

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024557.D
 Acq On : 14 Jun 2018 22:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM

Quant Time: Jun 15 05:20:31 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	170240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271901	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156411	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	126150	45.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.78%	
35) Dibromofluoromethane	4.89	113	112051	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
50) Toluene-d8	7.57	98	409225	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	10.31	95	160888	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	90109	42.287	ug/l	100
3) Chloromethane	1.33	50	100259	46.054	ug/l	100
4) Vinyl Chloride	1.40	62	108940	48.523	ug/l	100
5) Bromomethane	1.62	94	59220	54.565	ug/l	99
6) Chloroethane	1.70	64	66853	53.360	ug/l	99
7) Trichlorofluoromethane	1.89	101	162408	47.401	ug/l	98
8) Diethyl Ether	2.10	74	61231	52.612	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	92776	43.647	ug/l	97
10) Methyl Iodide	2.41	142	80007	45.060	ug/l	98
11) Tert butyl alcohol	2.82	59	133502	197.509	ug/l	99
12) 1,1-Dichloroethene	2.28	96	90537	46.706	ug/l	90
13) Acrolein	2.19	56	71267	200.782	ug/l	98
14) Allyl chloride	2.60	41	153732	42.713	ug/l	95
15) Acrylonitrile	2.94	53	316292	240.509	ug/l	97
16) Acetone	2.32	43	259216	173.590	ug/l	94
17) Carbon Disulfide	2.48	76	278268	44.832	ug/l	98
18) Methyl Acetate	2.62	43	152318	47.581	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	335731	46.076	ug/l	97
20) Methylene Chloride	2.71	84	105470	45.014	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	99920	46.801	ug/l	96
22) Diisopropyl ether	3.57	45	338118	47.390	ug/l	94
23) Vinyl Acetate	3.53	43	1502988	235.162	ug/l	99
24) 1,1-Dichloroethane	3.45	63	190255	46.354	ug/l	99
25) 2-Butanone	4.26	43	448320	223.513	ug/l	97
26) 2,2-Dichloropropane	4.23	77	143784	36.893	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	118631	48.332	ug/l	93
28) Bromochloromethane	4.55	49	90633	50.133	ug/l	89
29) Tetrahydrofuran	4.64	42	291221	234.455	ug/l	96
30) Chloroform	4.68	83	193482	46.573	ug/l	99
31) Cyclohexane	5.00	56	176386	48.327	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	172674	44.948	ug/l	95
36) 1,1-Dichloropropene	5.14	75	143493	44.911	ug/l	97
37) Ethyl Acetate	4.38	43	170222	48.881	ug/l	97
38) Carbon Tetrachloride	5.14	117	158396	45.082	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061418\
 Data File : VU024557.D
 Acq On : 14 Jun 2018 22:17
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM

Quant Time: Jun 15 05:20:31 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	174191	43.688	ug/l	96
40) Benzene	5.39	78	431507	47.397	ug/l	100
41) Methacrylonitrile	4.54	41	93761	49.937	ug/l	97
42) 1,2-Dichloroethane	5.41	62	153535	44.279	ug/l	97
43) Isopropyl Acetate	5.55	43	281032	46.687	ug/l	98
44) Trichloroethene	6.19	130	117951	45.523	ug/l	96
45) 1,2-Dichloropropane	6.44	63	116974	48.153	ug/l	99
46) Dibromomethane	6.56	93	80501	47.179	ug/l	95
47) Bromodichloromethane	6.76	83	156713	46.123	ug/l	99
48) Methyl methacrylate	6.63	41	135465	46.216	ug/l	98
49) 1,4-Dioxane	6.61	88	50319	877.839	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	905129	239.343	ug/l	99
52) Toluene	7.64	92	272153	46.464	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	175364	45.959	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	184537	45.387	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112149	47.103	ug/l	99
56) Ethyl methacrylate	8.02	69	188281	47.247	ug/l	98
57) 1,3-Dichloropropane	8.25	76	188895	47.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	394710	258.540	ug/l	96
59) 2-Hexanone	8.36	43	707909	229.289	ug/l	99
60) Dibromochloromethane	8.48	129	135624	45.680	ug/l	99
61) 1,2-Dibromoethane	8.59	107	125244	47.261	ug/l	98
64) Tetrachloroethene	8.23	164	108826	44.418	ug/l	97
65) Chlorobenzene	9.12	112	315040	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119040	47.585	ug/l	99
67) Ethyl Benzene	9.25	91	535781	46.415	ug/l	97
68) m/p-Xylenes	9.38	106	421285	95.042	ug/l	96
69) o-Xylene	9.78	106	207471	47.294	ug/l	94
70) Styrene	9.80	104	347153	48.155	ug/l	99
71) Bromoform	9.96	173	111908	47.064	ug/l	# 99
73) Isopropylbenzene	10.17	105	549779	45.782	ug/l	98
74) N-amyl acetate	10.01	43	268886	47.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	192870	47.929	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	158961m	46.161	ug/l	
77) Bromobenzene	10.45	156	141100	46.412	ug/l	97
78) n-propylbenzene	10.59	91	651215	46.035	ug/l	97
79) 2-Chlorotoluene	10.66	91	383992	46.031	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	474022	45.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	63683m	42.801	ug/l	
82) 4-Chlorotoluene	10.78	91	453081	46.664	ug/l	99
83) tert-Butylbenzene	11.10	119	468049	46.748	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	486042	45.822	ug/l	98
85) sec-Butylbenzene	11.33	105	579284	46.223	ug/l	98
86) p-Isopropyltoluene	11.48	119	512681	45.676	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	263127	46.848	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	265700	47.000	ug/l	99
89) n-Butylbenzene	11.89	91	474461	47.612	ug/l	97
90) Hexachloroethane	12.15	117	98807	45.126	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	263032	46.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49561	44.635	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
Data File : VU024557.D
Acq On : 14 Jun 2018 22:17
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM

Quant Time: Jun 15 05:20:31 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)
93) 1,2,4-Trichlorobenzene	13.51	180	184366	53.069	ug/l	100
94) Hexachlorobutadiene	13.70	225	88453	45.236	ug/l	100
95) Naphthalene	13.74	128	558735	48.601	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	186389	53.843	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 170240

Ion Ratio Lower Upper

168 100

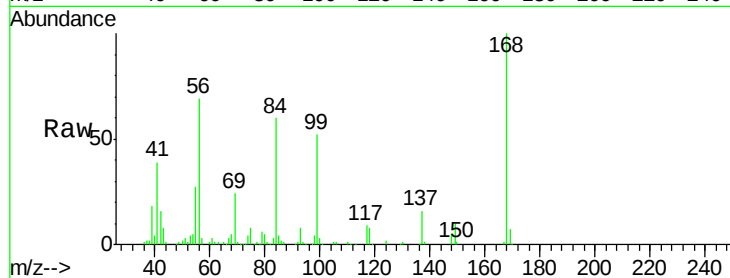
99 51.0 43.2 64.8

Manual Integrations

APPROVED

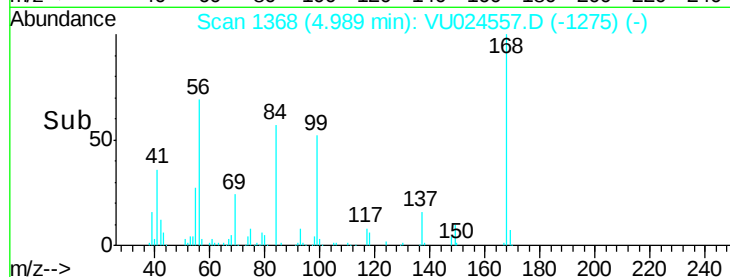
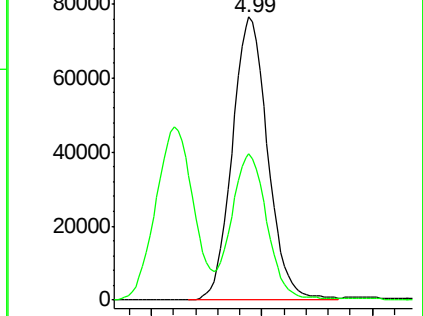
apatel

6/15/2018 3:29:46 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 42.287 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024557.D

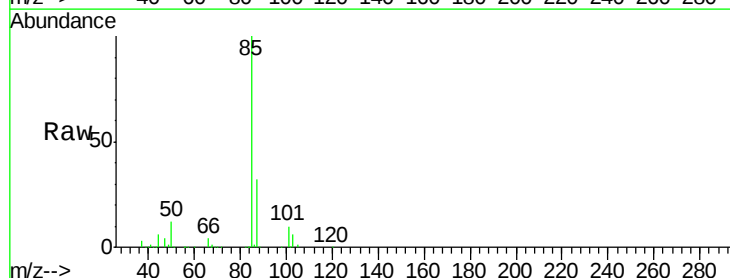
Acq: 14 Jun 2018 22:17

Tgt Ion: 85 Resp: 90109

Ion Ratio Lower Upper

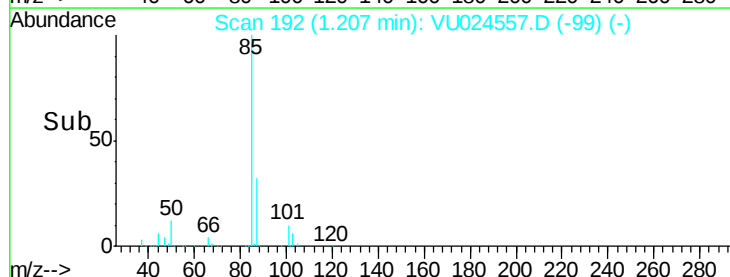
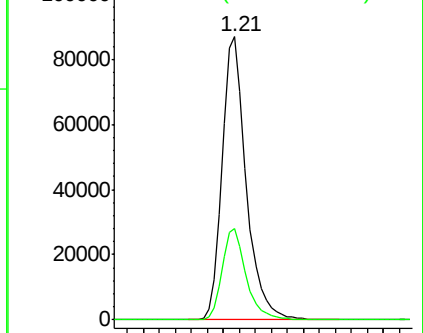
85 100

87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 46.054 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 100259

Ion Ratio Lower Upper

50 100

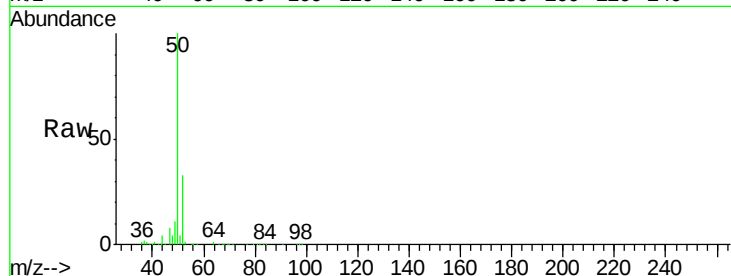
52 33.1 26.4 39.6

Manual Integrations

APPROVED

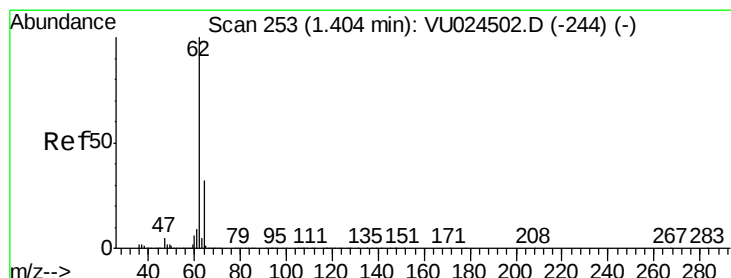
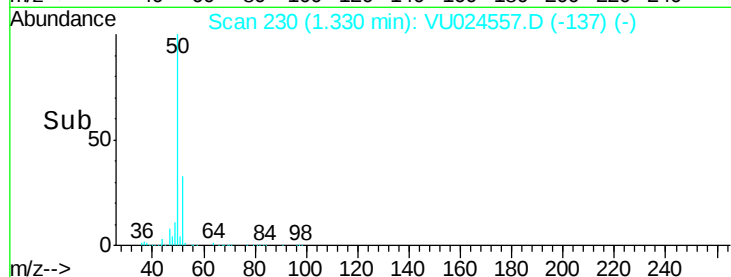
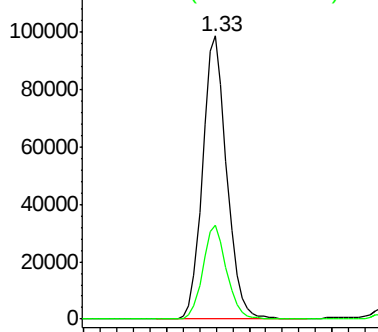
apatel

6/15/2018 3:29:46 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.523 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024557.D

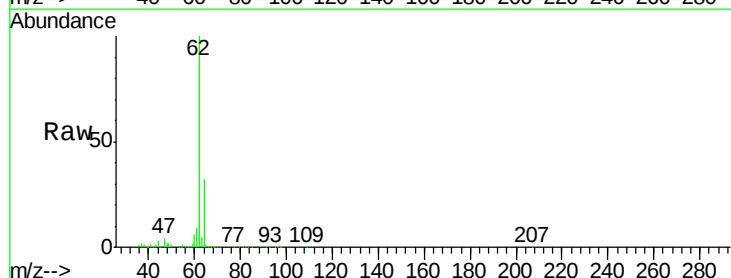
Acq: 14 Jun 2018 22:17

Tgt Ion: 62 Resp: 108940

Ion Ratio Lower Upper

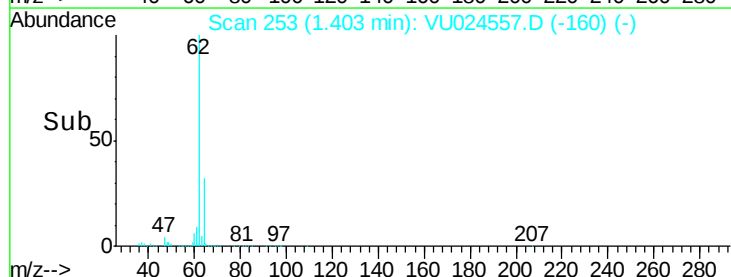
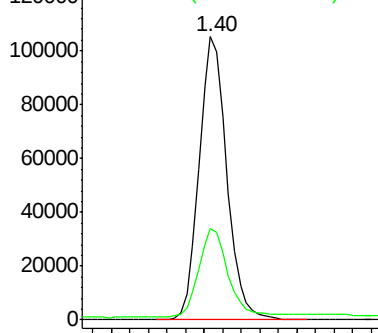
62 100

64 31.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 54.565 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 59220

Ion Ratio Lower Upper

94 100

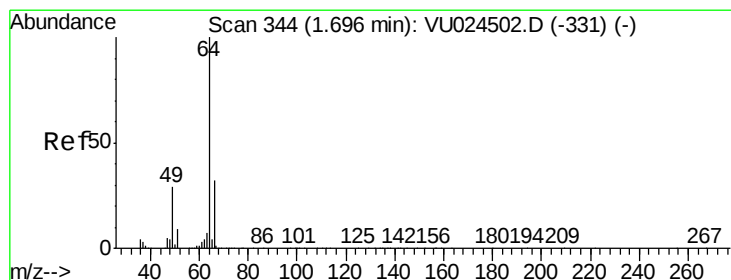
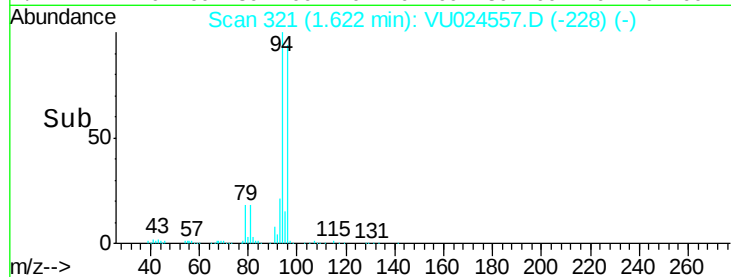
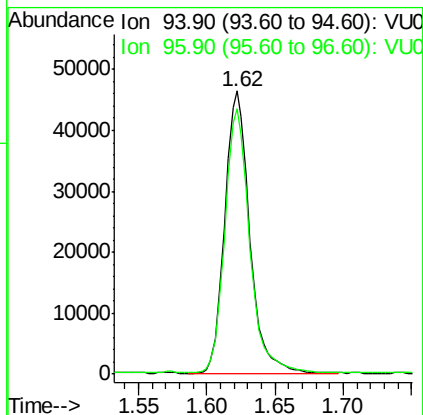
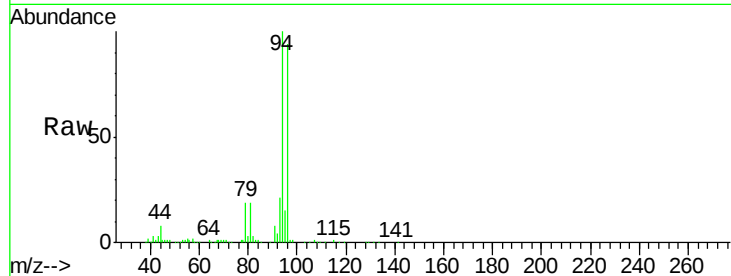
96 93.7 74.5 111.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



#6

Chloroethane

Concen: 53.360 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024557.D

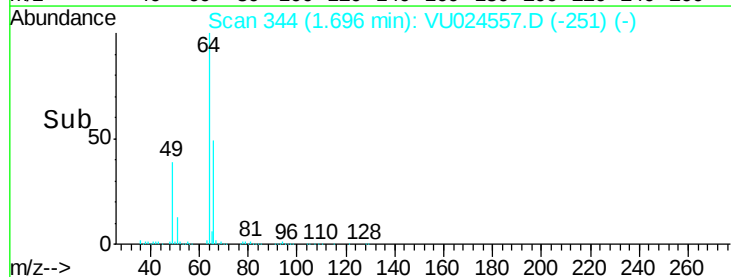
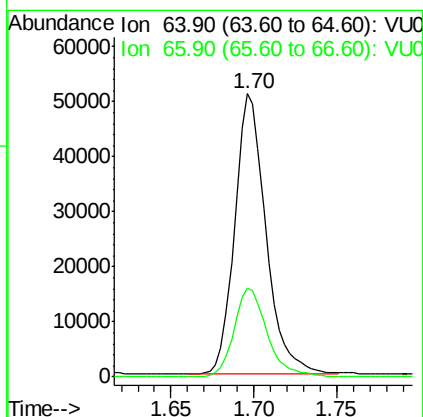
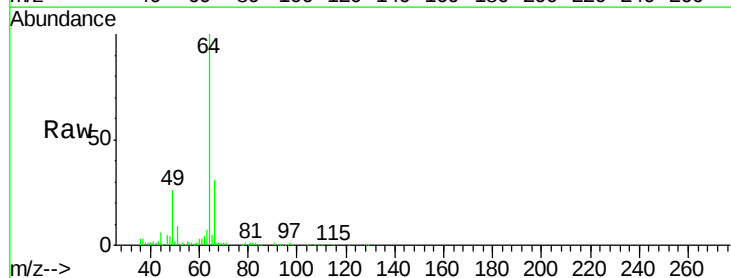
Acq: 14 Jun 2018 22:17

Tgt Ion: 64 Resp: 66853

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

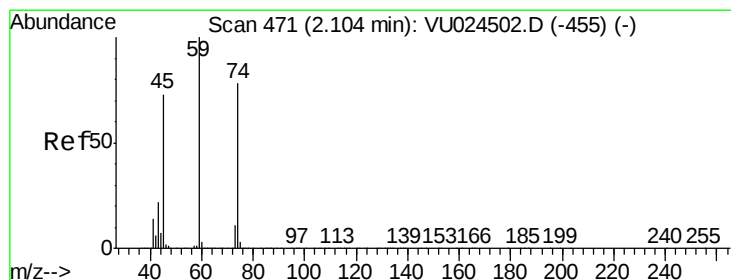
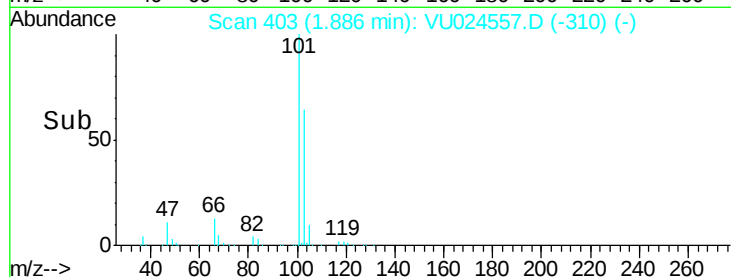
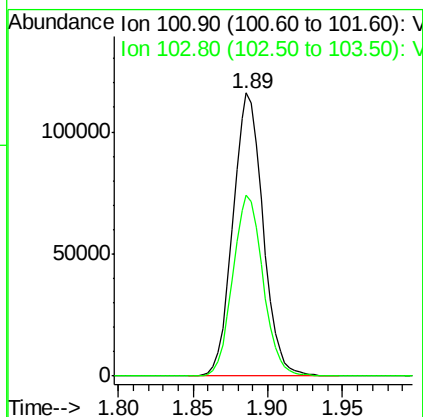
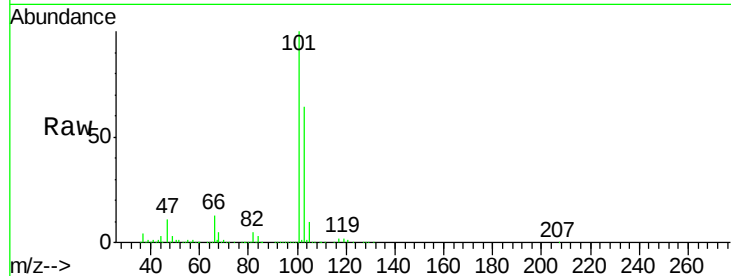
Trichlorofluoromethane
Concen: 47.401 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.3	78.5

Manual Integrations
APPROVED

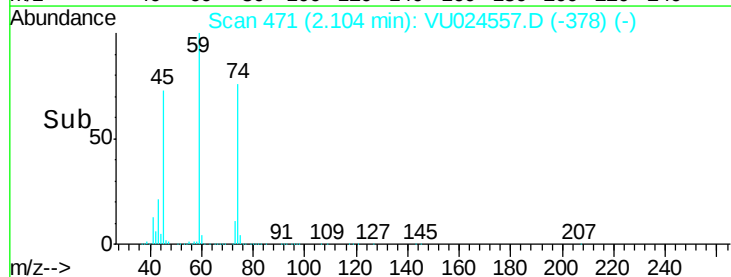
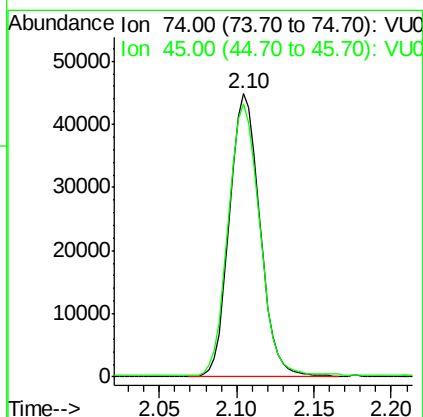
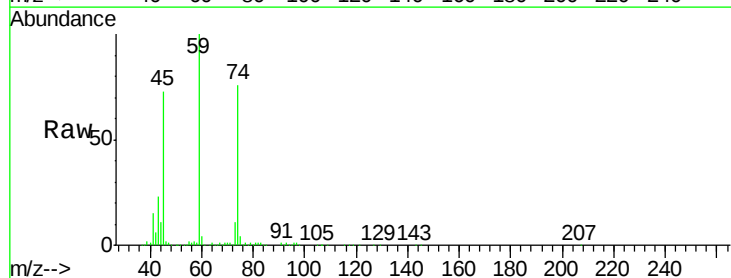
apatel
6/15/2018 3:29:46 PM



#8

Diethyl Ether
Concen: 52.612 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.647 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

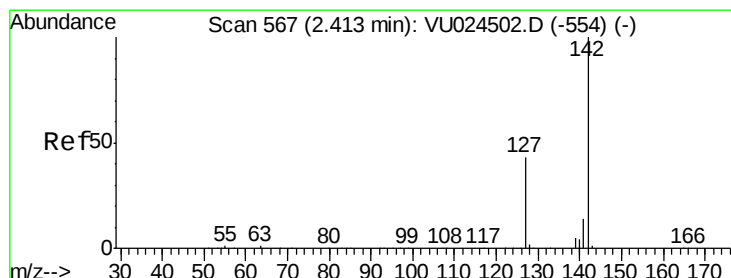
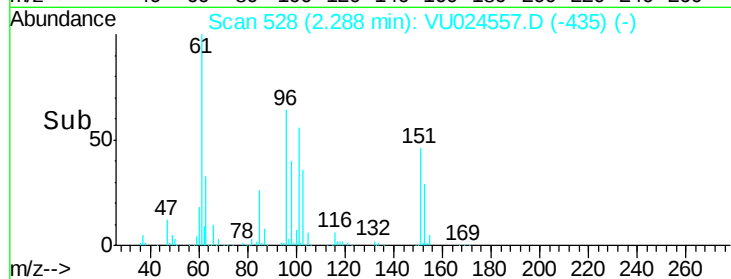
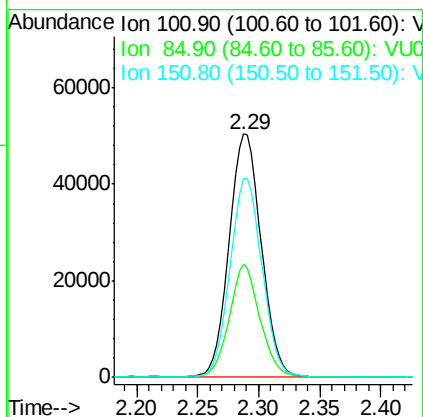
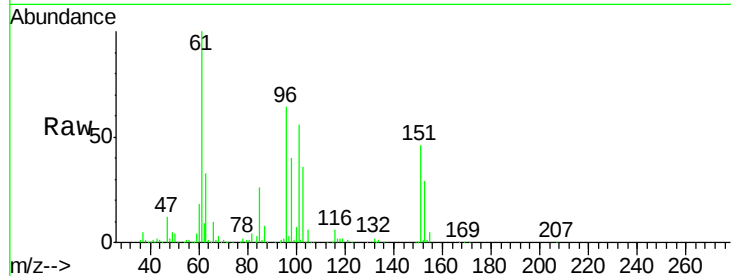
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92776
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.0	54.0
151	81.4	62.3	93.5

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#10

Methyl Iodide

Concen: 45.060 ug/l

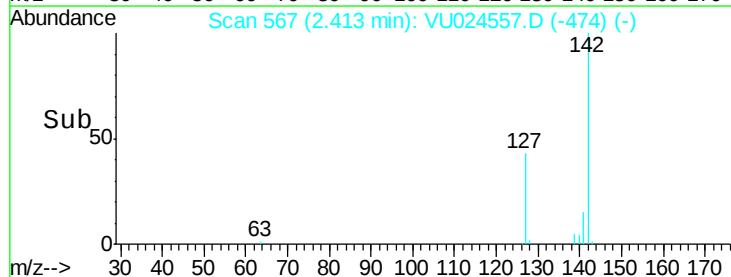
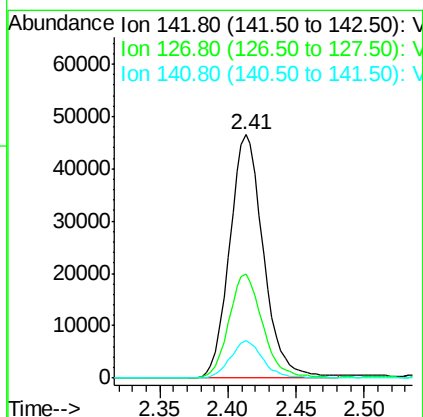
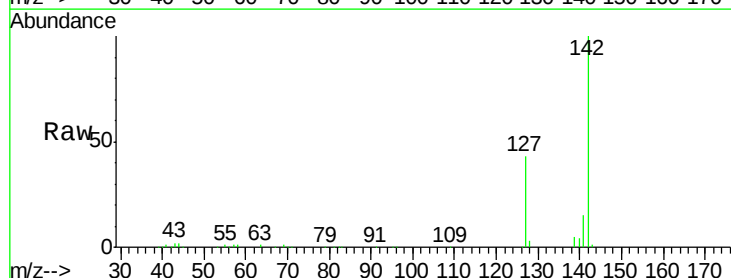
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	142	Resp:	80007
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.6	53.4
141	14.8	11.7	17.5





