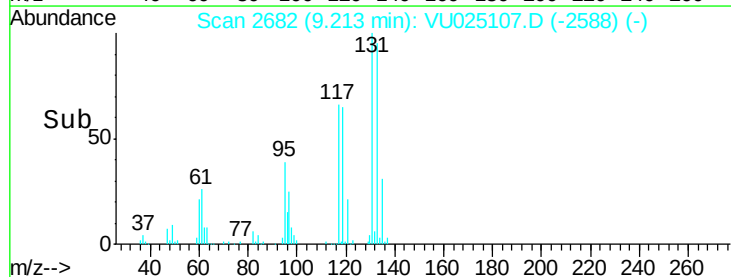
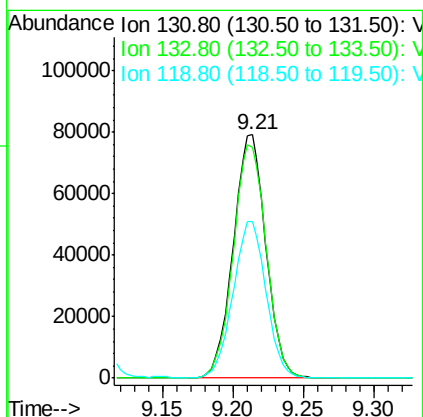
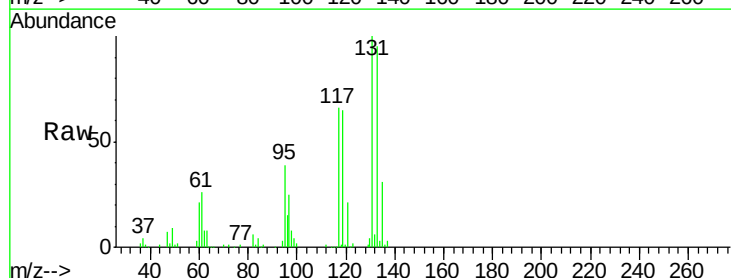
Manual Integrations
APPROVED

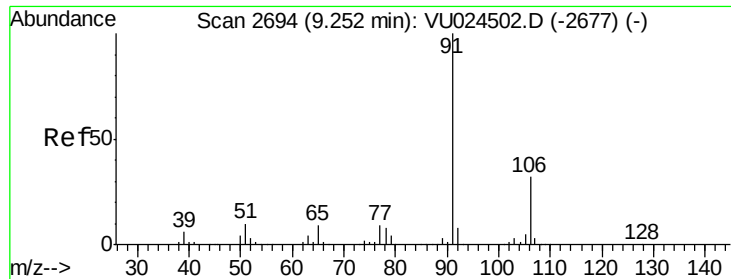
apatel
7/2/2018 4:17:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.29 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	46.9	140.8
119	64.7	33.5	100.4





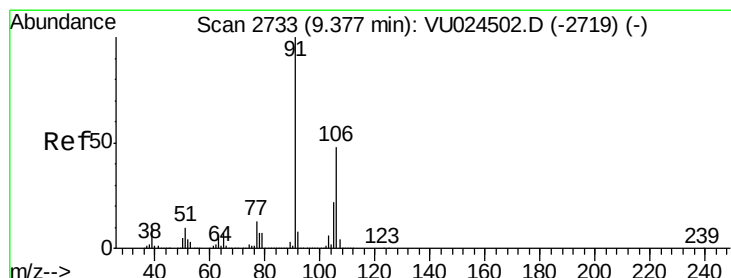
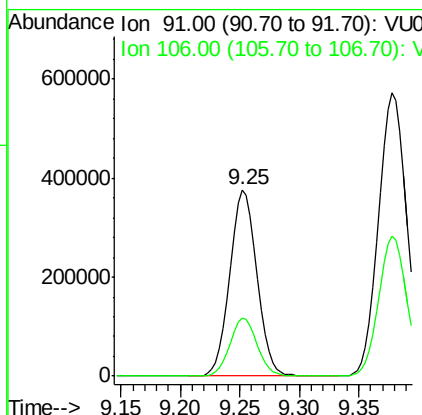
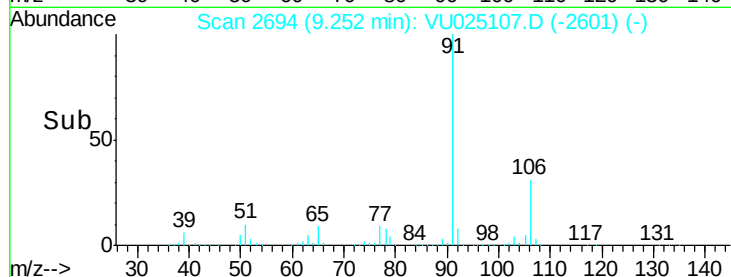
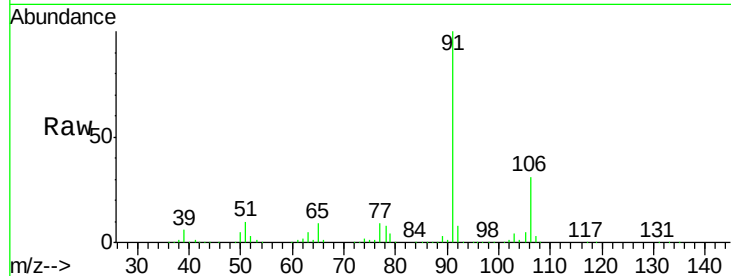
#67
Ethyl Benzene
Concen: 54.55 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 595205
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

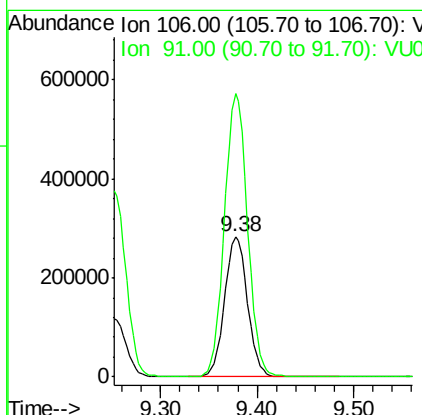
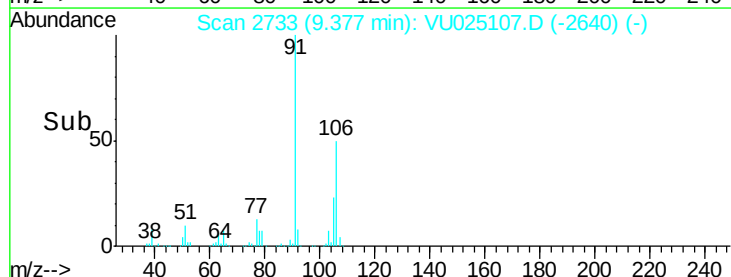
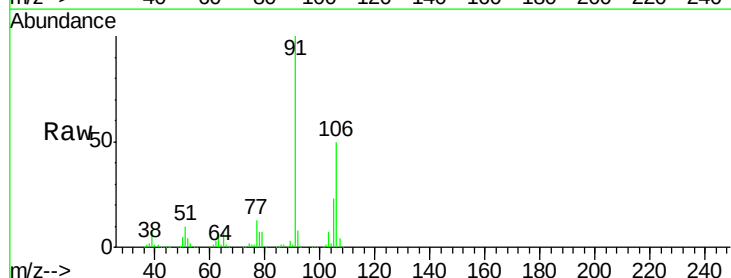
Manual Integrations
APPROVED

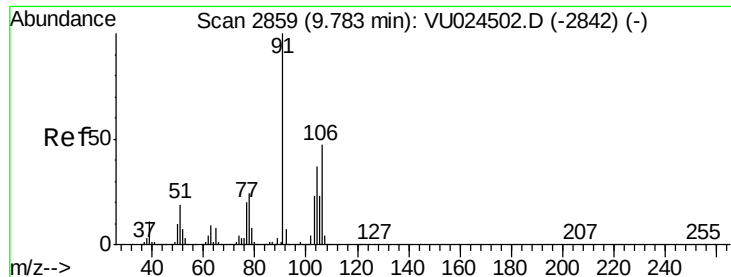
apatel
7/2/2018 4:17:40 PM



#68
m/p-Xylenes
Concen: 110.90 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion: 106 Resp: 464691
Ion Ratio Lower Upper
106 100
91 203.7 166.5 249.7





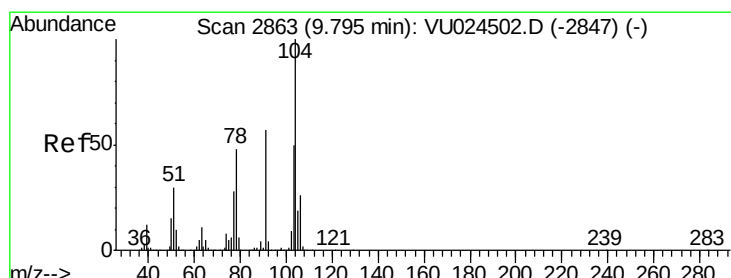
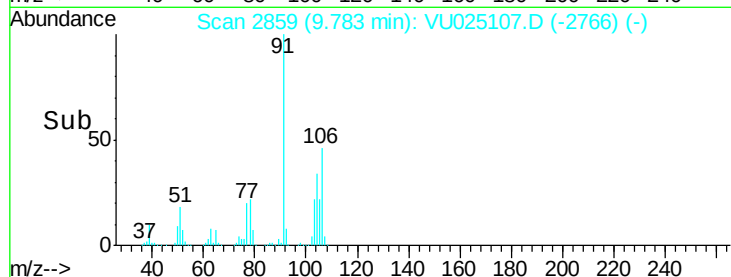
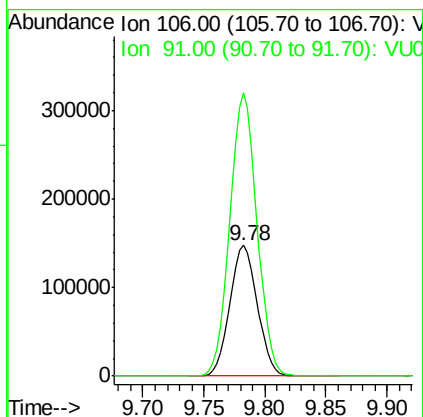
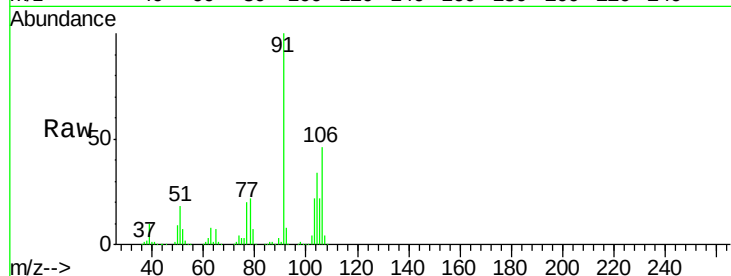
#69
o-Xylene
Concen: 56.23 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.6	110.7	331.9

