

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049211.D
 Acq On : 13 Jun 2018 20:10
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 6/14/2018 5:07:07 PM

Quant Time: Jun 14 04:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	735656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1240178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1054223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304938	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	12004	1.11	ug/l	99
3) Chloromethane	2.06	50	13322	1.20	ug/l #	87
4) Vinyl Chloride	2.18	62	12208	1.10	ug/l	96
5) Bromomethane	2.57	94	10043	1.65	ug/l	93
6) Chloroethane	2.71	64	9023	1.27	ug/l	93
7) Trichlorofluoromethane	3.01	101	17796	1.18	ug/l	88
8) Diethyl Ether	3.40	74	6782	1.28	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	12538	1.36	ug/l #	58
12) 1,1-Dichloroethene	3.73	96	10253	1.21	ug/l	89
14) Allyl chloride	4.33	41	18600	1.15	ug/l	95
15) Acrylonitrile	5.00	53	16529	4.63	ug/l #	80
16) Acetone	3.82	43	18632	6.73	ug/l	99
17) Carbon Disulfide	4.05	76	40757	1.46	ug/l	98
18) Methyl Acetate	4.33	43	25395	2.84	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	25303m	1.01	ug/l	
20) Methylene Chloride	4.55	84	15360	1.49	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	12410m	1.29	ug/l	
22) Diisopropyl ether	5.96	45	33336	0.97	ug/l #	88
23) Vinyl Acetate	5.90	43	105456	4.50	ug/l	100
24) 1,1-Dichloroethane	5.85	63	23992	1.23	ug/l #	94
25) 2-Butanone	6.84	43	21621	5.15	ug/l #	83
26) 2,2-Dichloropropane	6.83	77	17624	1.14	ug/l #	72
27) cis-1,2-Dichloroethene	6.84	96	11845	1.10	ug/l	99
28) Bromochloromethane	7.19	49	10715	1.26	ug/l #	100
29) Tetrahydrofuran	7.22	42	13686	5.08	ug/l	89
30) Chloroform	7.37	83	22719	1.19	ug/l	100
31) Cyclohexane	7.66	56	32632m	1.81	ug/l	
32) 1,1,1-Trichloroethane	7.57	97	19739	1.21	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	14514	0.94	ug/l	93
37) Ethyl Acetate	6.94	43	8593	0.86	ug/l #	93
38) Carbon Tetrachloride	7.77	117	16560	1.09	ug/l	89
39) Methylcyclohexane	9.08	83	15301	0.94	ug/l	89
40) Benzene	8.04	78	47132	1.01	ug/l	95
41) Methacrylonitrile	7.18	41	4712m	0.86	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049211.D
 Acq On : 13 Jun 2018 20:10
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 6/14/2018 5:07:07 PM

Quant Time: Jun 14 04:55:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.12	62	16260	1.07	ug/l	97
43) Isopropyl Acetate	8.17	43	15794	0.83	ug/l #	87
44) Trichloroethene	8.84	130	13205	1.16	ug/l	87
45) 1,2-Dichloropropane	9.12	63	13390	1.05	ug/l #	88
46) Dibromomethane	9.21	93	7565	1.07	ug/l	98
47) Bromodichloromethane	9.40	83	16588	1.05	ug/l #	98
48) Methyl methacrylate	9.20	41	8170	0.90	ug/l	91
49) 1,4-Dioxane	9.21	88	2456	24.15	ug/l #	72
51) 4-Methyl-2-Pentanone	9.99	43	40891	4.08	ug/l	97
52) Toluene	10.16	92	25258	0.91	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	13410	0.85	ug/l #	79
54) cis-1,3-Dichloropropene	9.84	75	15877	0.87	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	10230	1.03	ug/l	97
56) Ethyl methacrylate	10.43	69	8868	0.69	ug/l	93
57) 1,3-Dichloropropane	10.71	76	16670	0.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	12228	2.87	ug/l	95
59) 2-Hexanone	10.76	43	23985	3.72	ug/l	94
60) Dibromochloromethane	10.90	129	10715	0.97	ug/l	96
61) 1,2-Dibromoethane	11.01	107	9340	1.00	ug/l	96
64) Tetrachloroethene	10.63	164	12119	1.19	ug/l	95
65) Chlorobenzene	11.44	112	28767	1.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	11611	1.15	ug/l #	62
67) Ethyl Benzene	11.51	91	43074	0.89	ug/l	96
68) m/p-Xylenes	11.63	106	27861	1.55	ug/l	98
69) o-Xylene	11.95	106	12861	0.75	ug/l	91
70) Styrene	11.97	104	19256	0.69	ug/l	95
71) Bromoform	12.13	173	6060	0.92	ug/l #	93
73) Isopropylbenzene	12.25	105	34923	1.24	ug/l	100
74) N-amyl acetate	12.08	43	9417	1.12	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	11175	1.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	7663m	1.31	ug/l	
77) Bromobenzene	12.53	156	9975	1.50	ug/l	97
78) n-propylbenzene	12.59	91	34630	1.07	ug/l	96
79) 2-Chlorotoluene	12.68	91	24561	1.25	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	21677	0.96	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.30	75	2193	1.19	ug/l #	83
82) 4-Chlorotoluene	12.78	91	20184	1.05	ug/l	97
83) tert-Butylbenzene	13.00	119	21455	1.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	20695	0.91	ug/l	98
85) sec-Butylbenzene	13.17	105	25336	0.98	ug/l	99
86) p-Isopropyltoluene	13.29	119	17825	0.83	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	12055	1.05	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	12592m	1.14	ug/l	
89) n-Butylbenzene	13.62	91	10036	0.58	ug/l	95
90) Hexachloroethane	13.88	117	6754	1.46	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	12789	1.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1222	1.23	ug/l	96
93) 1,2,4-Trichlorobenzene	14.91	180	3803	0.87	ug/l	92
94) Hexachlorobutadiene	15.01	225	4068	1.23	ug/l	98
95) Naphthalene	15.14	128	8647	0.91	ug/l #	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
Data File : VN049211.D
Acq On : 13 Jun 2018 20:10
Operator : MD\SY
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

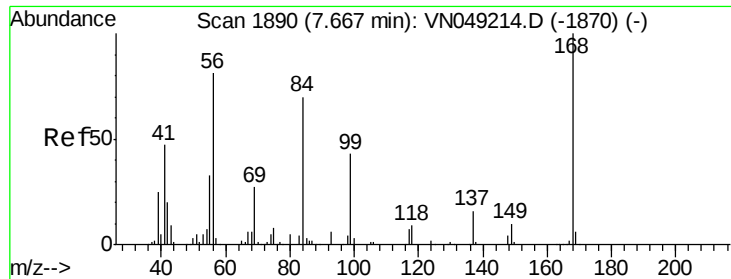
Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM

Quant Time: Jun 14 04:55:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 04:25:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	5114	1.15	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 735656

Ion Ratio Lower Upper

168 100

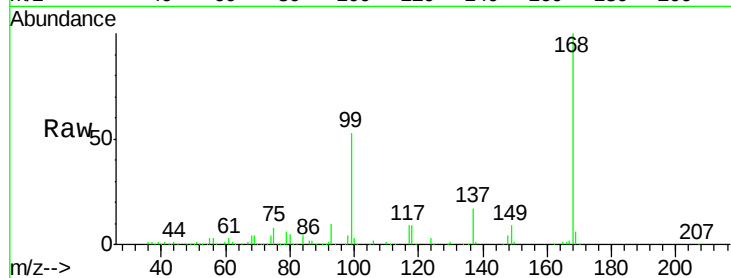
99 52.8 45.8 68.6

Manual Integrations

APPROVED

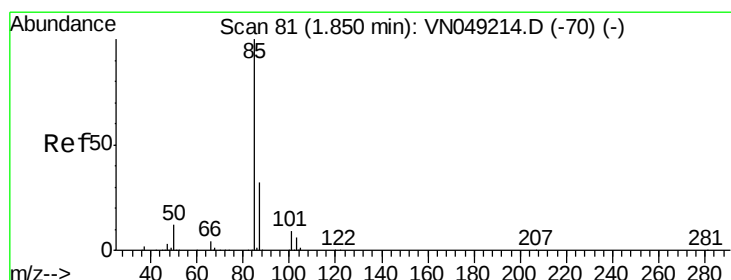
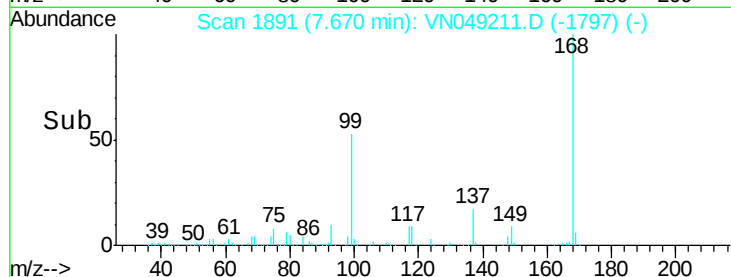
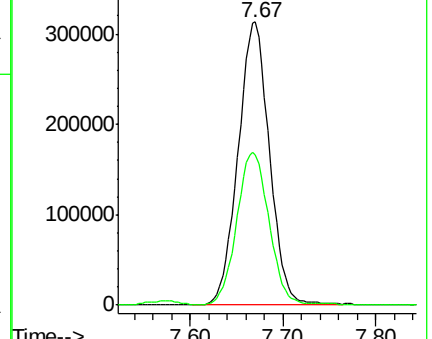
apatel

6/14/2018 5:07:07 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049211.D

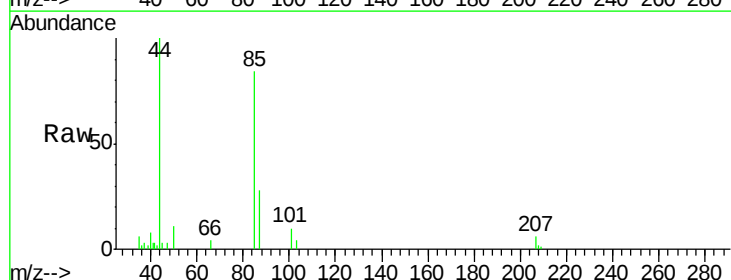
Acq: 13 Jun 2018 20:10

Tgt Ion: 85 Resp: 12004

Ion Ratio Lower Upper

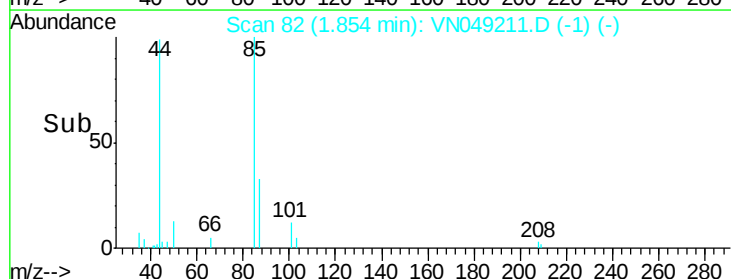
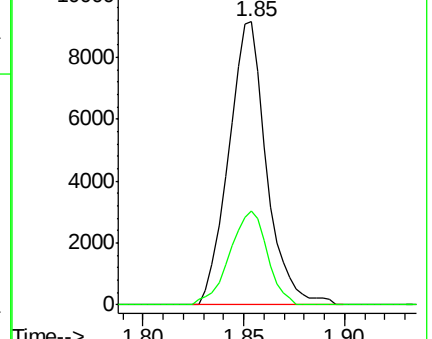
85 100

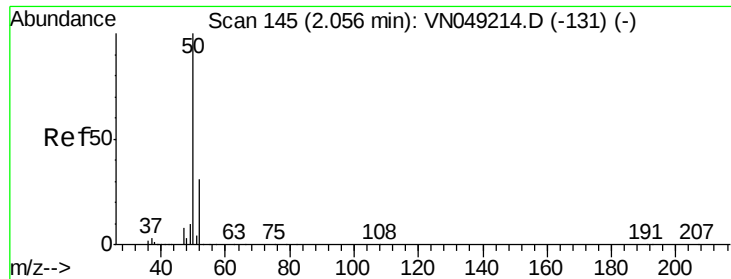
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 13322

Ion Ratio Lower Upper

50 100

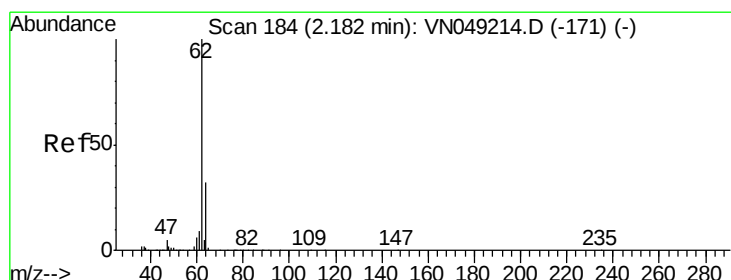
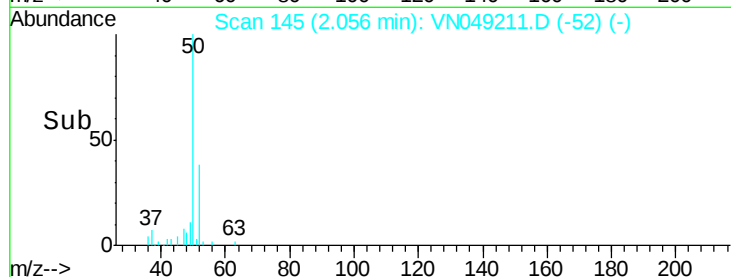
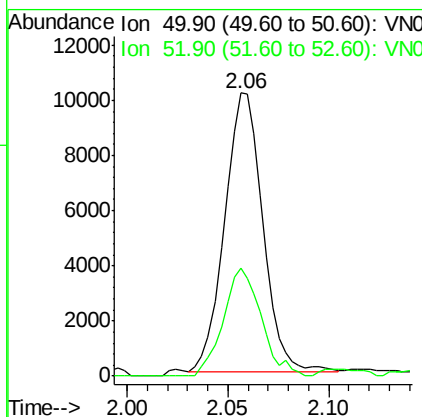
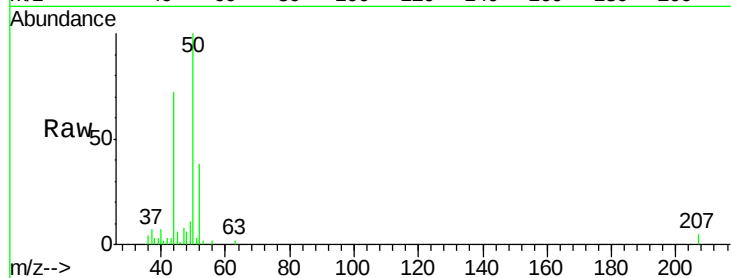
52 38.7 25.2 37.8#

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:07 PM



#4

Vinyl Chloride

Concen: 1.10 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049211.D

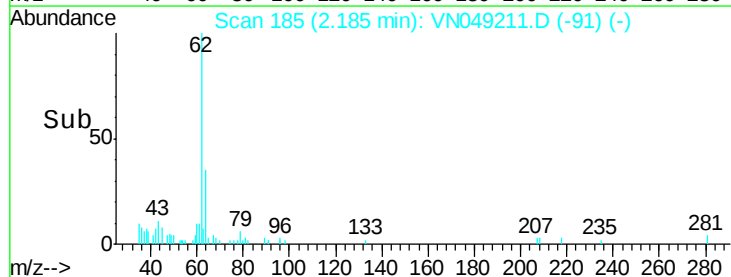
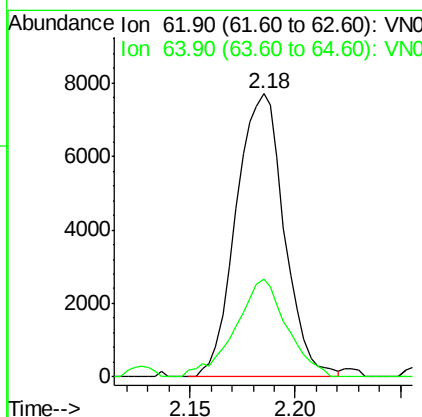
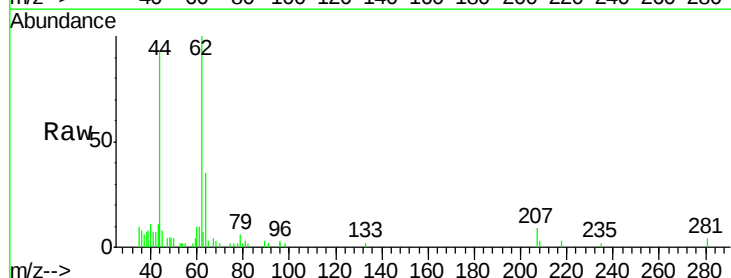
Acq: 13 Jun 2018 20:10