#11

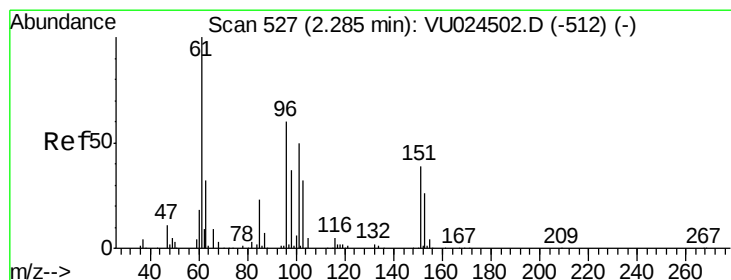
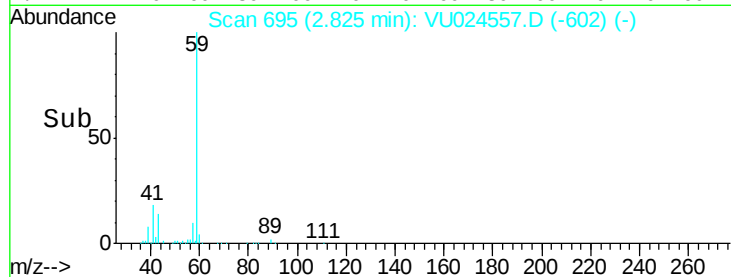
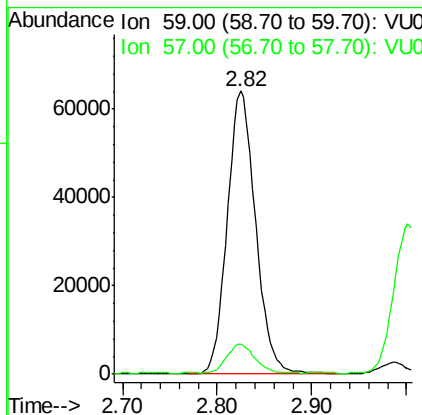
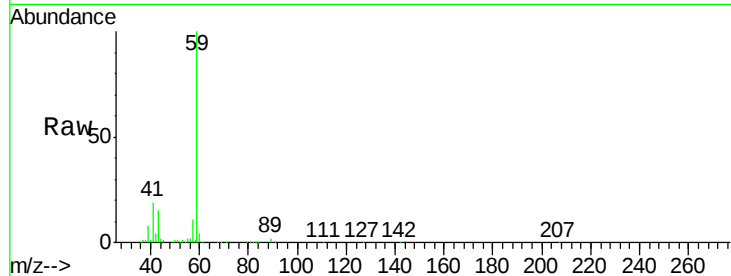
Tert butyl alcohol
Concen: 197.509 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
APPROVED

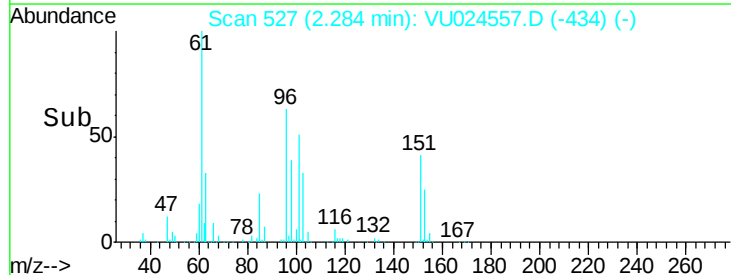
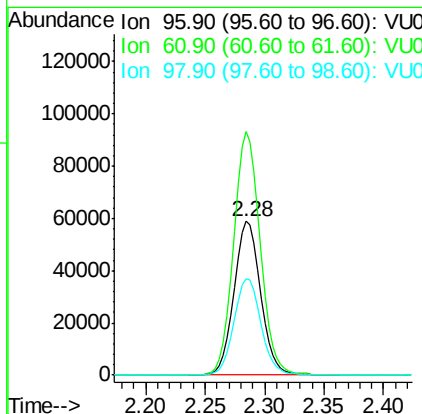
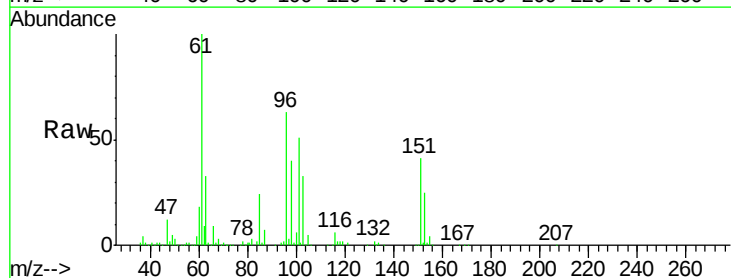
apatel
6/15/2018 3:29:46 PM



#12

1,1-Dichloroethene
Concen: 46.706 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	141.7	212.5
98	62.7	51.6	77.4





#13

Acrolein

Concen: 200.782 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 71267

Ion Ratio Lower Upper

56 100

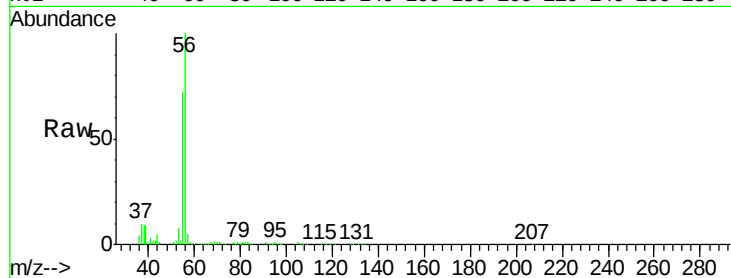
55 74.5 58.4 87.6

Manual Integrations

APPROVED

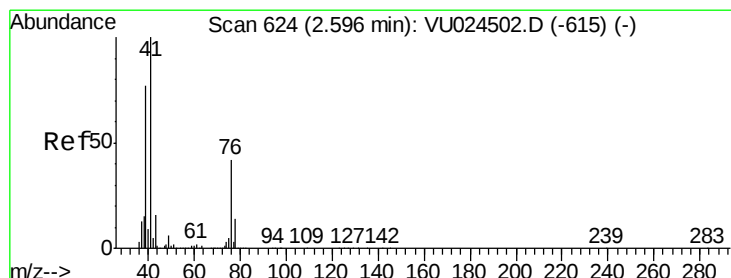
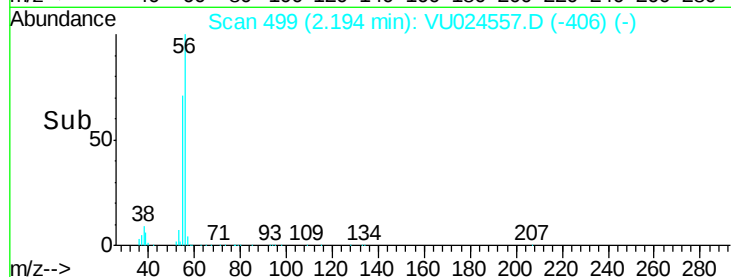
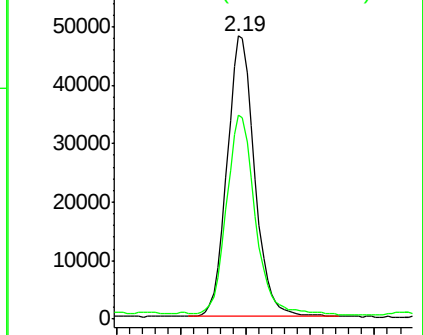
apatel

6/15/2018 3:29:46 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.713 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

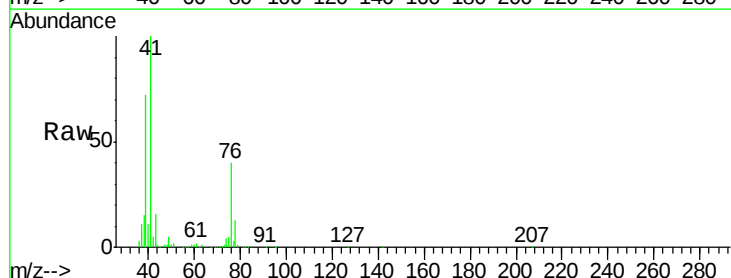
Tgt Ion: 41 Resp: 153732

Ion Ratio Lower Upper

41 100

39 71.8 61.6 92.4

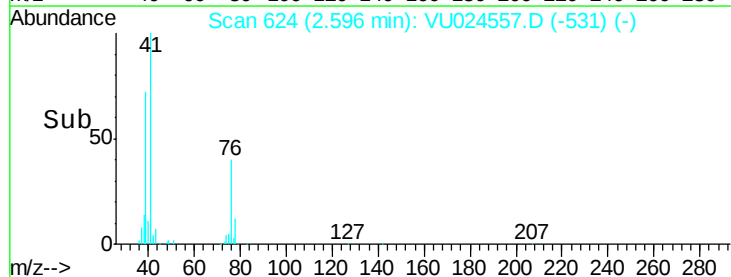
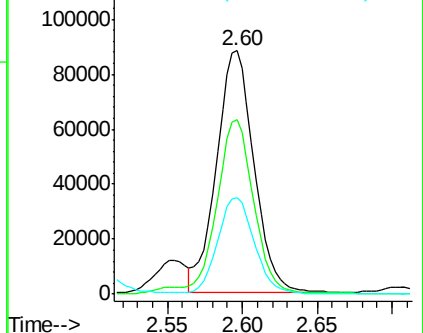
76 39.0 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 240.509 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

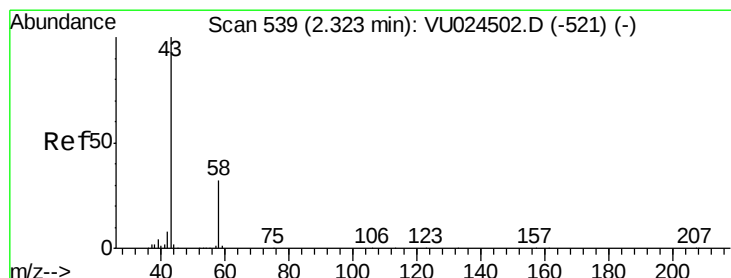
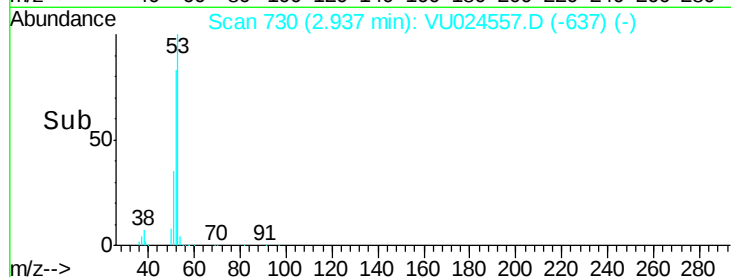
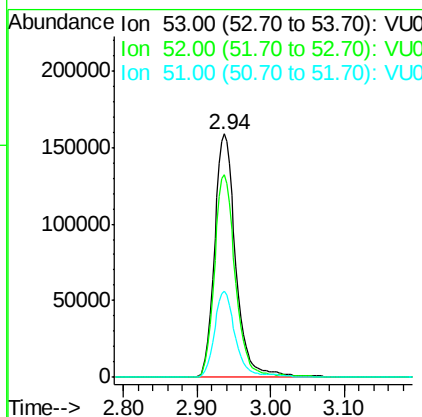
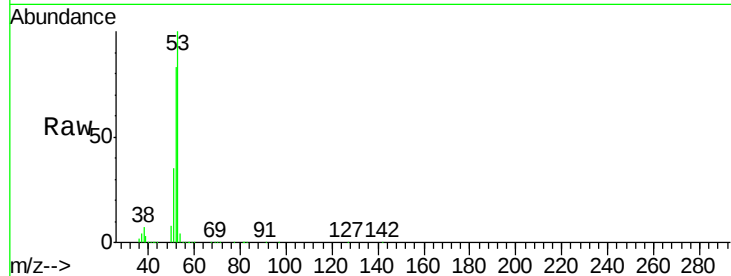
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	316292
Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.1	100.7
51	34.1	28.4	42.6

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#16

Acetone

Concen: 173.590 ug/l

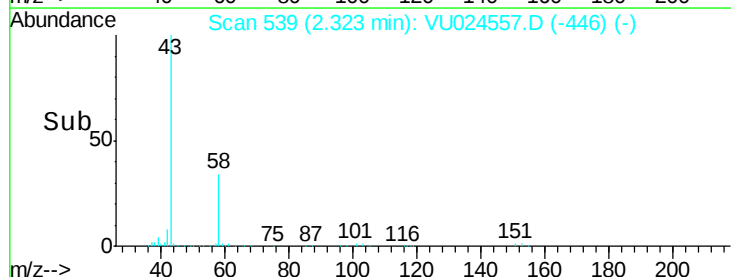
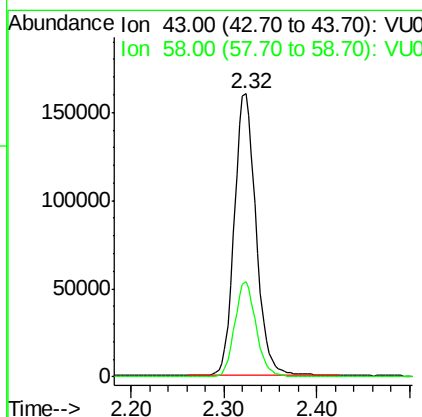
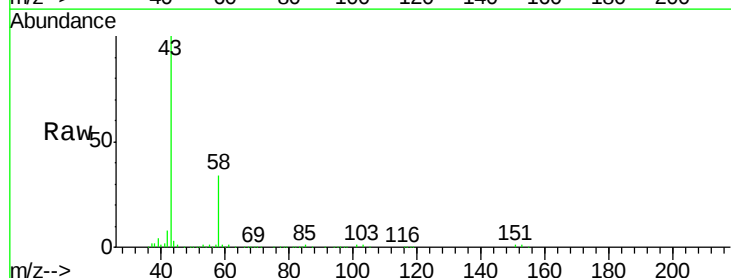
RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	43	Resp:	259216
Ion	Ratio	Lower	Upper
43	100		
58	33.8	24.4	36.6





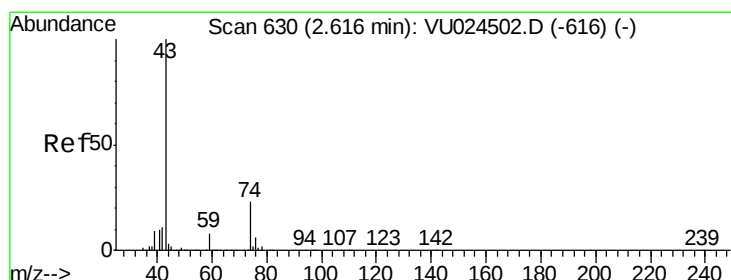
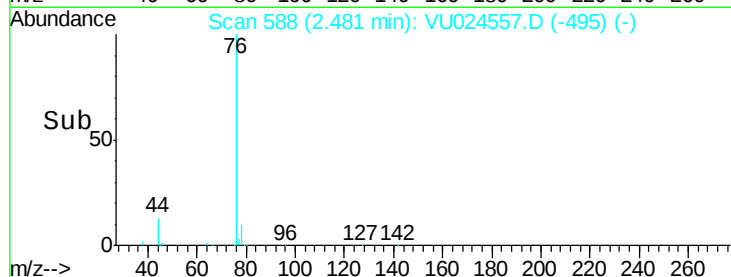
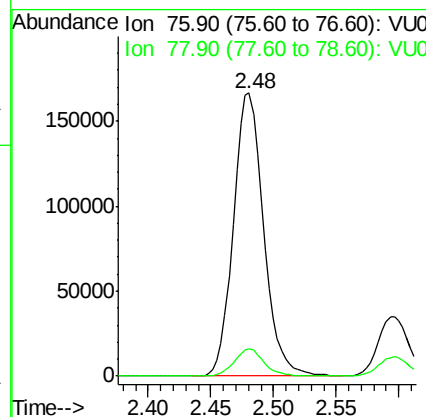
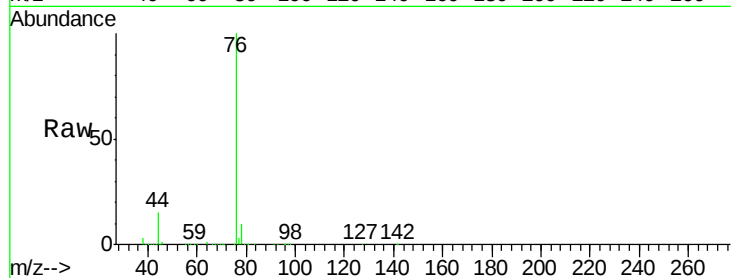
#17
Carbon Disulfide
Concen: 44.832 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

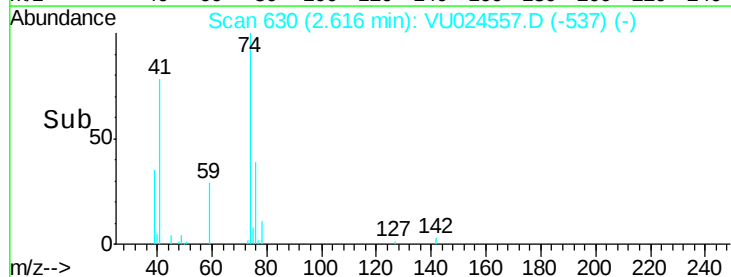
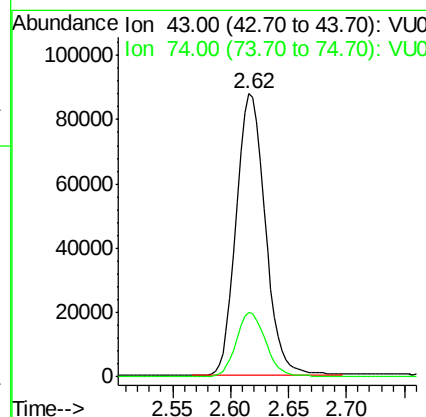
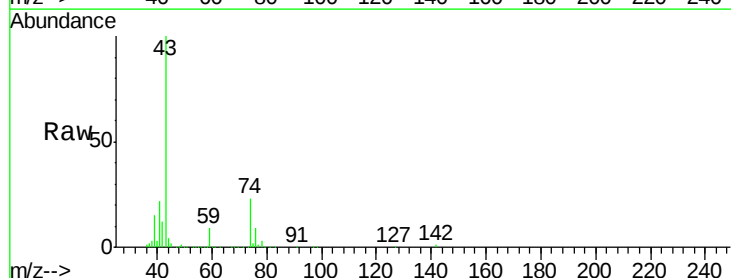
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#18
Methyl Acetate
Concen: 47.581 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.0	27.0





#19

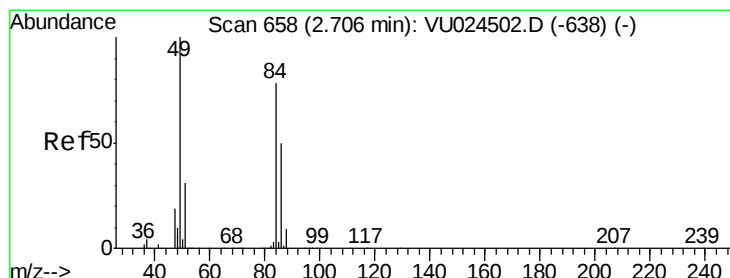
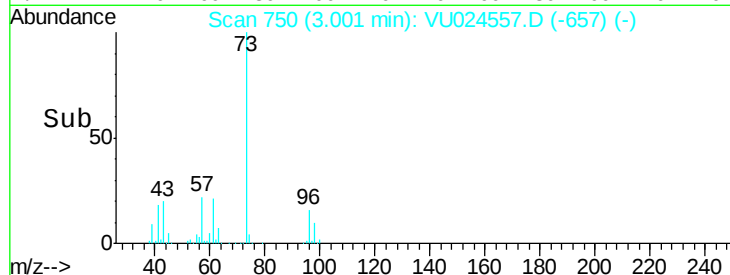
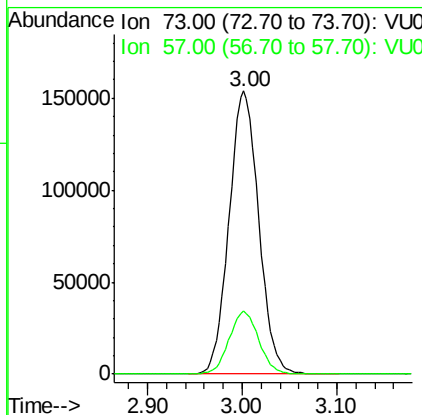
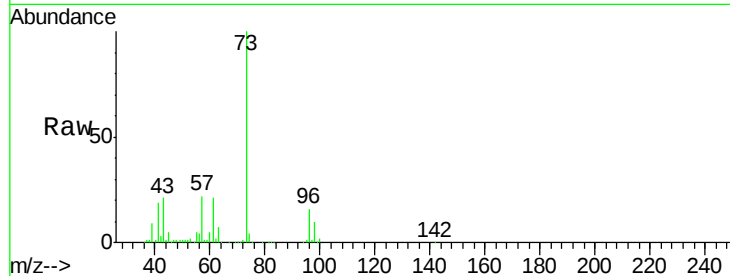
Methyl tert-butyl Ether
 Concen: 46.076 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.8	28.2

Manual Integrations
 APPROVED

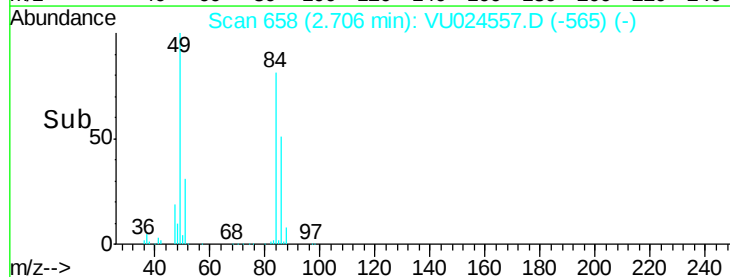
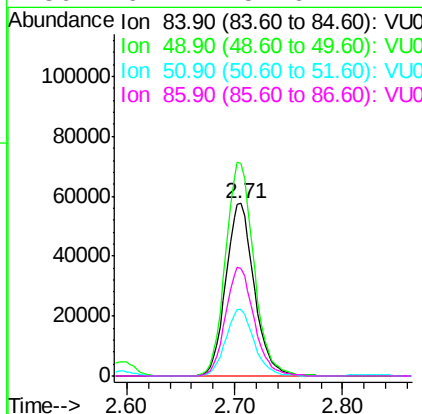
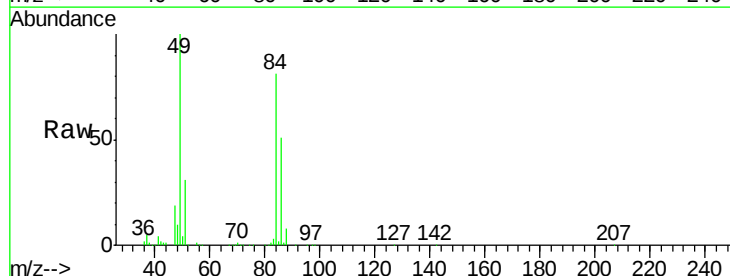
apatel
 6/15/2018 3:29:46 PM

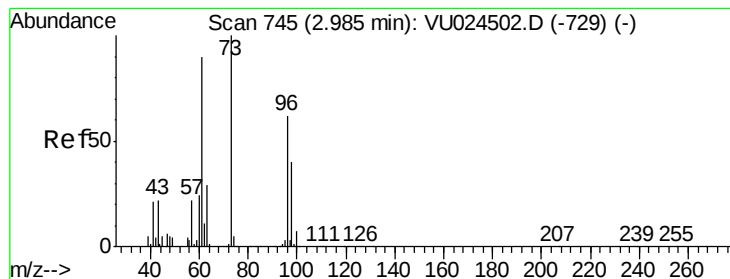


#20

Methylene Chloride
 Concen: 45.014 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	103.8	155.8
51	38.4	32.0	48.0
86	62.7	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 46.801 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

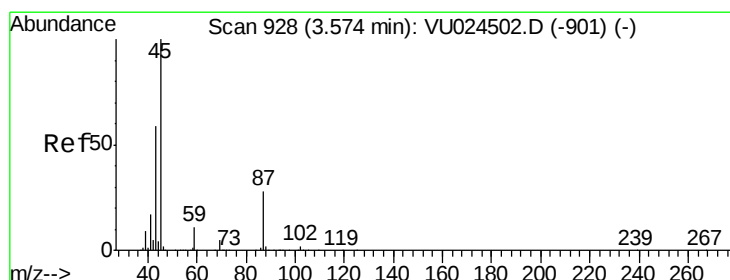
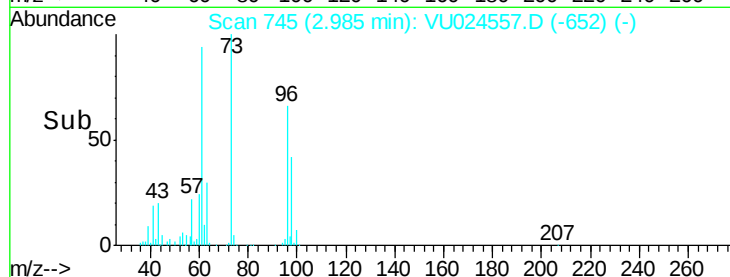
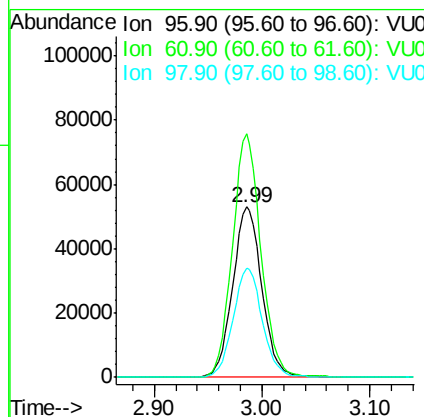
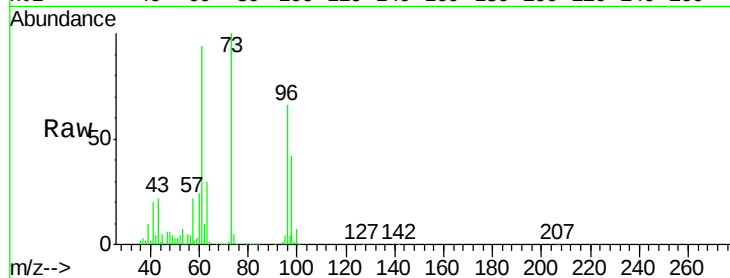
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99920
Ion	Ratio	Lower	Upper
96	100		
61	142.9	119.4	179.0
98	64.0	51.1	76.7

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#22

Diisopropyl ether

Concen: 47.390 ug/l

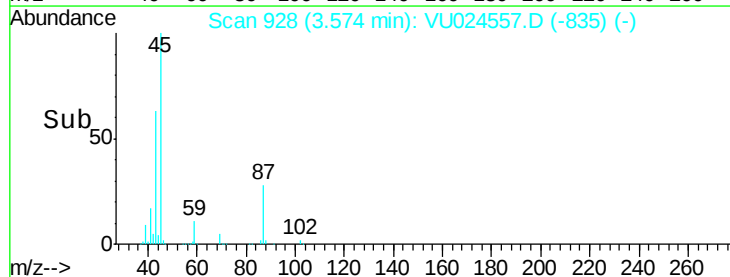
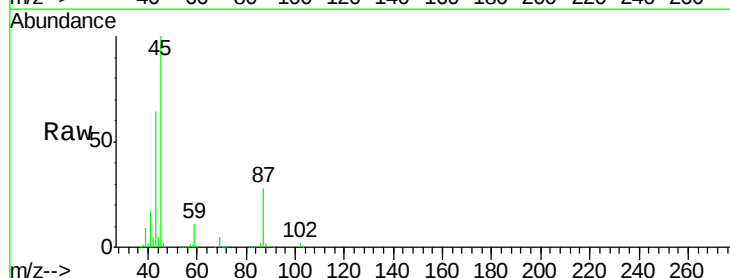
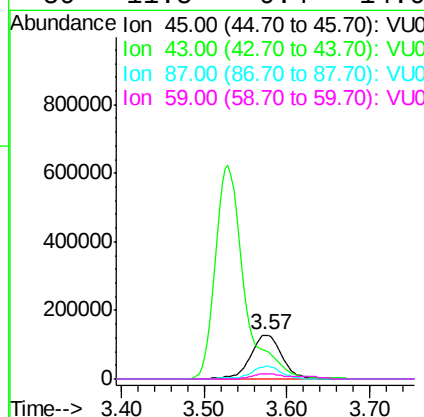
RT: 3.57 min Scan# 928

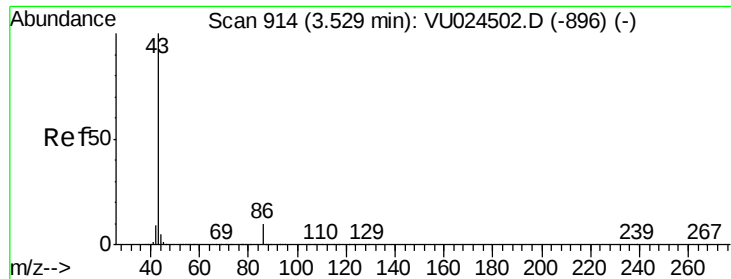
Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	45	Resp:	338118
Ion	Ratio	Lower	Upper
45	100		
43	62.6	45.8	68.6
87	27.9	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 235.162 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1502988