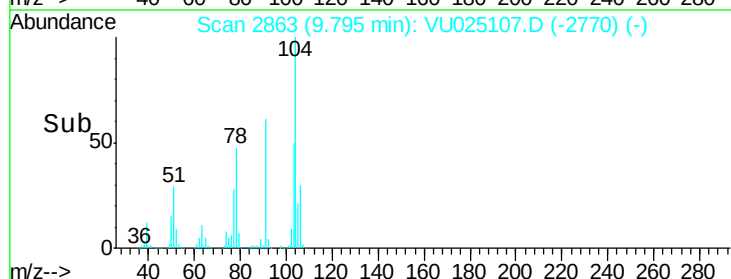
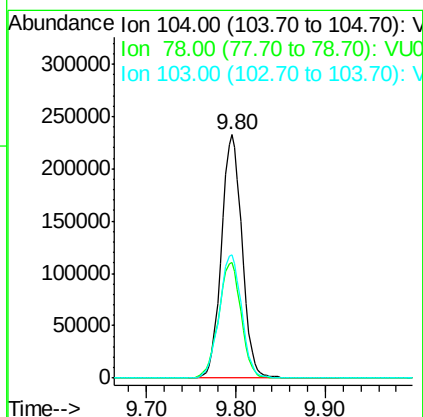
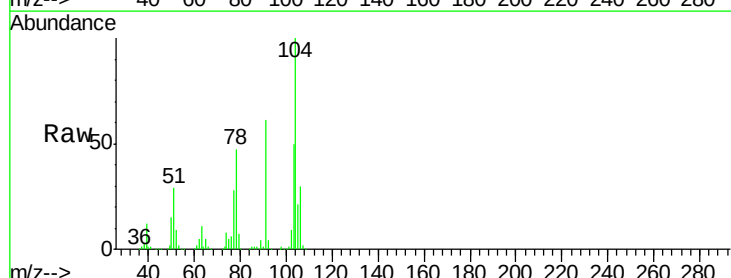
Manual Integrations
APPROVED

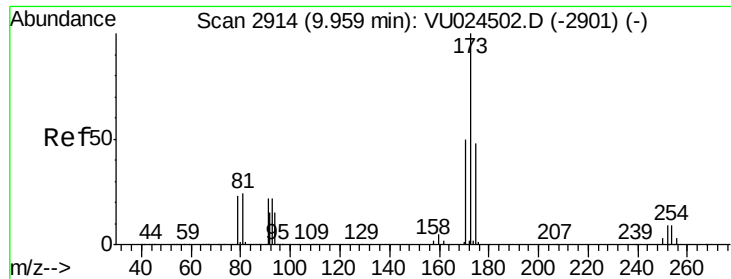
apatel
7/2/2018 4:17:40 PM



#70
Styrene
Concen: 54.53 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.6	60.8
103	54.7	44.7	67.1





#71

Bromoform

Concen: 50.21 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

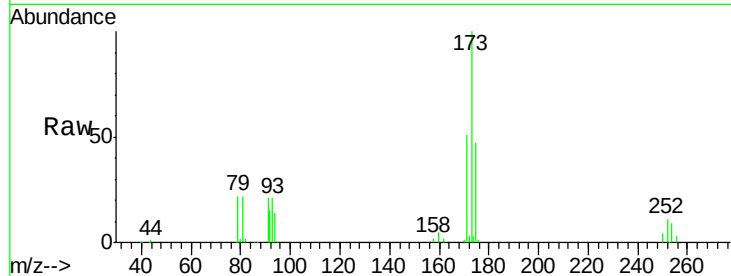
ClientSampleId :

VSTDCCC050EC

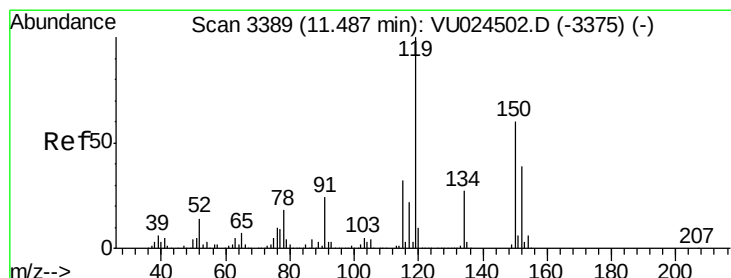
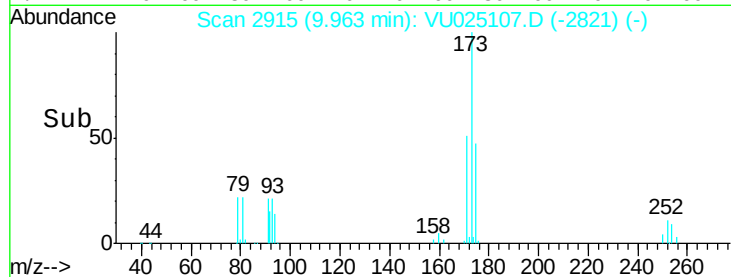
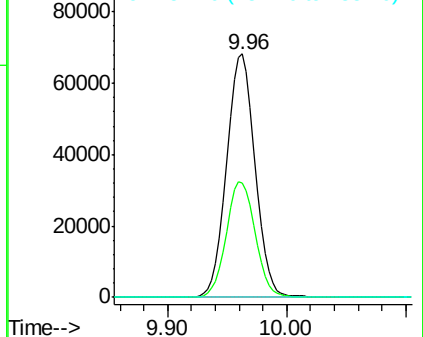
Tot Ion:	173	Resp:	112849
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

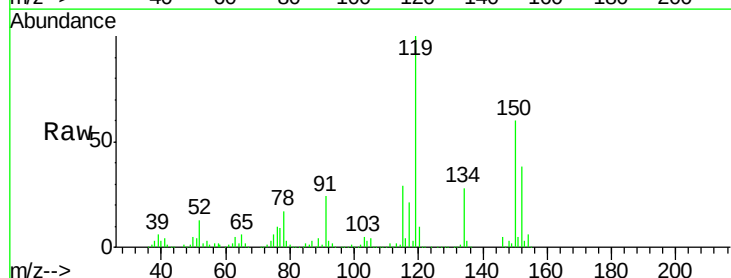
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

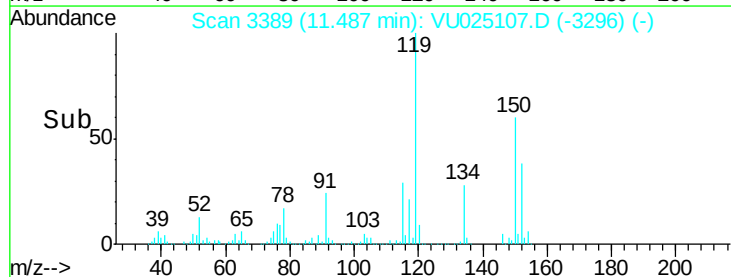
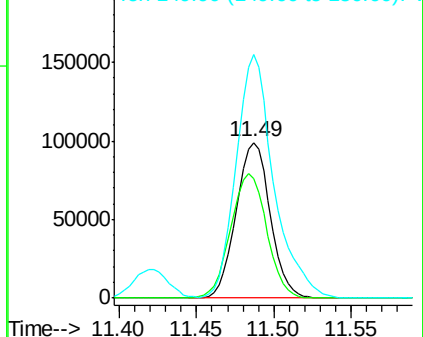
Lab File: VU025107.D

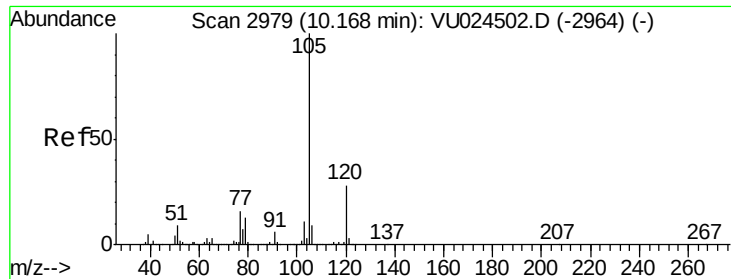
Acq: 30 Jun 2018 22:52

Tgt Ion:	152	Resp:	151524
Ion Ratio	Lower	Upper	
152	100		
115	84.4	43.0	129.0
150	172.6	0.0	354.0



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





#73

Isopropylbenzene

Concen: 53.43 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 621579

Ion Ratio Lower Upper

105 100

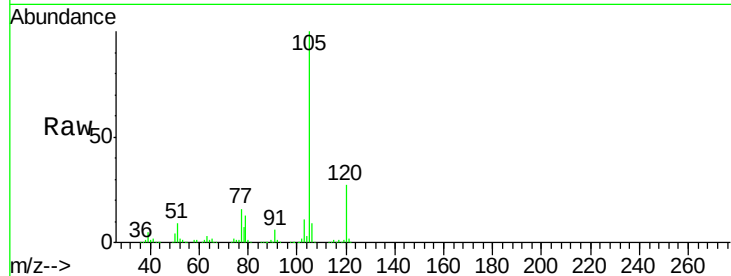
120 26.6 13.2 39.6

Manual Integrations

APPROVED

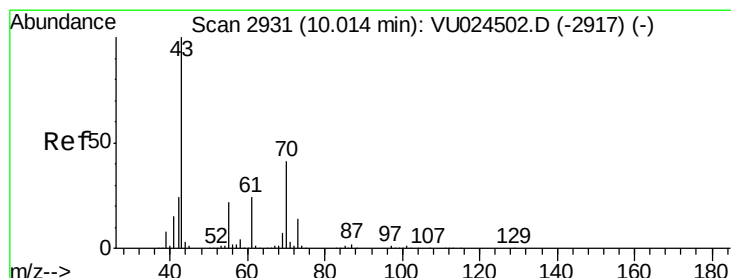
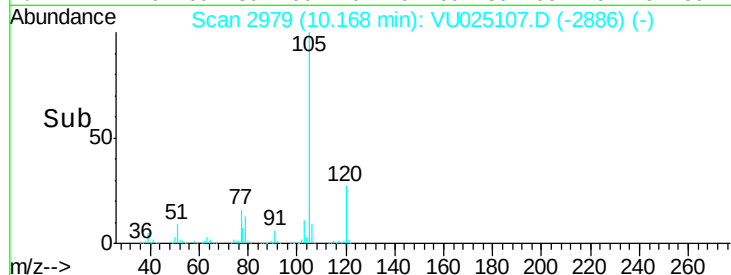
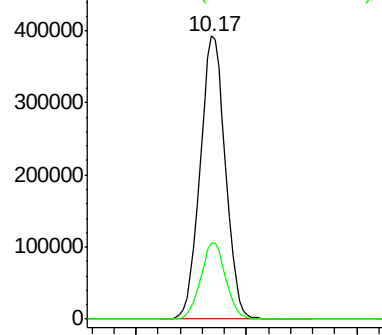
apatel