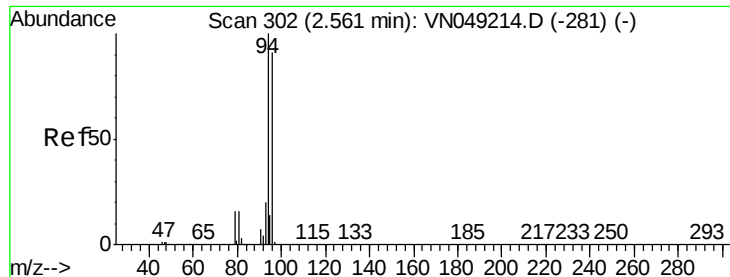
Tgt Ion: 62 Resp: 12208

Ion Ratio Lower Upper

62 100

64 34.5 25.7 38.5





#5

Bromomethane

Concen: 1.65 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 94 Resp: 10043

Ion Ratio Lower Upper

94 100

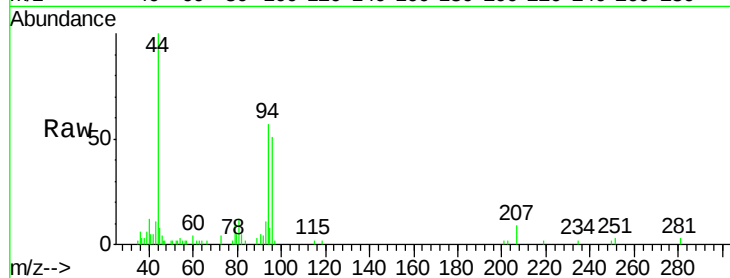
96 84.3 72.8 109.2

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:07 PM

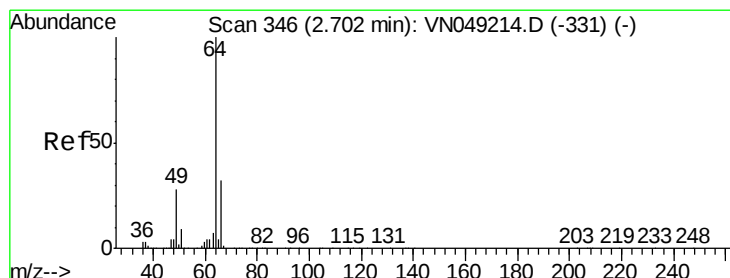
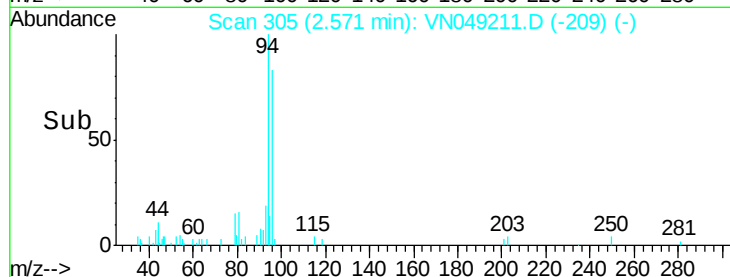


Abundance Ion 93.90 (93.60 to 94.60): VN049211.D (-281) (-)

Ion 95.90 (95.60 to 96.60): VN049211.D (-281) (-)

2.57

Time-->



#6

Chloroethane

Concen: 1.27 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049211.D

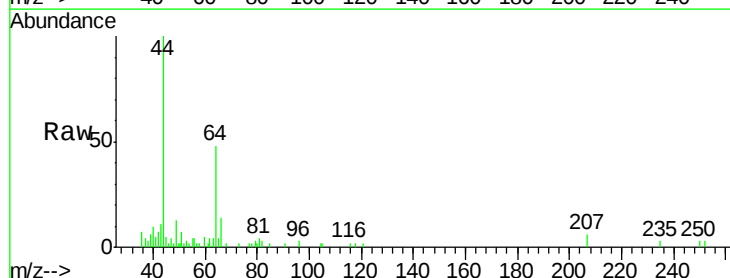
Acq: 13 Jun 2018 20:10

Tgt Ion: 64 Resp: 9023

Ion Ratio Lower Upper

64 100

66 28.4 25.6 38.4

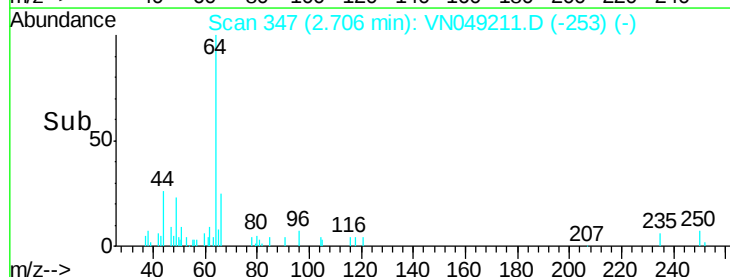


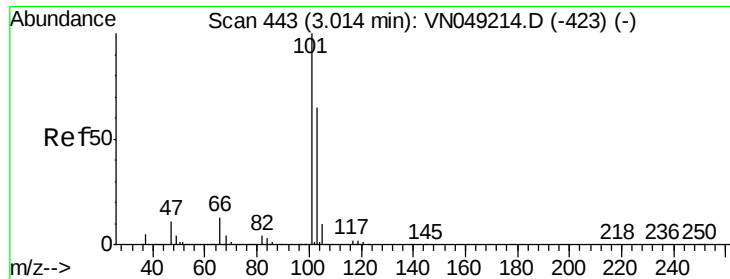
Abundance Ion 63.90 (63.60 to 64.60): VN049211.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VN049211.D (-331) (-)

2.71

Time-->





#7

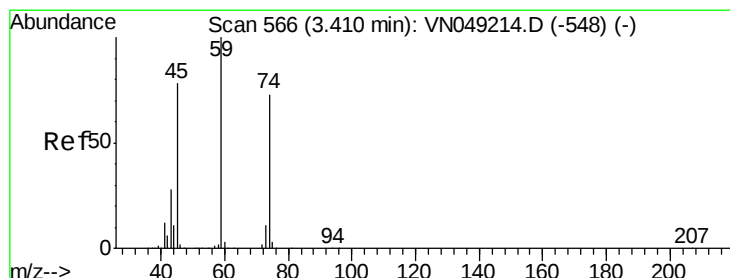
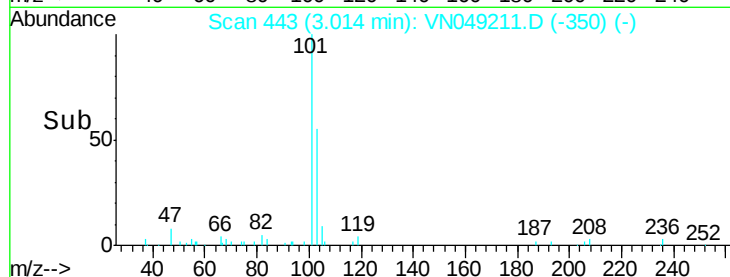
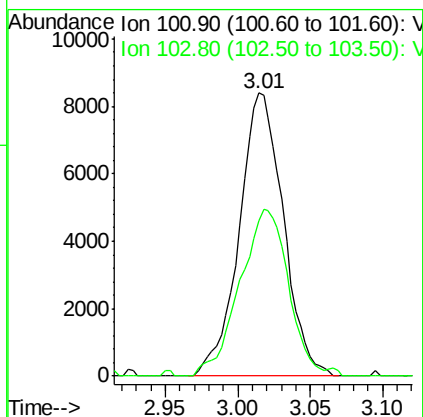
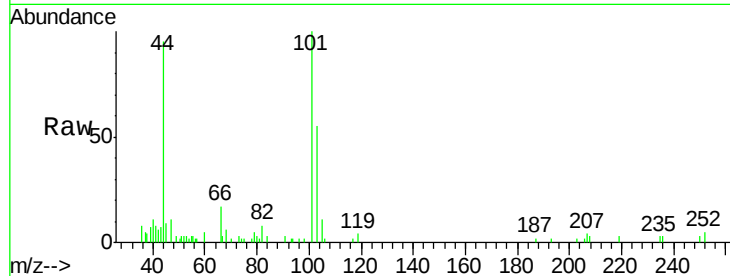
Trichlorofluoromethane
 Concen: 1.18 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	55.1	51.7	77.5

Manual Integrations
 APPROVED

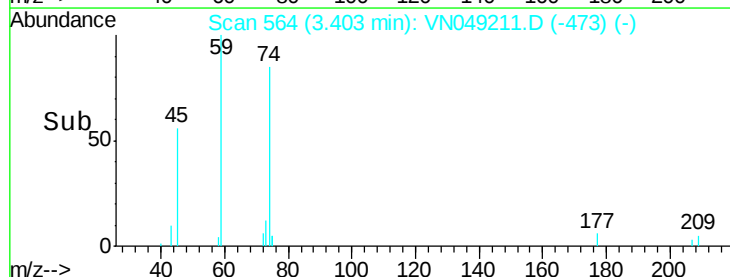
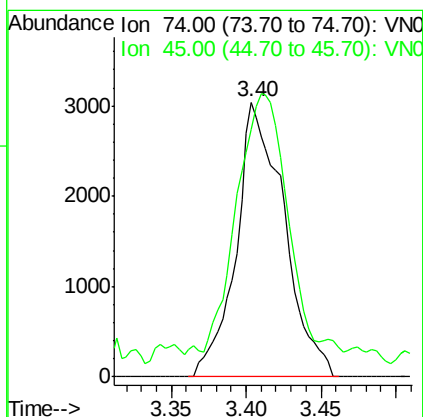
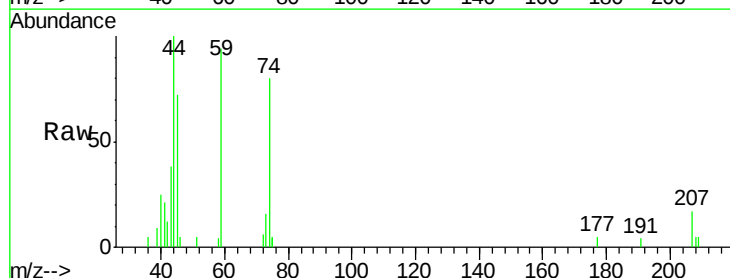
apatel
 6/14/2018 5:07:07 PM

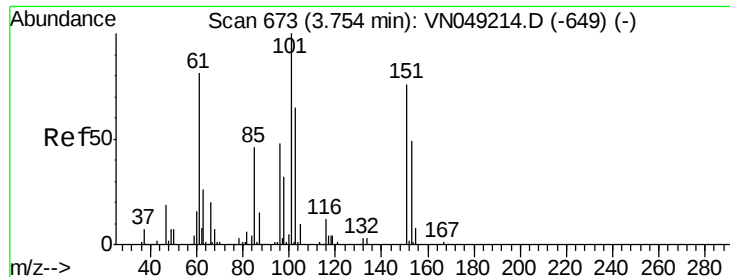


#8

Diethyl Ether
 Concen: 1.28 ug/l
 RT: 3.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.36 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

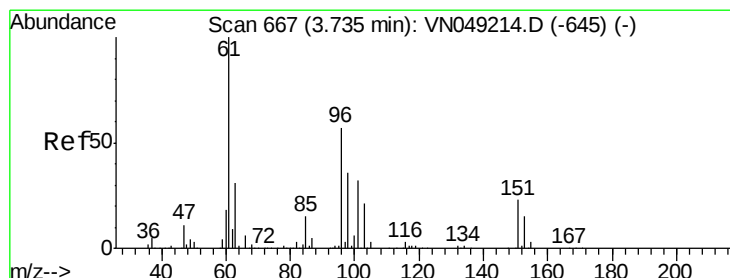
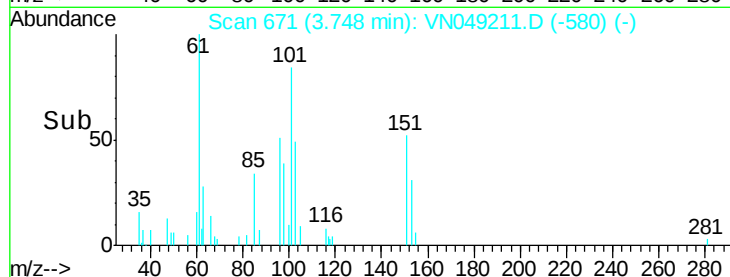
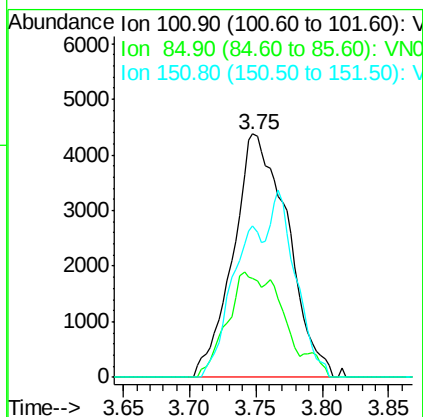
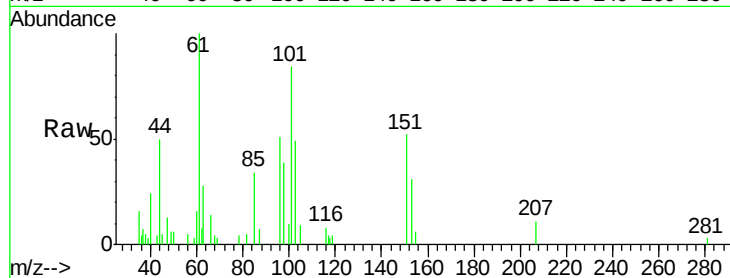
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	12538
Ion Ratio	Lower	Upper	
101	100		
85	26.2	37.6	56.4#
151	34.8	61.1	91.7#

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#12

1,1-Dichloroethene

Concen: 1.21 ug/l

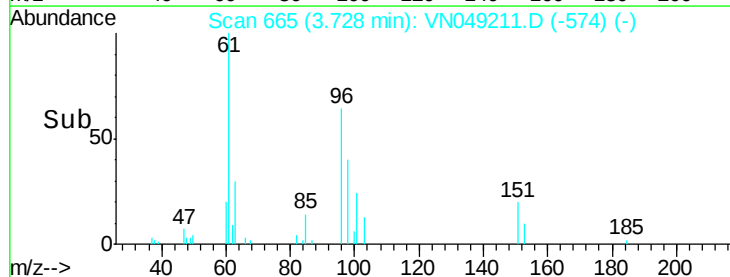
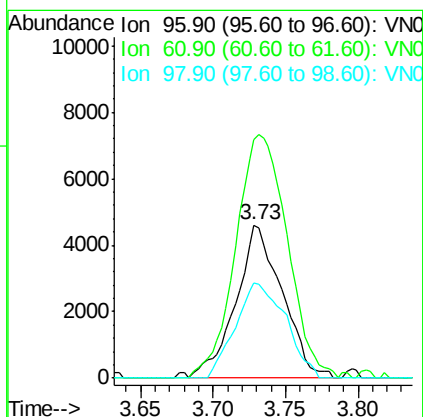
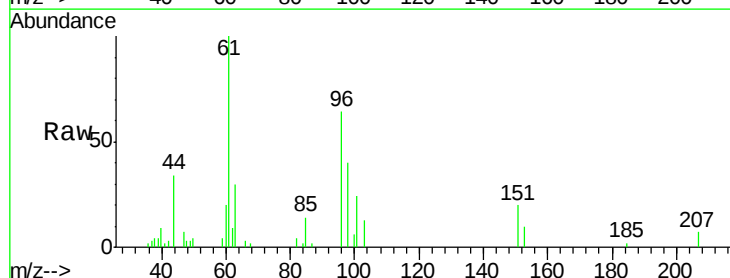
RT: 3.73 min Scan# 665