Ion Ratio Lower Upper

43 100

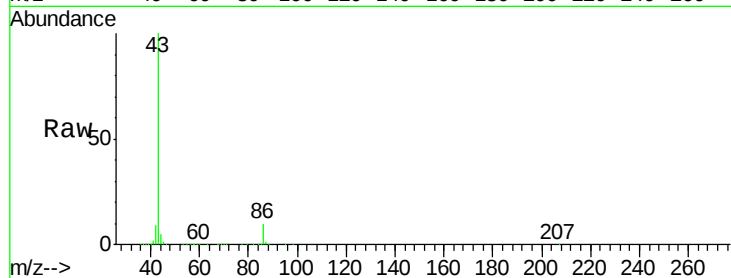
86 10.2 7.8 11.8

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

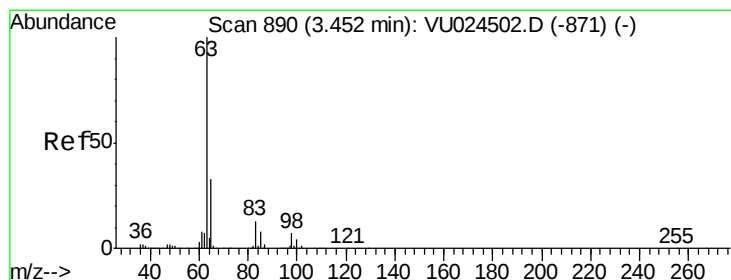
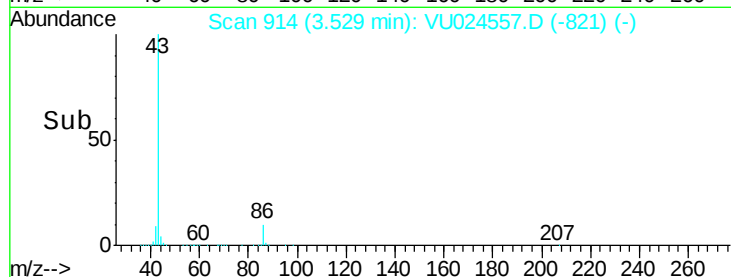
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 46.354 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

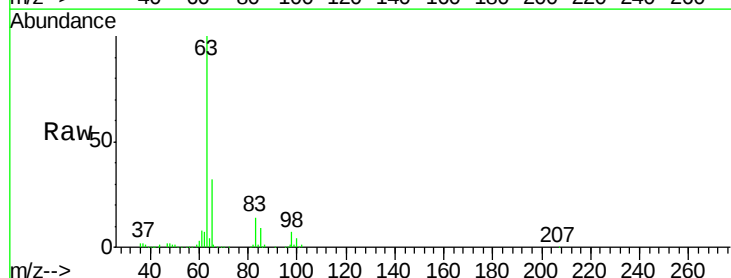
Tgt Ion: 63 Resp: 190255

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

100000

80000

60000

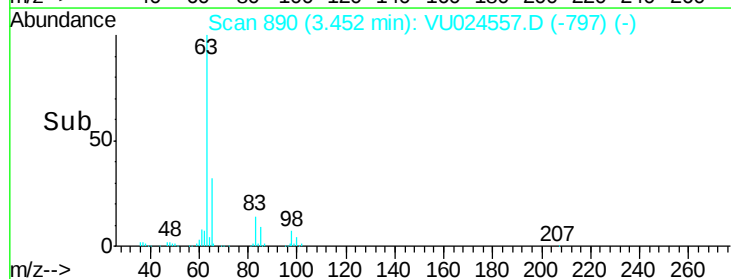
40000

20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 223.513 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tot Ion: 43 Resp: 448320

Ion Ratio Lower Upper

43 100

72 26.1 19.6 29.4

Instrument :

MSVOA_U

ClientSampleId :

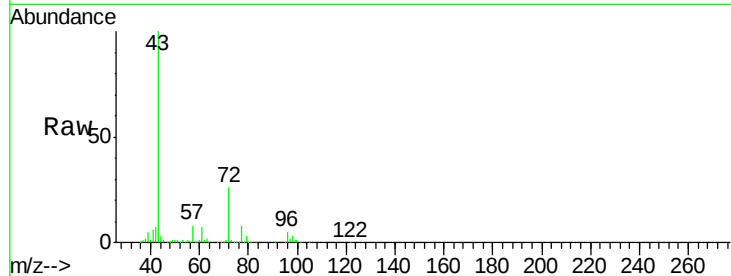
VSTDCCC050

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

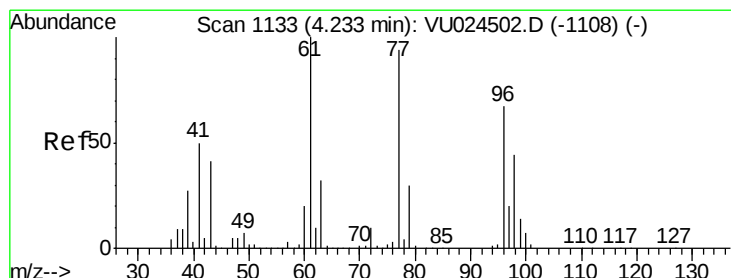
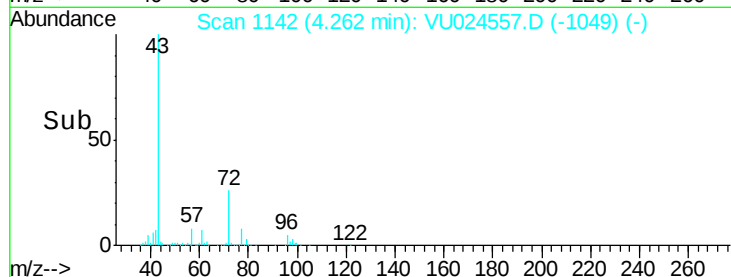
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 36.893 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024557.D

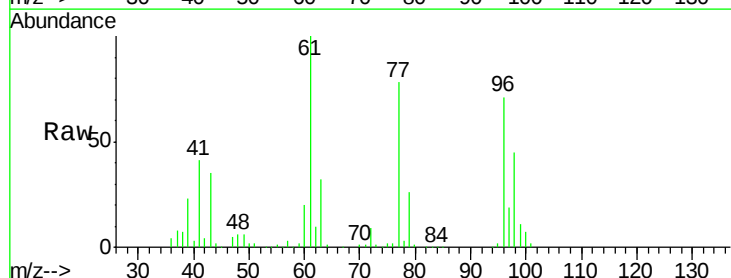
Acq: 14 Jun 2018 22:17

Tgt Ion: 77 Resp: 143784

Ion Ratio Lower Upper

77 100

97 24.5 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

50000

40000

30000

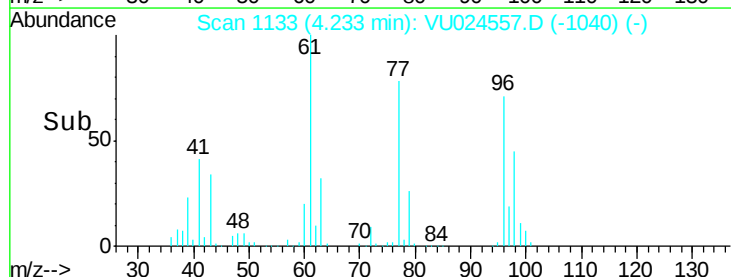
20000

10000

0

4.10 4.20 4.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 48.332 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

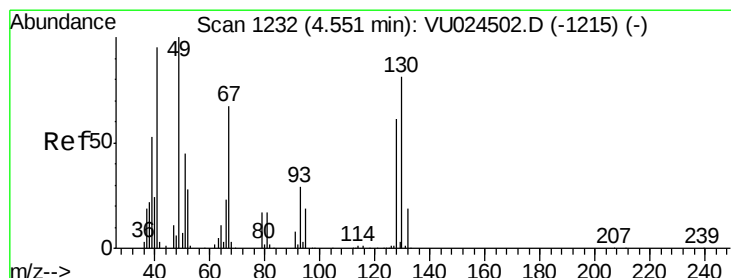
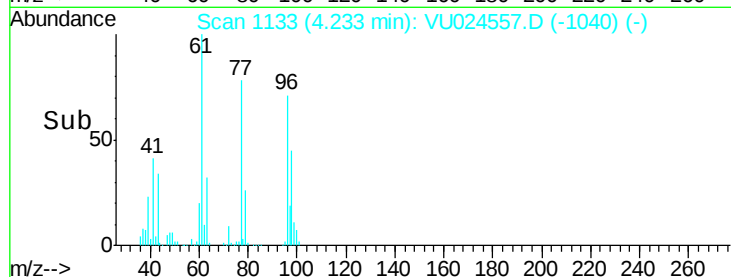
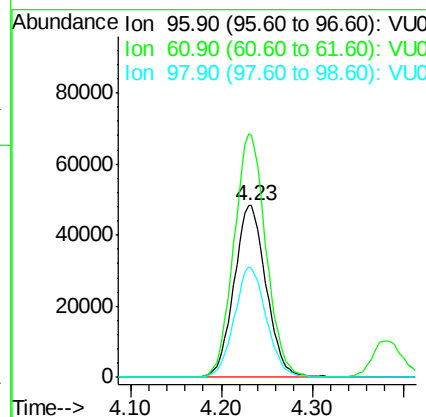
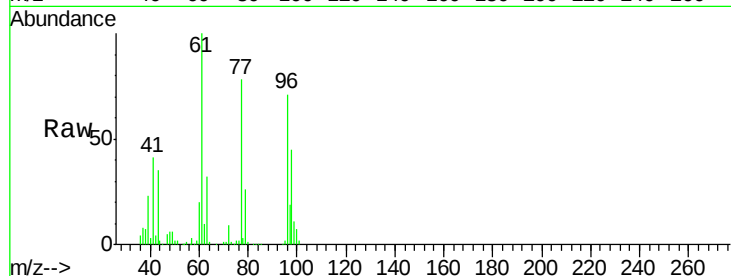
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118631
Ion Ratio	Lower	Upper	
96	100		
61	141.3	0.0	306.6
98	63.9	0.0	128.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#28

Bromochloromethane

Concen: 50.133 ug/l

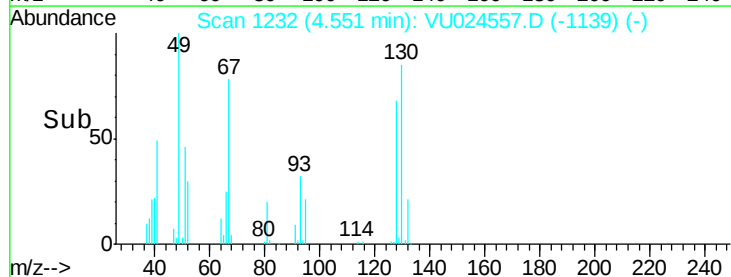
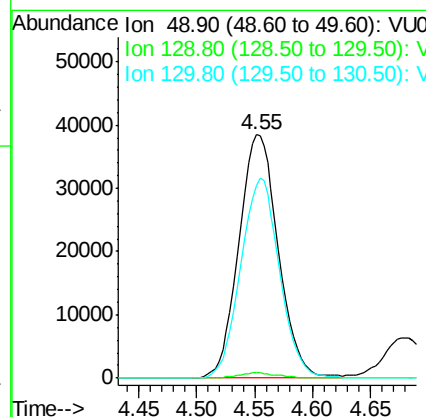
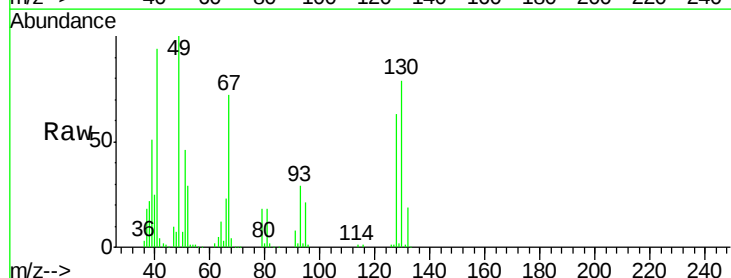
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	49	Resp:	90633
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	81.3	57.8	86.6





#29

Tetrahydrofuran

Concen: 234.455 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

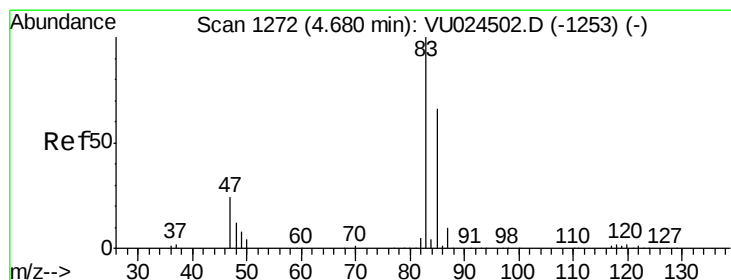
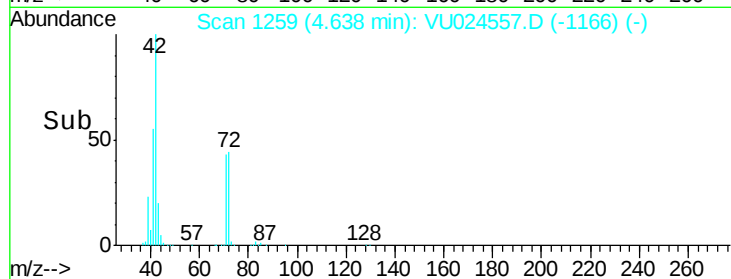
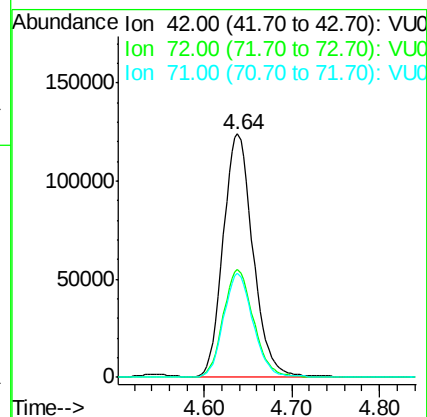
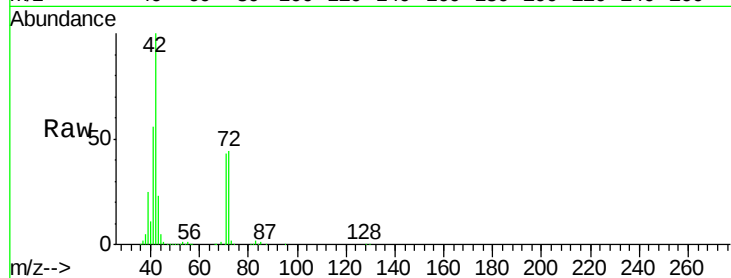
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	291221
Ion Ratio		Lower	Upper
42	100		
72	45.6	34.5	51.7
71	42.8	32.2	48.4

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#30

Chloroform

Concen: 46.573 ug/l

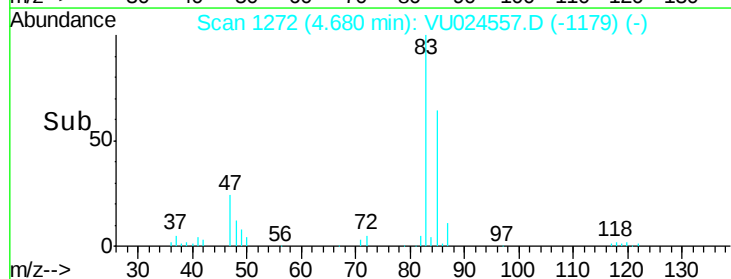
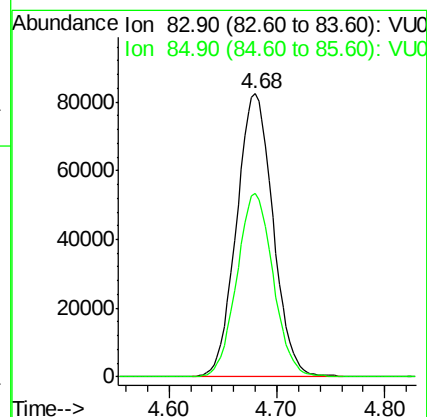
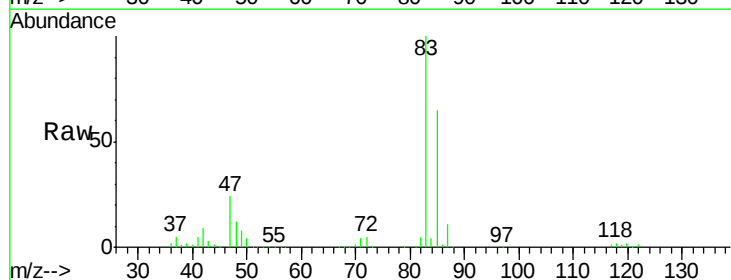
RT: 4.68 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	83	Resp:	193482
Ion Ratio		Lower	Upper
83	100		
85	64.6	52.4	78.6





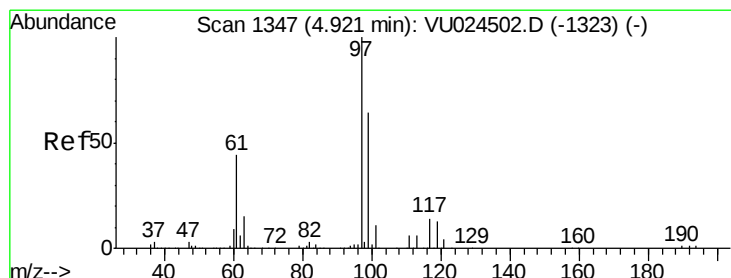
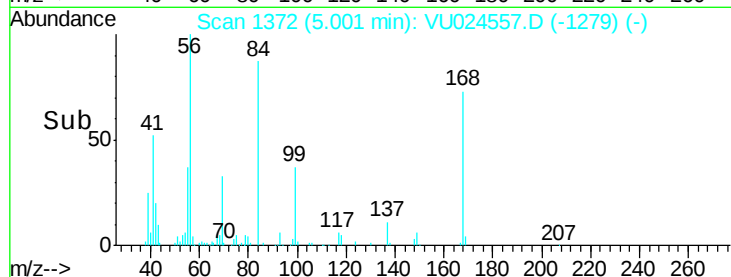
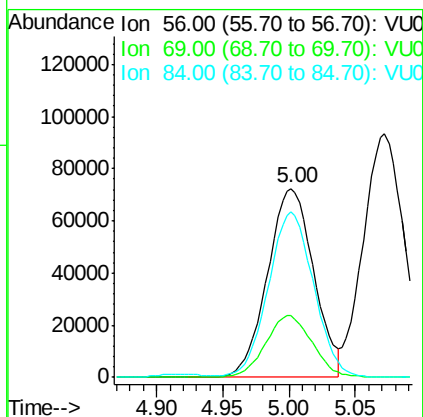
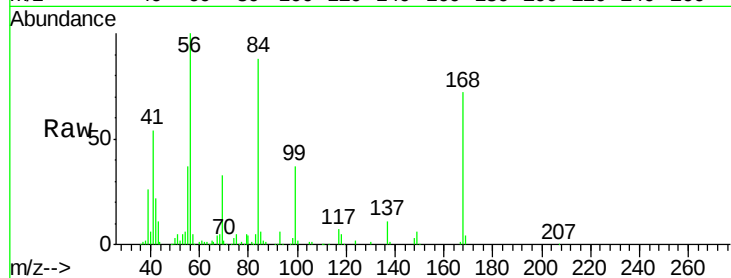
#31
Cyclohexane
Concen: 48.327 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	24.8	37.2
84	86.3	65.2	97.8

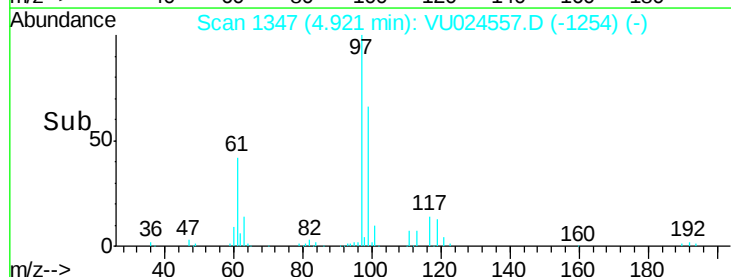
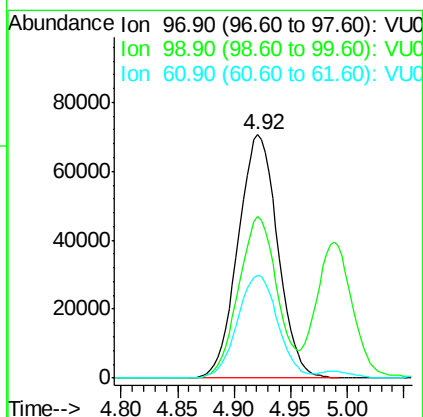
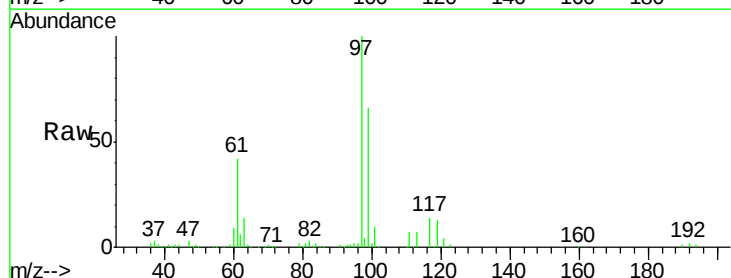
Manual Integrations
APPROVED

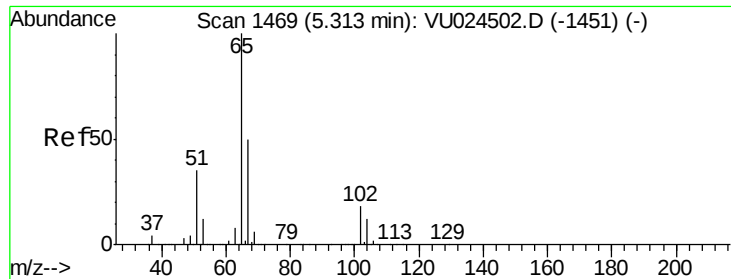
apatel
6/15/2018 3:29:46 PM



#32
1,1,1-Trichloroethane
Concen: 44.948 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	42.9	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 45.391 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 126150

Ion Ratio Lower Upper

65 100

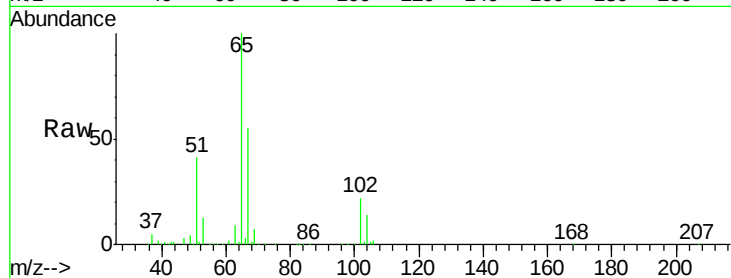
67 54.0 0.0 107.0

Manual Integrations

APPROVED

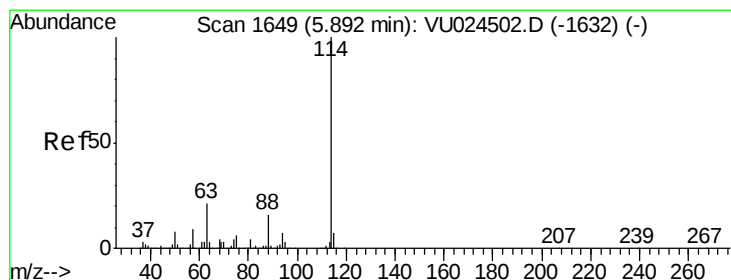
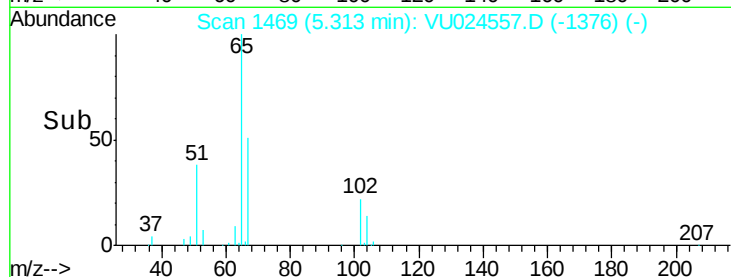
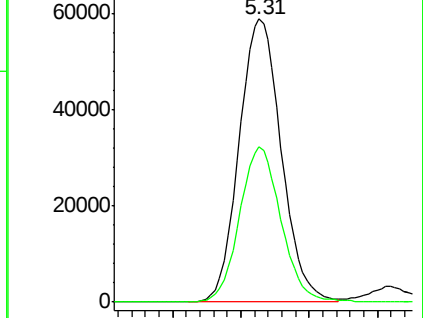
apatel

6/15/2018 3:29:46 PM



Abundance Ion 64.90 (64.60 to 65.60): VU024502.D (-1451) (-)

Ion 66.90 (66.60 to 67.60): VU024502.D (-1451) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

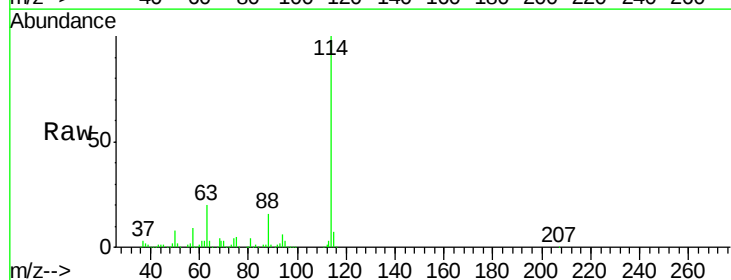
Tgt Ion: 114 Resp: 271901

Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.4

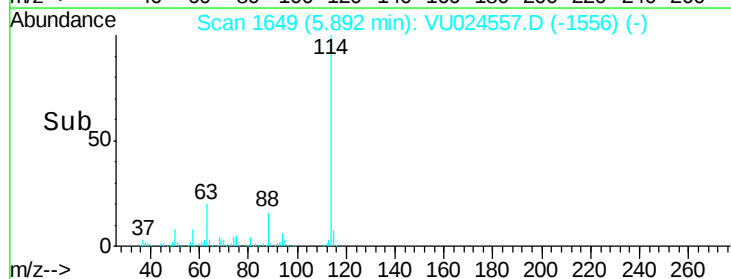
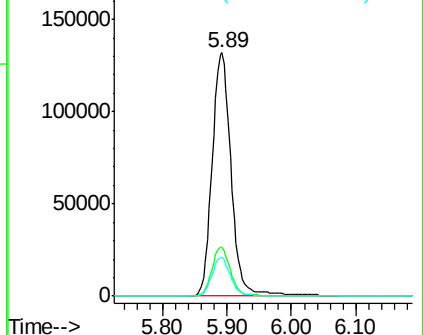
88 15.8 0.0 31.0

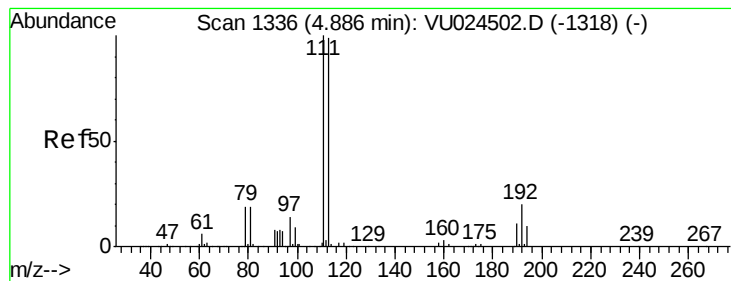


Abundance Ion 113.90 (113.60 to 114.60): VU024502.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU024502.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU024502.D (-1632) (-)