7/2/2018 4:17:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.88 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion: 43 Resp: 259411

Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 24.2 20.5 30.7

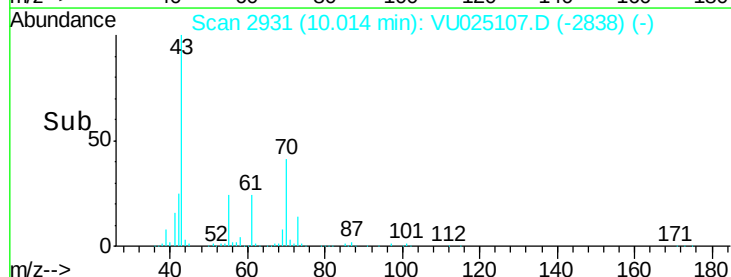
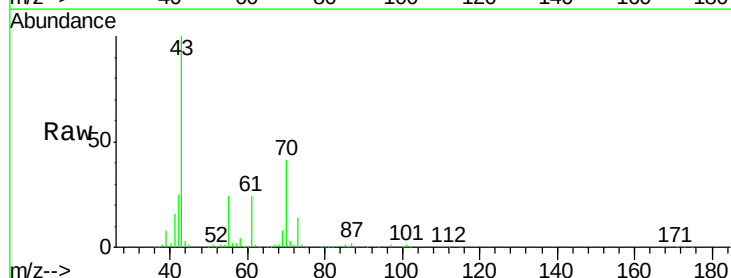
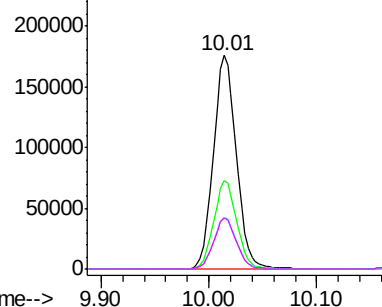
61 23.7 18.7 28.1

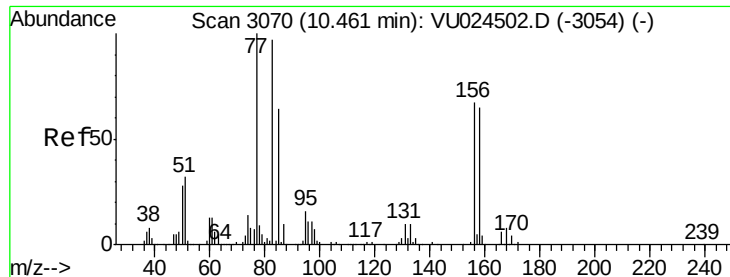
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.80 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 205835

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

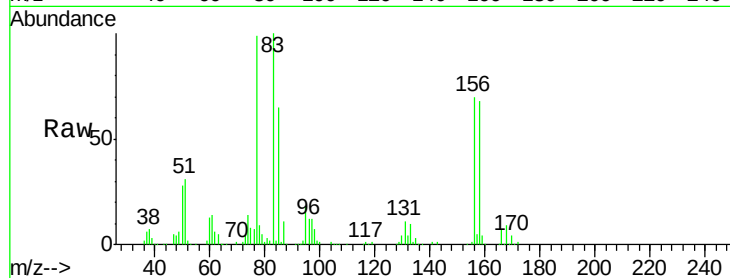
85 65.1 32.5 97.5

Manual Integrations

APPROVED

apatel

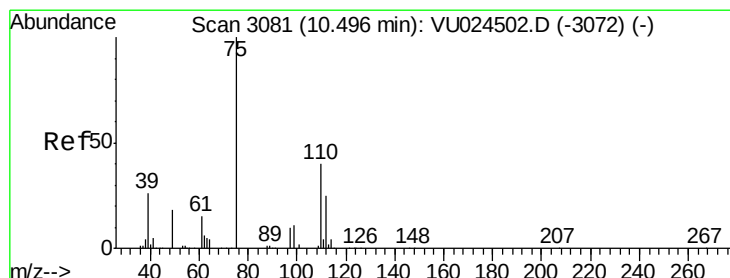
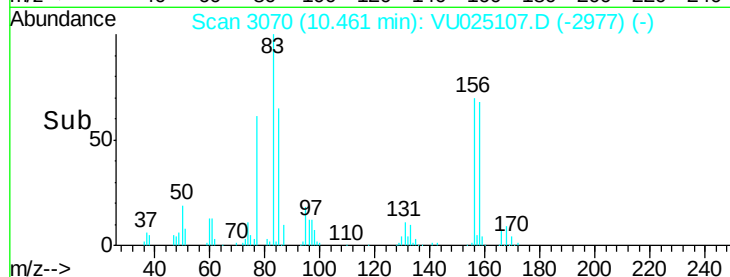
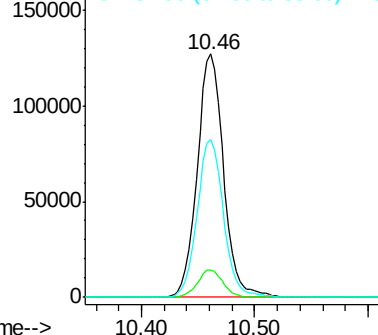
7/2/2018 4:17:40 PM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 56.32 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025107.D

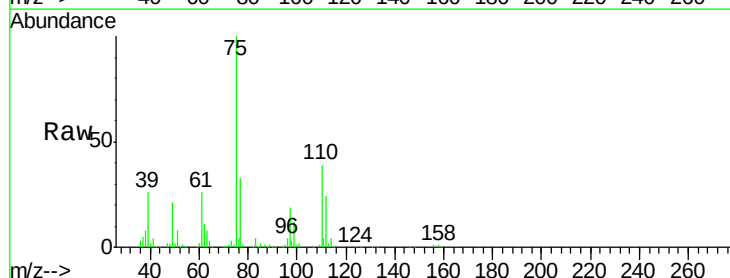
Acq: 30 Jun 2018 22:52

Tgt Ion: 75 Resp: 187894

Ion Ratio Lower Upper

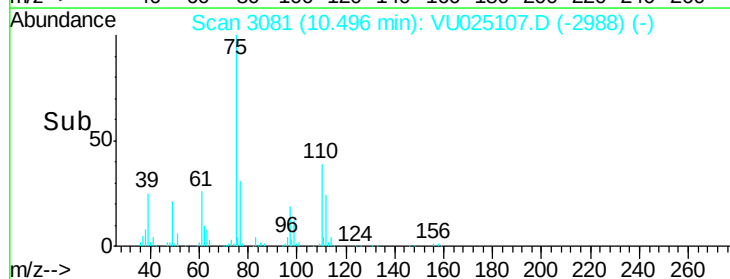
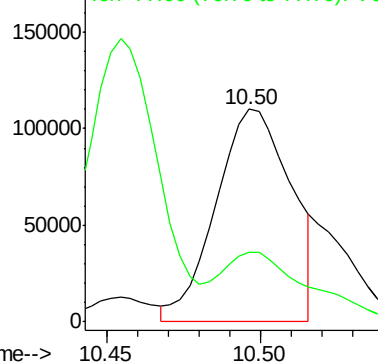
75 100

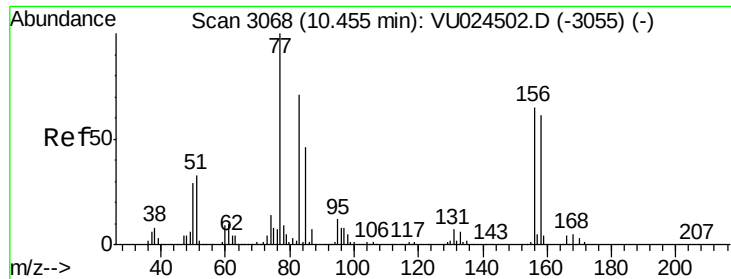
77 37.8 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





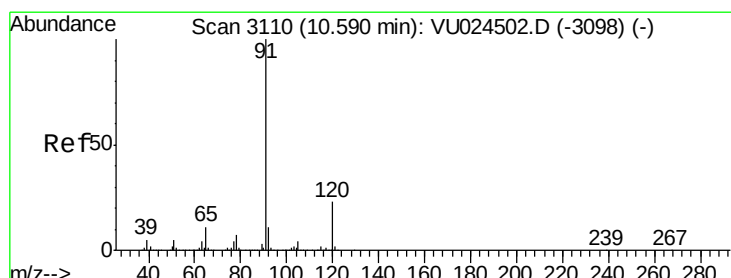
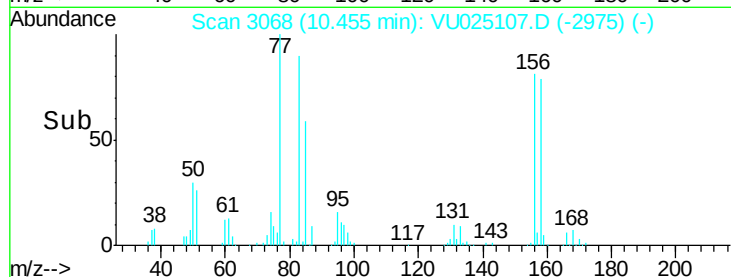
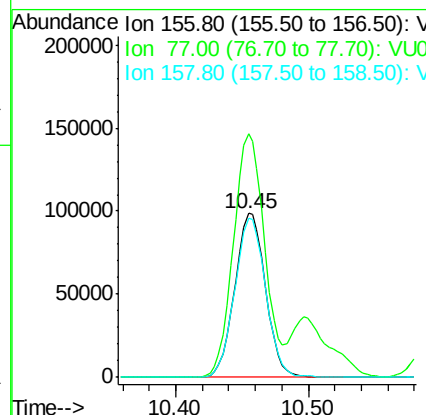
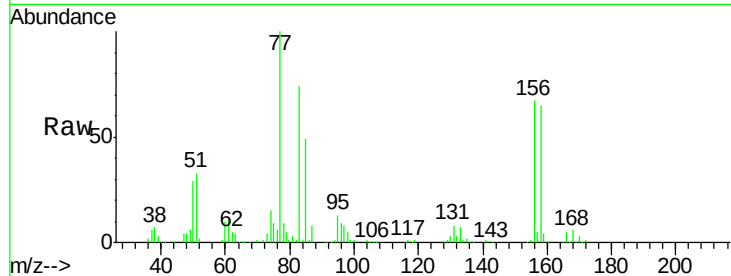
#77
Bromobenzene
Concen: 53.87 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.0	80.5	241.3
158	97.6	48.2	144.6