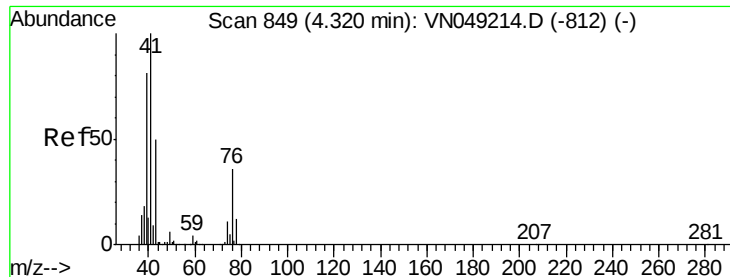
Delta R.T. -0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	96	Resp:	10253
Ion Ratio	Lower	Upper	
96	100		
61	155.8	141.0	211.4
98	62.4	50.4	75.6





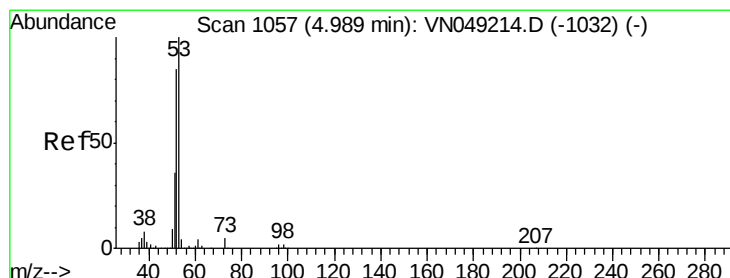
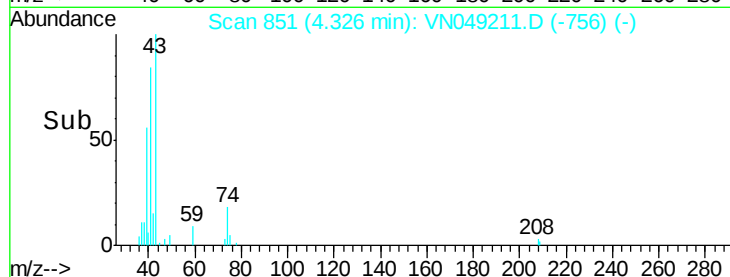
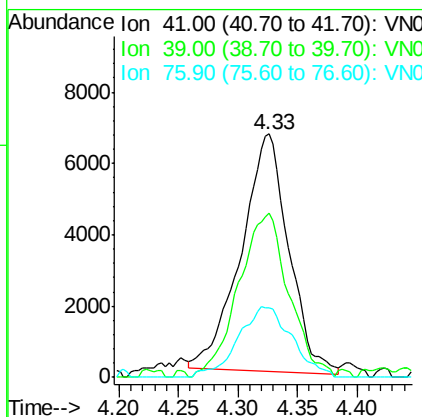
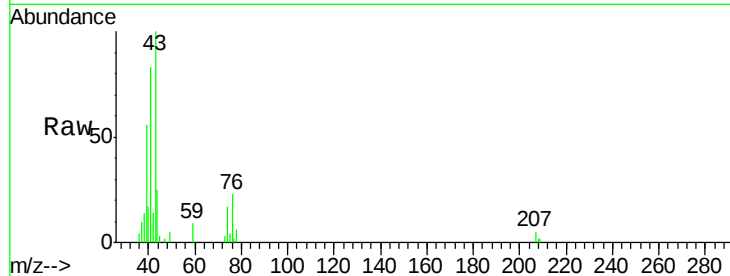
#14
Allvl chloride
Concen: 1.15 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:	41	Resp:	18600
Ion Ratio	Lower	Upper	
41	100		
39	72.6	62.5	93.7
76	33.4	27.1	40.7

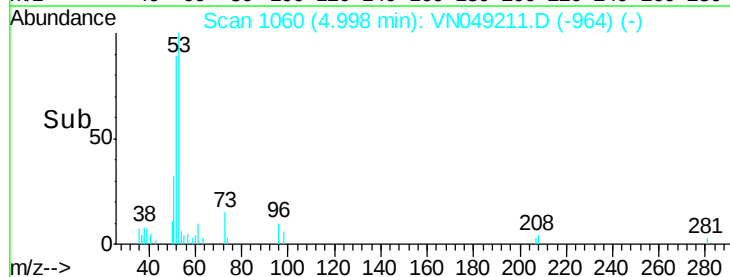
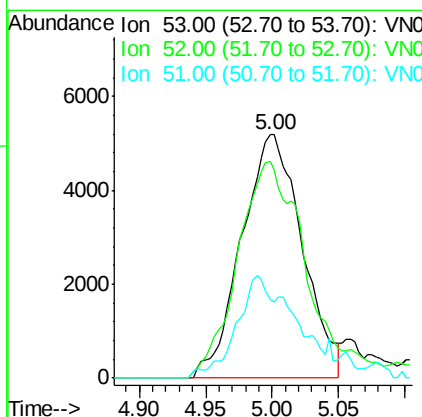
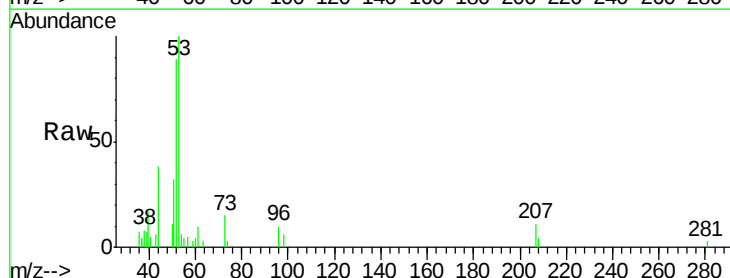
Manual Integrations
APPROVED

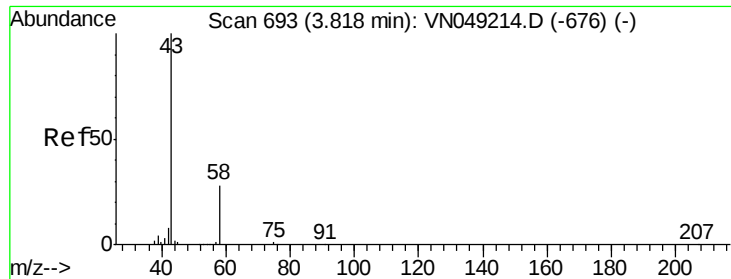
apatel
6/14/2018 5:07:07 PM



#15
Acrylonitrile
Concen: 4.63 ug/l
RT: 5.00 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:	53	Resp:	16529
Ion Ratio	Lower	Upper	
53	100		
52	100.9	66.6	100.0#
51	24.0	29.8	44.8#





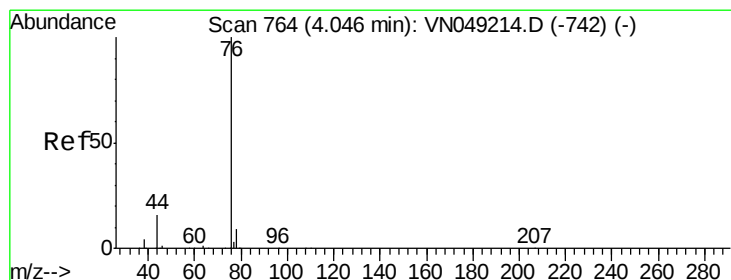
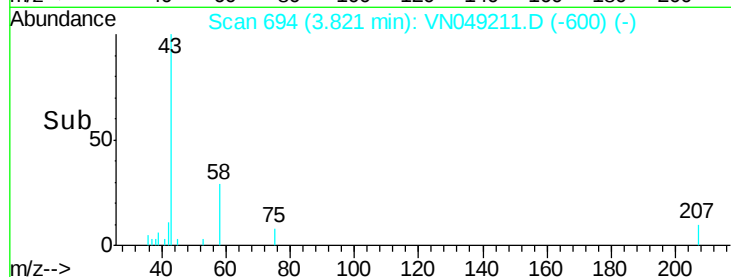
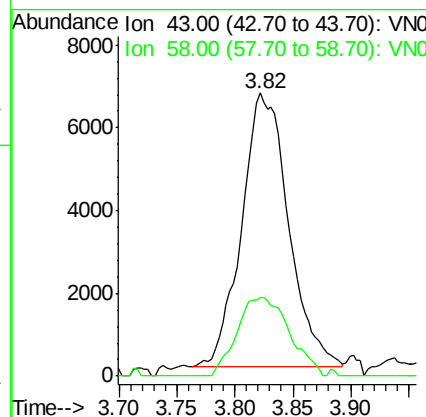
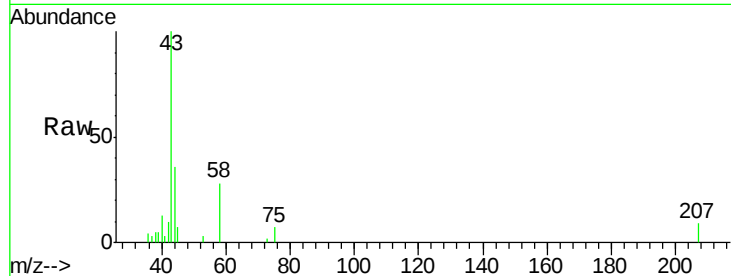
#16
Acetone
Concen: 6.73 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	18632
Ion Ratio	43	100	
	58	28.6	22.4 33.6

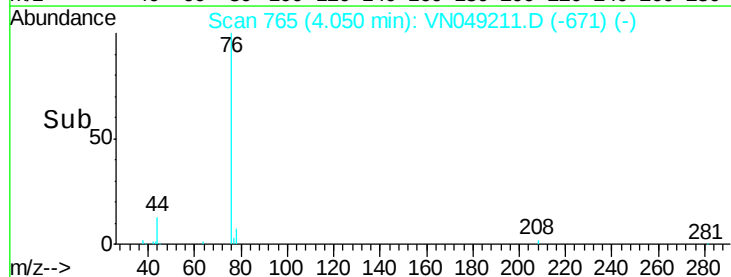
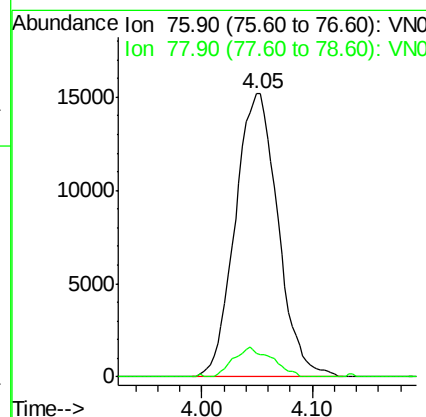
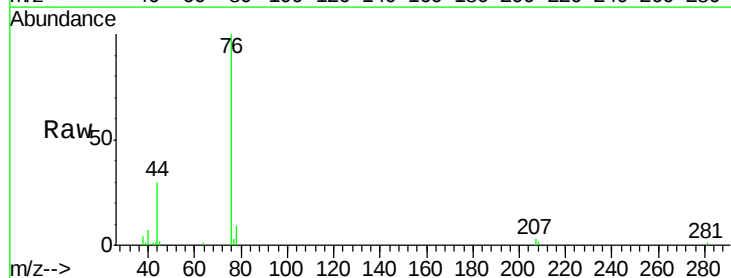
Manual Integrations
APPROVED

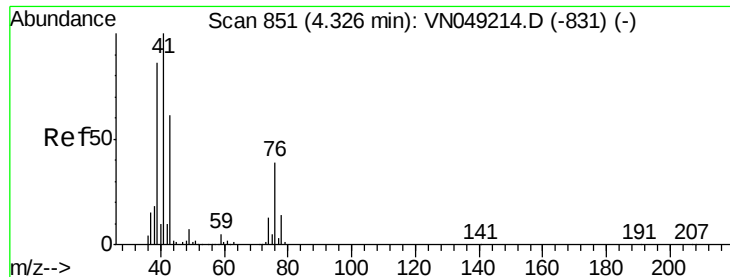
apatel
6/14/2018 5:07:07 PM



#17
Carbon Disulfide
Concen: 1.46 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	76	Resp	40757
Ion Ratio	76	100	
	78	8.5	7.4 11.0





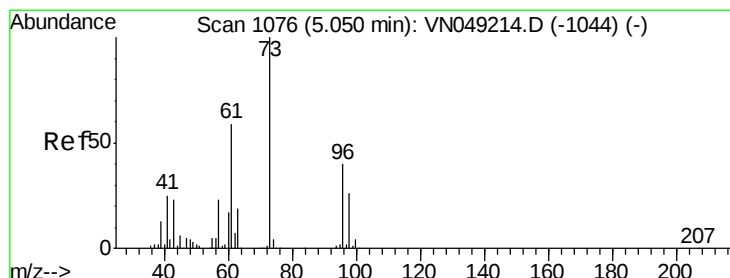
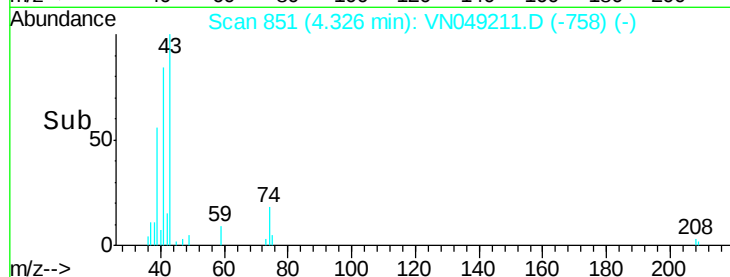
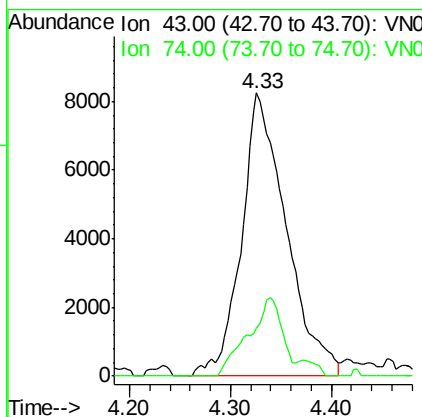
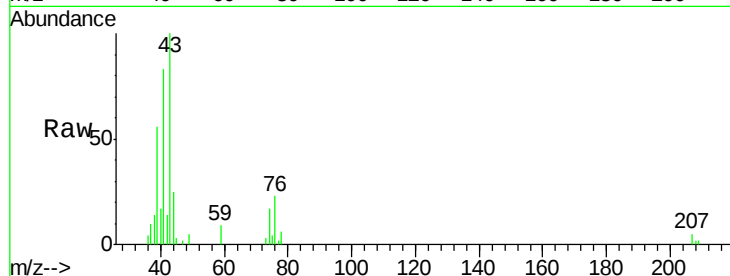
#18
Methvl Acetate
Concen: 2.84 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	25395
Ion Ratio	43	100	
Lower	74	21.1	17.4
Upper			26.0