#35

Dibromofluoromethane

Concen: 49.655 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

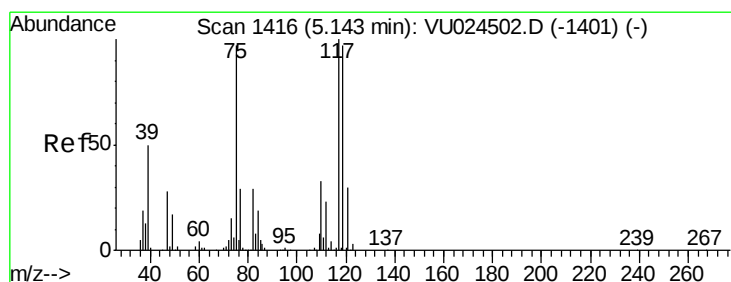
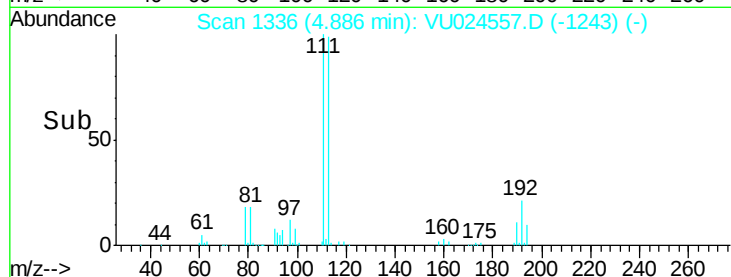
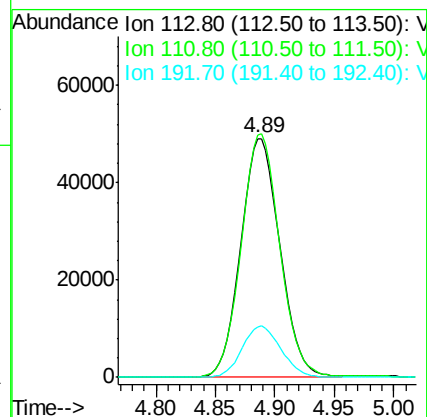
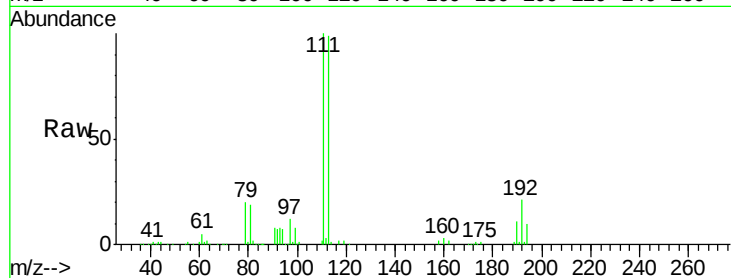
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	112051
Ion Ratio	Lower	Upper	
113	100		
111	100.5	82.2	123.4
192	21.2	16.2	24.4

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#36

1,1-Dichloropropene

Concen: 44.911 ug/l

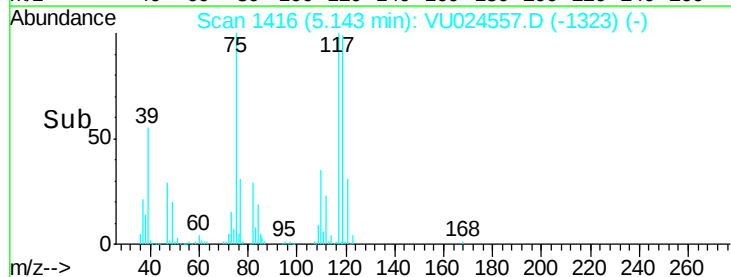
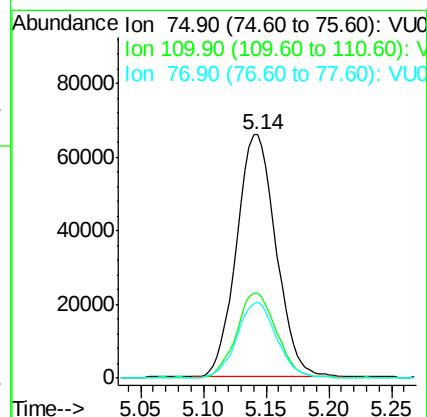
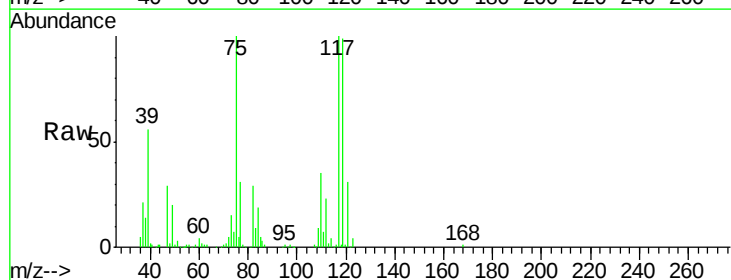
RT: 5.14 min Scan# 1416

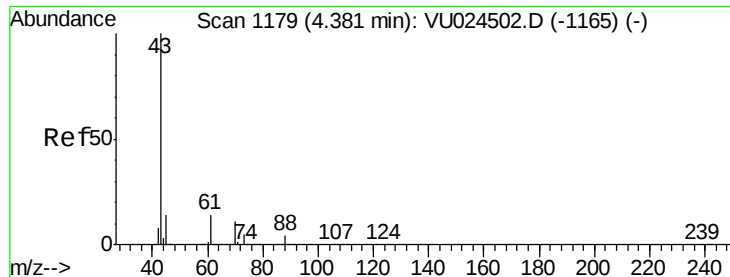
Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	75	Resp:	143493
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.0	50.9
77	30.9	24.2	36.4





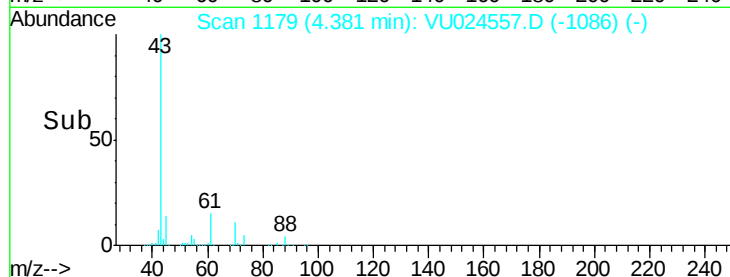
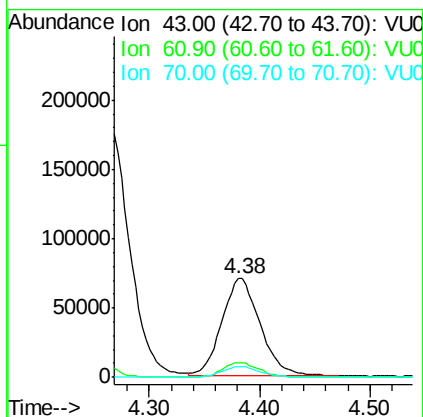
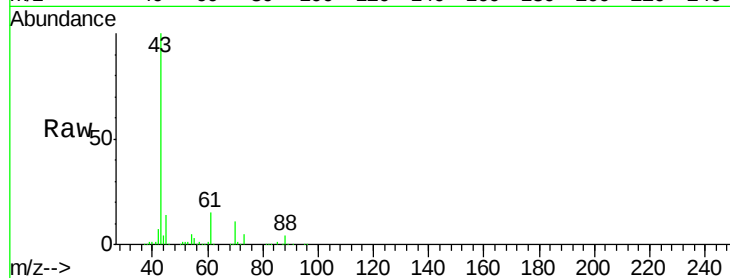
#37
Ethyl Acetate
Concen: 48.881 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	11.0	7.4	11.2

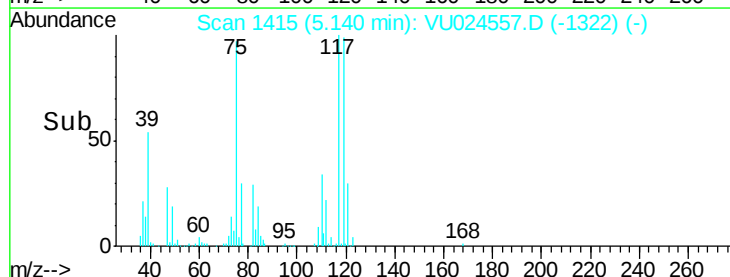
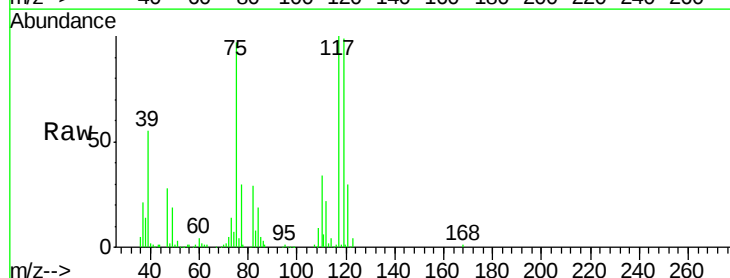
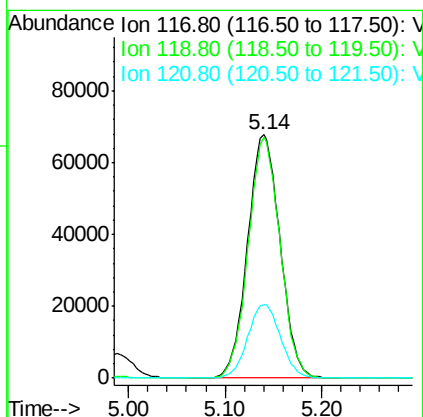
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#38
Carbon Tetrachloride
Concen: 45.082 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.1	114.1
121	30.2	23.7	35.5





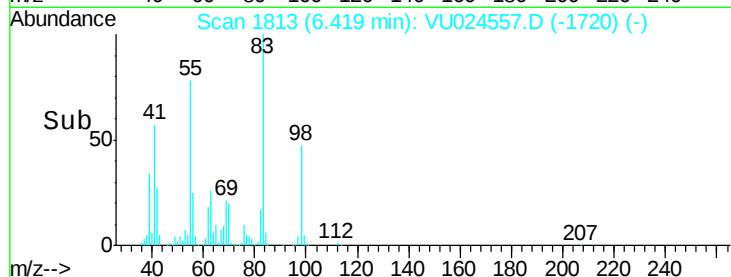
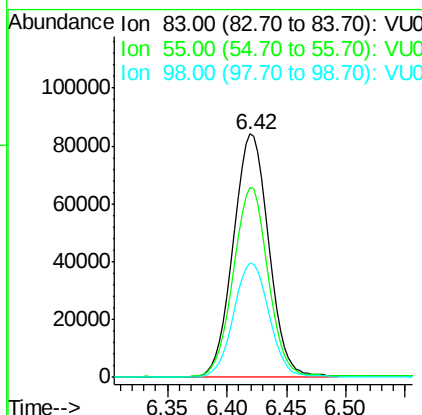
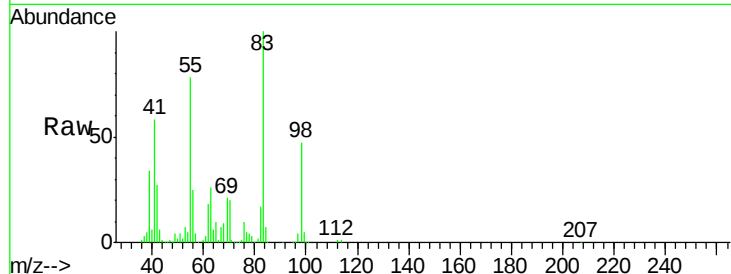
#39
Methvlcvclohexane
Concen: 43.688 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	65.8	98.6
98	46.7	36.7	55.1

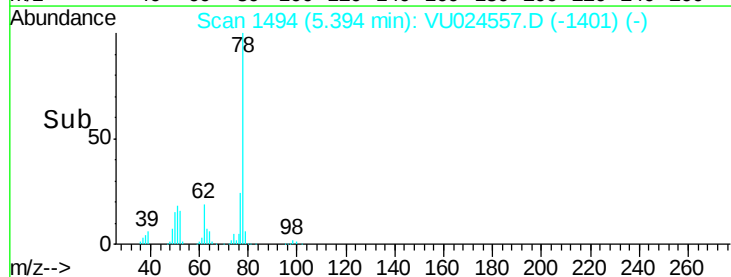
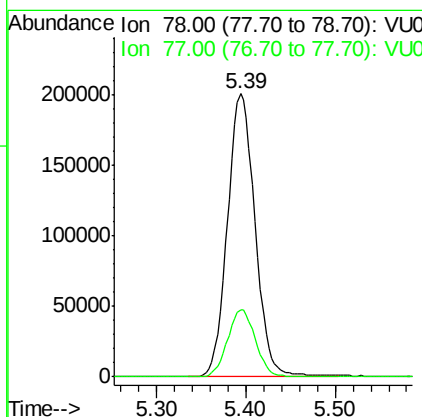
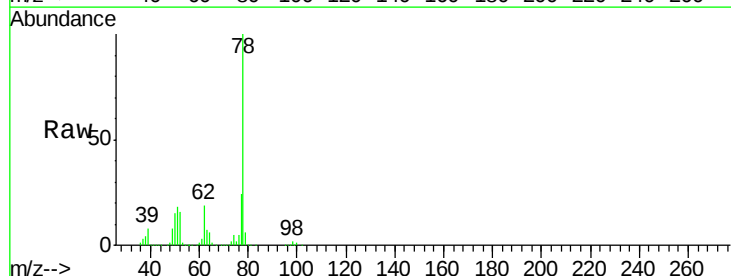
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#40
Benzene
Concen: 47.397 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





#41

Methacrylonitrile

Concen: 49.937 ug/l

RT: 4.54 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

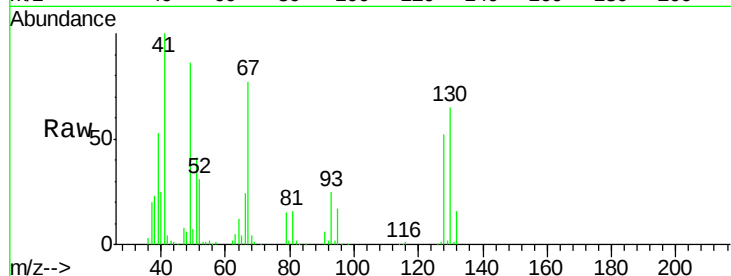
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.4	43.8	65.6	
67	74.9	56.3	84.5	
52	29.3	23.2	34.8	

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



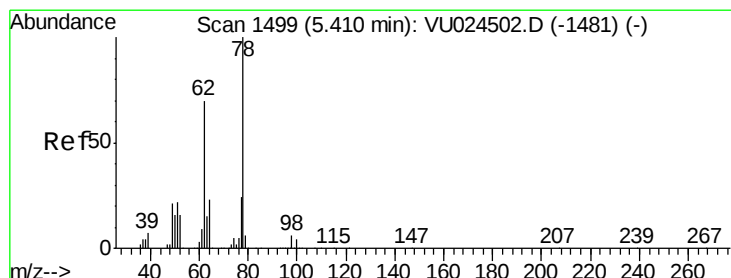
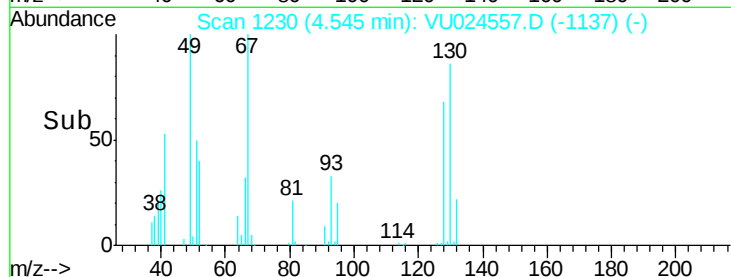
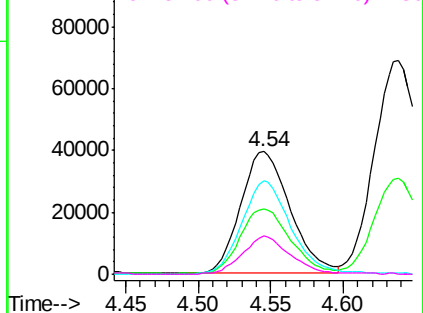
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 44.279 ug/l

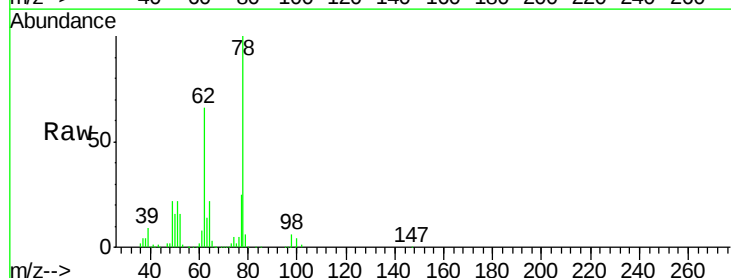
RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

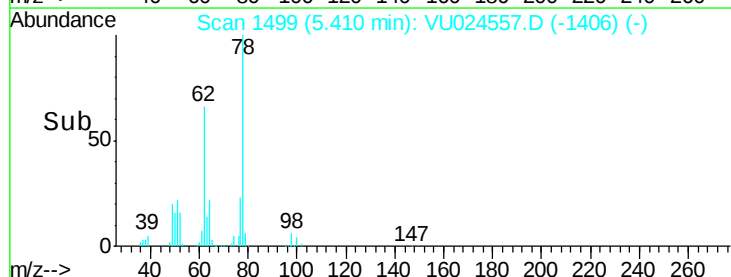
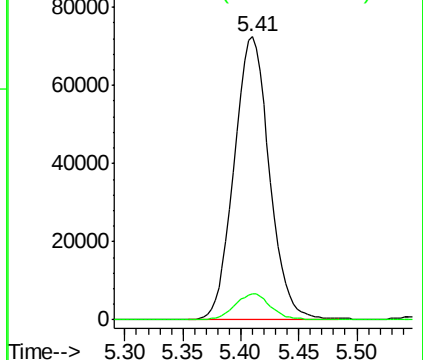
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	16.6	



Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 46.687 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

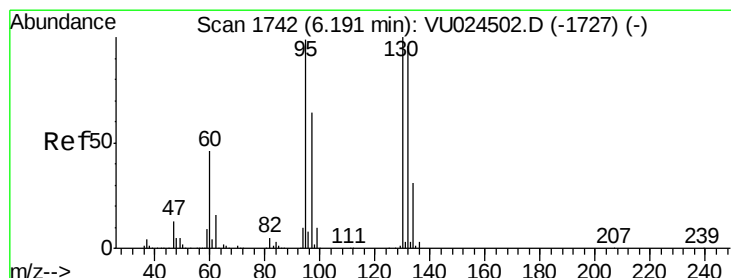
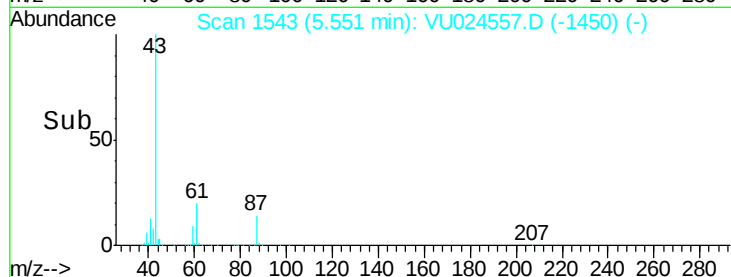
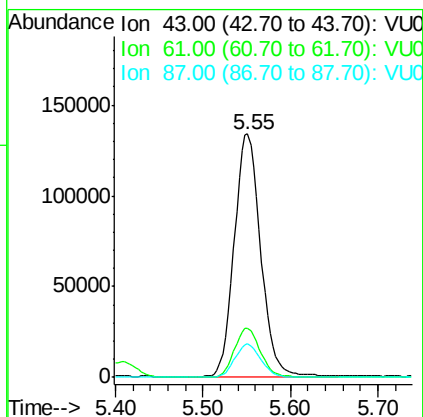
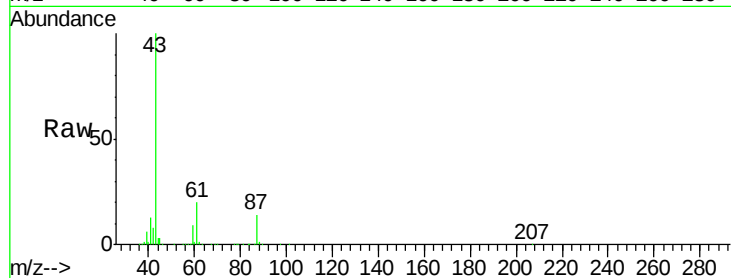
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	281032
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.4	23.0
87	13.5	10.0	15.0

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#44

Trichloroethene

Concen: 45.523 ug/l

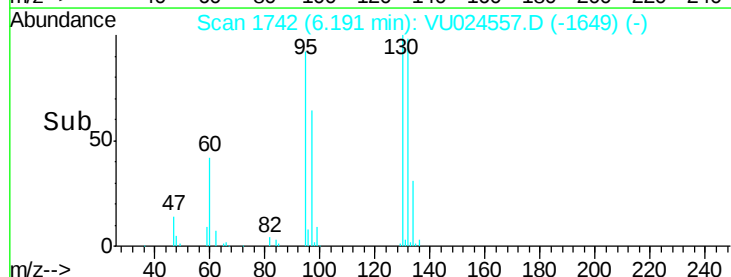
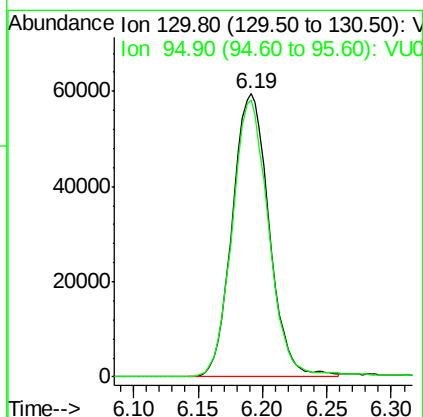
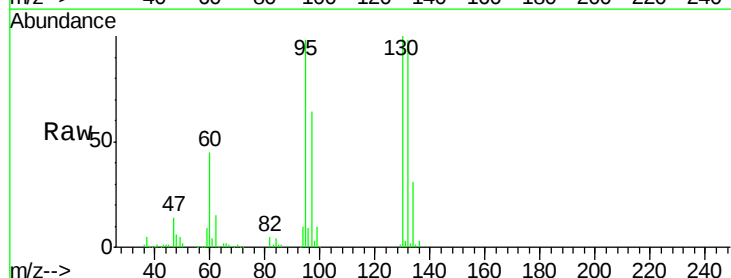
RT: 6.19 min Scan# 1742

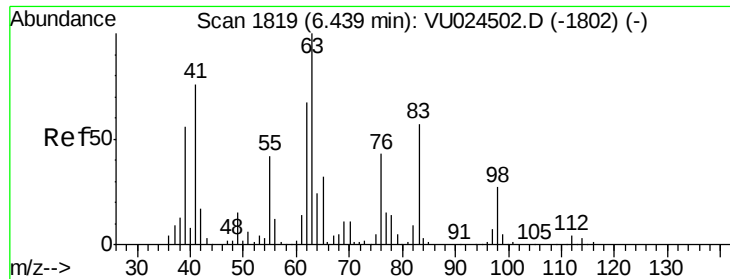
Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	130	Resp:	117951
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	202.4





#45

1,2-Dichloropropane

Concen: 48.153 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 116974

Ion Ratio Lower Upper

63 100

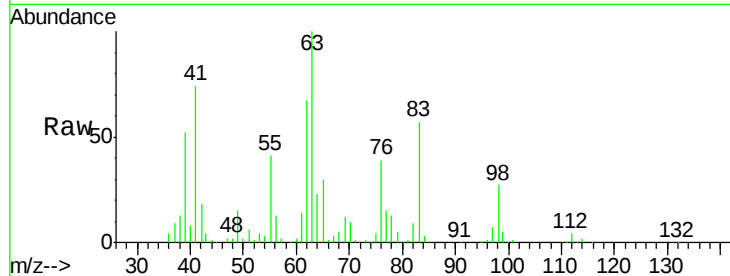
65 30.2 24.8 37.2

Manual Integrations

APPROVED

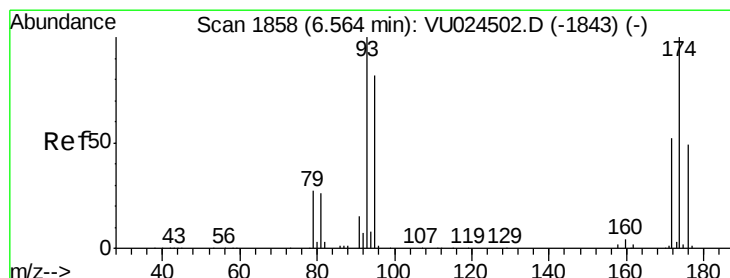
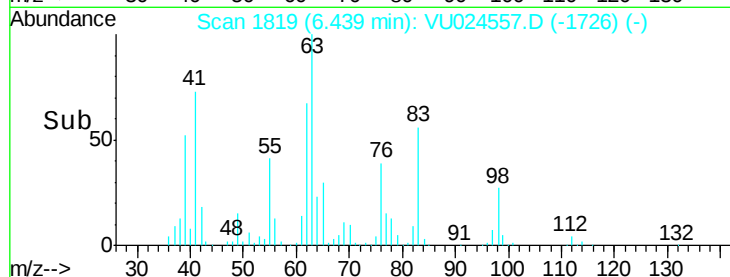
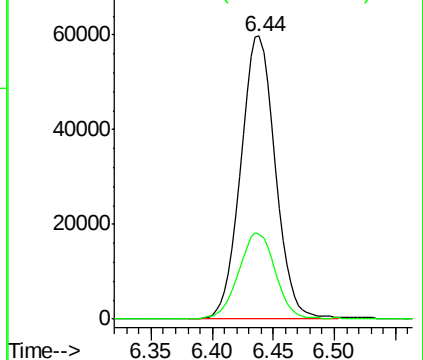
apatel

6/15/2018 3:29:46 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 47.179 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

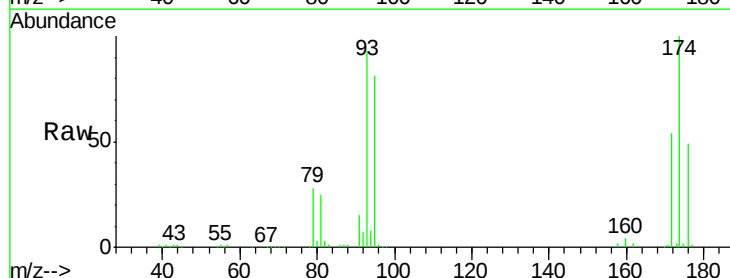
Tgt Ion: 93 Resp: 80501

Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

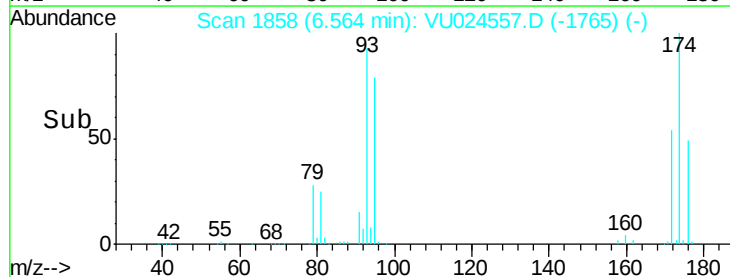
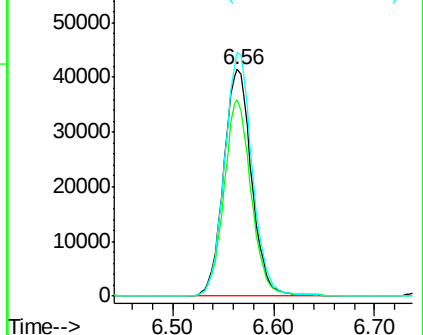
174 105.9 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.123 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

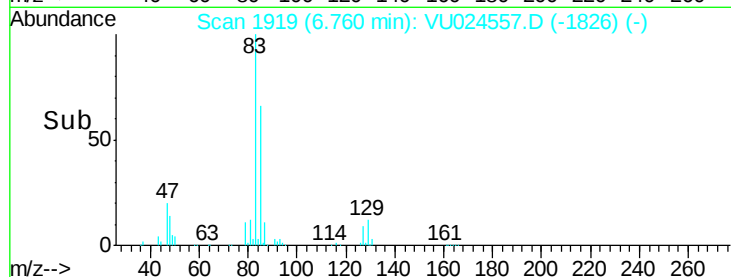
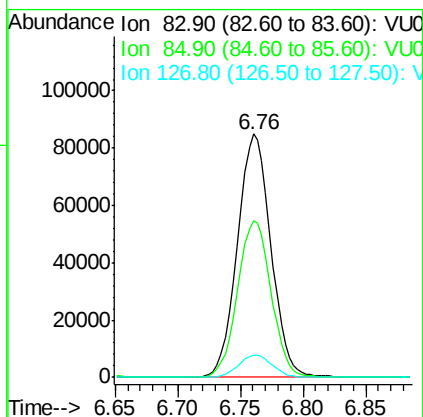
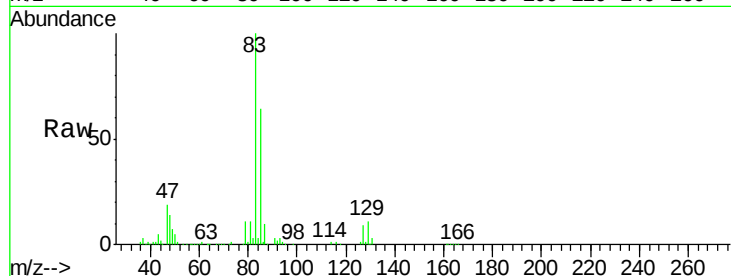
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	156713
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.9	77.9
127	9.1	6.6	9.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#48