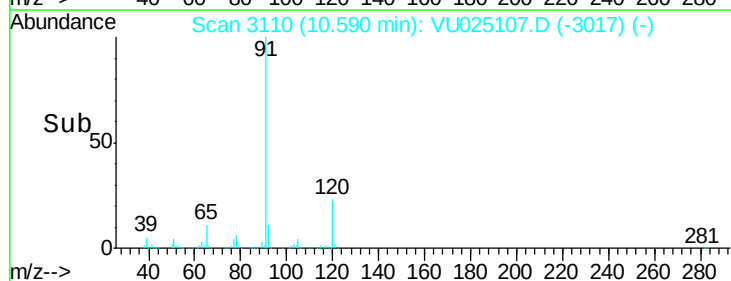
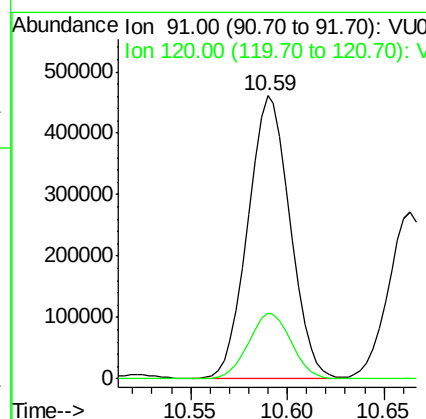
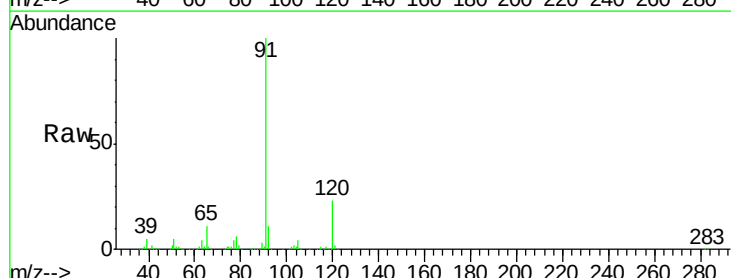
Manual Integrations
APPROVED

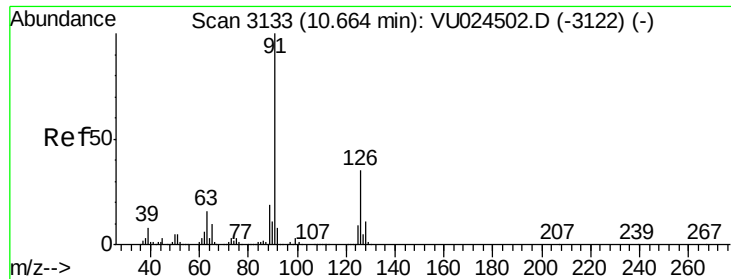
apatel
7/2/2018 4:17:40 PM



#78
n-propylbenzene
Concen: 50.95 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 52.31 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 422766

Ion Ratio Lower Upper

91 100

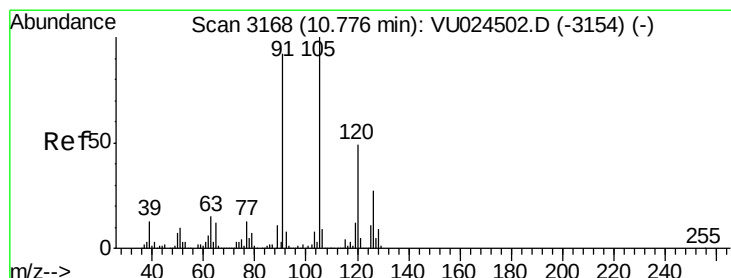
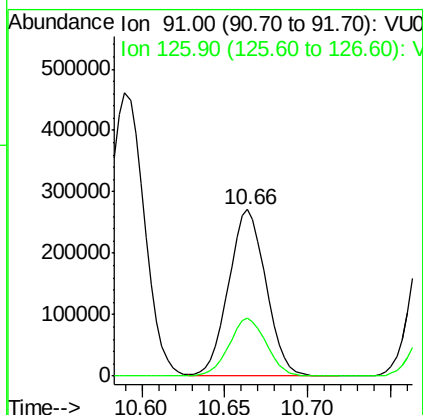
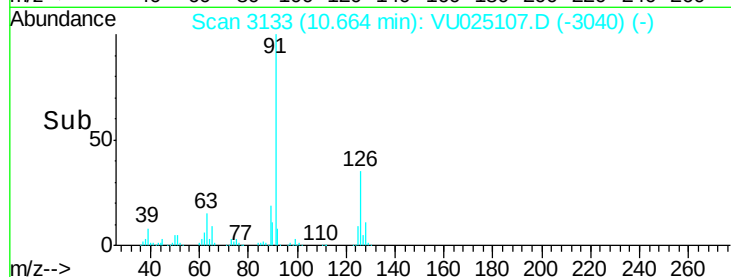
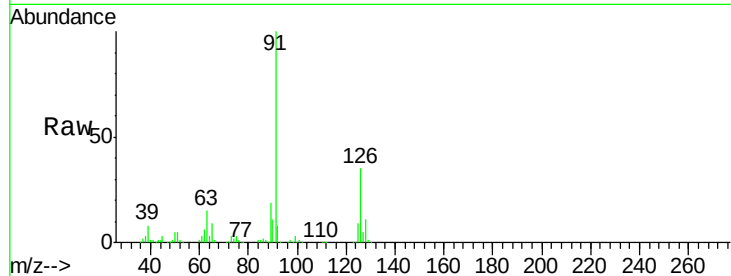
126 34.8 16.9 50.7

Manual Integrations

APPROVED

apatel

7/2/2018 4:17:40 PM



#80

1,3,5-Trimethylbenzene

Concen: 52.94 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025107.D

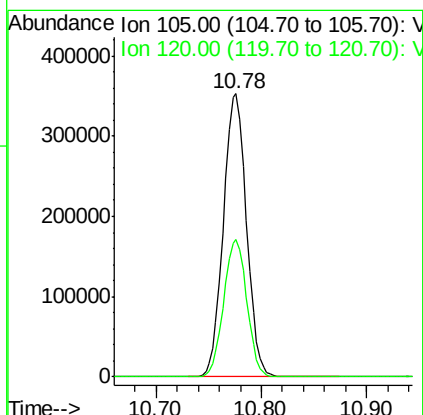
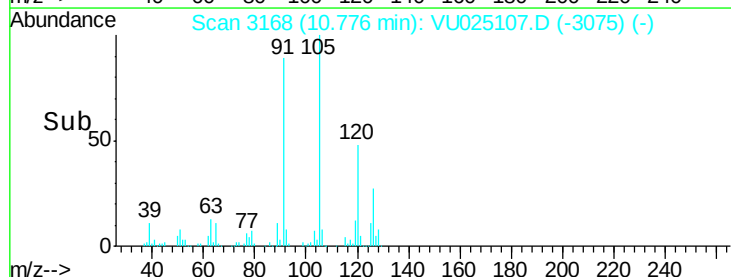
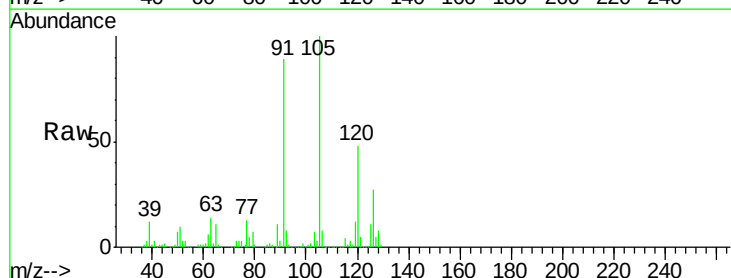
Acq: 30 Jun 2018 22:52

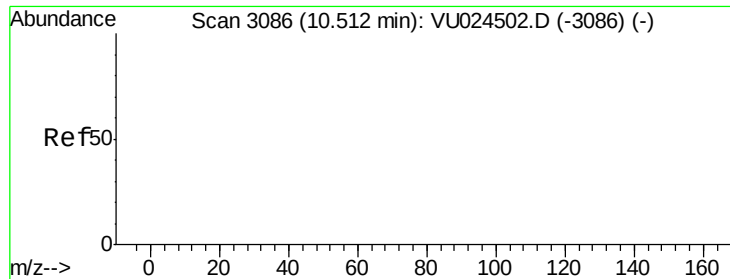
Tgt Ion: 105 Resp: 533763

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 41.04 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