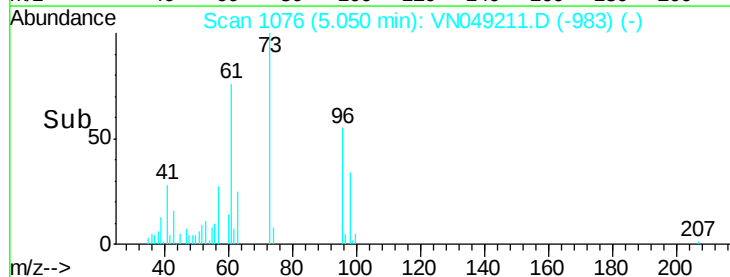
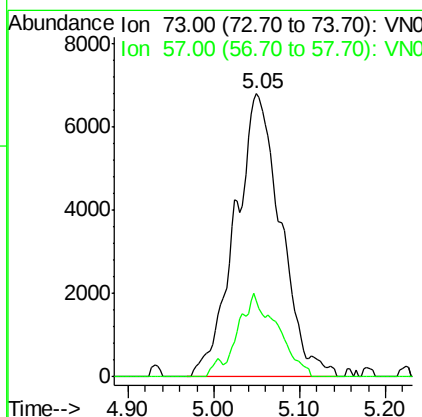
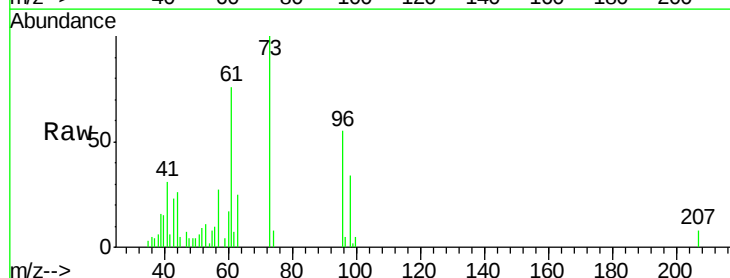
Manual Integrations
APPROVED

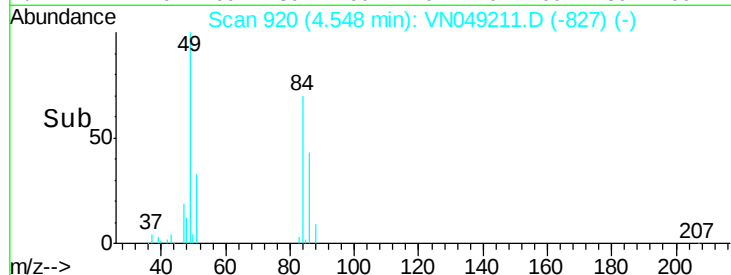
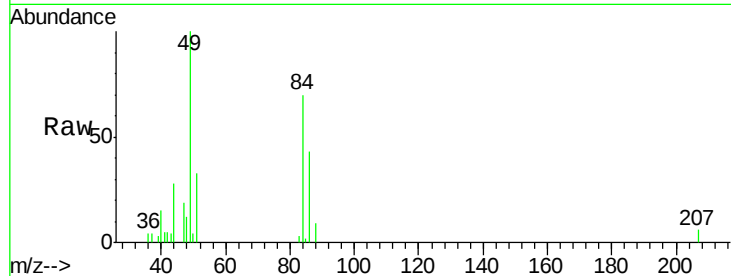
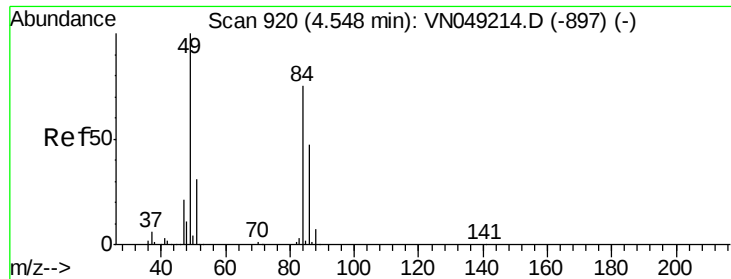
apatel
6/14/2018 5:07:07 PM



#19
Methyl tert-butyl Ether
Concen: 1.01 ug/l m
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	73	Resp	25303
Ion Ratio	73	100	
Lower	57	26.8	18.2
Upper			27.4





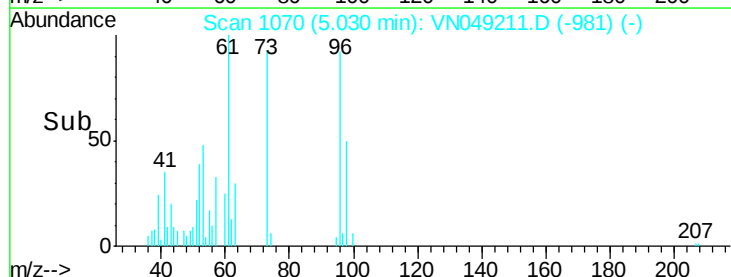
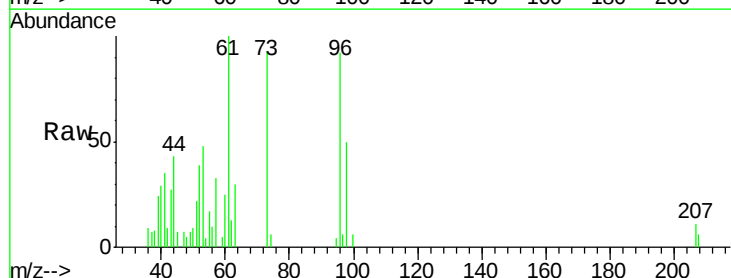
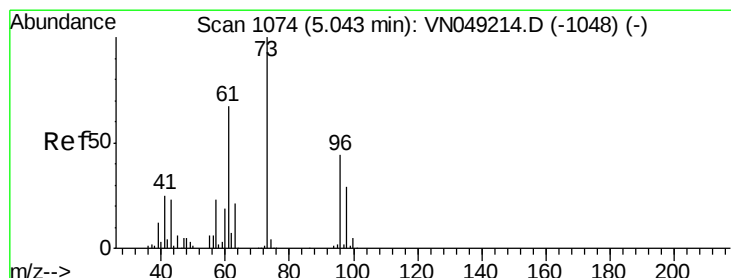
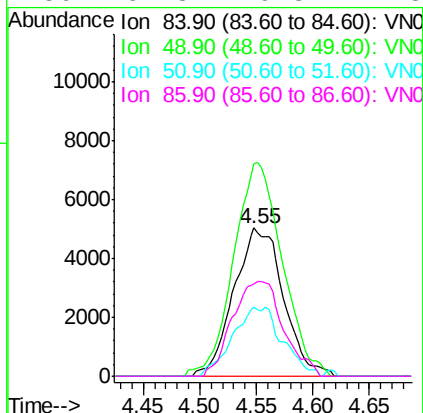
#20
Methylene Chloride
Concen: 1.49 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tot Ion:	84	Resp:	15360
Ion	Ratio	Lower	Upper
84	100		
49	143.4	106.9	160.3
51	46.7	32.7	49.1
86	62.3	49.8	74.8

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

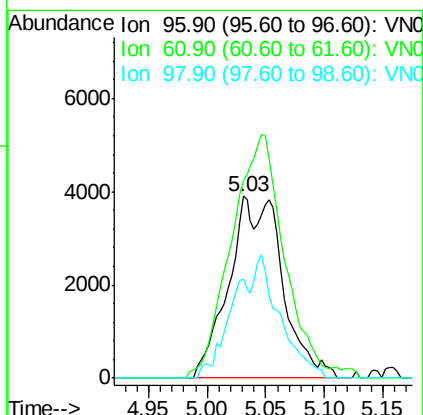
Manual Integrations
APPROVED

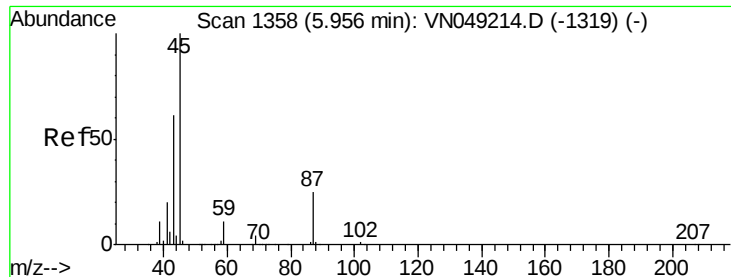
apatel
6/14/2018 5:07:07 PM



#21
trans-1,2-Dichloroethene
Concen: 1.29 ug/l m
RT: 5.03 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:	96	Resp:	12410
Ion	Ratio	Lower	Upper
96	100		
61	108.3	121.3	181.9#
98	54.6	52.0	78.0





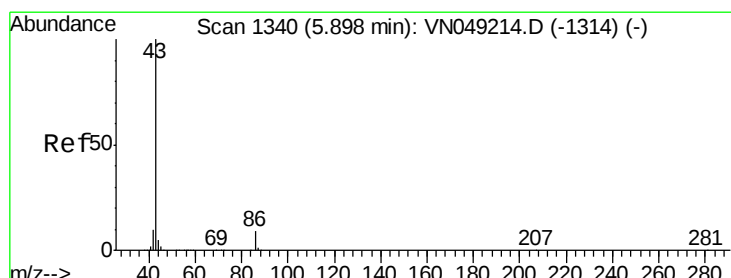
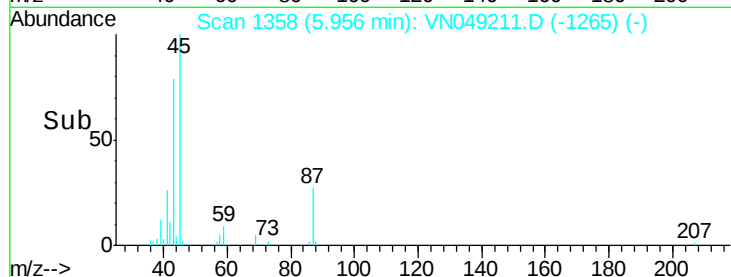
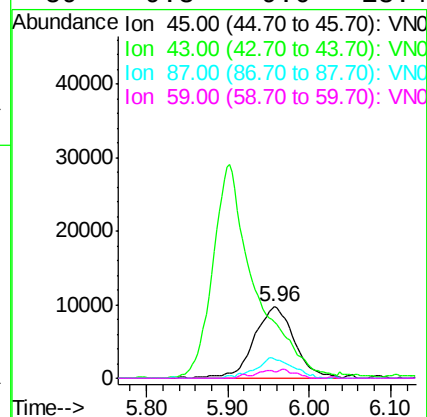
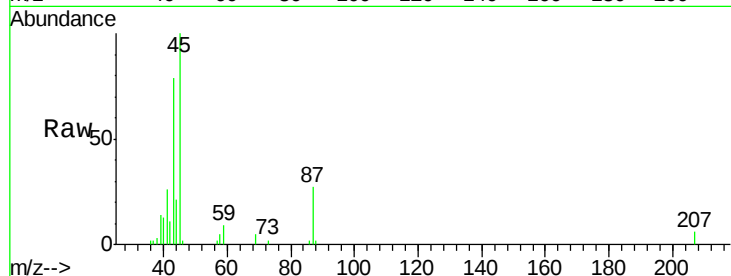
#22
Diisopropyl ether
Concen: 0.97 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	73.9	48.6	72.8#	
87	27.0	20.2	30.2	
59	9.3	9.0	13.4	

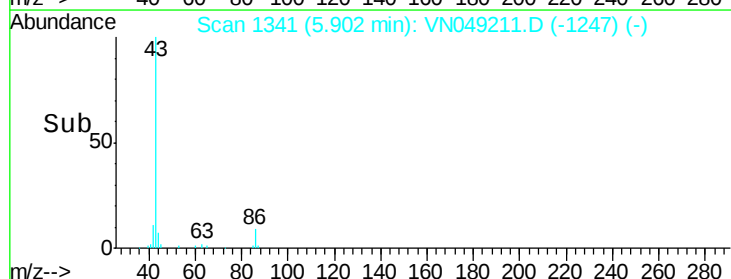
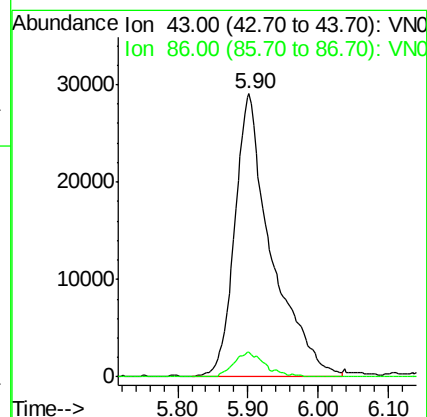
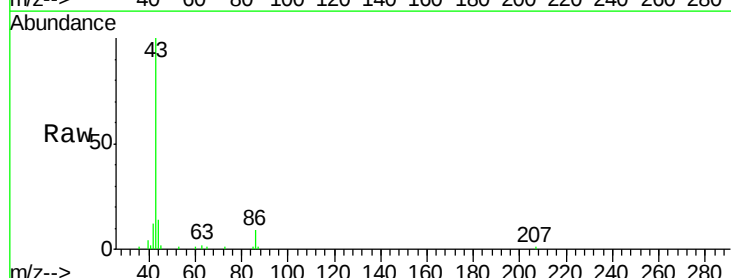
Manual Integrations
APPROVED

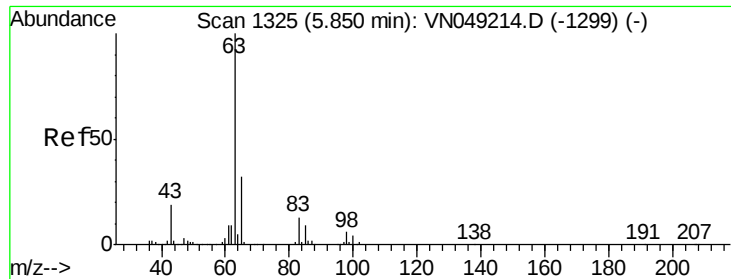
apatel
6/14/2018 5:07:07 PM



#23
Vinyl Acetate
Concen: 4.50 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	8.9	7.2	10.8	





#24

1,1-Dichloroethane

Concen: 1.23 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

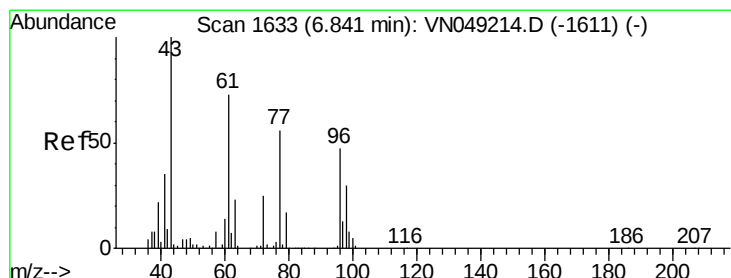
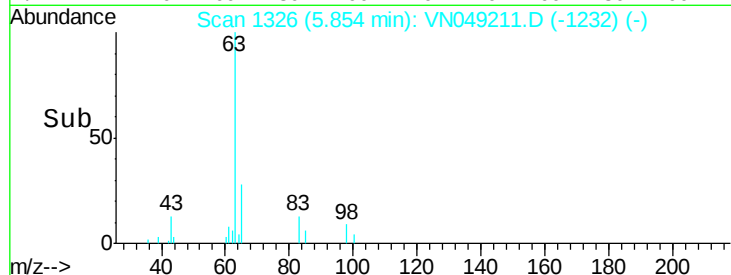
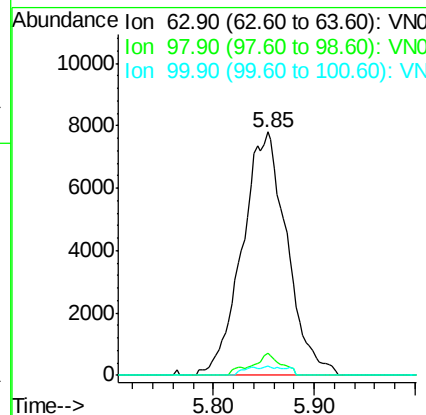
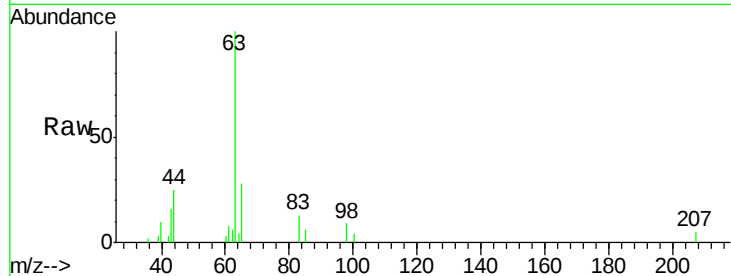
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	23992
Ion	Ratio	Lower	Upper
63	100		
98	9.1	2.9	8.8#
100	3.8	2.1	6.3