Methyl methacrylate

Concen: 46.216 ug/l

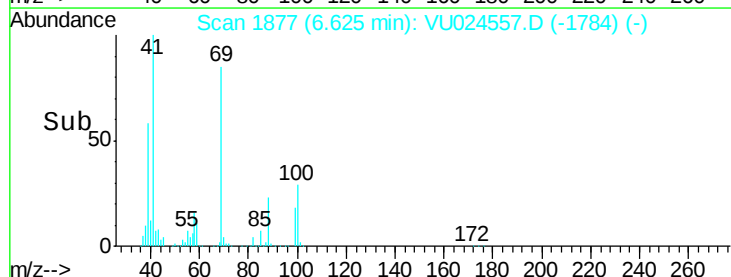
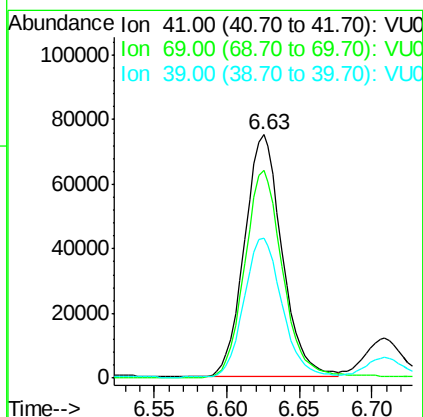
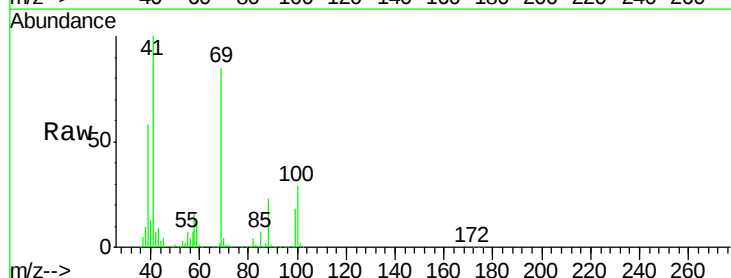
RT: 6.63 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	41	Resp:	135465
Ion Ratio	Lower	Upper	
41	100		
69	87.2	67.3	100.9
39	58.0	46.5	69.7





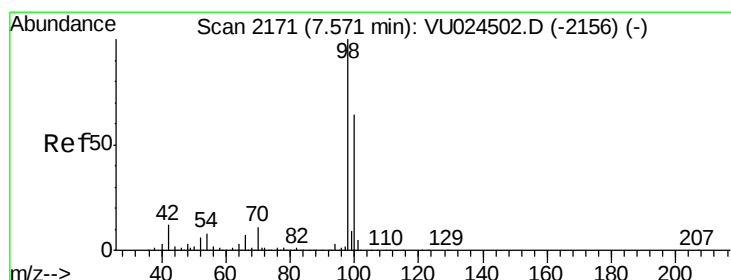
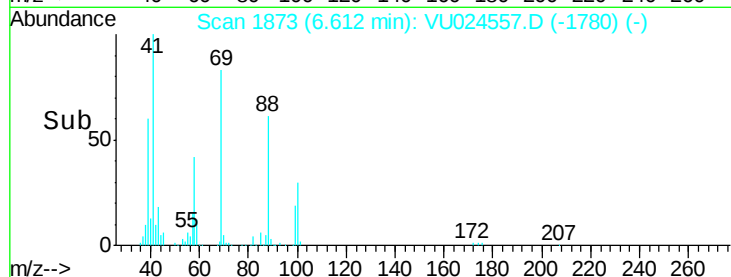
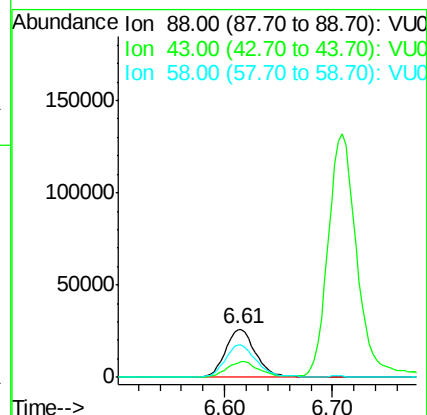
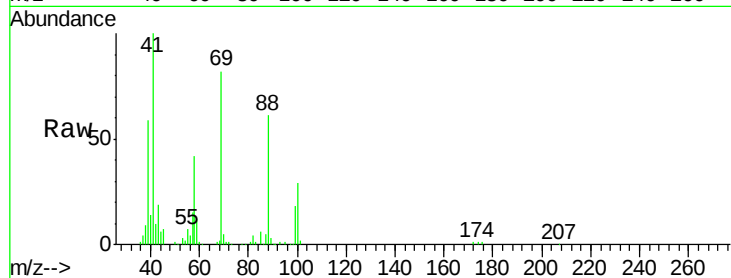
#49
 1,4-Dioxane
 Concen: 877.839 ug/l
 RT: 6.61 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	28.6	42.8
58	70.9	58.2	87.4

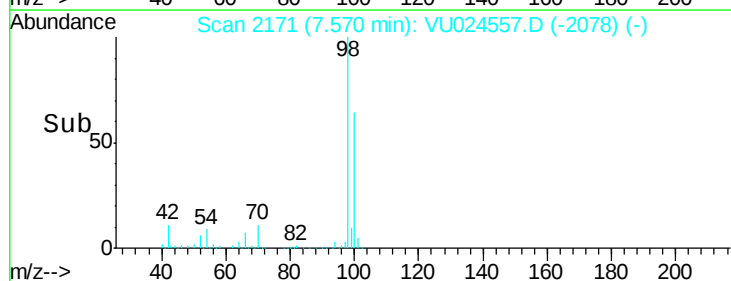
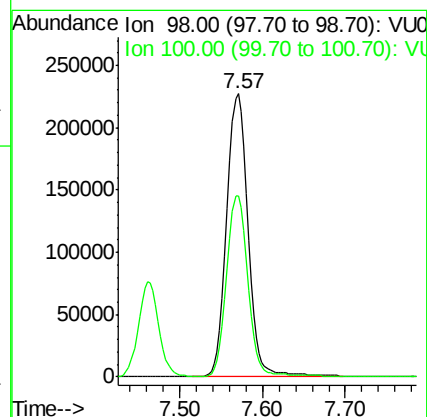
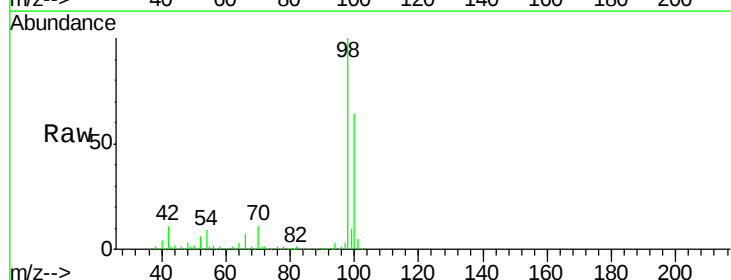
Manual Integrations
 APPROVED

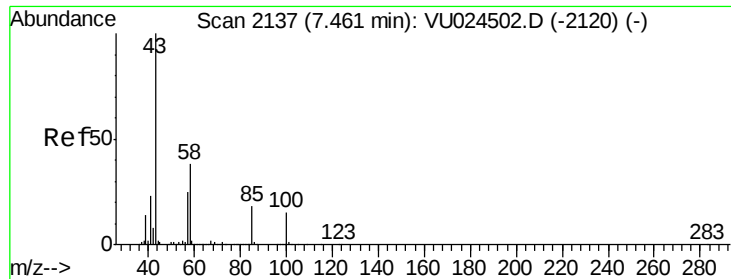
apatel
 6/15/2018 3:29:46 PM



#50
 Toluene-d8
 Concen: 49.717 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.1	76.7





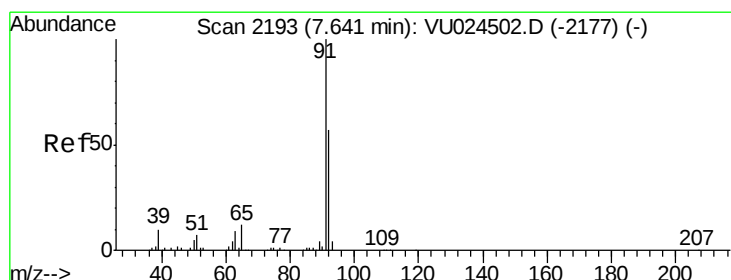
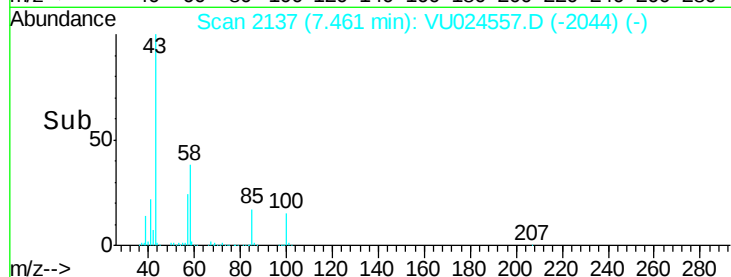
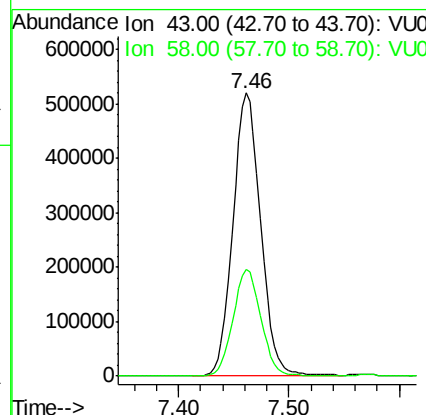
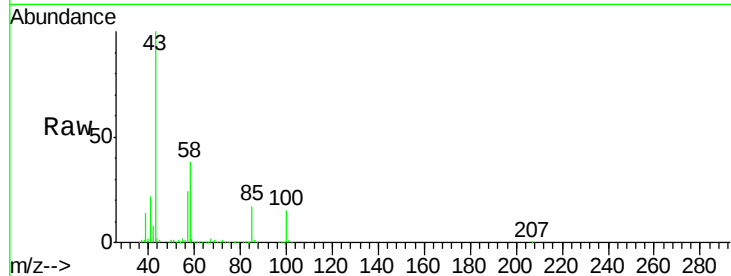
#51
4-Methyl-2-Pentanone
Concen: 239.343 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.0	45.0

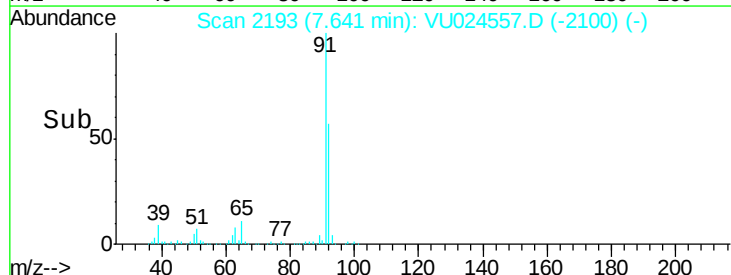
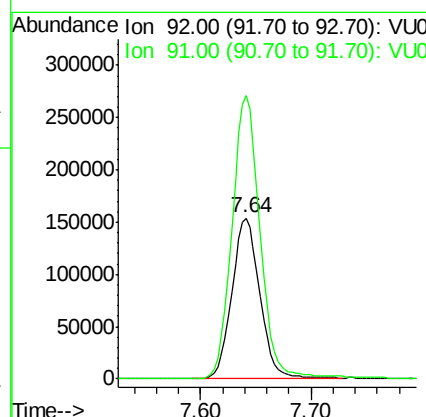
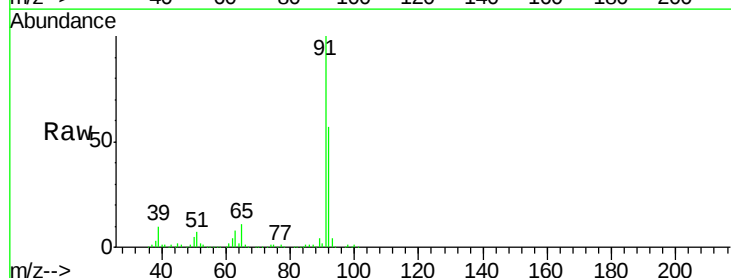
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#52
Toluene
Concen: 46.464 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	140.5	210.7





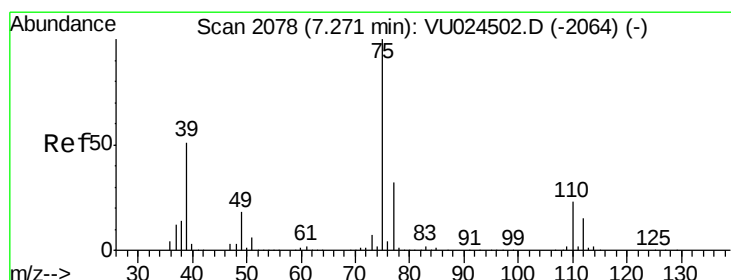
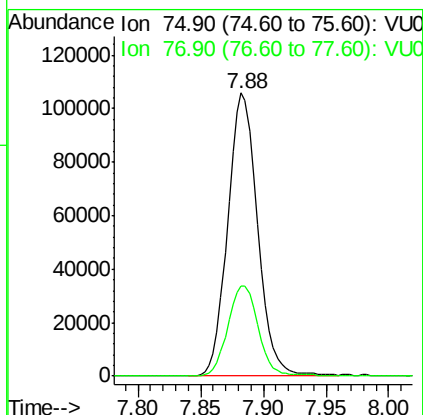
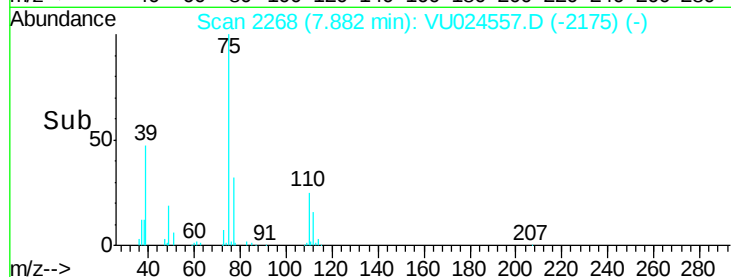
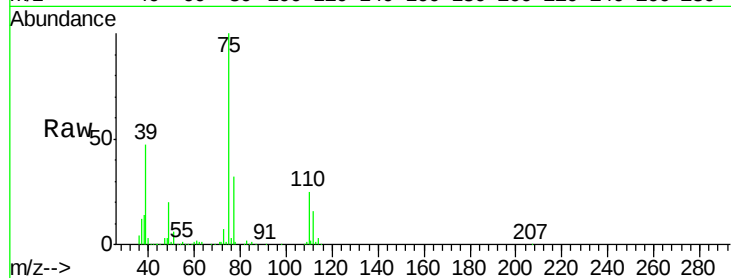
#53
t-1,3-Dichloropropene
Concen: 45.959 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2

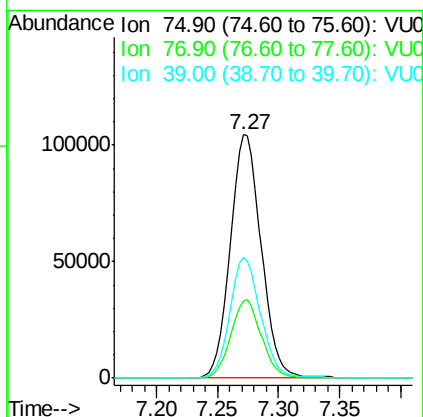
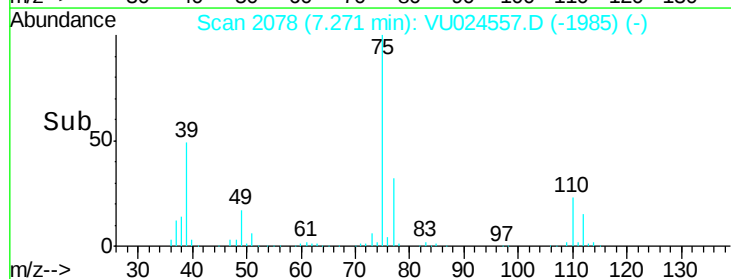
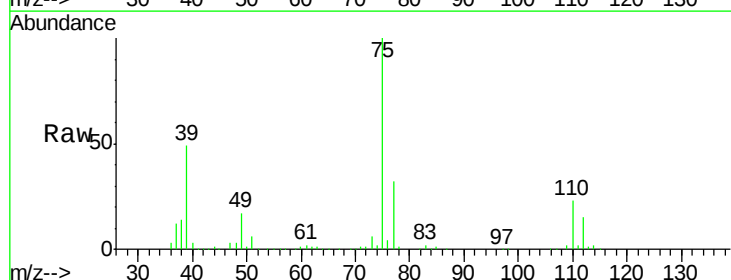
Manual Integrations
APPROVED

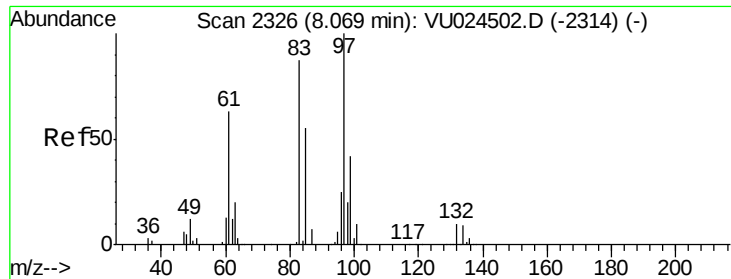
apatel
6/15/2018 3:29:46 PM



#54
cis-1,3-Dichloropropene
Concen: 45.387 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	49.2	39.8	59.6





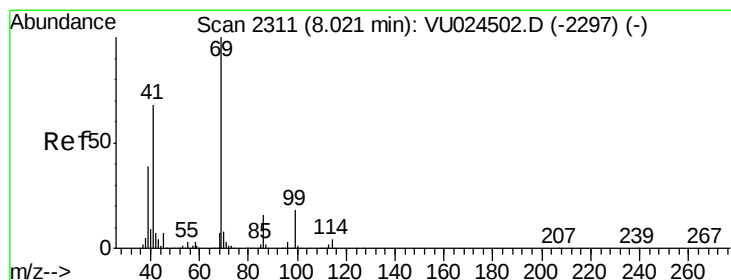
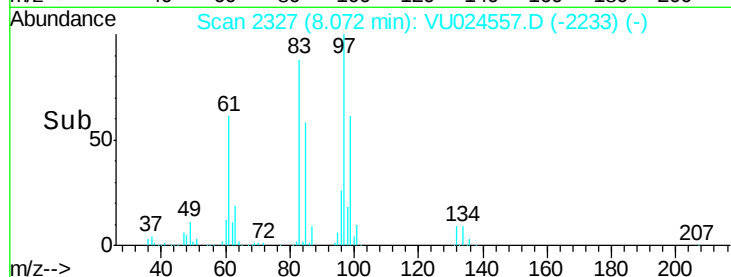
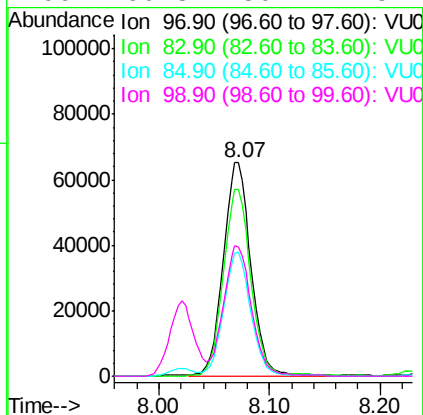
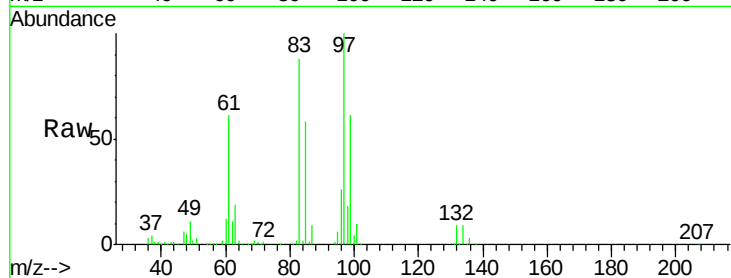
#55
 1,1,2-Trichloroethane
 Concen: 47.103 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112149
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.5	105.7
85	57.8	46.4	69.6
99	60.8	50.2	75.2

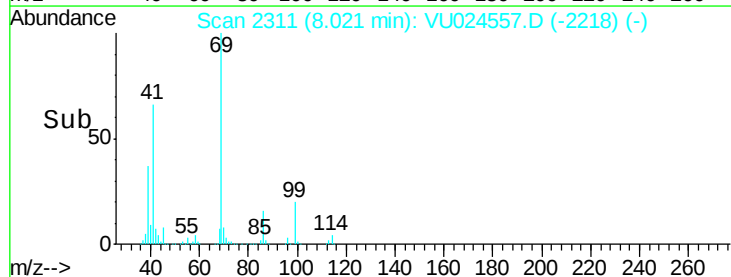
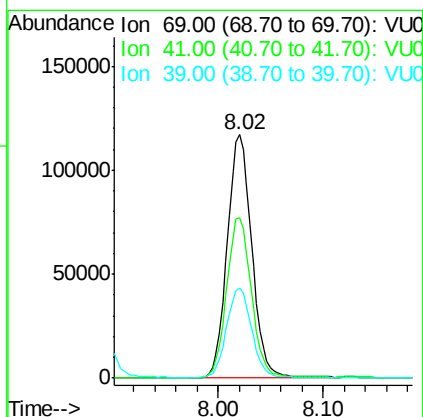
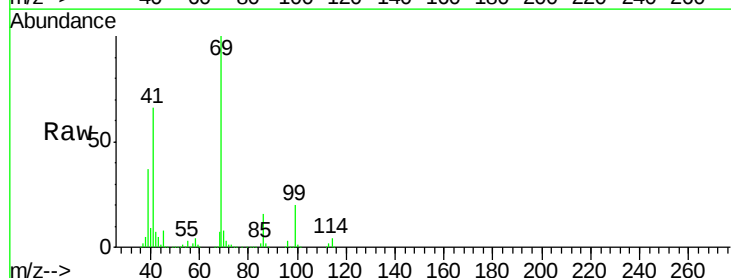
Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM



#56
 Ethyl methacrylate
 Concen: 47.247 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion:	69	Resp:	188281
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.1	81.1
39	37.1	30.3	45.5





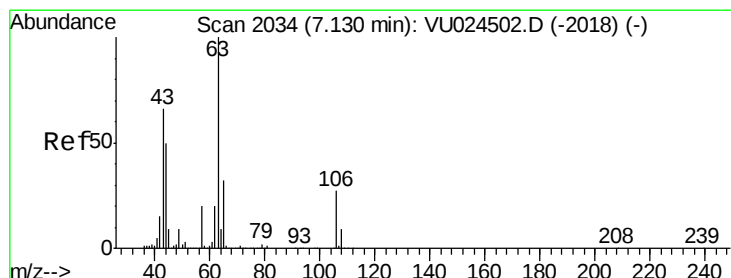
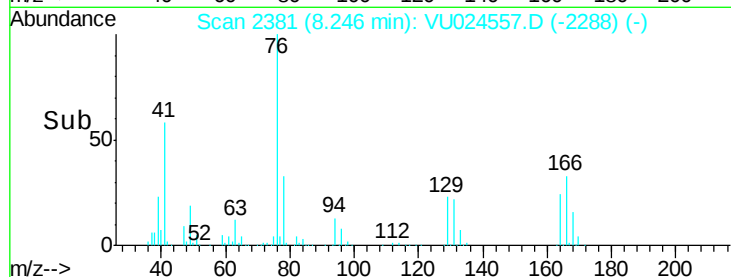
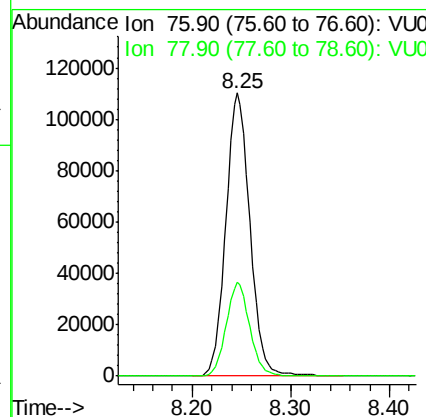
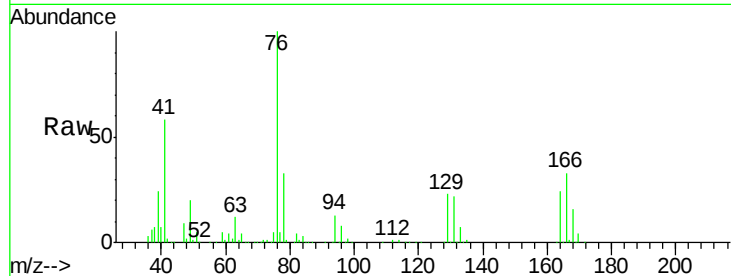
#57
 1,3-Dichloropropane
 Concen: 47.031 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 188895
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

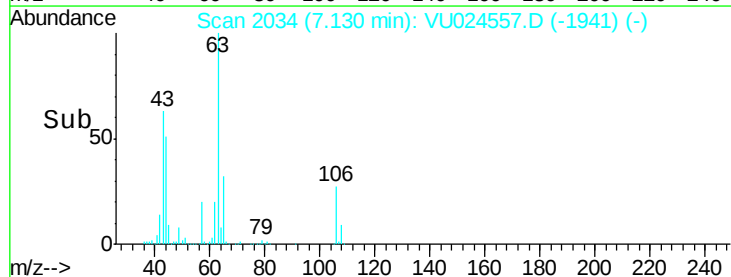
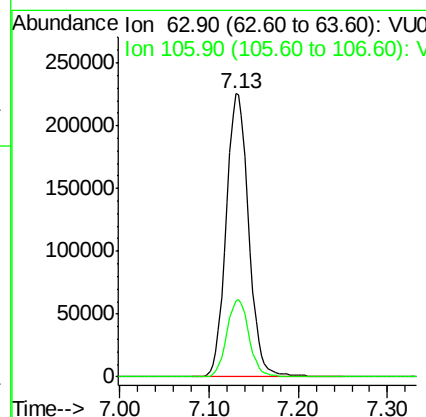
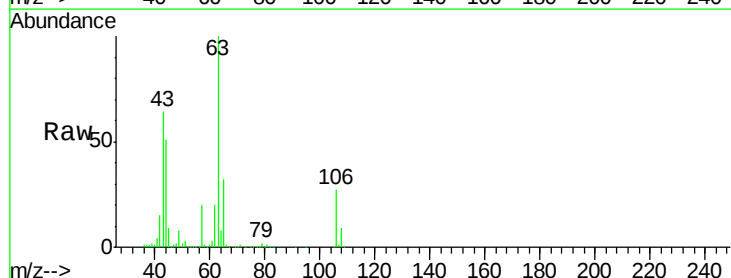
Manual Integrations
 APPROVED

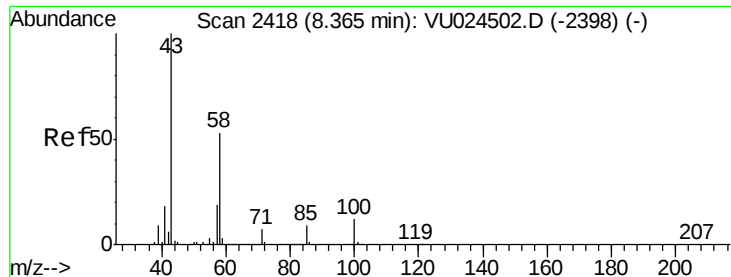
apatel
 6/15/2018 3:29:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.540 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion: 63 Resp: 394710
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.2 30.2