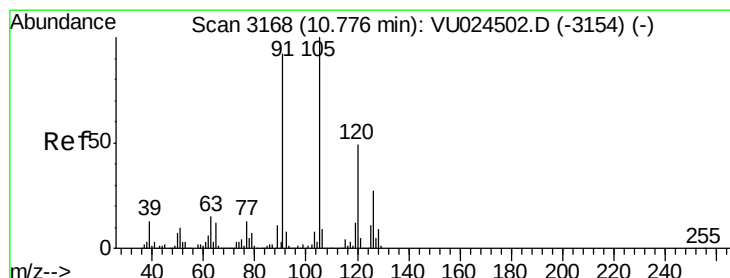
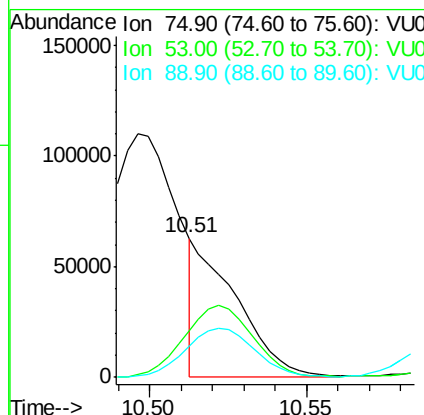
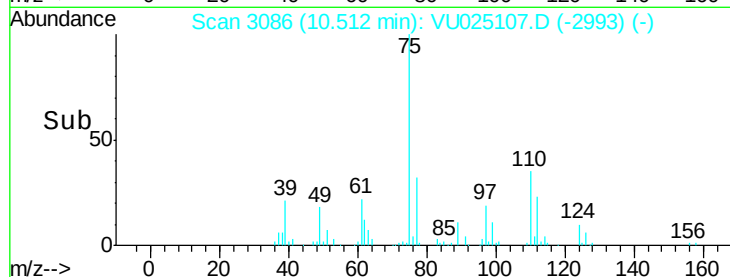
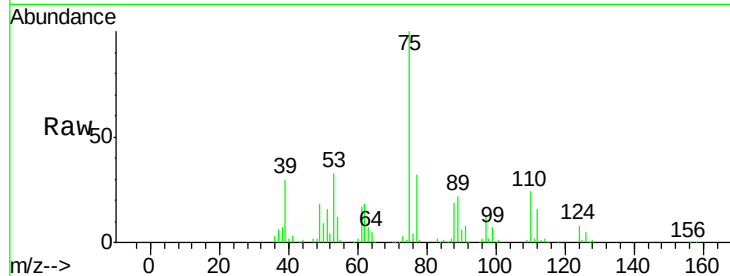
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59153
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#82

4-Chlorotoluene

Concen: 51.73 ug/l

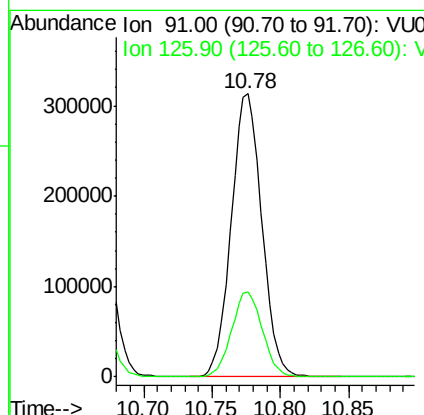
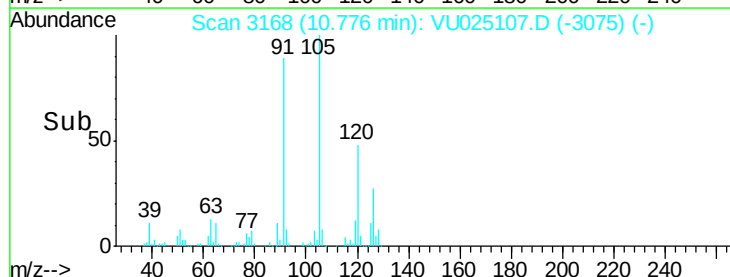
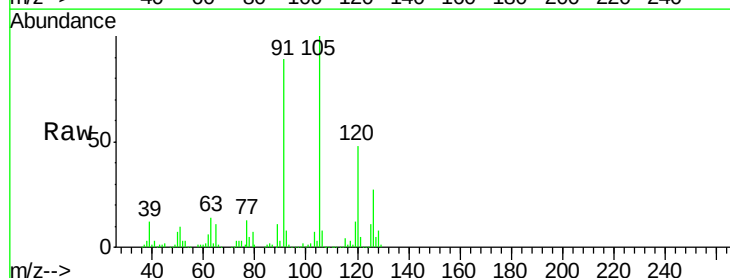
RT: 10.78 min Scan# 3168

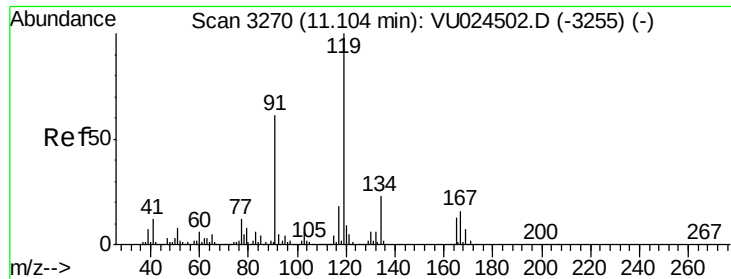
Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	91	Resp:	486601
Ion Ratio	Lower	Upper	
91	100		
126	30.0	14.9	44.9





#83

tert-Butylbenzene

Concen: 54.34 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

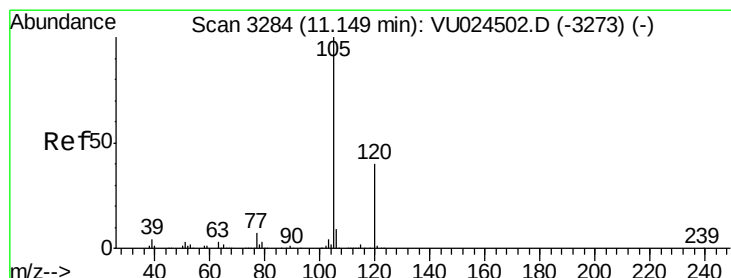
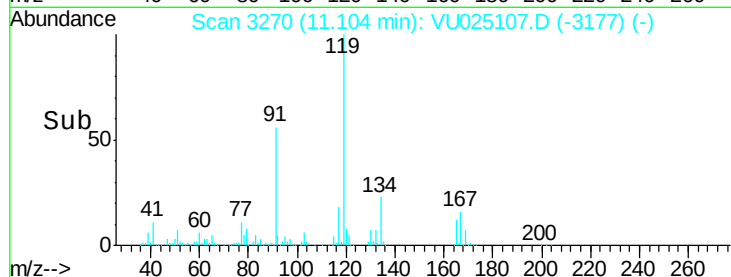
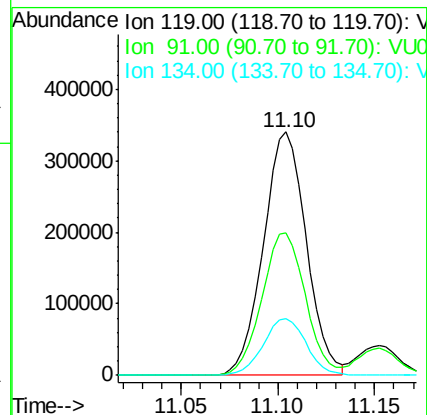
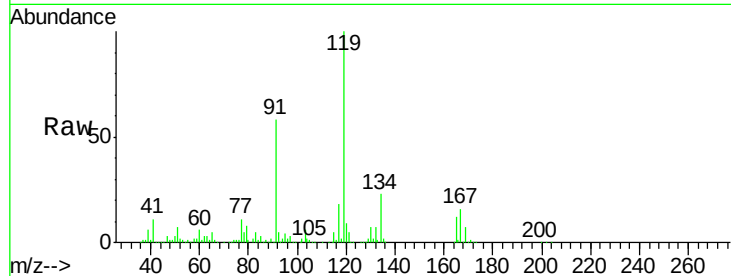
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	527019
Ion Ratio	Lower	Upper	
119	100		
91	59.5	29.7	89.1
134	23.3	11.6	34.7

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.41 ug/l

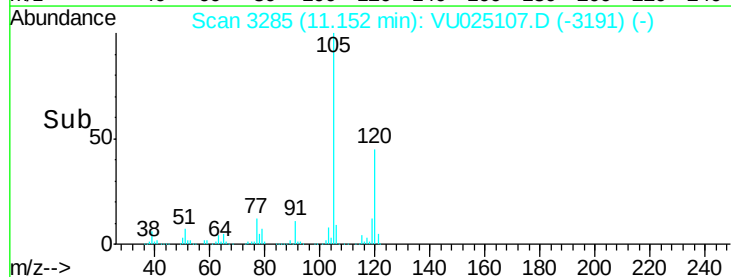
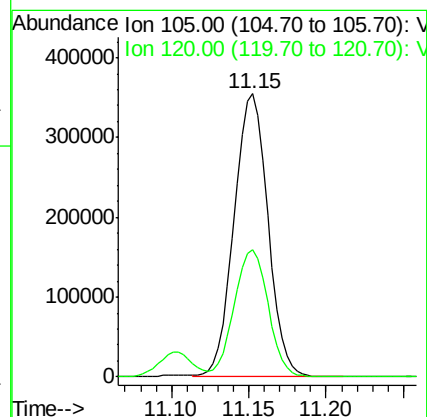
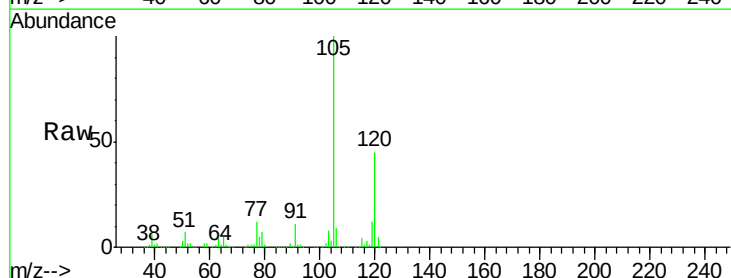
RT: 11.15 min Scan# 3285

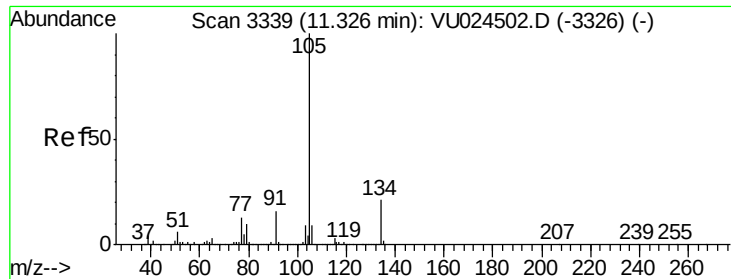
Delta R.T. 0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	105	Resp:	538516
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.6	67.8