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#25

2-Butanone

Concen: 5.15 ug/l

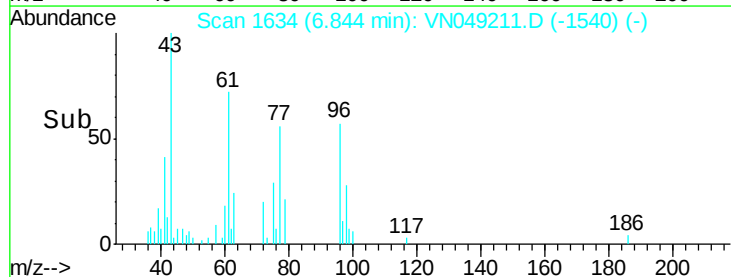
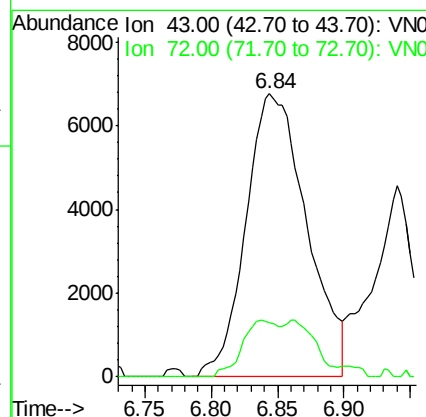
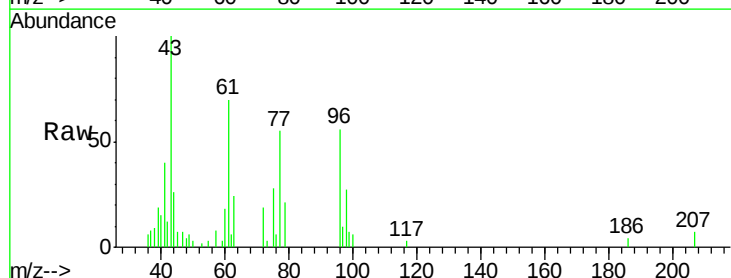
RT: 6.84 min Scan# 1634

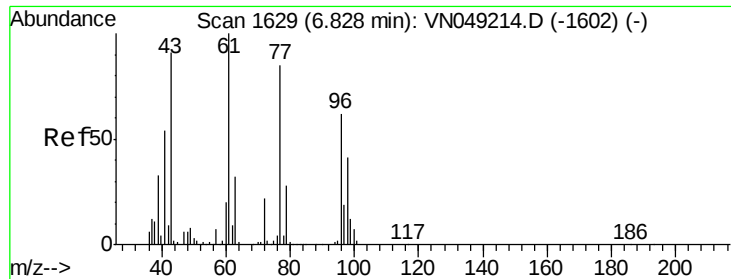
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	43	Resp:	21621
Ion	Ratio	Lower	Upper
43	100		
72	16.6	20.2	30.2#





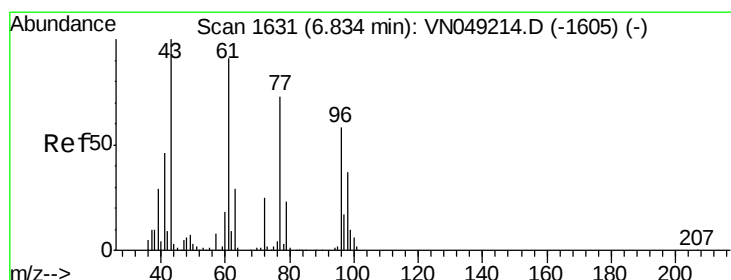
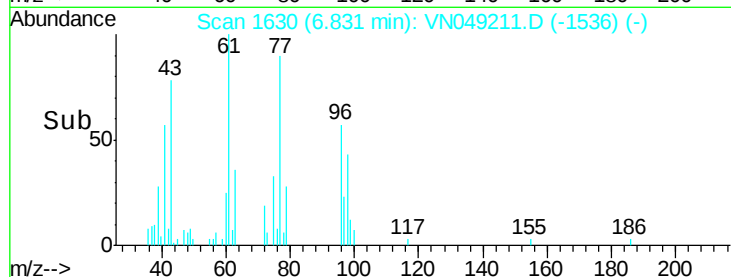
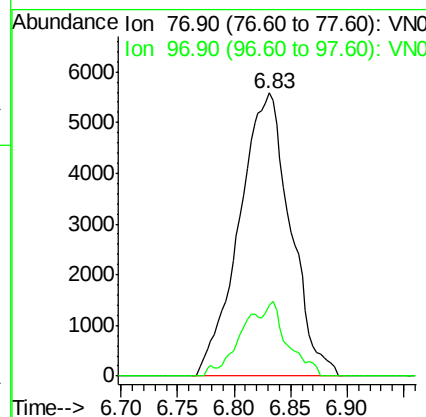
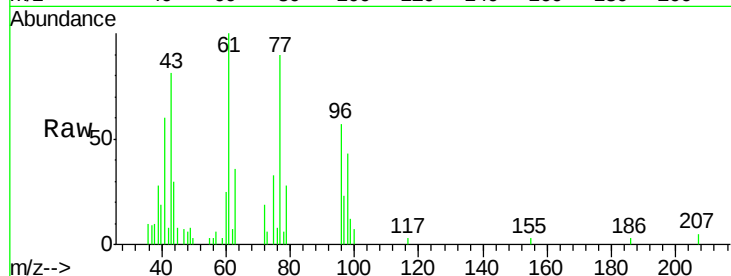
#26
 2,2-Dichloropropane
 Concen: 1.14 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 77 Resp: 17624
 Ion Ratio Lower Upper
 77 100
 97 8.7 11.0 33.0#

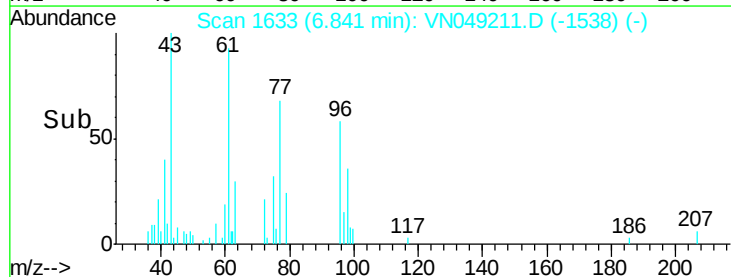
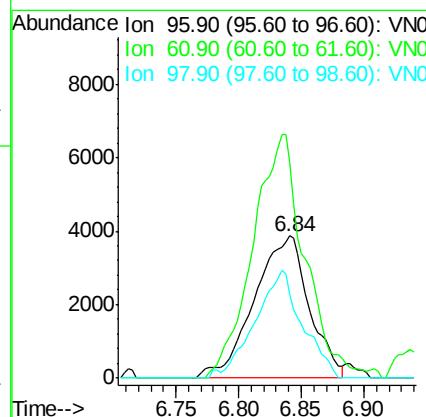
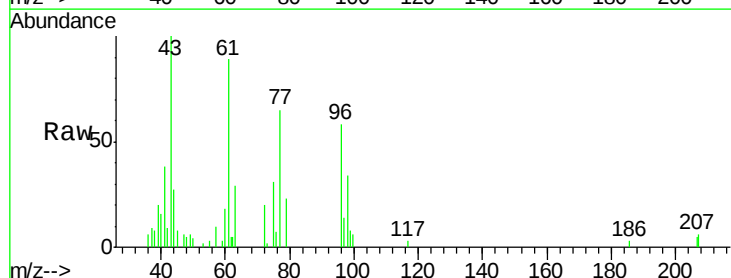
Manual Integrations
 APPROVED

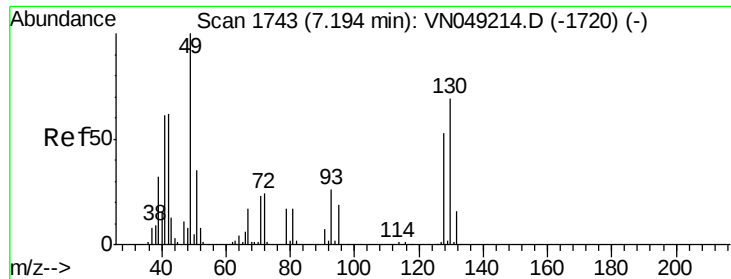
apatel
 6/14/2018 5:07:07 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.10 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 96 Resp: 11845
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 316.4
 98 64.4 0.0 128.4





#28

Bromochloromethane

Concen: 1.26 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

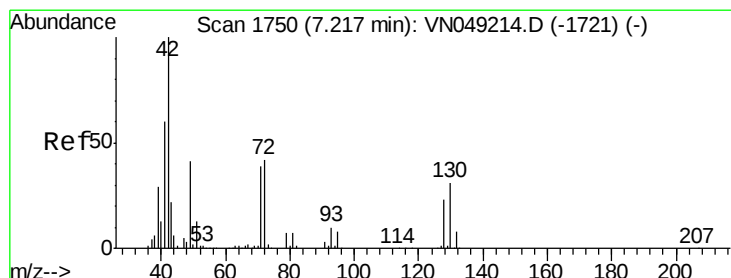
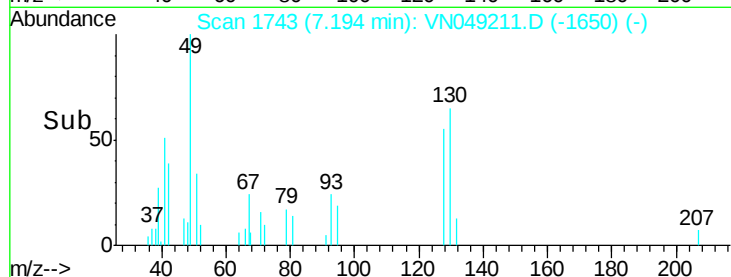
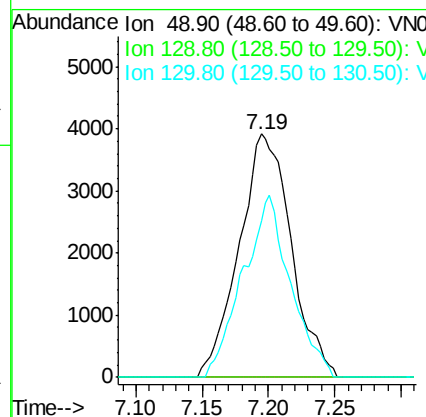
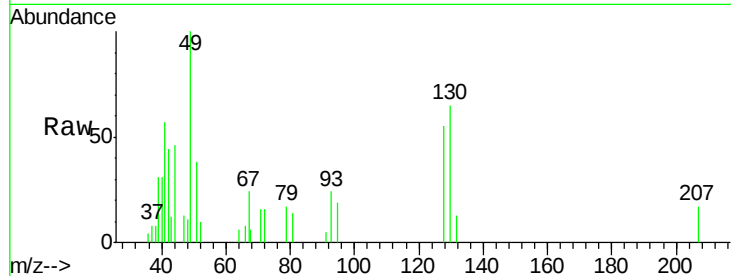
ClientSampled :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
49	100			
129	0.0	0.0	3.8	
130	68.4	54.9	82.3	

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#29

Tetrahydrofuran

Concen: 5.08 ug/l

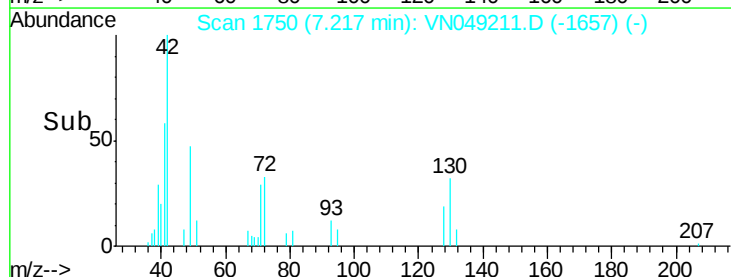
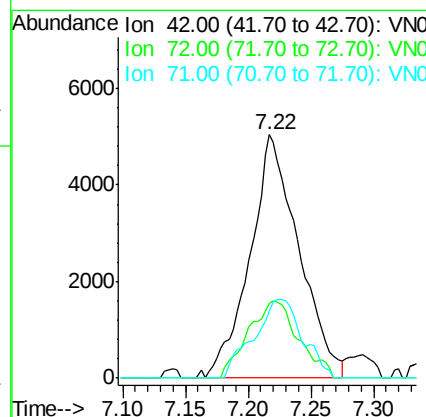
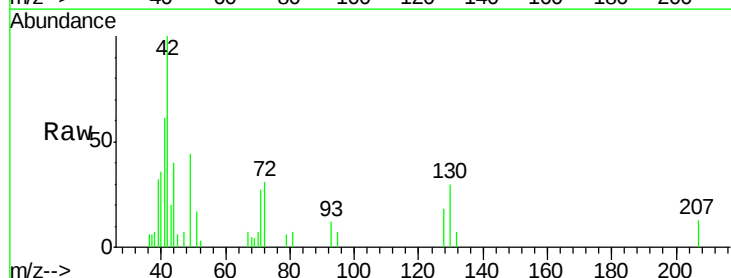
RT: 7.22 min Scan# 1750

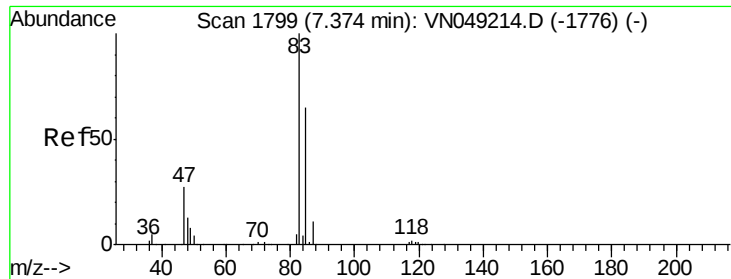
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
72	32.6	32.2	48.4	
71	32.3	30.5	45.7	





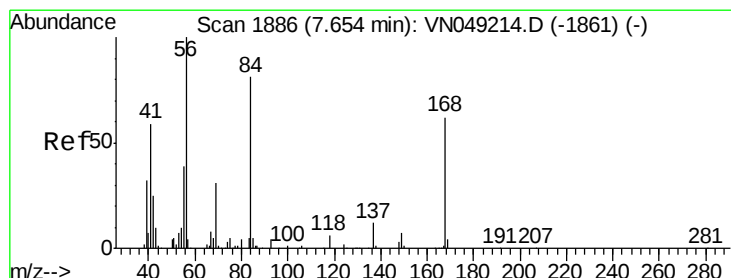
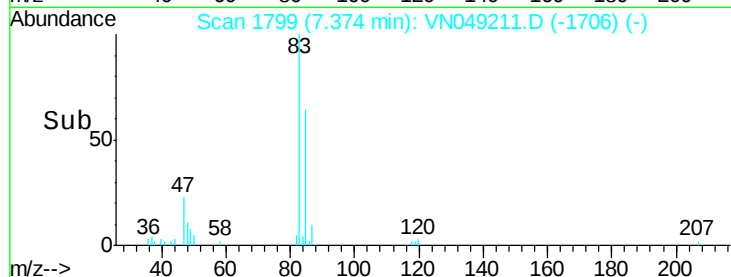
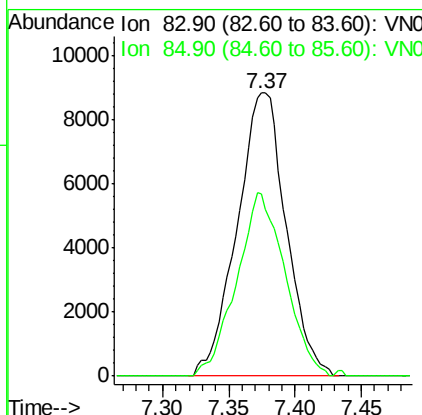
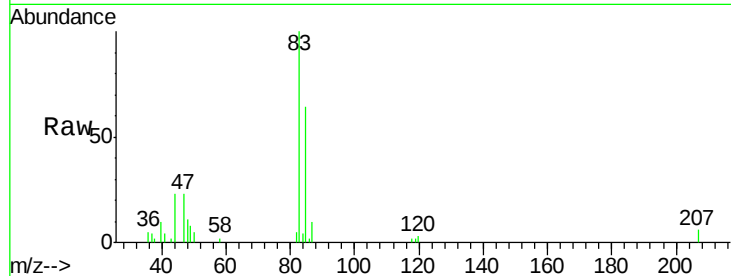
#30
Chloroform
Concen: 1.19 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	83	Resp	22719
Ion Ratio	100	Lower	Upper
85	64.3	51.7	77.5