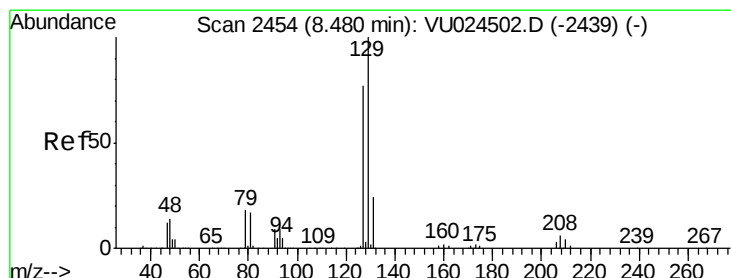
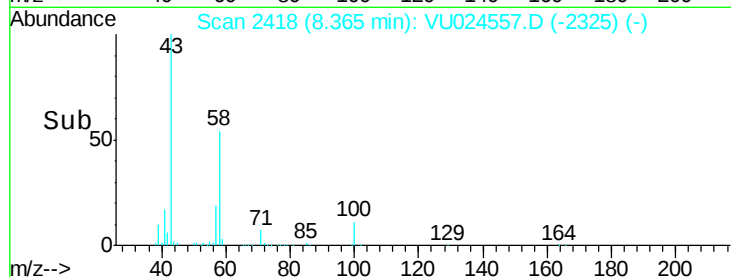
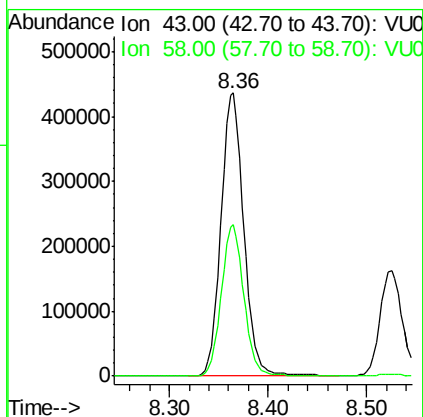
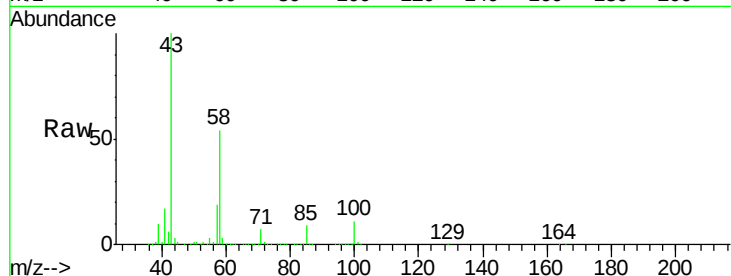
#59
2-Hexanone
Concen: 229.289 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 707909
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

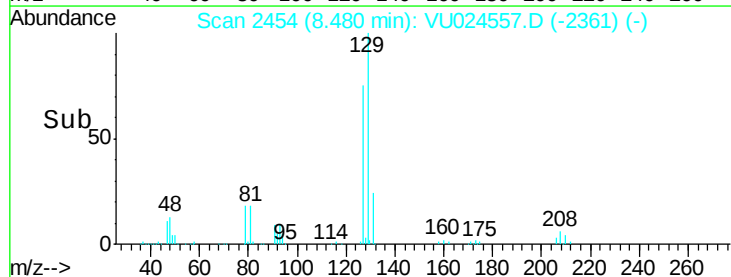
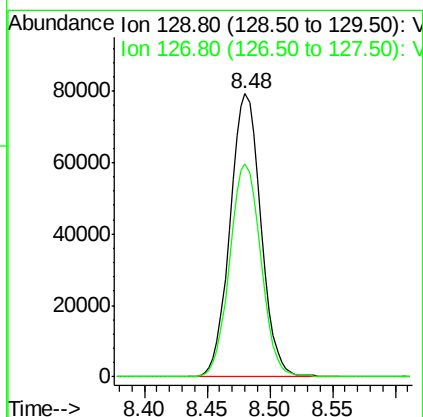
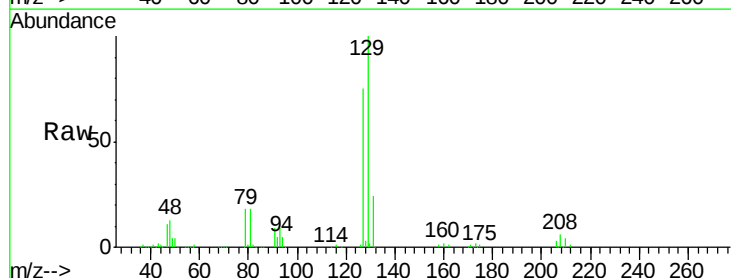
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#60
Dibromochloromethane
Concen: 45.680 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 129 Resp: 135624
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





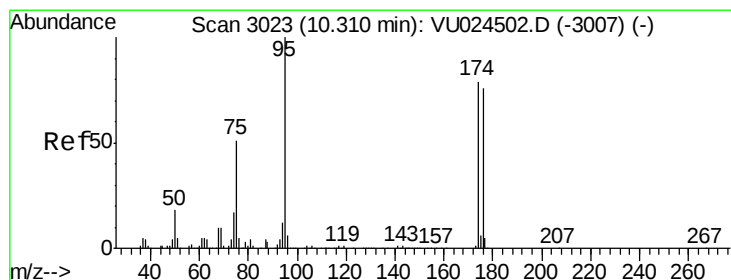
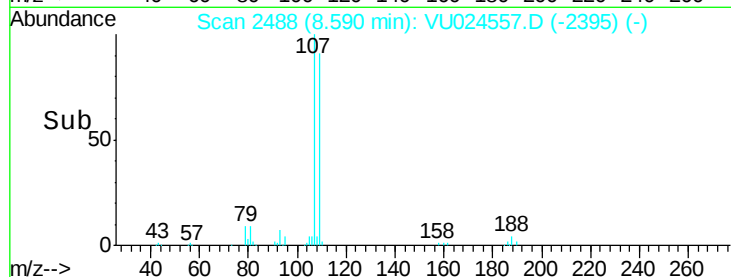
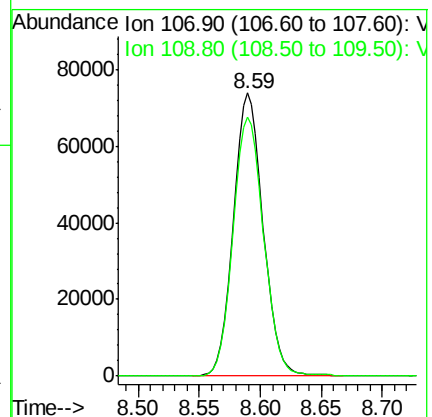
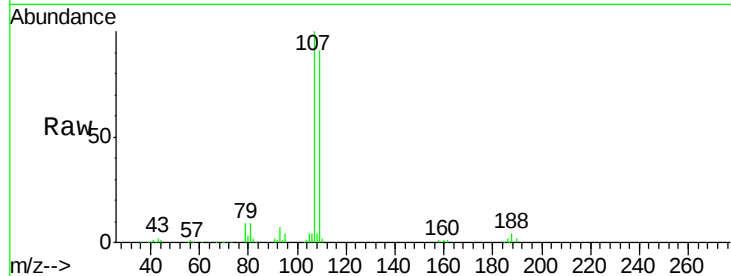
#61
 1,2-Dibromoethane
 Concen: 47.261 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.5	111.7

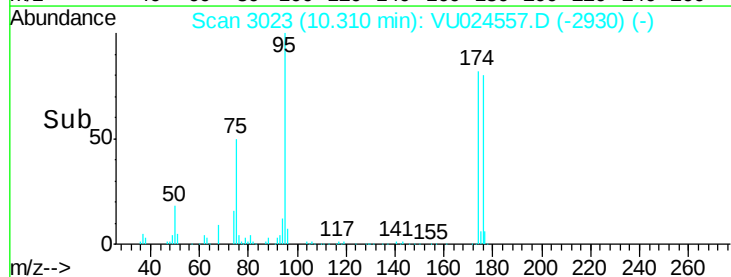
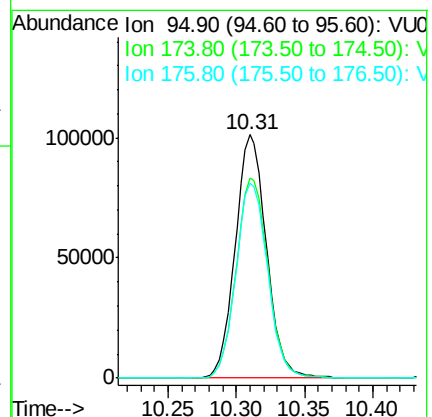
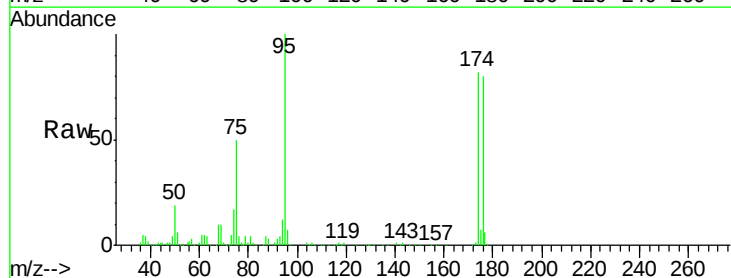
Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM



#62
 4-Bromofluorobenzene
 Concen: 49.230 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	165.8
176	81.3	0.0	159.4





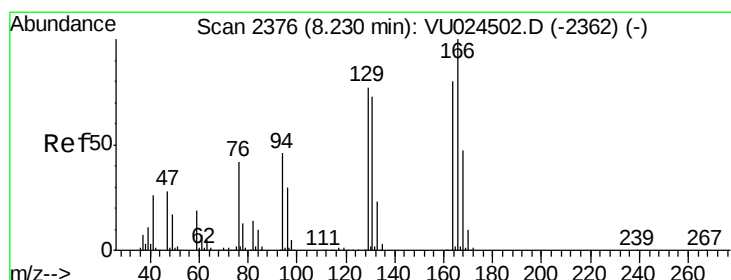
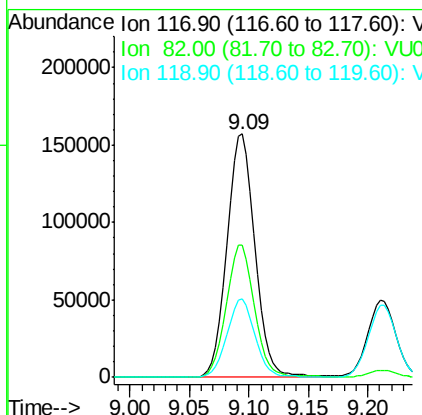
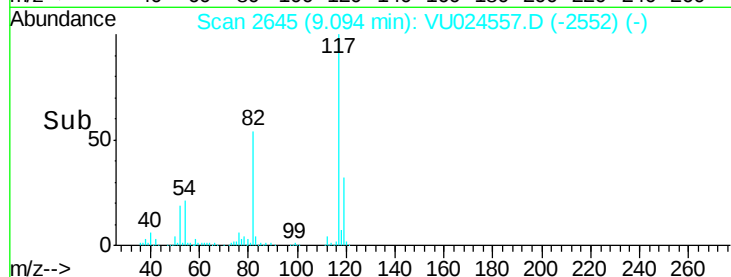
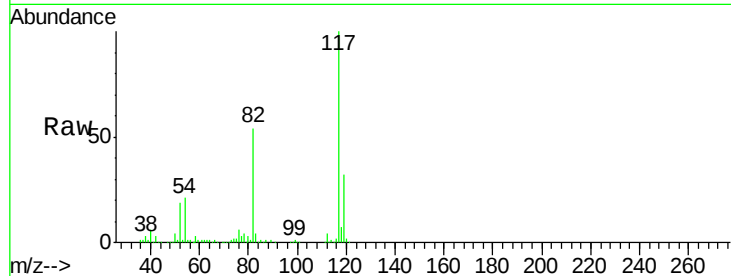
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	257751		
82	54.0		44.3	66.5
119	32.4		25.4	38.2

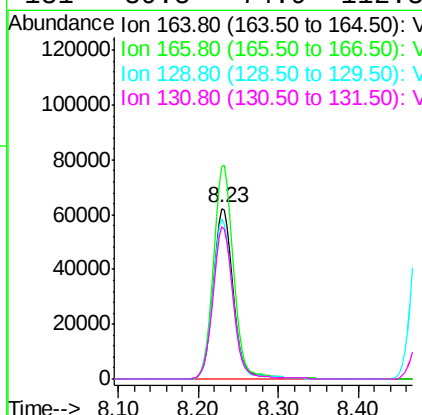
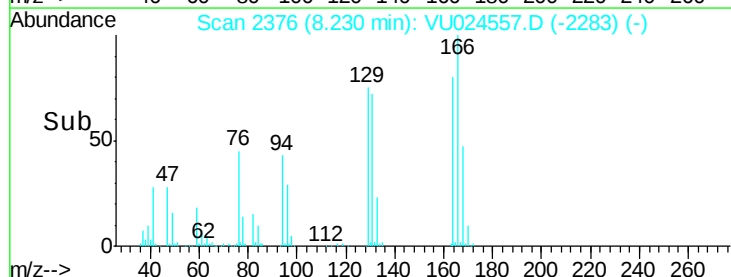
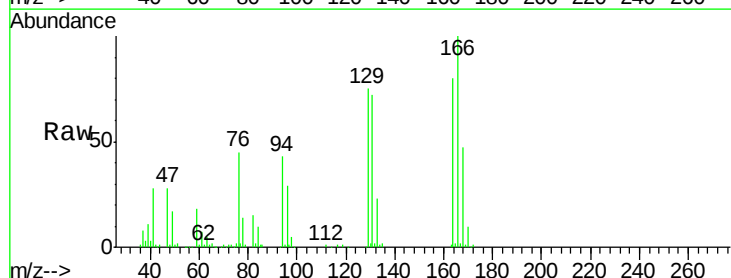
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#64
Tetrachloroethene
Concen: 44.418 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108826		
166	124.4		101.7	152.5
129	93.7		76.9	115.3
131	89.5		74.9	112.3





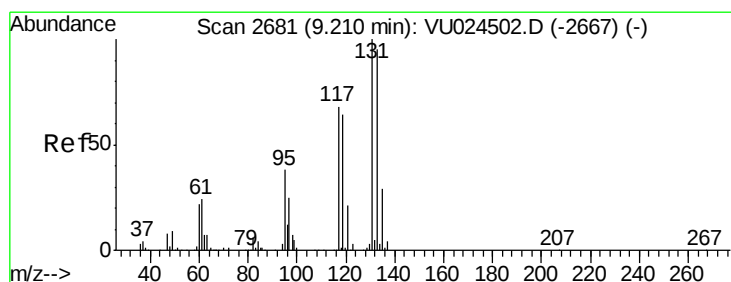
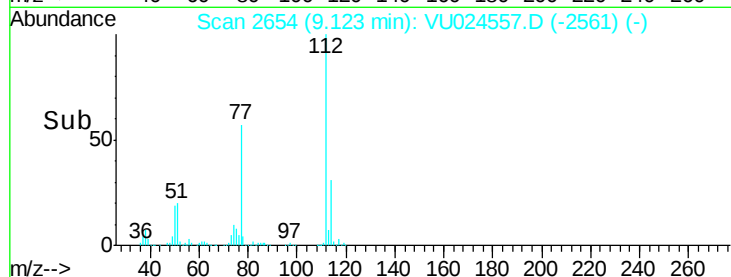
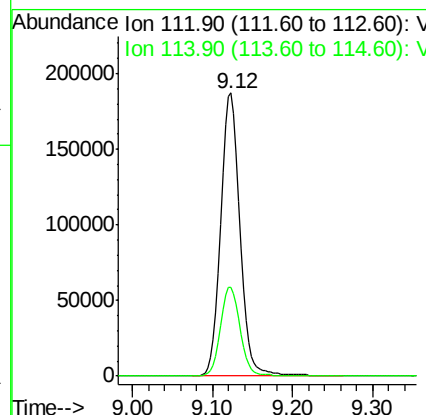
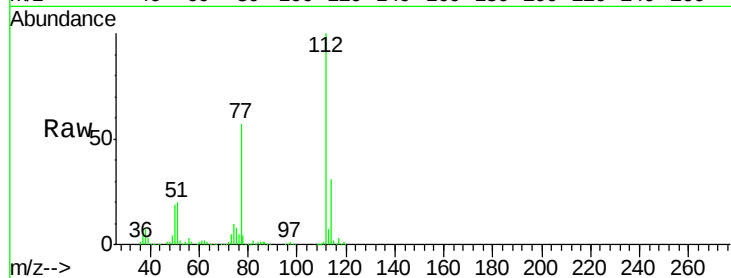
#65
Chlorobenzene
Concen: 47.845 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.6	38.4

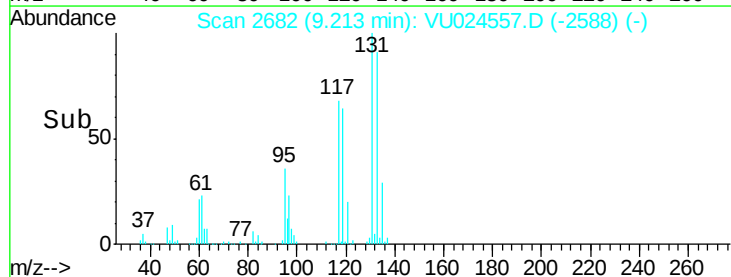
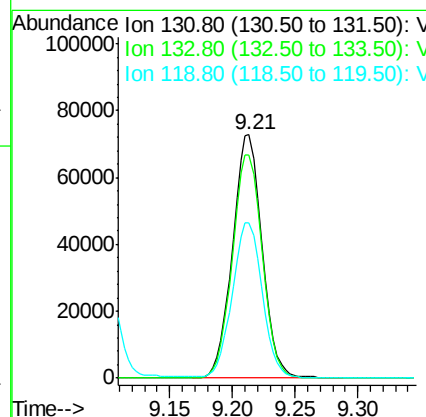
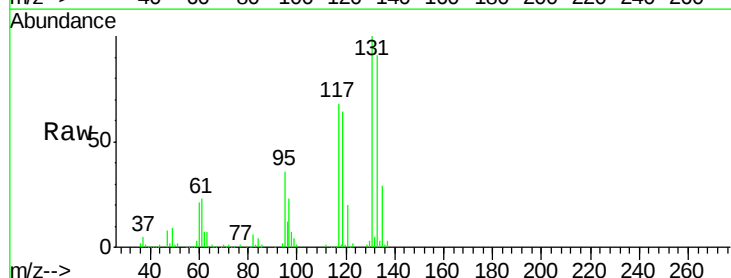
Manual Integrations
APPROVED

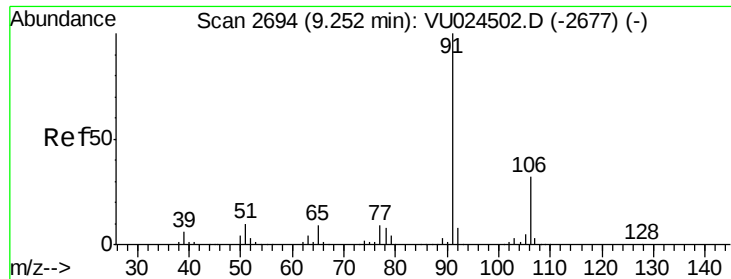
apatel
6/15/2018 3:29:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.585 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	46.9	140.8
119	65.3	33.5	100.4





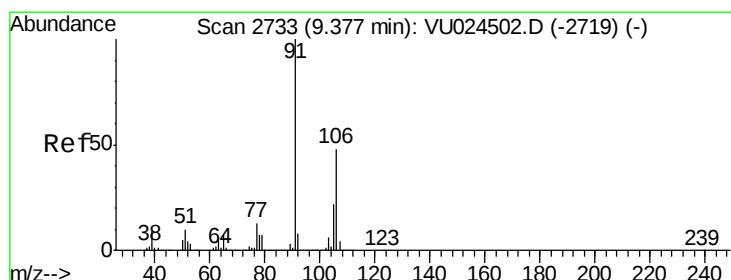
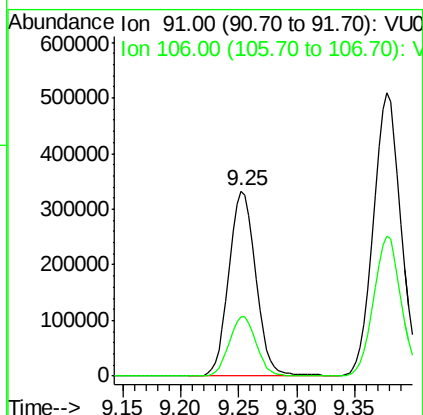
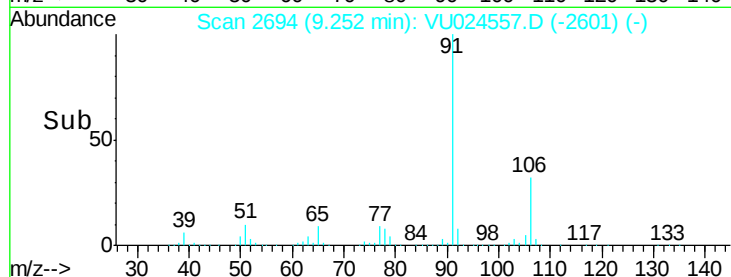
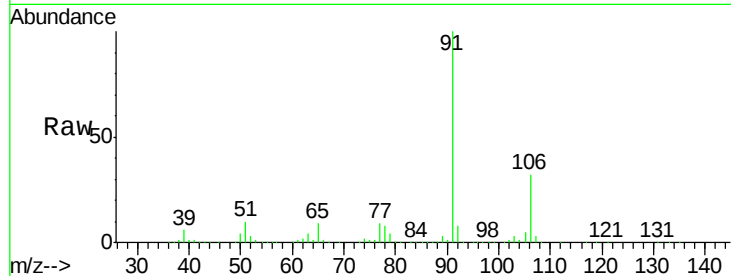
#67
Ethyl Benzene
Concen: 46.415 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 535781
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.4

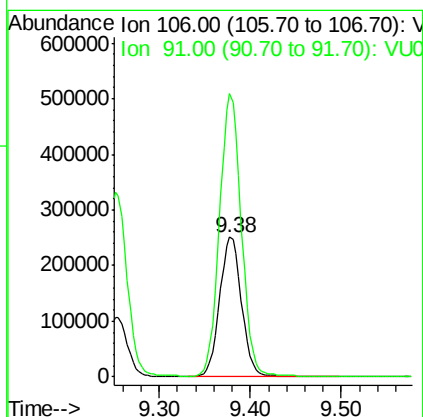
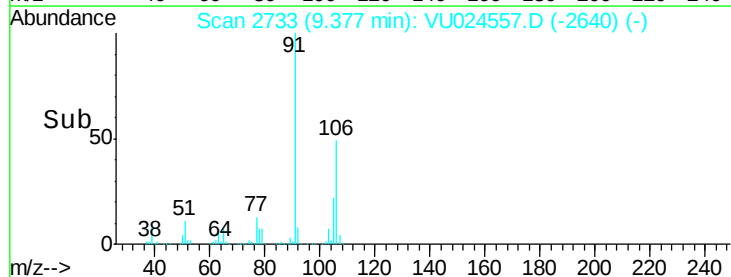
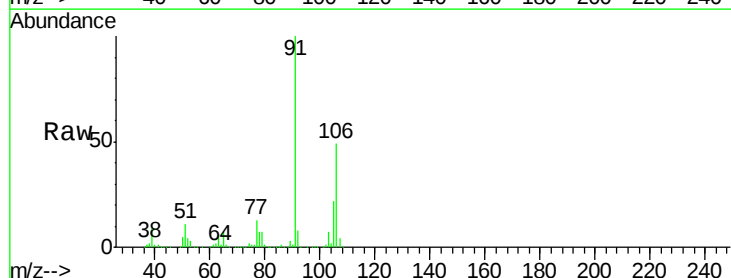
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#68
m/p-Xylenes
Concen: 95.042 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion: 106 Resp: 421285
Ion Ratio Lower Upper
106 100
91 202.0 166.5 249.7





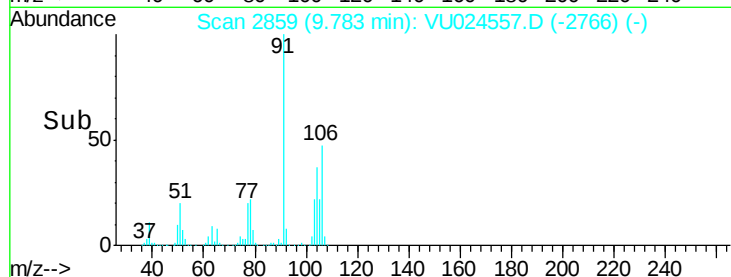
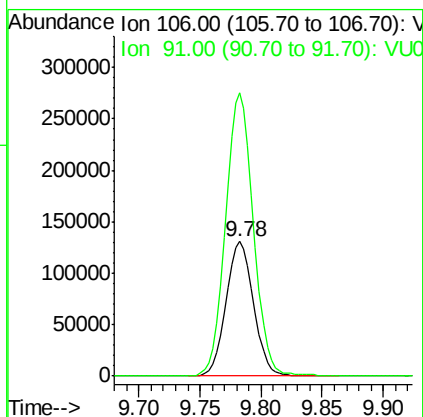
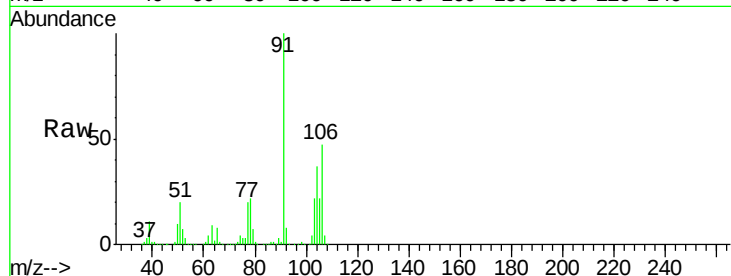
#69
o-Xylene
Concen: 47.294 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	110.7	331.9

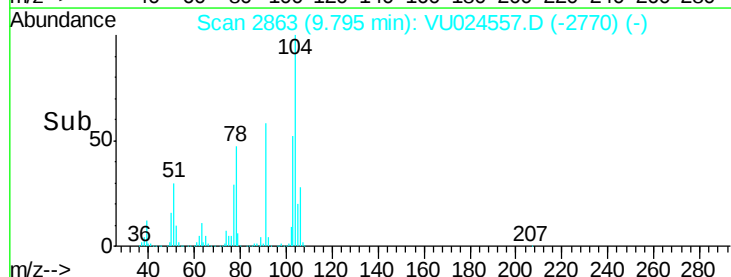
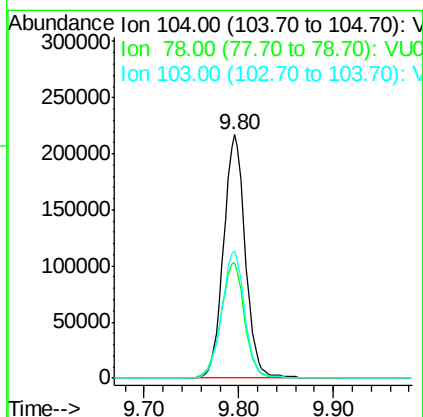
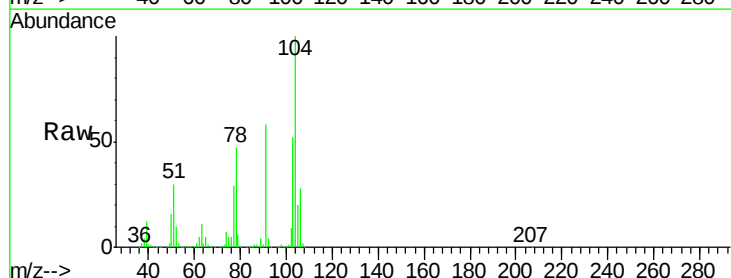
Manual Integrations
APPROVED

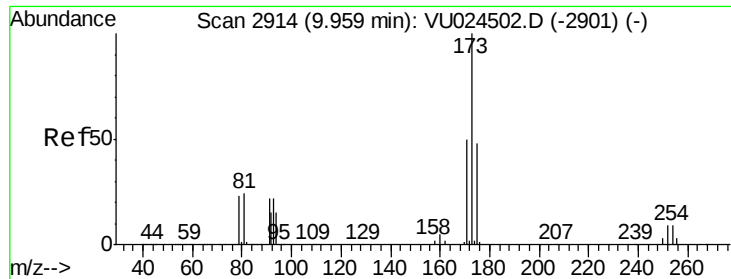
apatel
6/15/2018 3:29:46 PM



#70
Styrene
Concen: 48.155 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.6	60.8
103	55.2	44.7	67.1