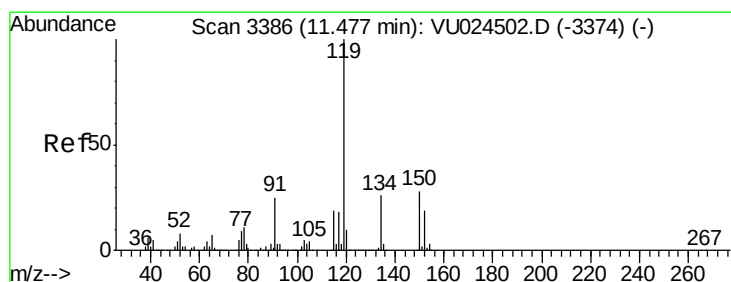
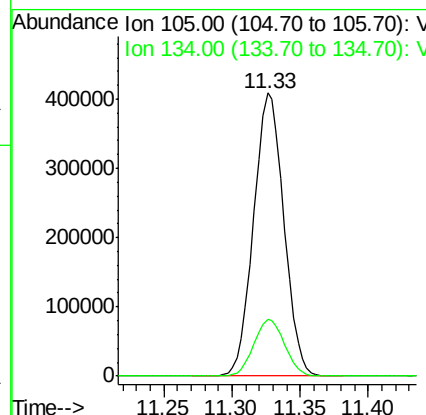
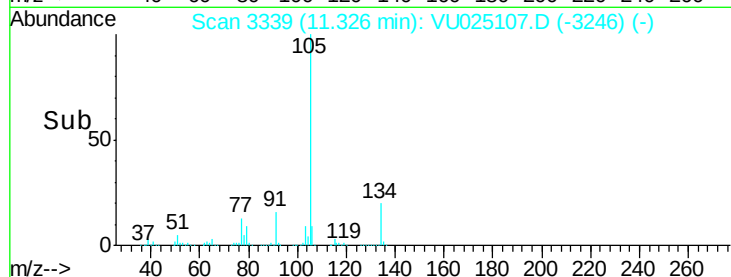
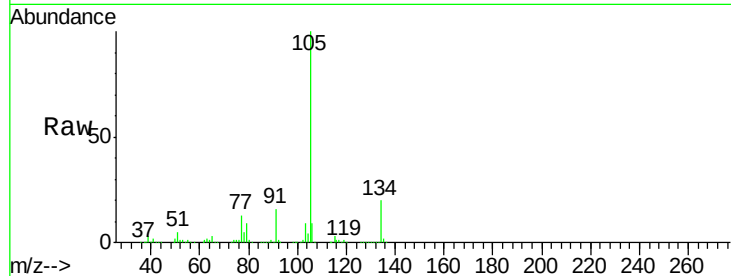
#85
 sec-Butylbenzene
 Concen: 51.87 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	9.7	29.1

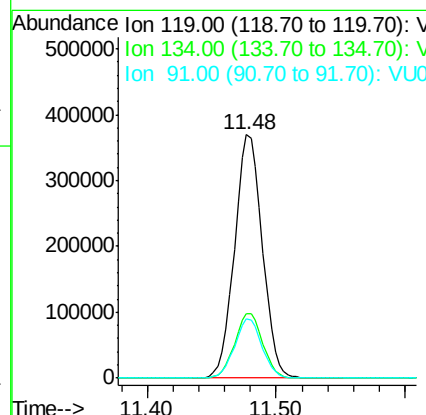
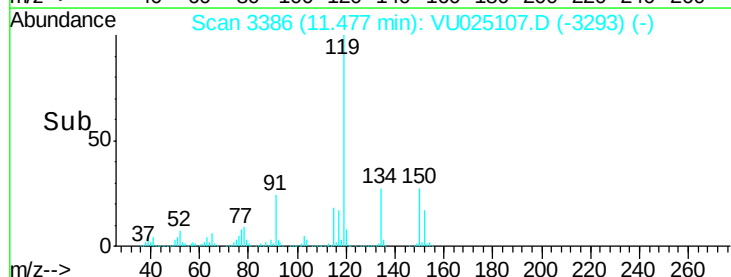
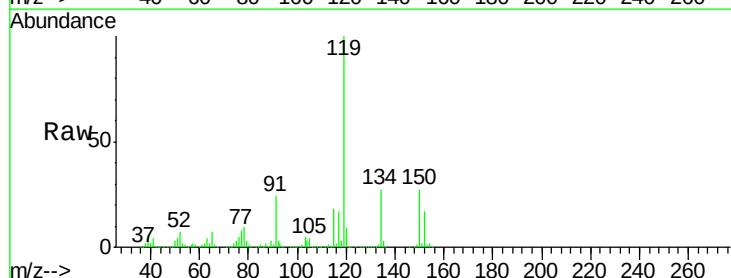
Manual Integrations
 APPROVED

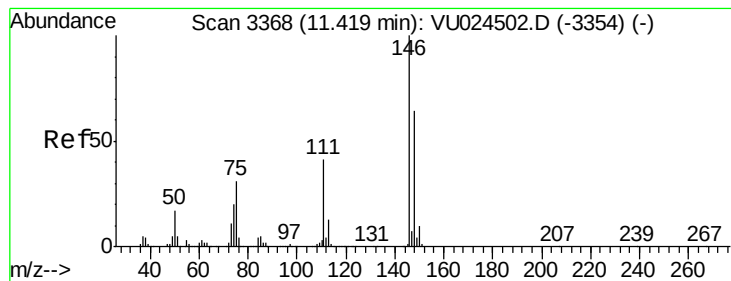
apatel
 7/2/2018 4:17:40 PM



#86
 p-Isopropyltoluene
 Concen: 50.59 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.6
91	24.2	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 52.83 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

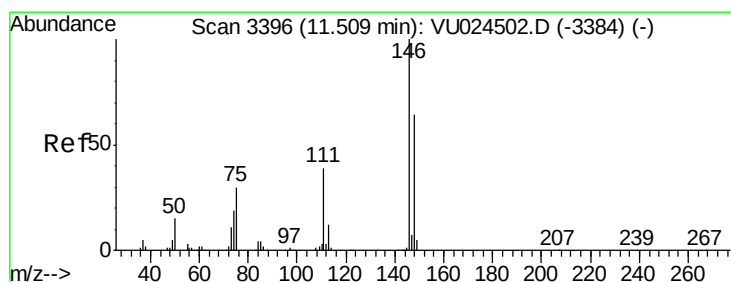
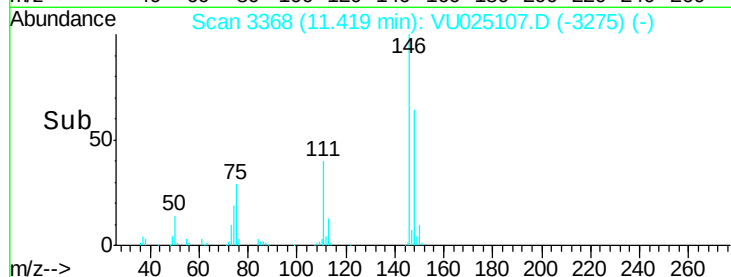
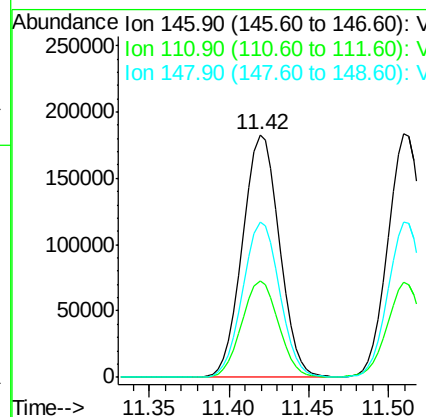
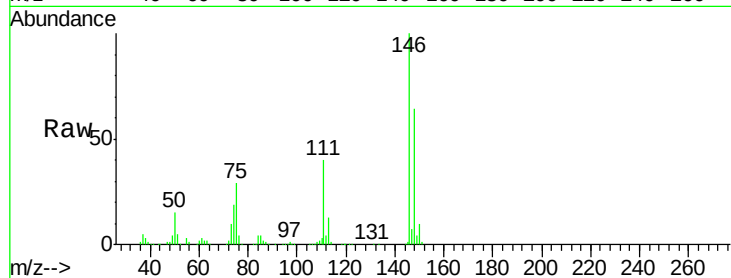
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	287435
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	60.0
148	63.9	32.1	96.5

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#88

1,4-Dichlorobenzene

Concen: 52.37 ug/l

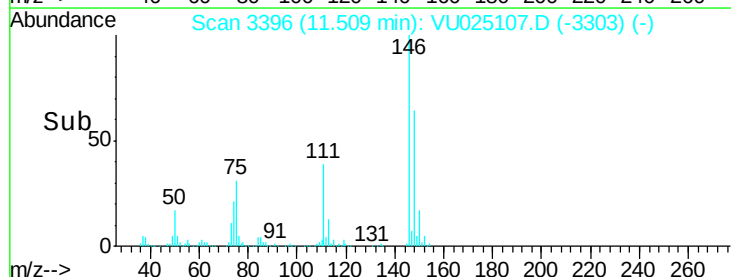
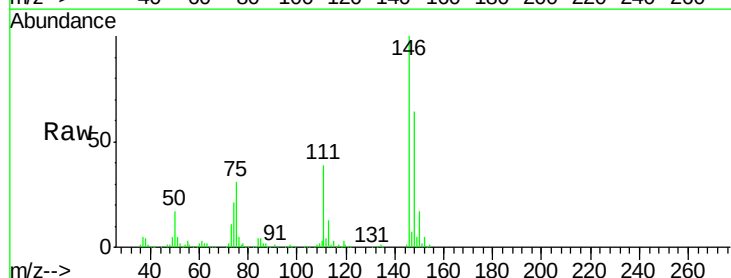
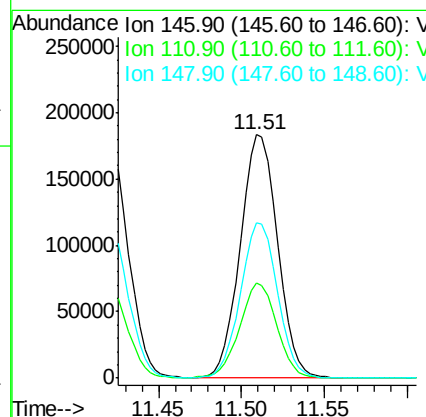
RT: 11.51 min Scan# 3396