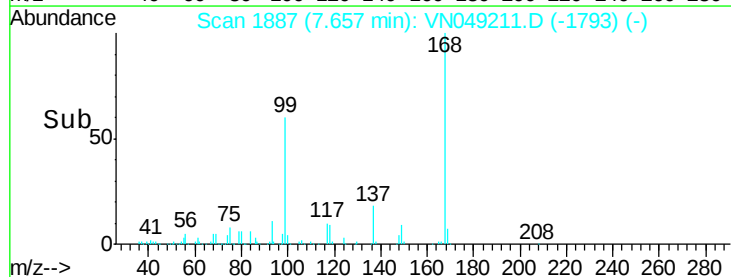
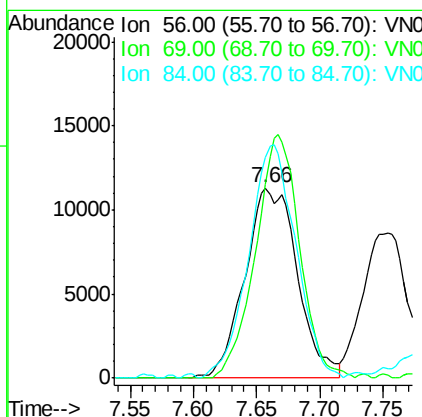
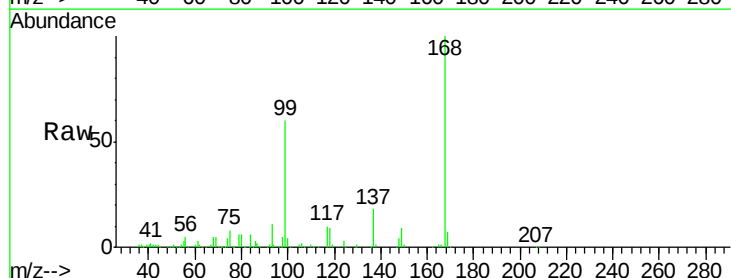
Manual Integrations
APPROVED

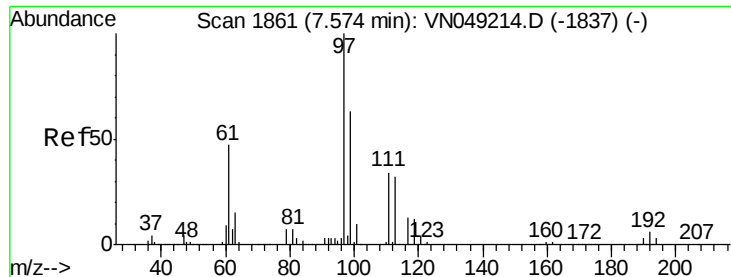
apatel
6/14/2018 5:07:07 PM



#31
Cyclohexane
Concen: 1.81 ug/l m
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	56	Resp	32632
Ion Ratio	100	Lower	Upper
69	102.0	25.0	37.4#
84	116.0	64.6	96.8#





#32

1,1,1-Trichloroethane

Concen: 1.21 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

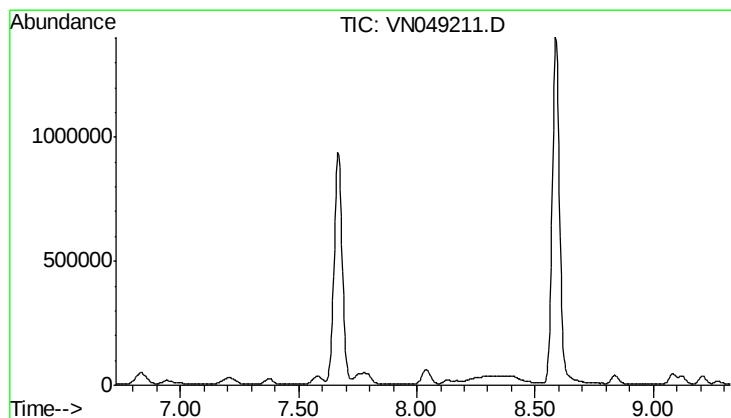
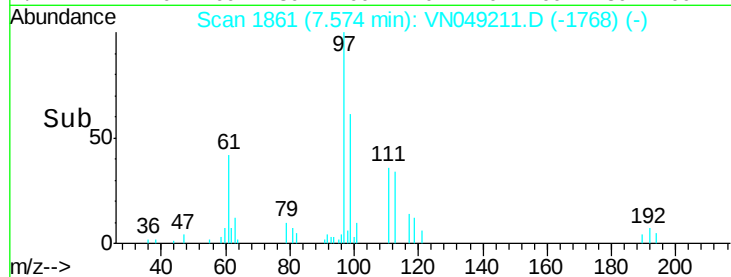
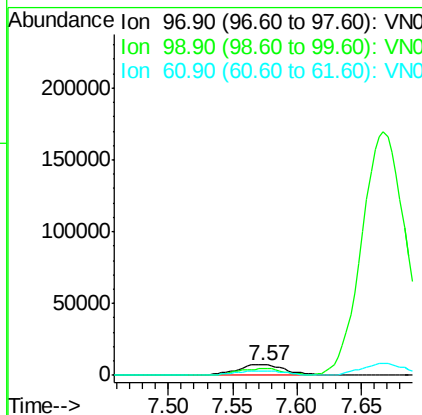
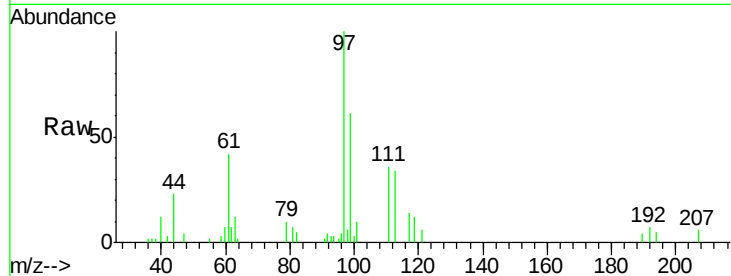
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	19739
Ion Ratio	Lower	Upper	
97	100		
99	0.0	50.5	75.7#
61	44.6	37.9	56.9

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN049211.D

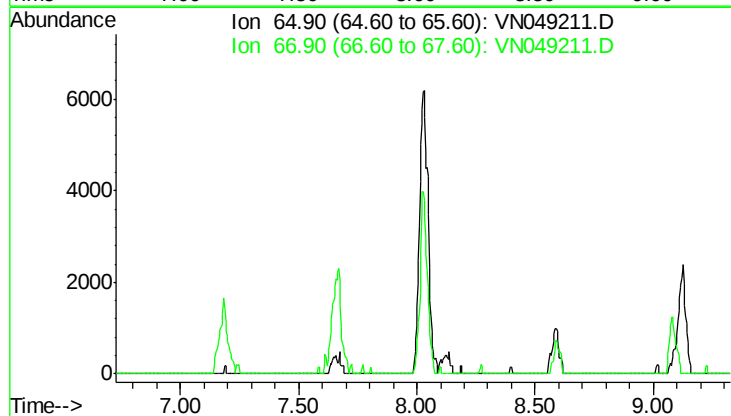
Acq: 13 Jun 2018 20:10

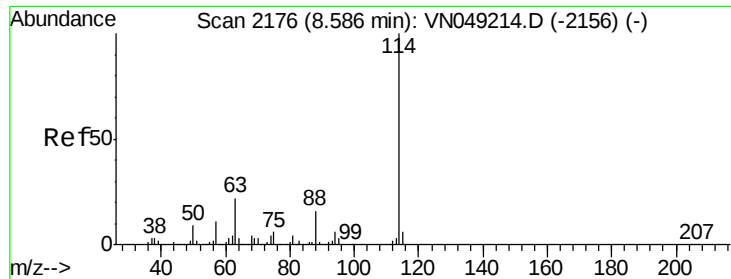
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.9





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 1240178

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.4

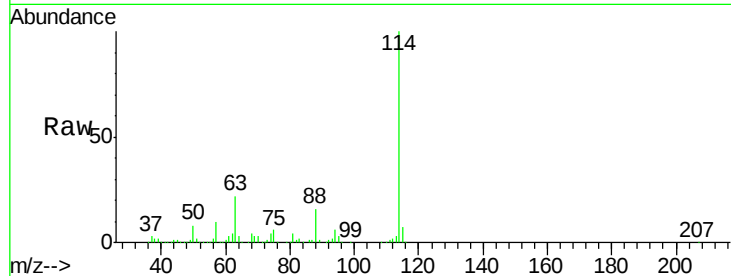
88 16.4 0.0 31.4

Manual Integrations

APPROVED

apatel

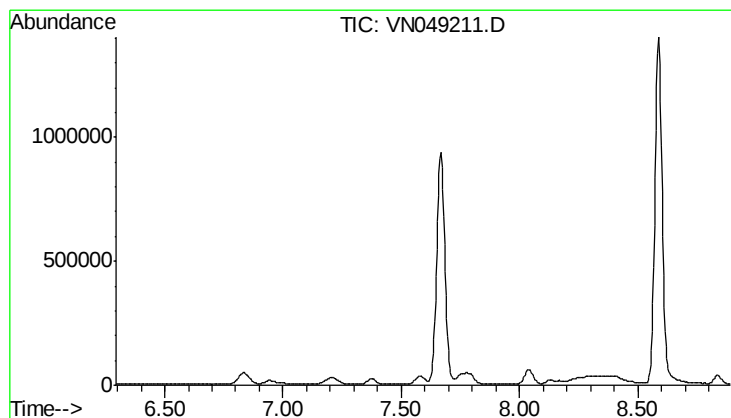
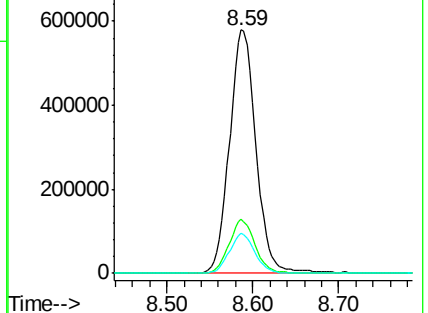
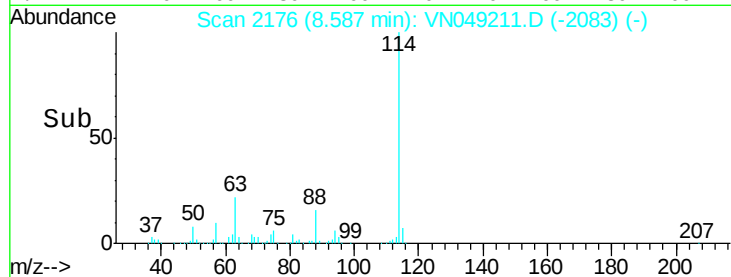
6/14/2018 5:07:07 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 7.59 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

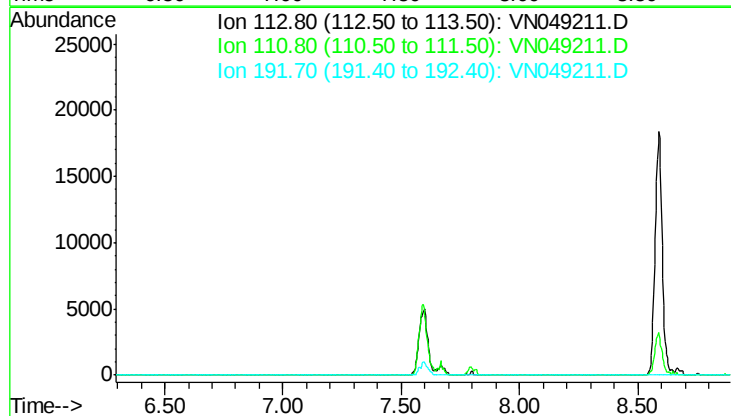
Tgt Ion: 113

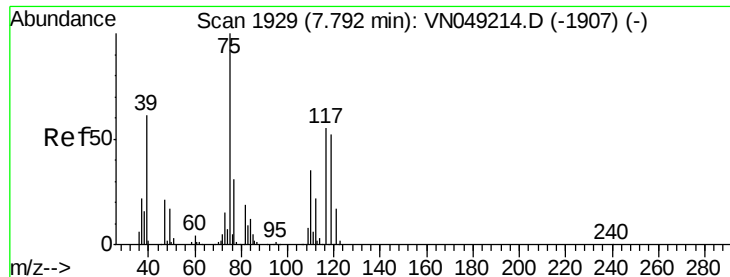
Sig Exp Ratio

113 100

111 103.0

192 18.8





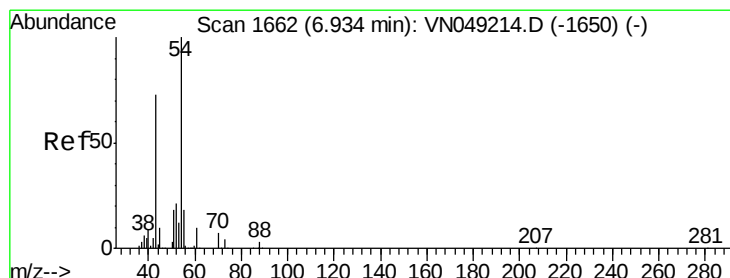
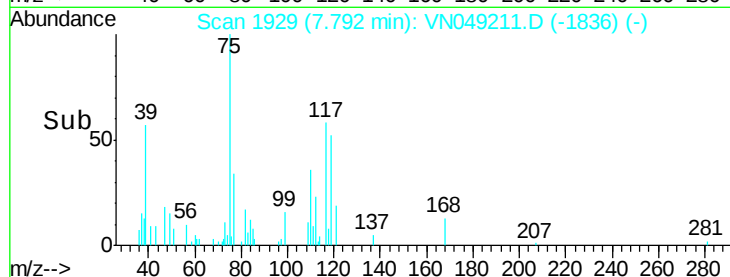
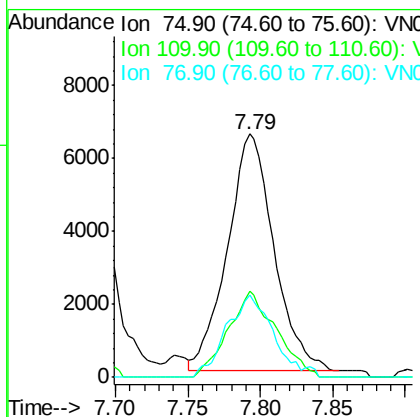
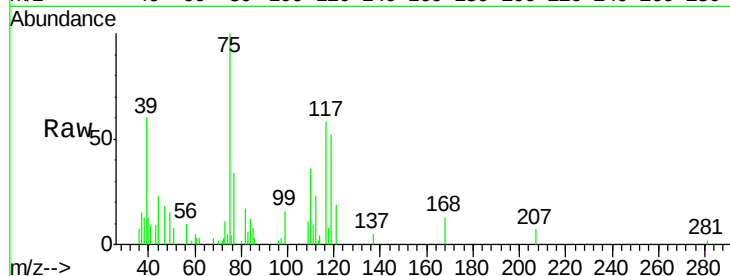
#36
 1,1-Dichloropropene
 Concen: 0.94 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	17.0	50.9
77	35.0	24.4	36.6