#71

Bromoform

Concen: 47.064 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 111908

Ion Ratio Lower Upper

173 100

175 48.5 24.6 74.0

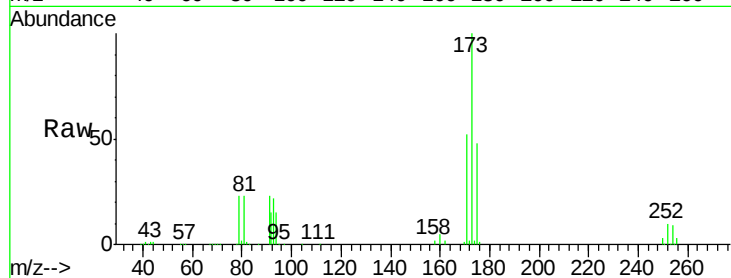
254 0.0 0.0 0.0#

Manual Integrations

APPROVED

apatel

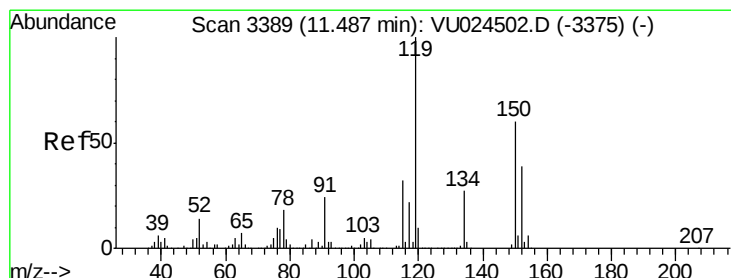
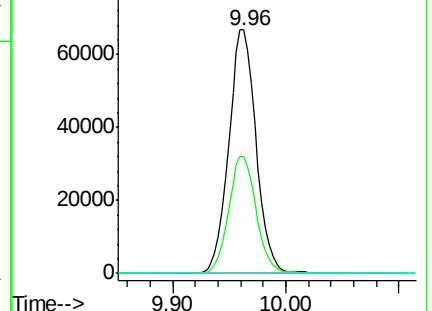
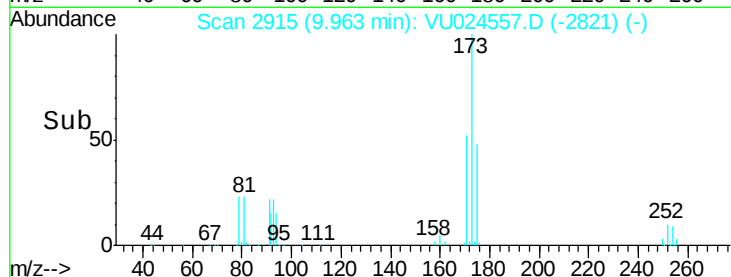
6/15/2018 3:29:46 PM



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: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

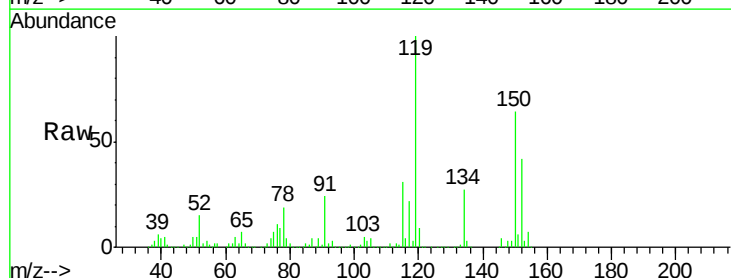
Tgt Ion:152 Resp: 156411

Ion Ratio Lower Upper

152 100

115 81.7 43.0 129.0

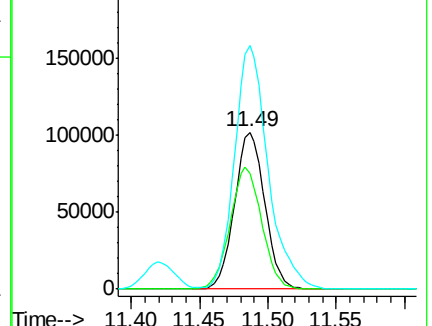
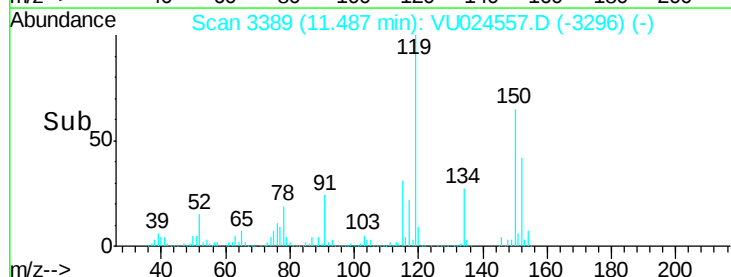
150 173.2 0.0 354.0



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: 45.782 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 549779

Ion Ratio Lower Upper

105 100

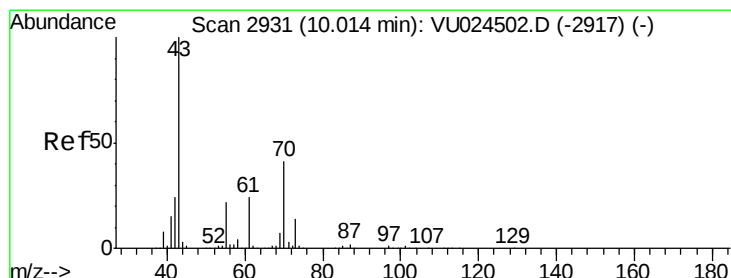
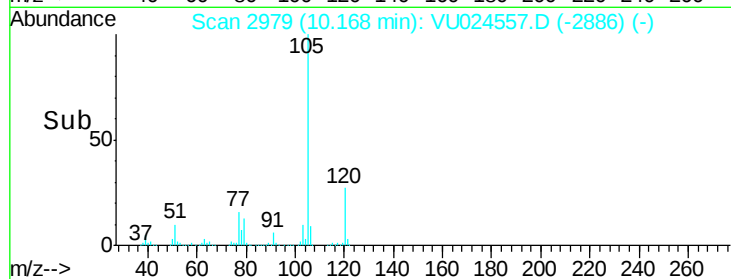
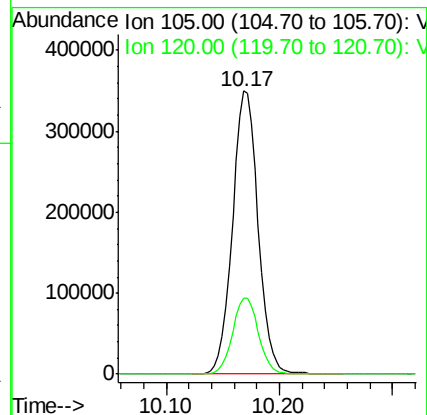
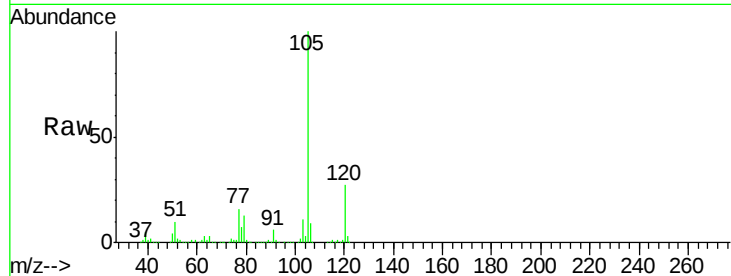
120 27.4 13.2 39.6

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



#74

N-ethyl acetate

Concen: 47.075 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion: 43 Resp: 268886

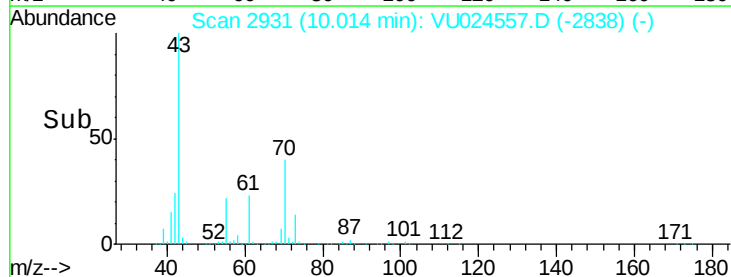
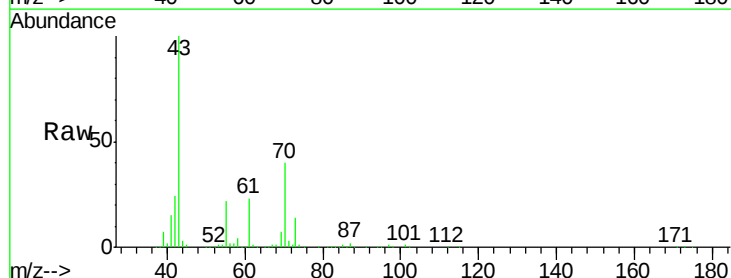
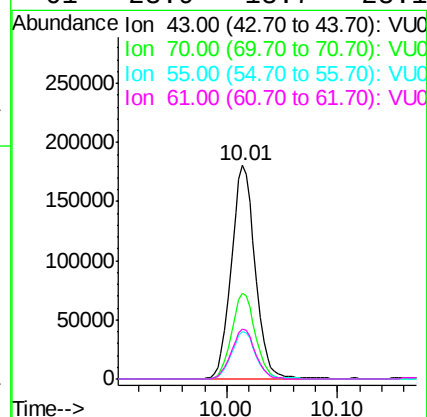
Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.4

55 22.2 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.929 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 192870

Ion Ratio Lower Upper

83 100

131 10.2 4.7 14.1

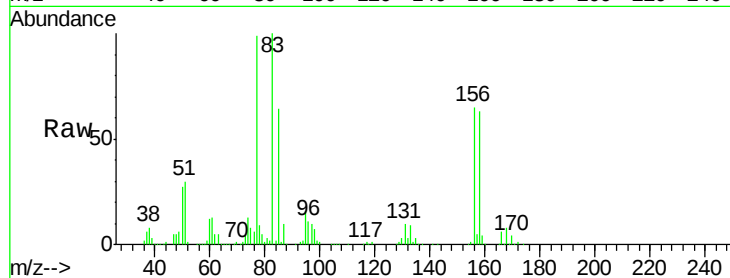
85 65.0 32.5 97.5

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM

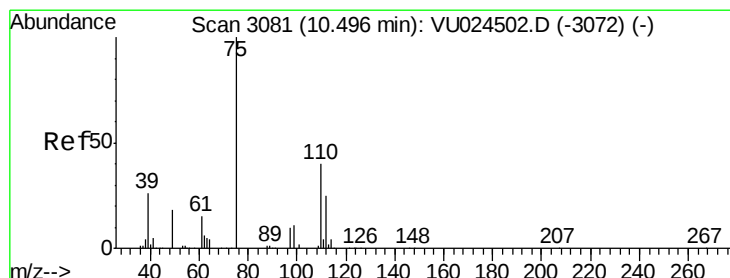
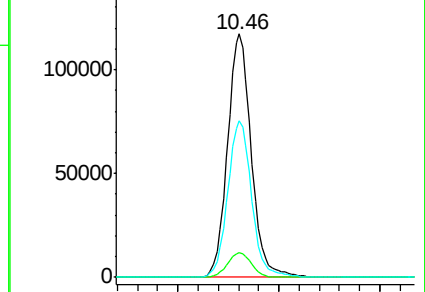
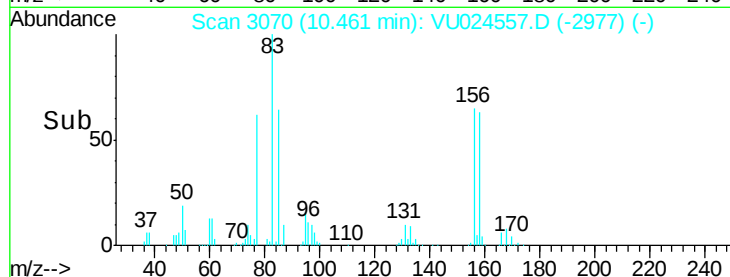


Abundance Ion 82.90 (82.60 to 83.60): VU024557.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU024557.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024557.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.161 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024557.D

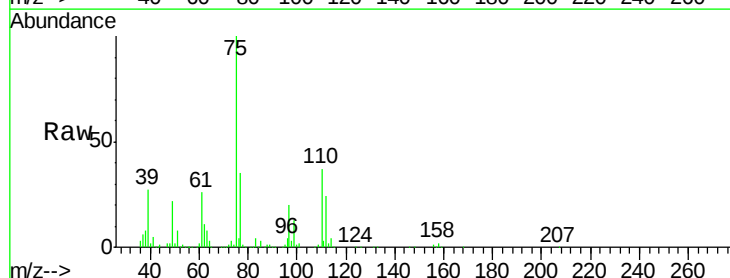
Acq: 14 Jun 2018 22:17

Tgt Ion: 75 Resp: 158961

Ion Ratio Lower Upper

75 100

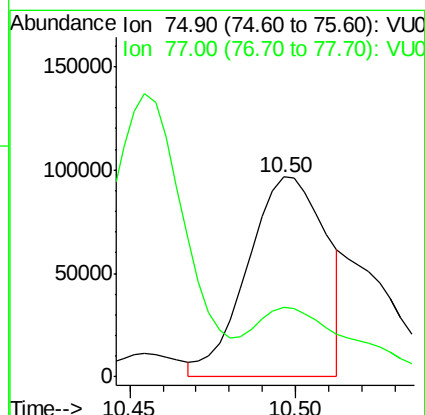
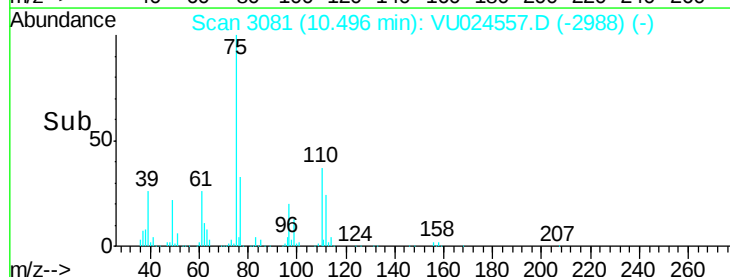
77 43.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU024557.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024557.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 46.412 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

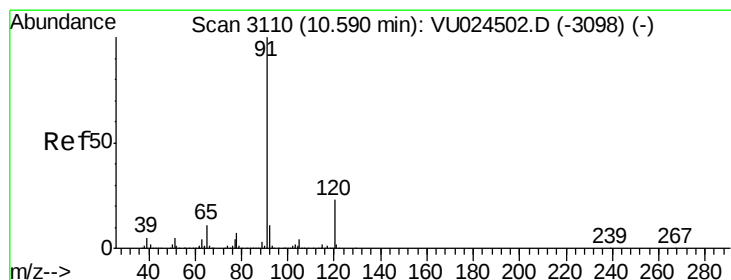
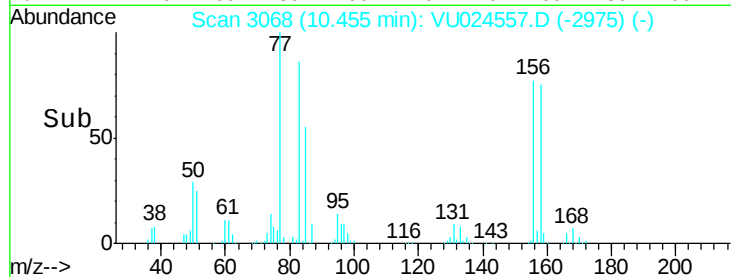
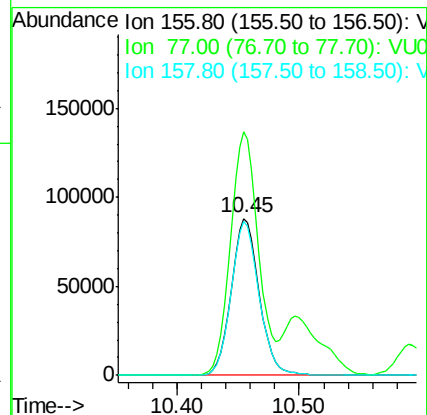
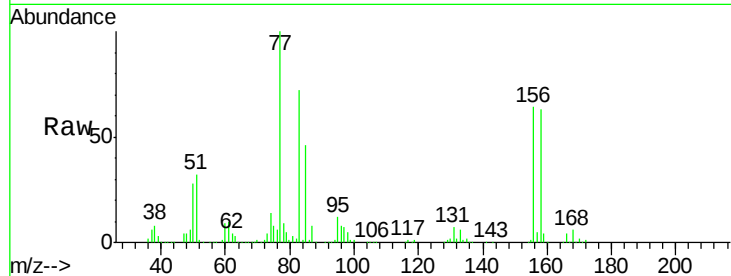
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.9	80.5	241.3
158	98.0	48.2	144.6

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#78

n-propylbenzene

Concen: 46.035 ug/l

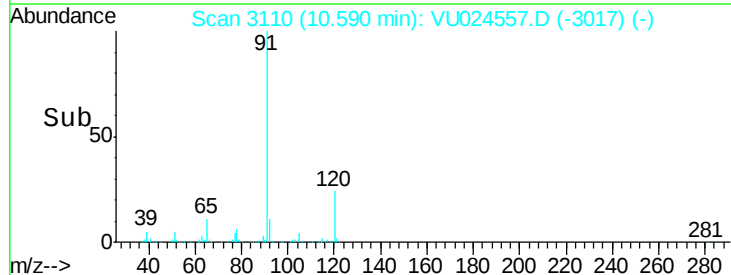
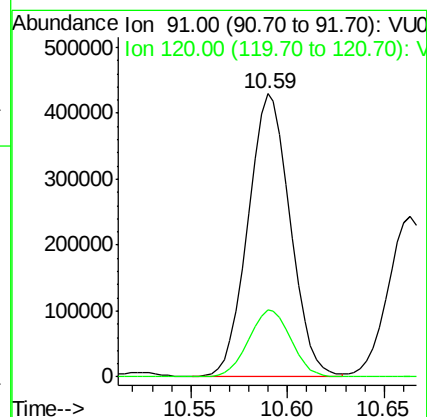
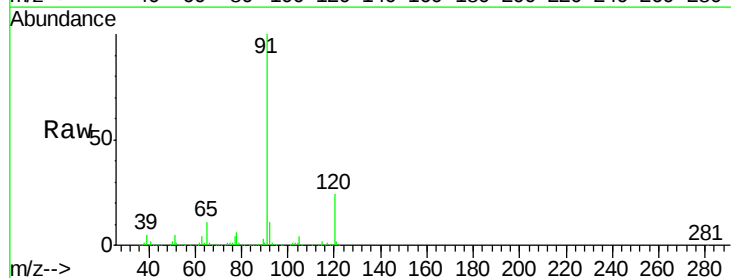
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 46.031 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 383992

Ion Ratio Lower Upper

91 100

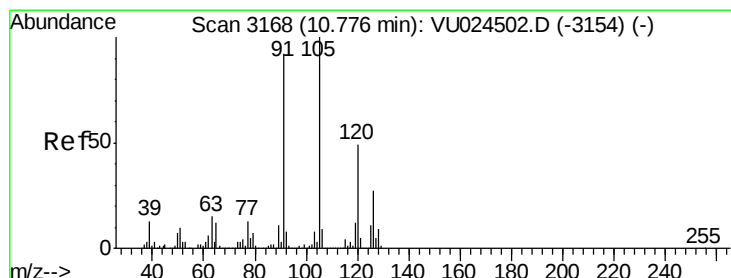
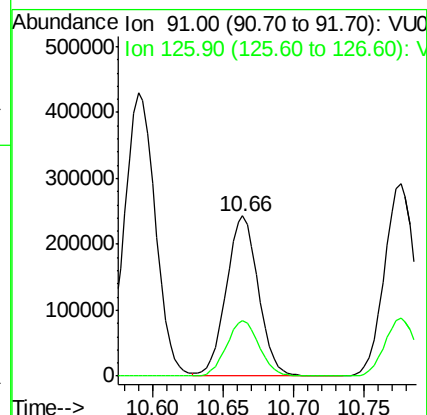
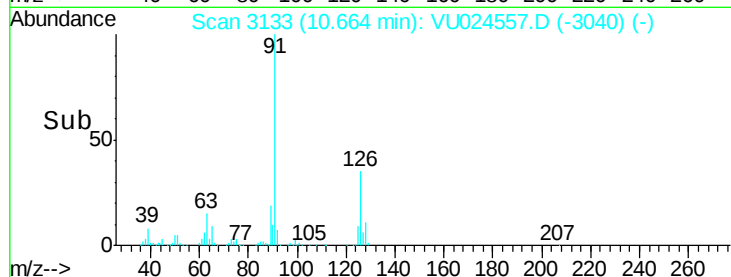
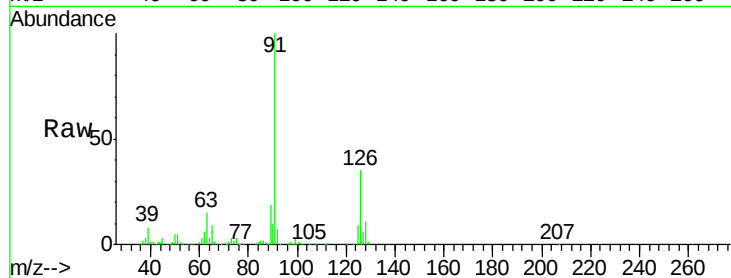
126 35.2 16.9 50.7

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



#80

1,3,5-Trimethylbenzene

Concen: 45.542 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024557.D

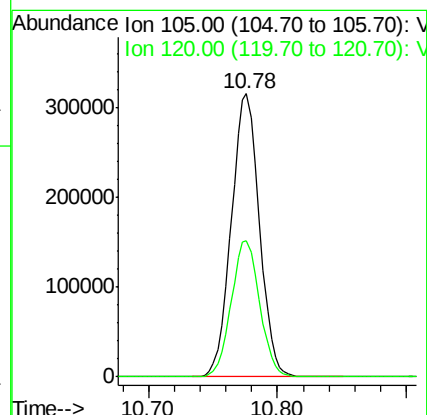
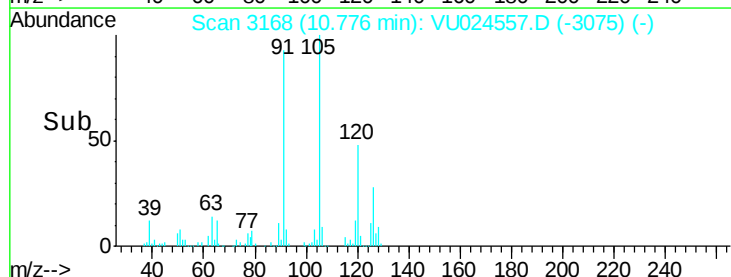
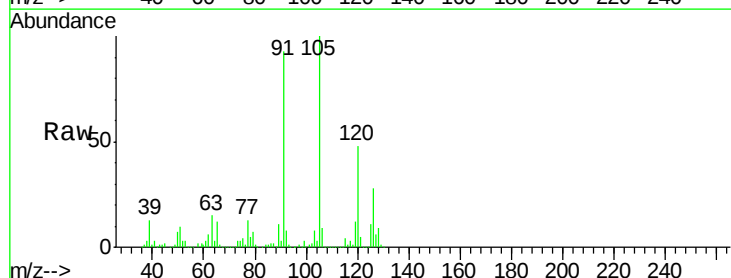
Acq: 14 Jun 2018 22:17

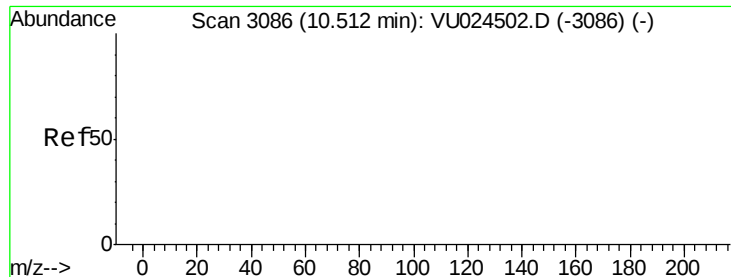
Tgt Ion: 105 Resp: 474022

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 42.801 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU024557.D

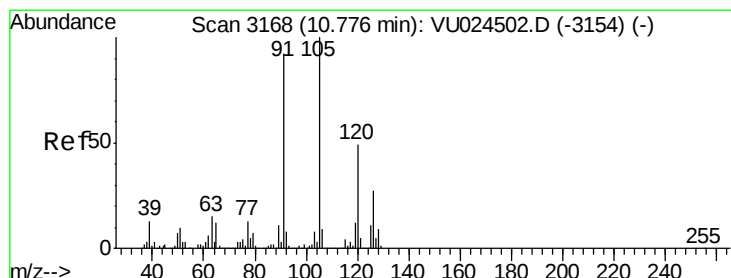
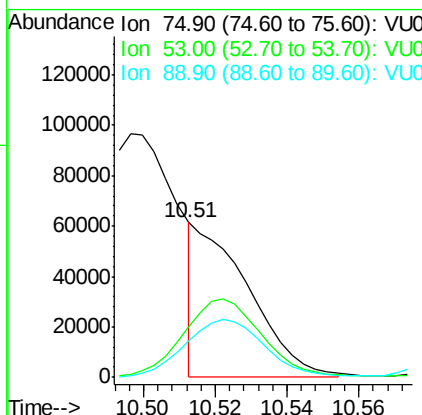
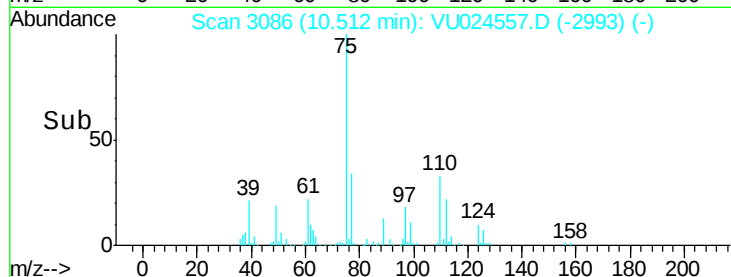
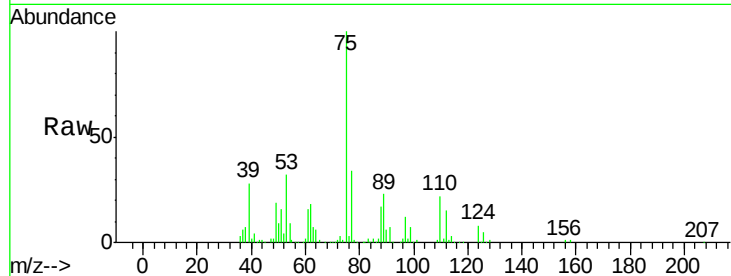
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#82

4-Chlorotoluene

Concen: 46.664 ug/l

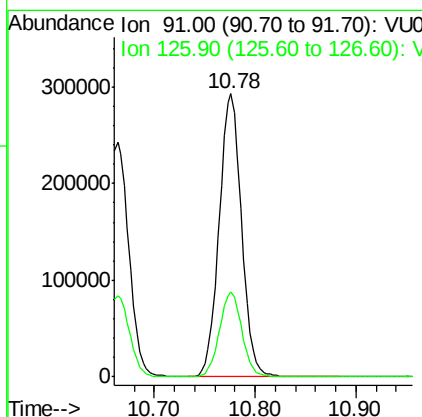
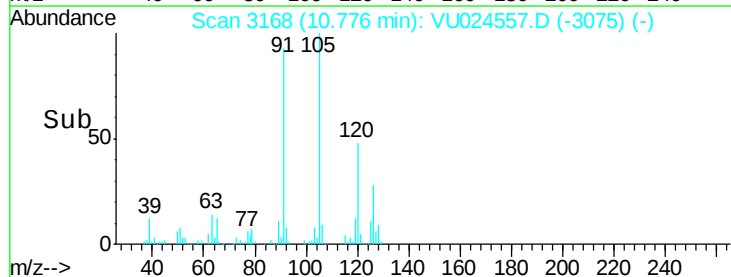
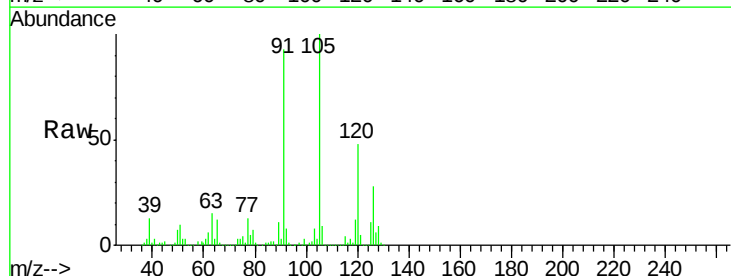
RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





#83

tert-Butylbenzene

Concen: 46.748 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

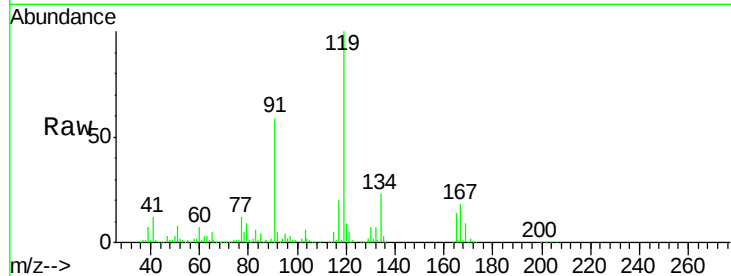
ClientSampleId :