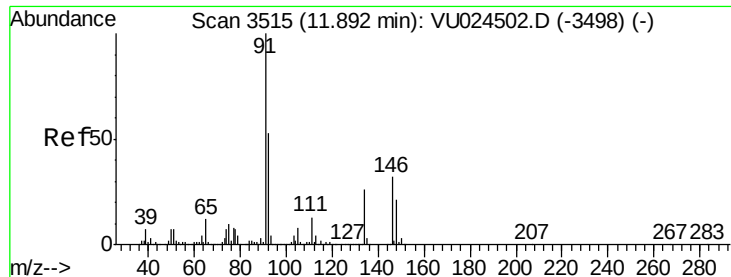
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	146	Resp:	286829
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.5	58.5
148	63.9	32.4	97.0





#89

n-Butylbenzene

Concen: 45.35 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Instrument :

MSVOA_U

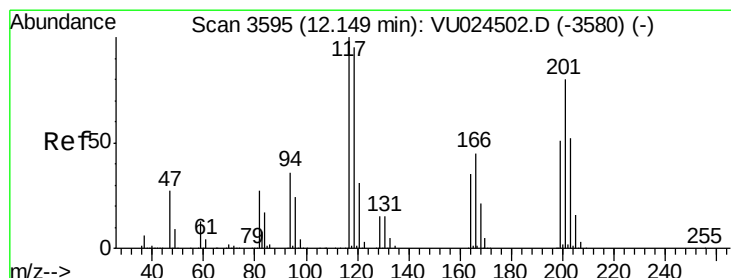
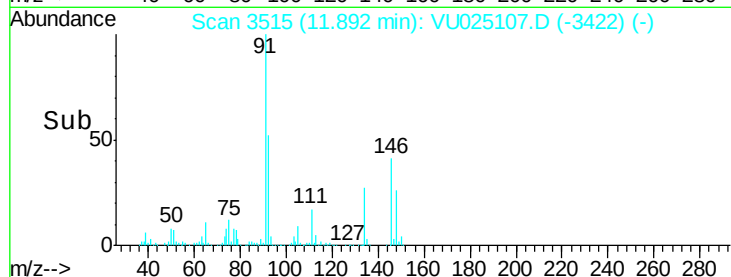
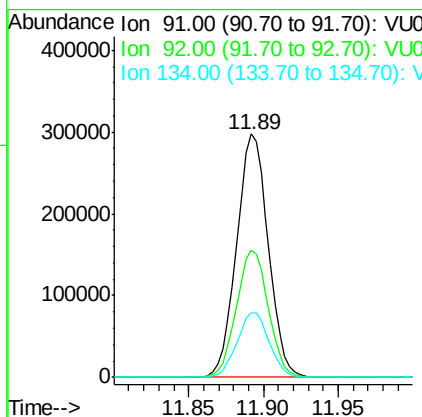
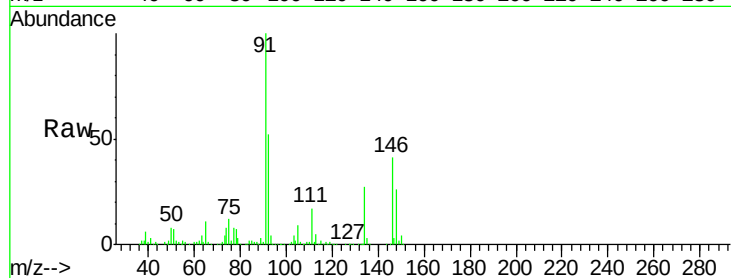
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	437831
Ion Ratio	Lower	Upper	
91	100		
92	52.8	25.6	76.8
134	27.0	12.3	36.8

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#90

Hexachloroethane

Concen: 46.30 ug/l

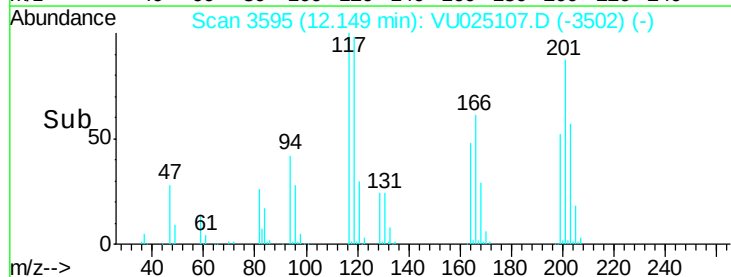
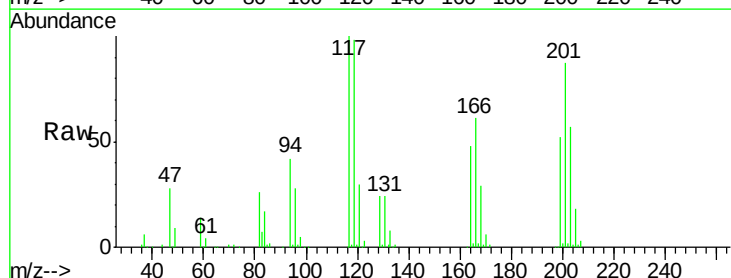
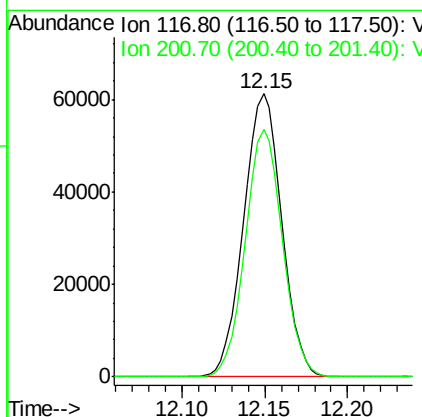
RT: 12.15 min Scan# 3595

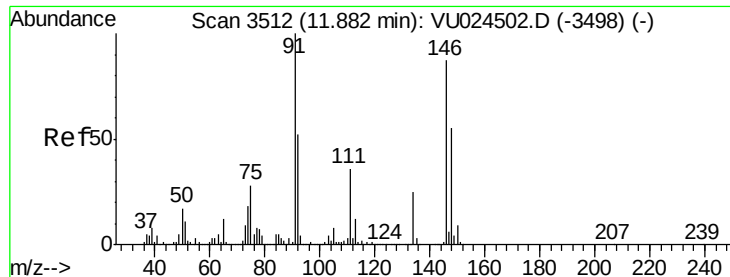
Delta R.T. -0.00 min

Lab File: VU025107.D

Acq: 30 Jun 2018 22:52

Tgt Ion:	117	Resp:	98210
Ion Ratio	Lower	Upper	
117	100		
201	85.4	41.1	123.3





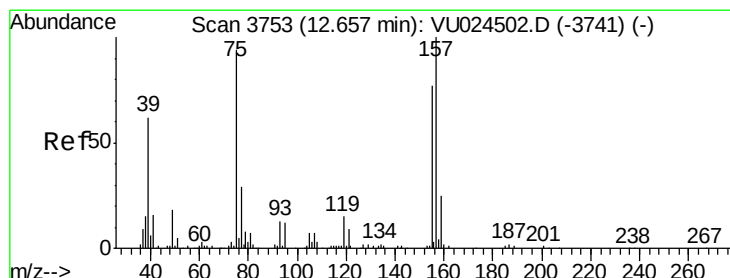
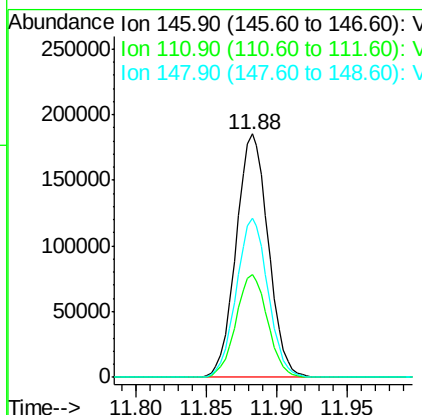
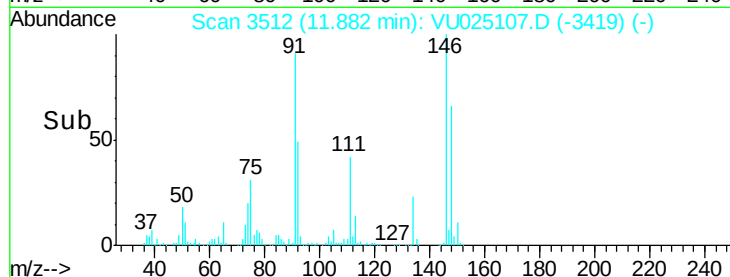
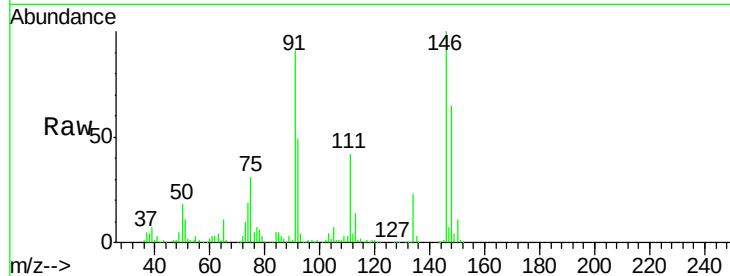
#91
 1,2-Dichlorobenzene
 Concen: 54.36 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296282		
111	41.6	20.5	61.6	
148	64.4	31.9	95.7	