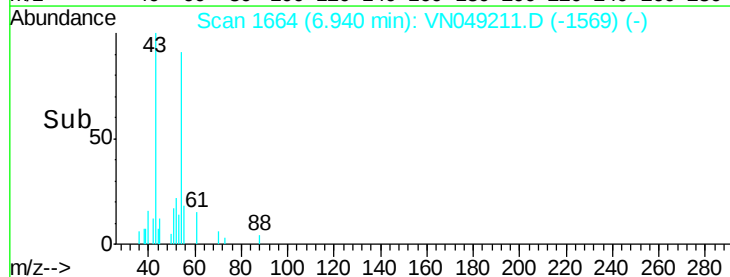
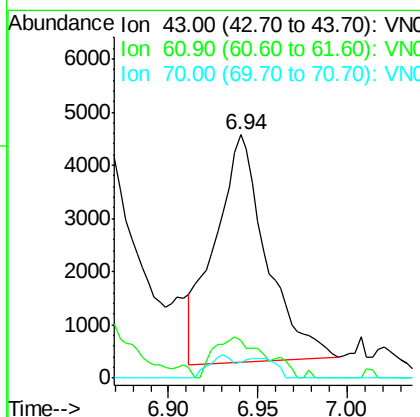
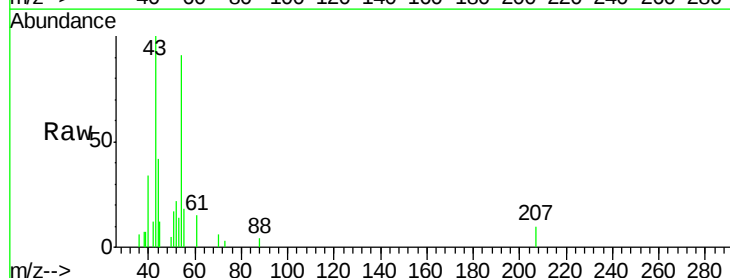
Manual Integrations
 APPROVED

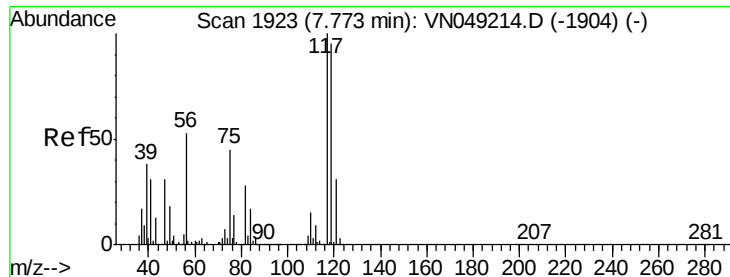
apatel
 6/14/2018 5:07:07 PM



#37
 Ethyl Acetate
 Concen: 0.86 ug/l
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.0	16.4
70	4.8	7.2	10.8





#38

Carbon Tetrachloride

Concen: 1.09 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

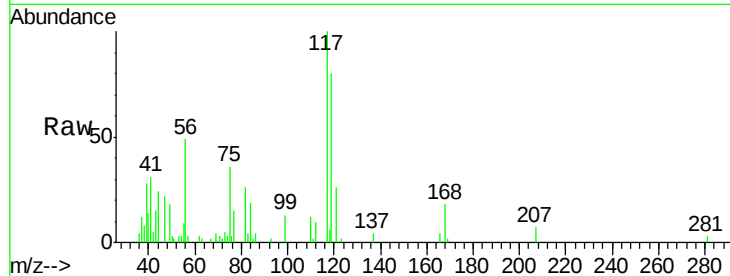
ClientSampled :

VSTDIC001

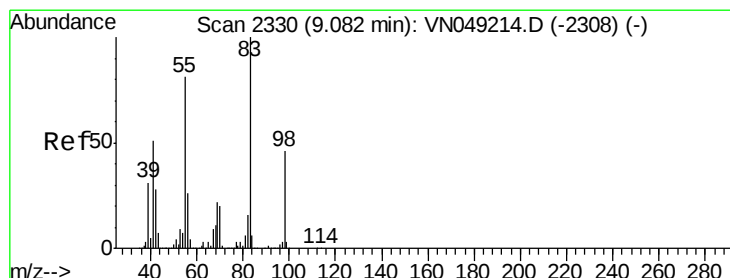
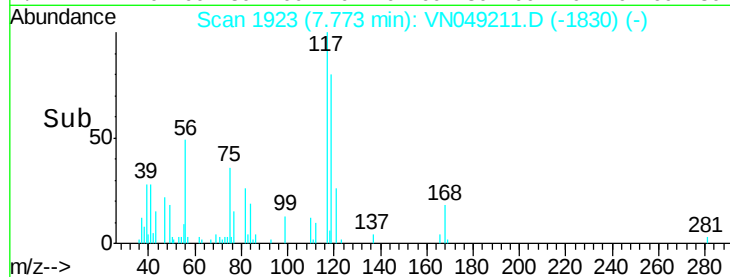
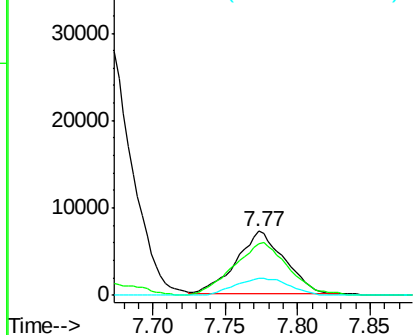
Tot Ion:	117	Resp:	16560
Ion	Ratio	Lower	Upper
117	100		
119	82.1	75.6	113.4
121	26.8	24.7	37.1

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.94 ug/l

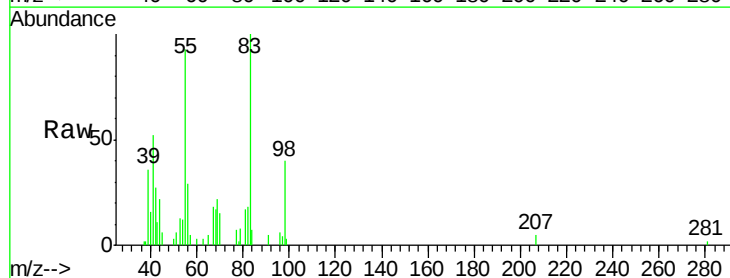
RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

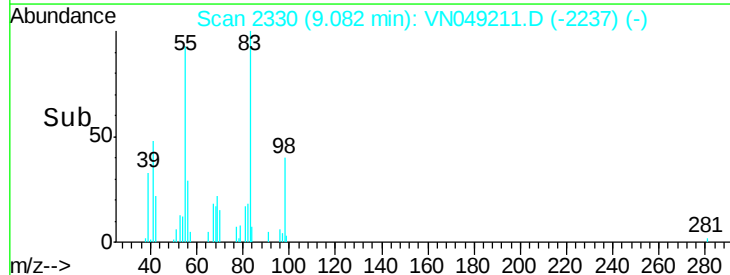
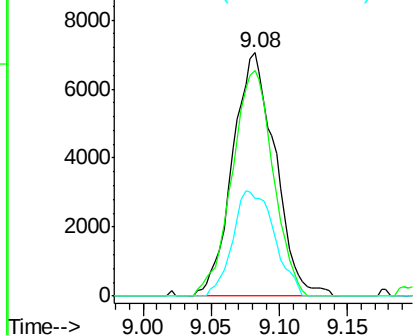
Lab File: VN049211.D

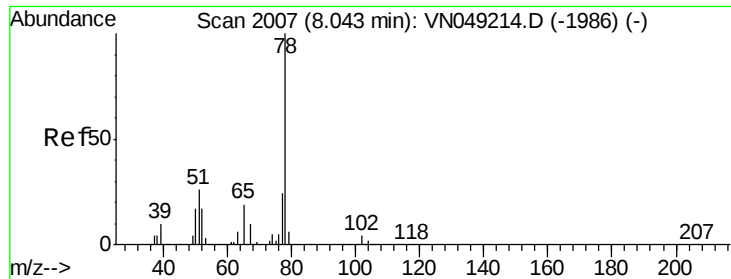
Acq: 13 Jun 2018 20:10

Tgt Ion:	83	Resp:	15301
Ion	Ratio	Lower	Upper
83	100		
55	92.9	65.1	97.7
98	40.1	36.5	54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





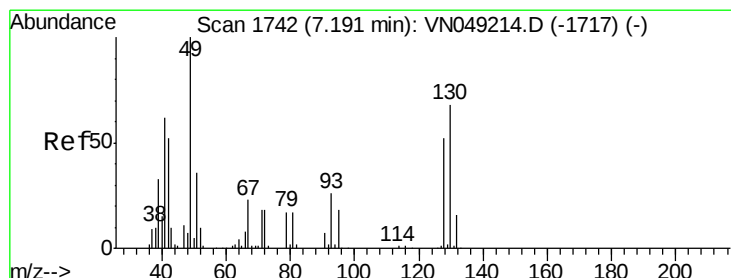
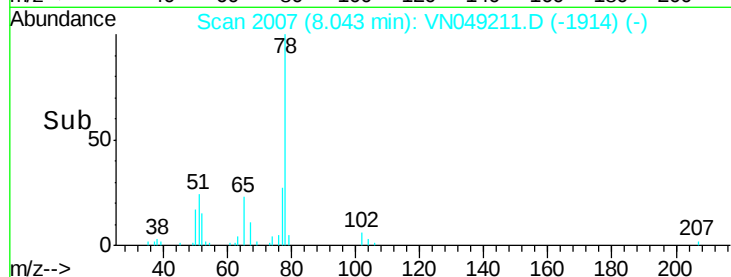
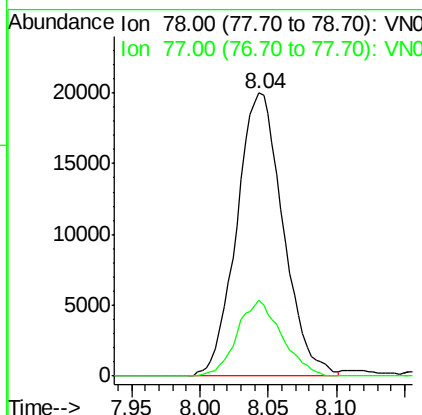
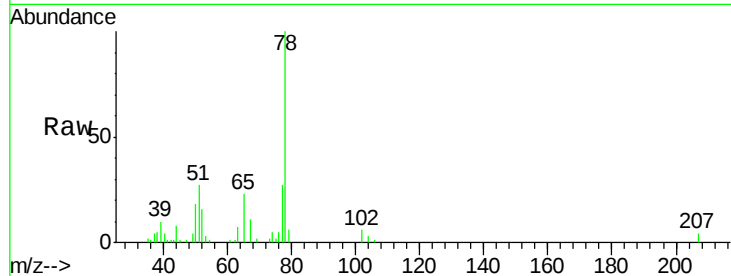
#40
Benzene
Concen: 1.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 47132
Ion Ratio Lower Upper
78 100
77 26.7 19.4 29.0

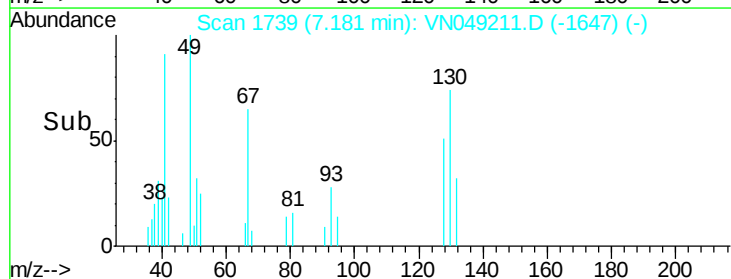
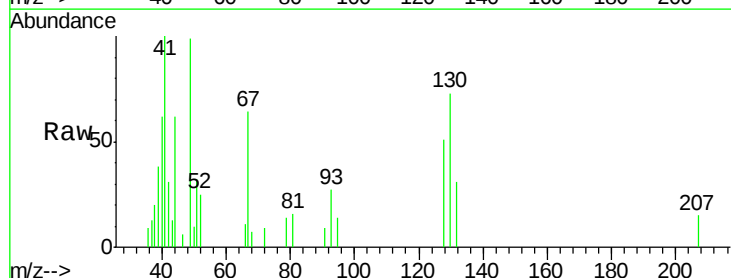
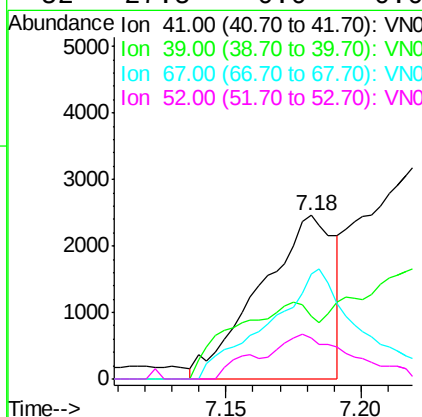
Manual Integrations
APPROVED

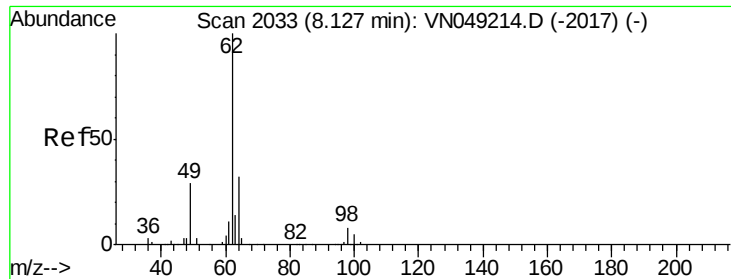
apatel
6/14/2018 5:07:07 PM



#41
Methacrylonitrile
Concen: 0.86 ug/l m
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 41 Resp: 4712
Ion Ratio Lower Upper
41 100
39 51.7 0.0 0.0#
67 82.9 0.0 0.0#
52 27.5 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 1.07 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 62 Resp: 16260

Ion Ratio Lower Upper

62 100

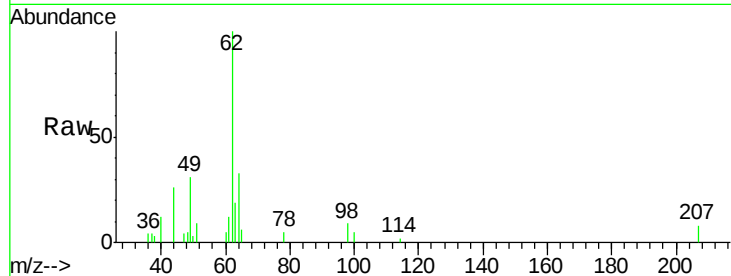
98 7.1 0.0 16.2

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:07 PM



Abundance Ion 61.90 (61.60 to 62.60): VN049211.D (-1940) (-)

Ion 97.90 (97.60 to 98.60): VN049211.D (-1940) (-)

8.12

6000

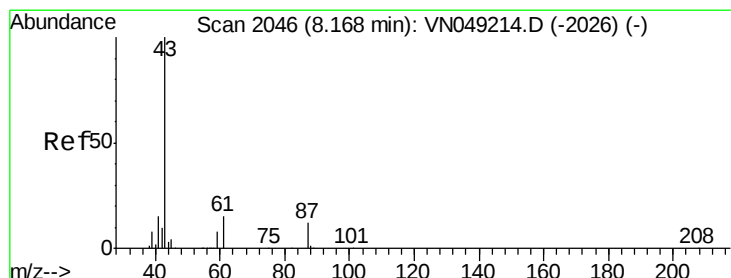
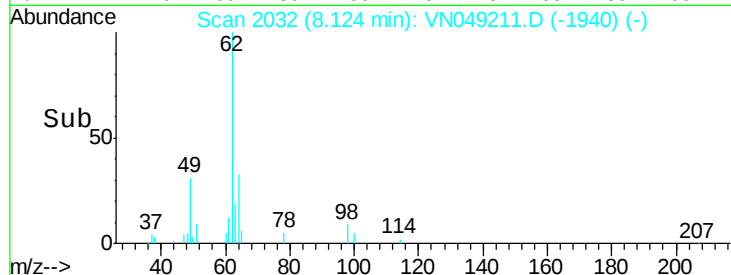
4000