VSTDCCC050

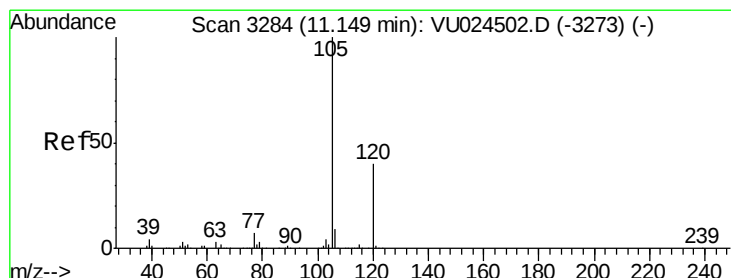
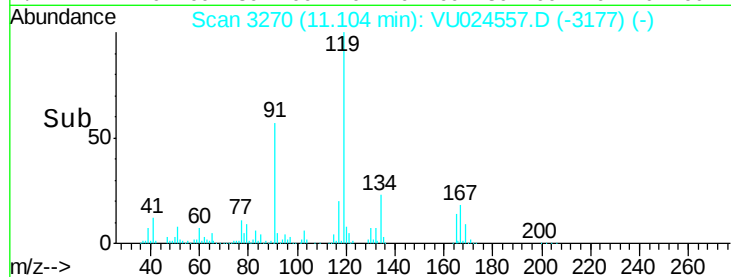
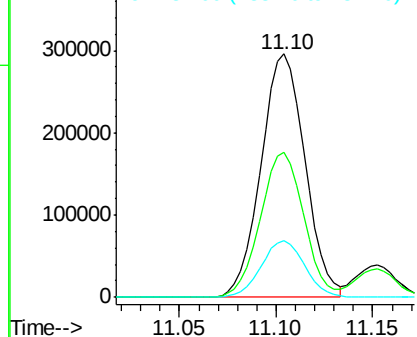
Tot Ion:	119	Resp:	468049
Ion Ratio	Lower	Upper	
119	100		
91	59.0	29.7	89.1
134	22.9	11.6	34.7

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.822 ug/l

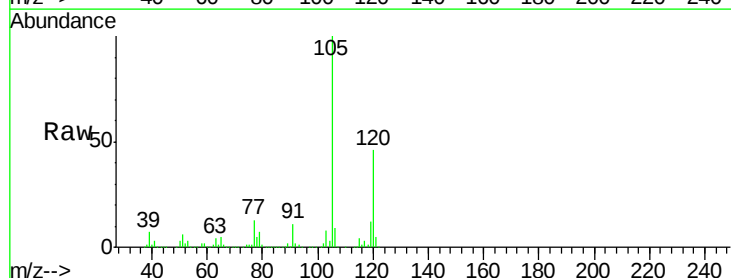
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

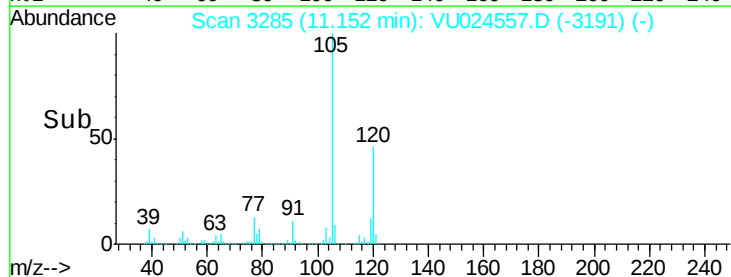
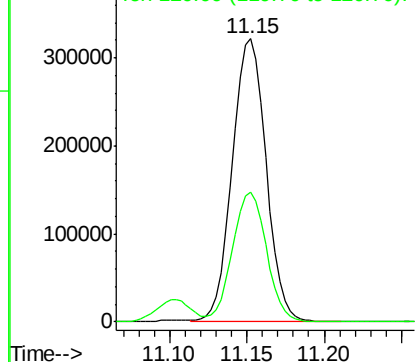
Lab File: VU024557.D

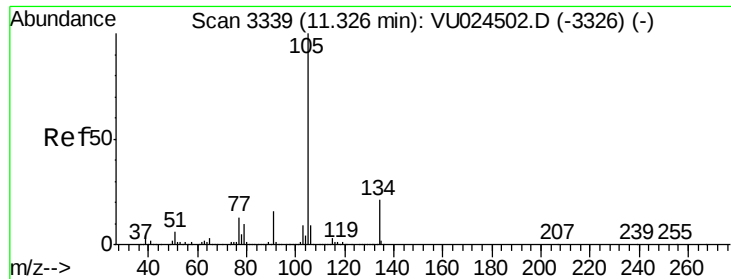
Acq: 14 Jun 2018 22:17

Tgt Ion:	105	Resp:	486042
Ion Ratio	Lower	Upper	
105	100		
120	46.3	22.6	67.8



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





#85

sec-Butylbenzene

Concen: 46.223 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 579284

Ion Ratio Lower Upper

105 100

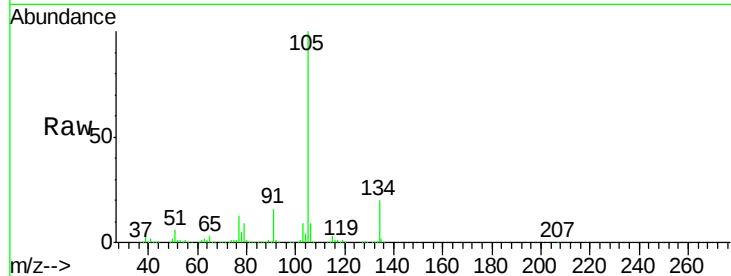
134 20.5 9.7 29.1

Manual Integrations

APPROVED

apatel

6/15/2018 3:29:46 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

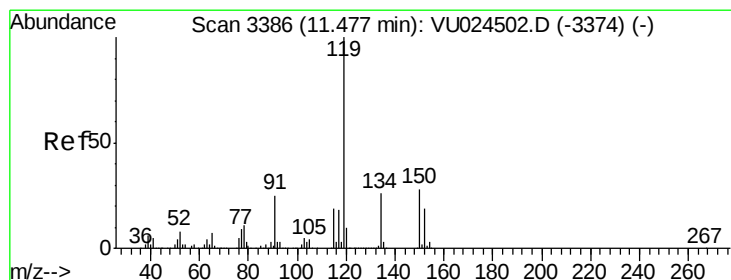
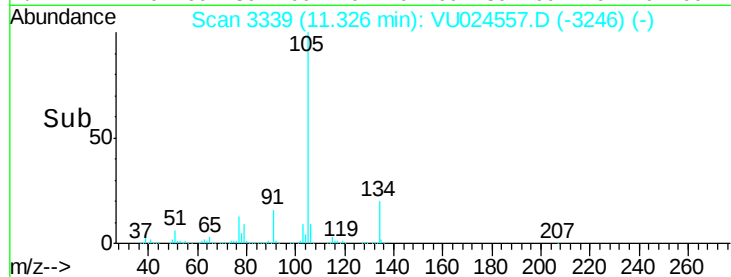
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.676 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

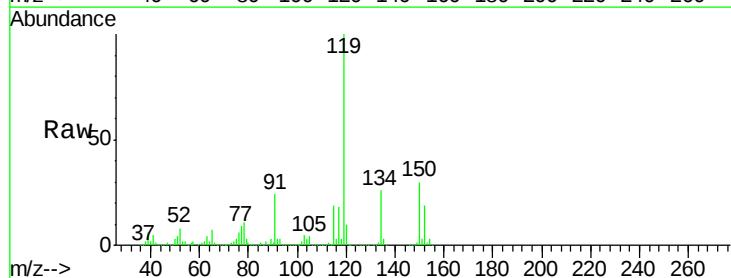
Tgt Ion:119 Resp: 512681

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

91 24.3 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

11.48

400000

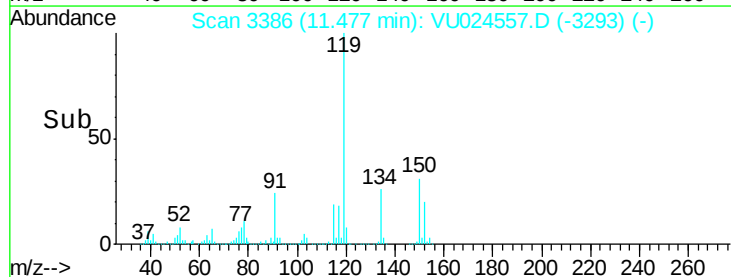
300000

200000

100000

0

Time-->





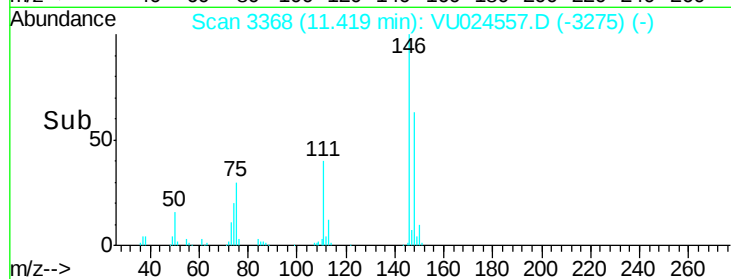
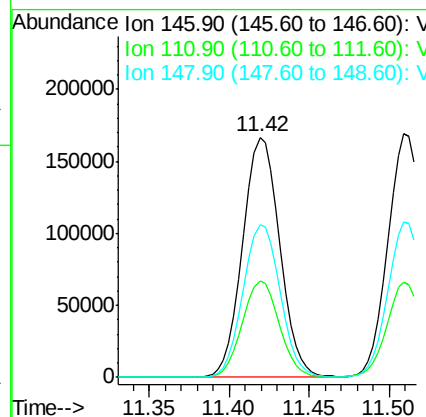
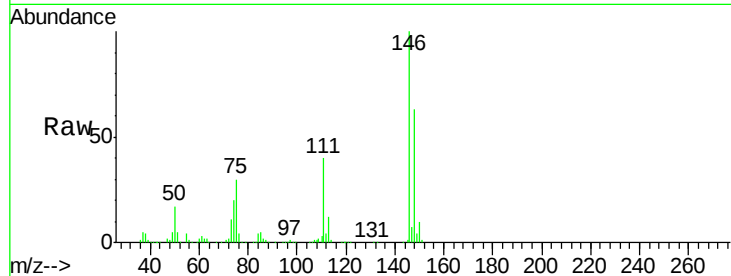
#87
 1,3-Dichlorobenzene
 Concen: 46.848 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.0	32.1	96.5

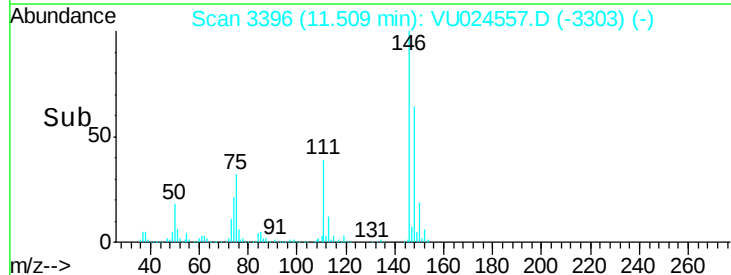
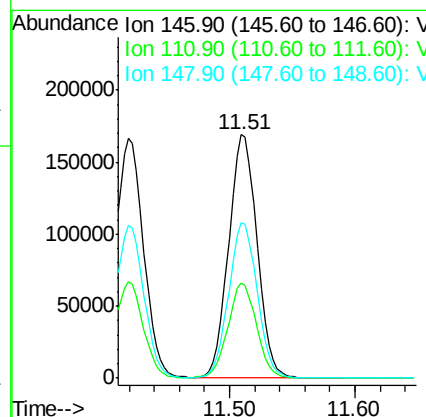
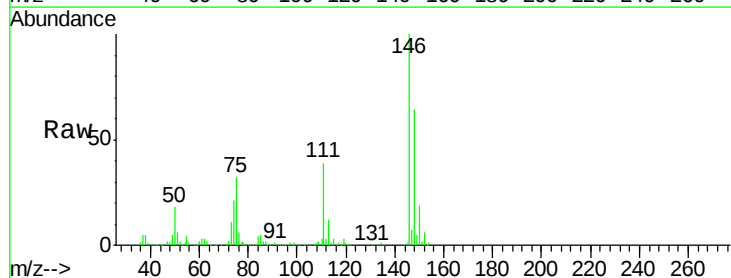
Manual Integrations
 APPROVED

apatel
 6/15/2018 3:29:46 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.000 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	63.9	32.4	97.0





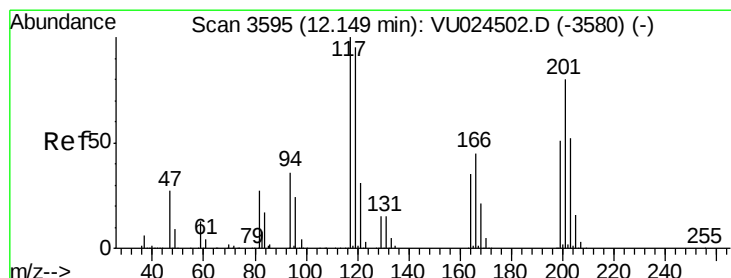
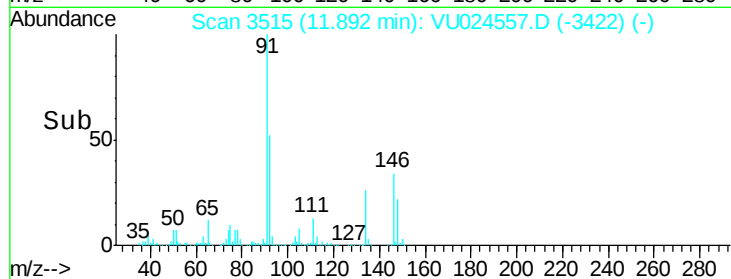
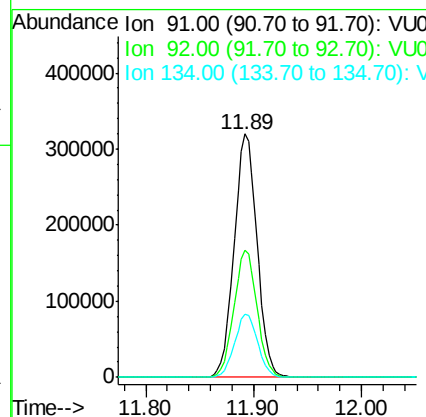
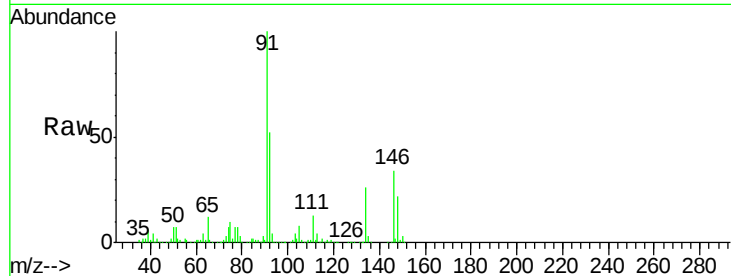
#89
n-Butylbenzene
Concen: 47.612 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.0	12.3	36.8

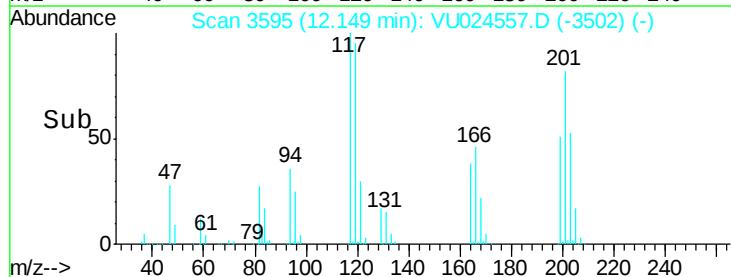
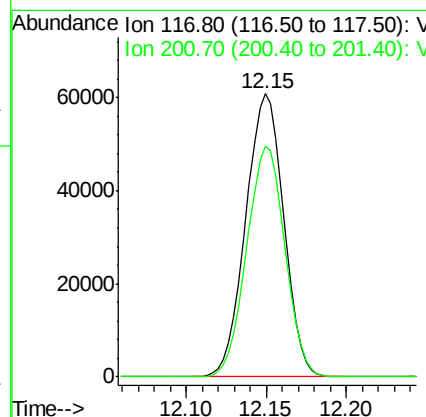
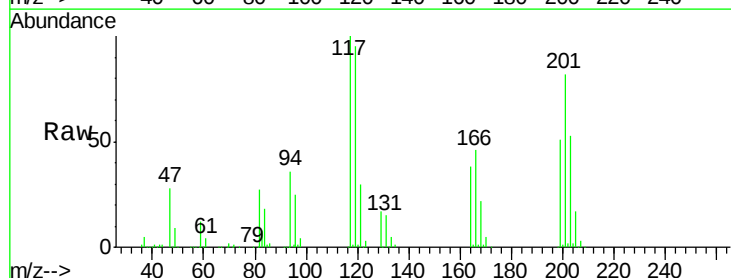
Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#90
Hexachloroethane
Concen: 45.126 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024557.D
Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 46.755 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

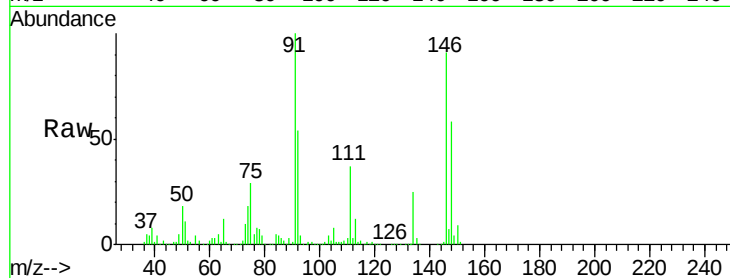
ClientSampleId :

VSTDCCC050

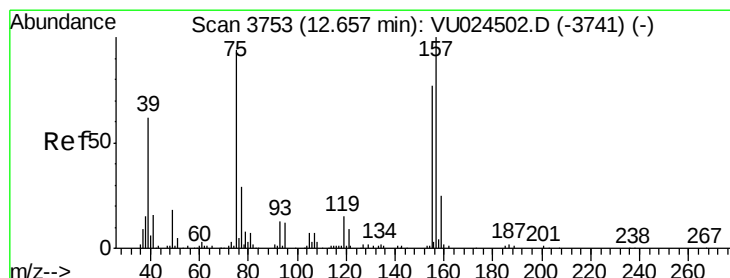
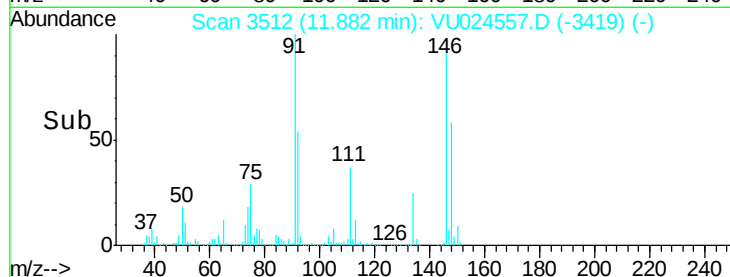
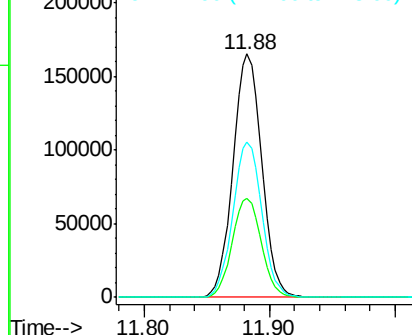
Tot Ion:	146	Resp:	263032
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.5	61.6
148	64.2	31.9	95.7

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.635 ug/l

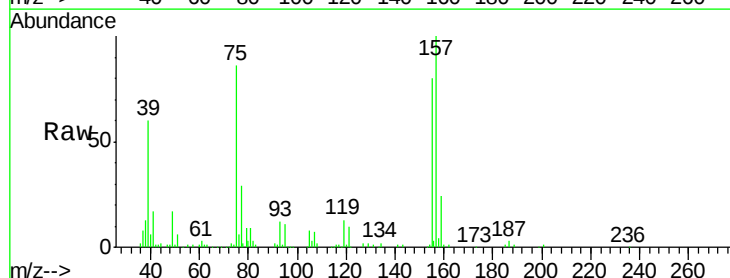
RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

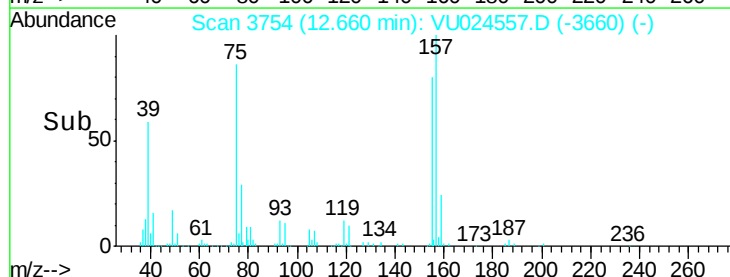
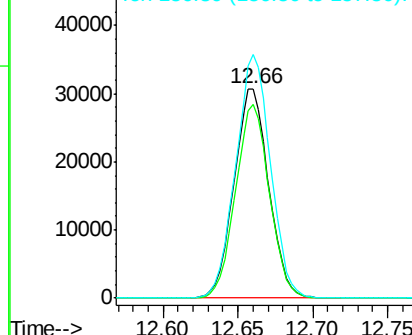
Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	75	Resp:	49561
Ion Ratio	Lower	Upper	
75	100		
155	90.6	40.4	121.2
157	116.5	52.3	156.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





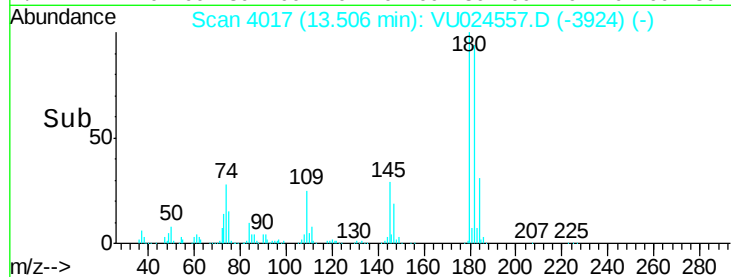
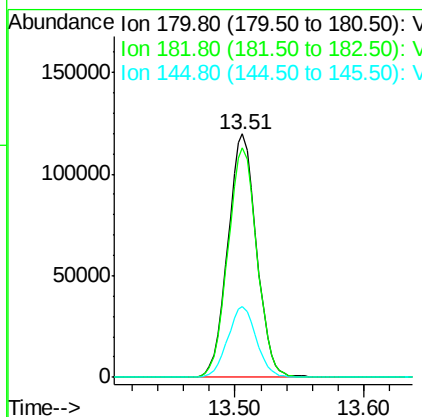
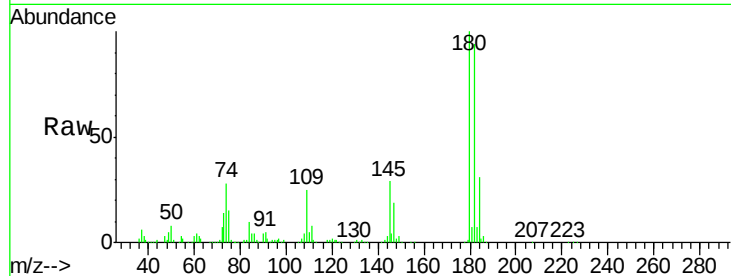
#93
 1,2,4-Trichlorobenzene
 Concen: 53.069 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184366		
182	95.6	48.0	144.2	
145	29.3	14.7	44.1	

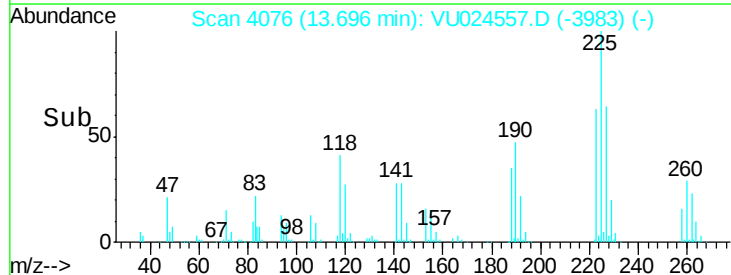
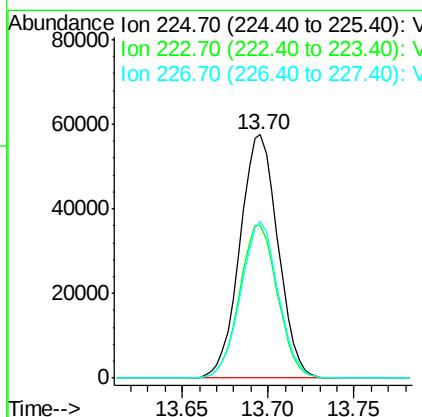
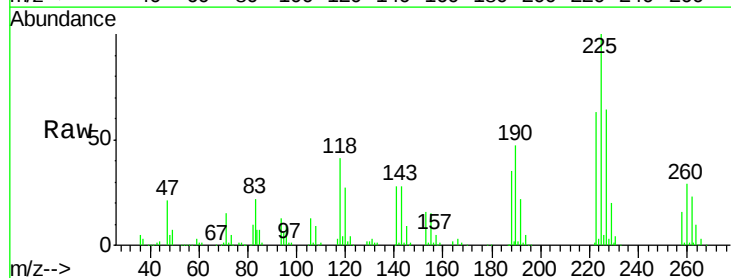
Manual Integrations
 APPROVED

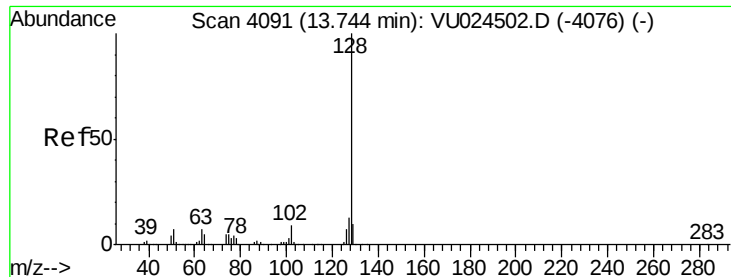
apatel
 6/15/2018 3:29:46 PM



#94
 Hexachlorobutadiene
 Concen: 45.236 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024557.D
 Acq: 14 Jun 2018 22:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88453		
223	62.8	31.3	93.8	
227	63.3	31.8	95.4	





#95

Naphthalene

Concen: 48.601 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Instrument :

MSVOA_U

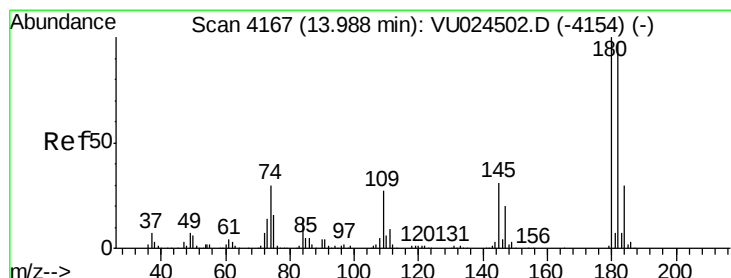
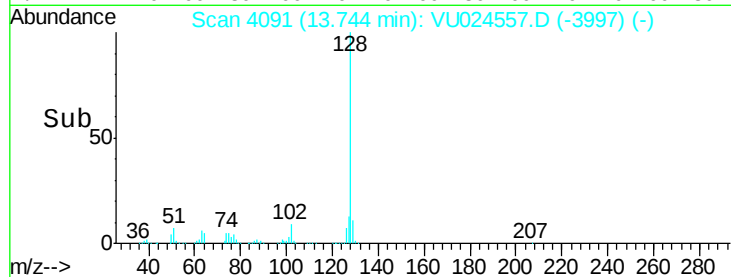
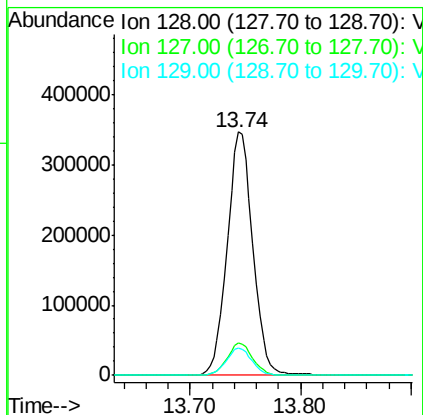
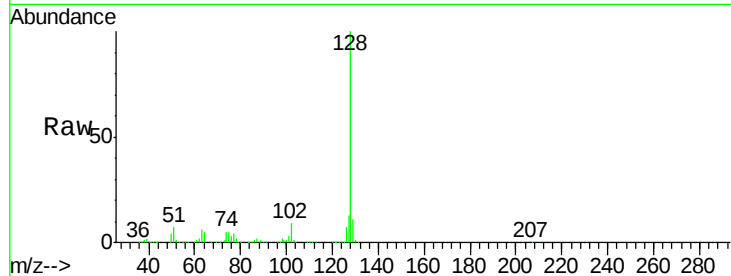
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	558735
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.1	8.6	12.8

Manual Integrations
APPROVED

apatel
6/15/2018 3:29:46 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.843 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024557.D

Acq: 14 Jun 2018 22:17

Tgt Ion:	180	Resp:	186389
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.7
145	31.0	15.4	46.1