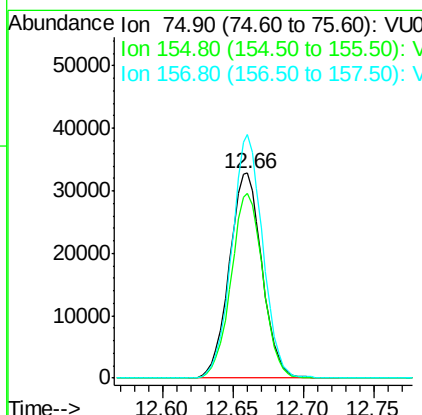
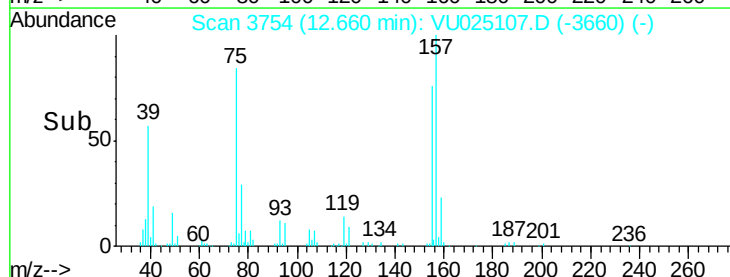
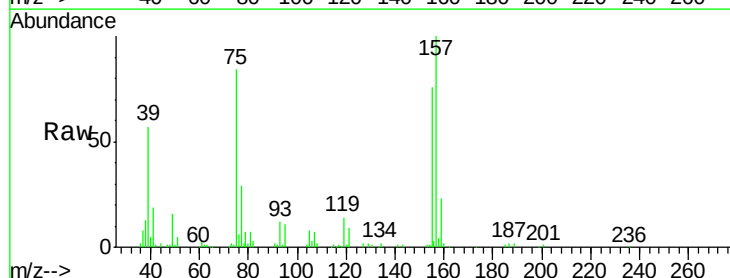
Manual Integrations
 APPROVED

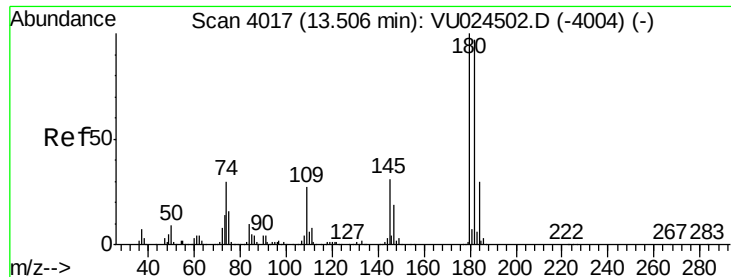
apatel
 7/2/2018 4:17:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.34 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53072		
155	87.9	40.4	121.2	
157	112.7	52.3	156.8	





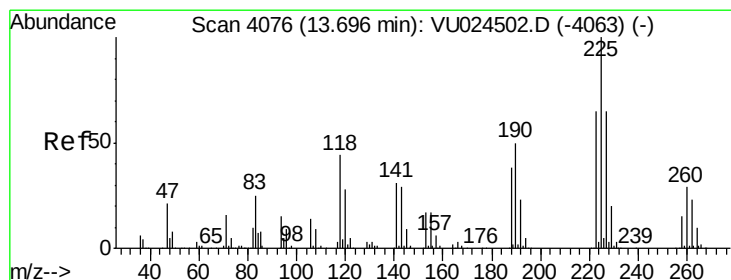
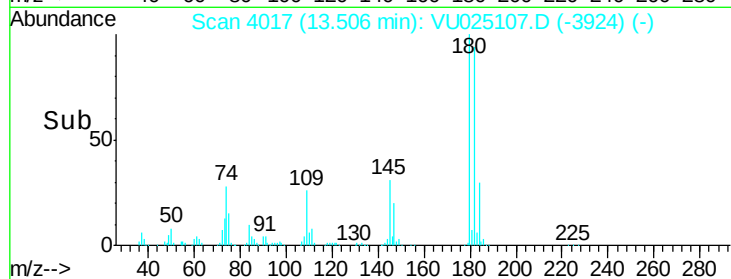
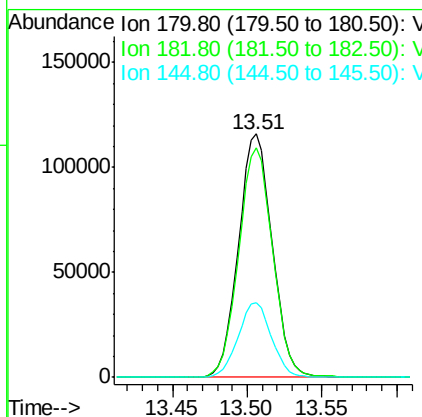
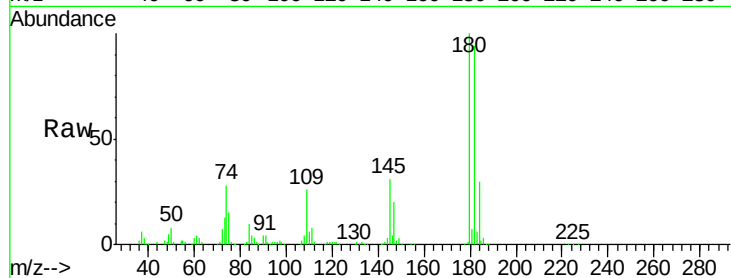
#93
 1,2,4-Trichlorobenzene
 Concen: 53.96 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	181610		
182	95.3	48.0	144.2	
145	30.4	14.7	44.1	

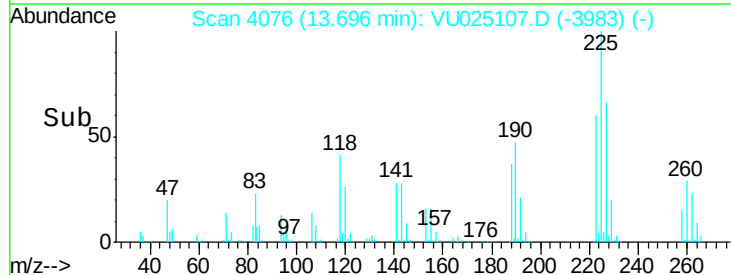
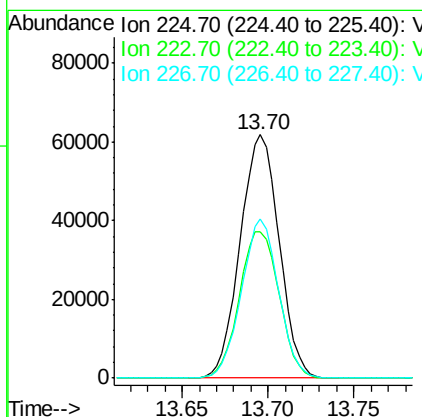
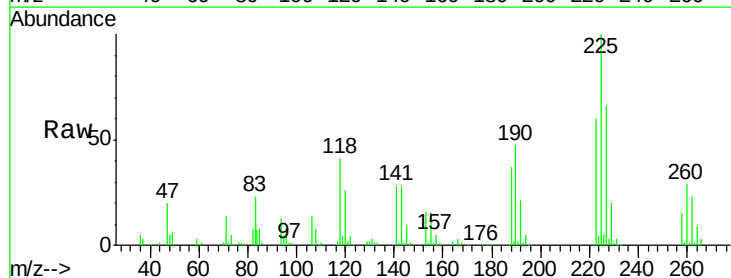
Manual Integrations
 APPROVED

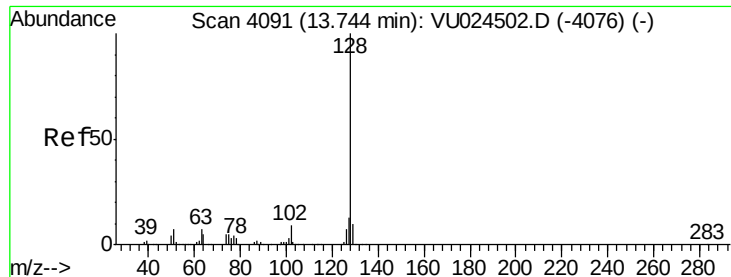
apatel
 7/2/2018 4:17:40 PM



#94
 Hexachlorobutadiene
 Concen: 51.25 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025107.D
 Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97080		
223	61.6	31.3	93.8	
227	62.4	31.8	95.4	





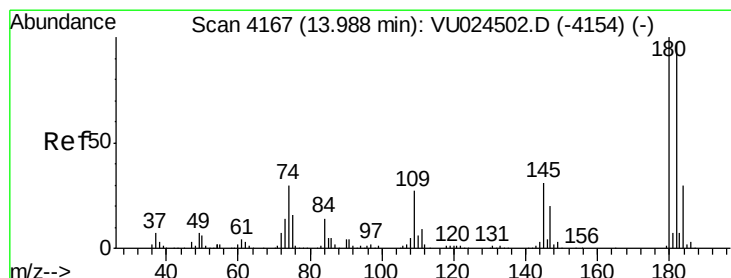
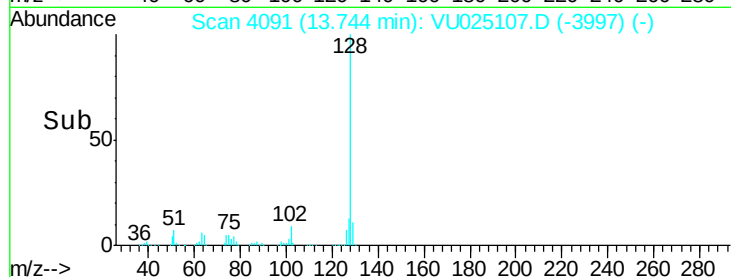
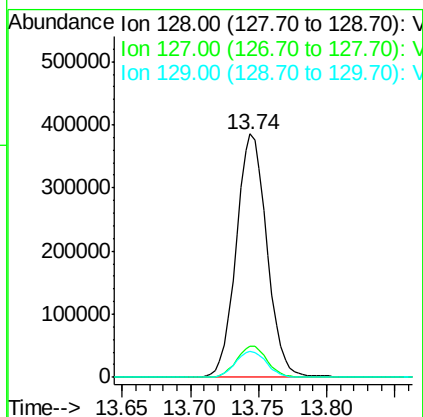
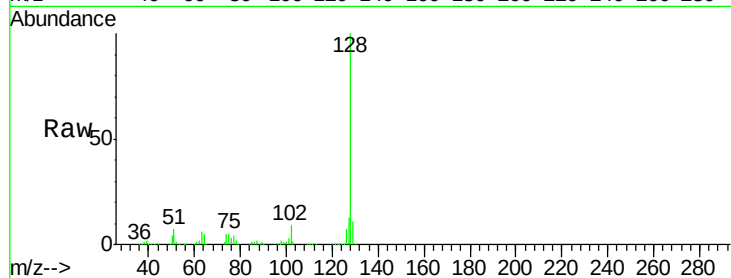
#95
Naphthalene
Concen: 53.87 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

apatel
7/2/2018 4:17:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.41 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025107.D
Acq: 30 Jun 2018 22:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	32.2	15.4	46.1