2000

0

8.05 8.10 8.15 8.20

Time-->



#43

Isopropyl Acetate

Concen: 0.83 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

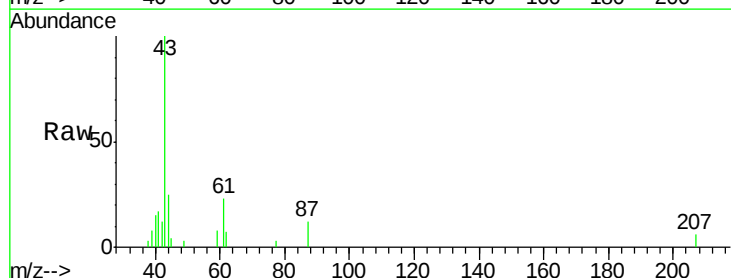
Tgt Ion: 43 Resp: 15794

Ion Ratio Lower Upper

43 100

61 26.1 14.2 21.4#

87 12.9 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049211.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049211.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049211.D (-1953) (-)

8.17

10000

8000

6000

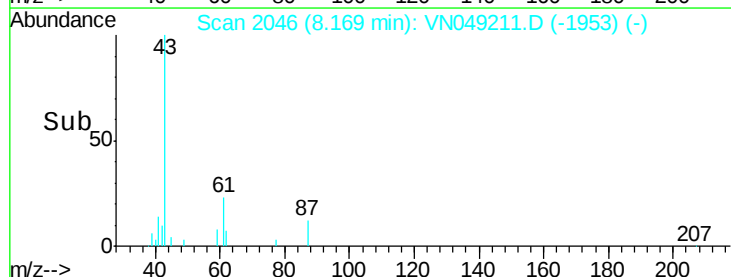
4000

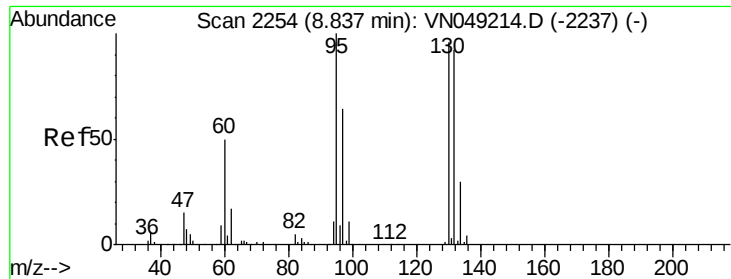
2000

0

8.10 8.15 8.20

Time-->





#44

Trichloroethene

Concen: 1.16 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 13205

Ion Ratio Lower Upper

130 100

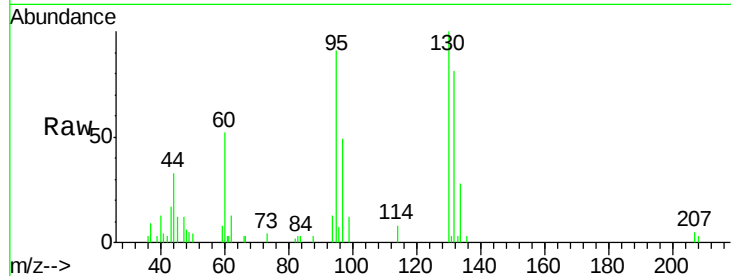
95 90.7 0.0 208.6

Manual Integrations

APPROVED

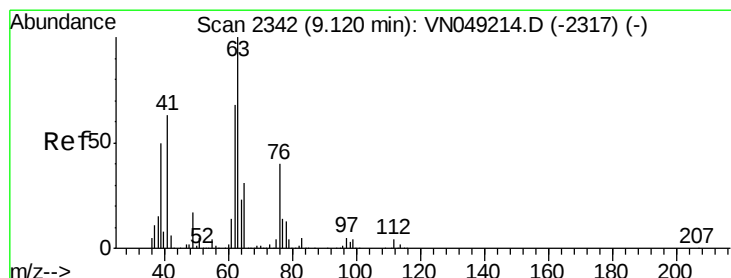
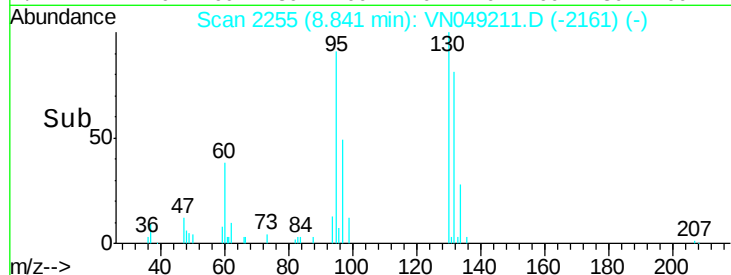
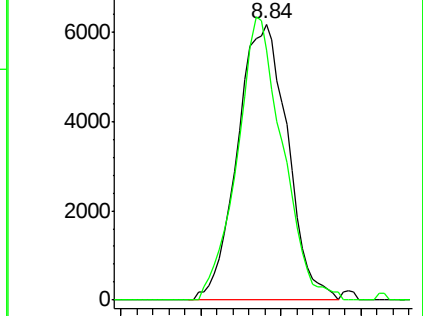
apatel

6/14/2018 5:07:07 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 1.05 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN049211.D

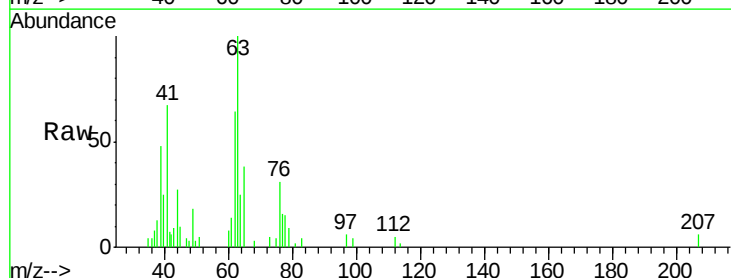
Acq: 13 Jun 2018 20:10

Tgt Ion: 63 Resp: 13390

Ion Ratio Lower Upper

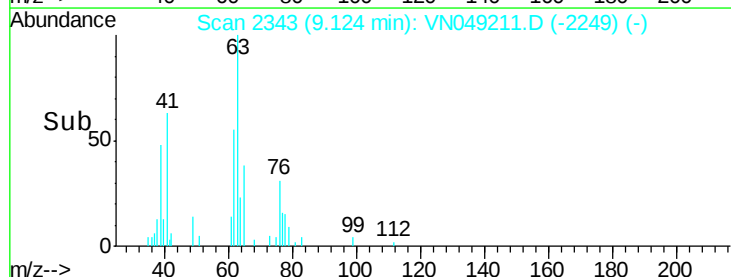
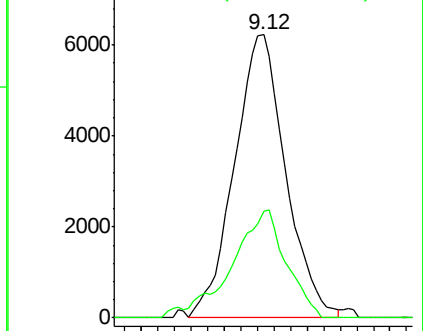
63 100

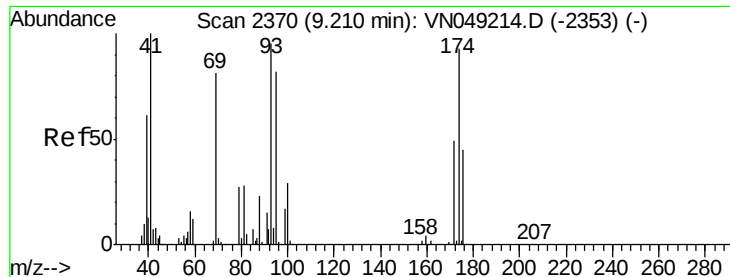
65 37.5 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#46

Dibromomethane

Concen: 1.07 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

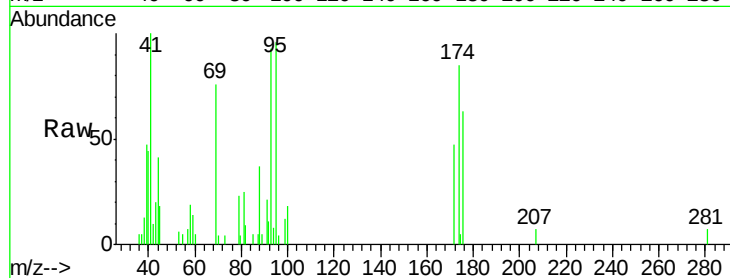
ClientSampleId :

VSTDIC001

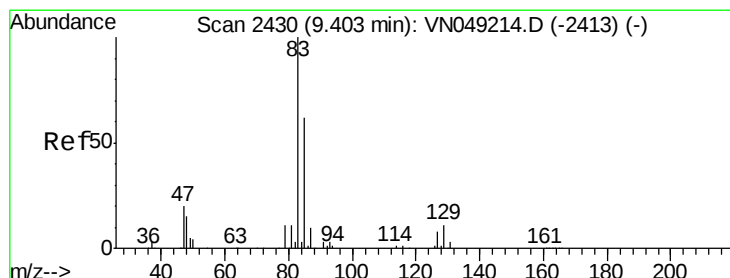
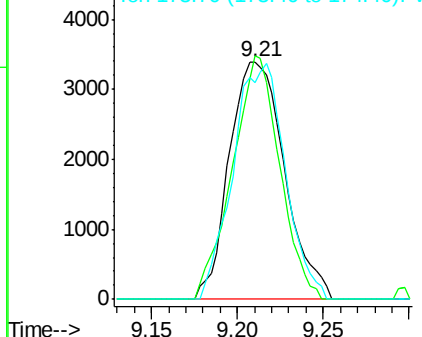
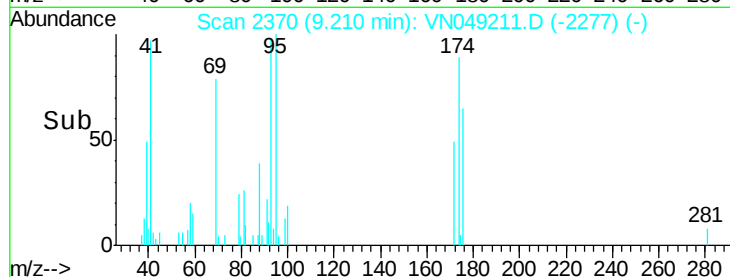
Tot Ion:	93	Resp:	7565
Ion	Ratio	Lower	Upper
93	100		
95	87.9	67.2	100.8
174	93.8	75.6	113.4

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



Abundance Ion 92.80 (92.50 to 93.50): VN049211.D (-2277) (-)



#47

Bromodichloromethane

Concen: 1.05 ug/l

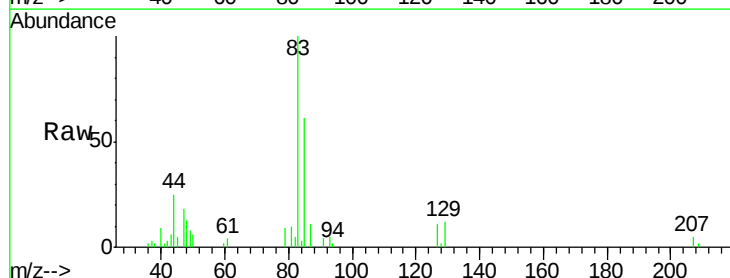
RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

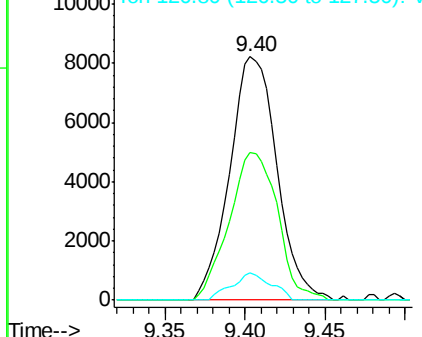
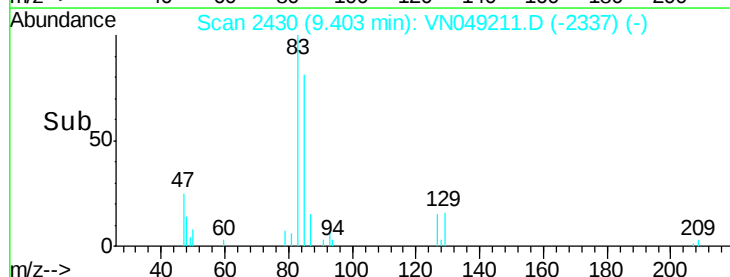
Lab File: VN049211.D

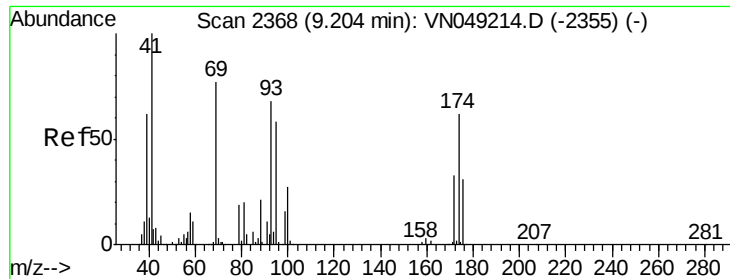
Acq: 13 Jun 2018 20:10

Tgt Ion:	83	Resp:	16588
Ion	Ratio	Lower	Upper
83	100		
85	60.6	49.4	74.0
127	11.1	6.3	9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN049211.D (-2337) (-)





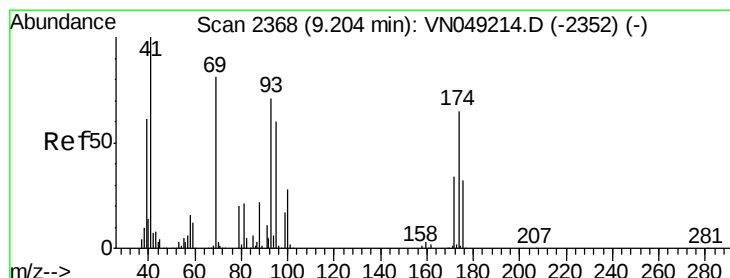
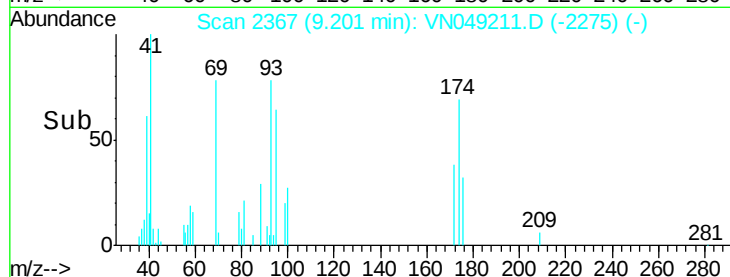
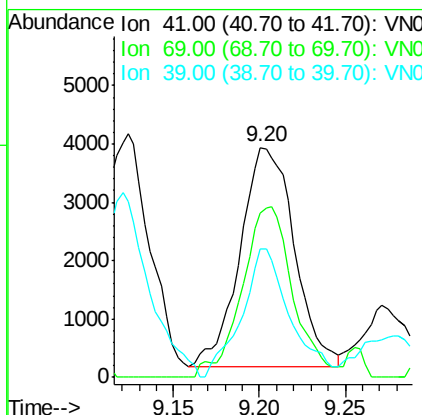
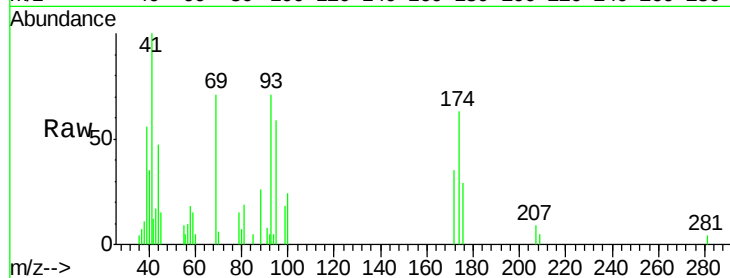
#48
Methvl methacrylate
Concen: 0.90 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.1	62.0	93.0
39	52.4	50.6	75.8

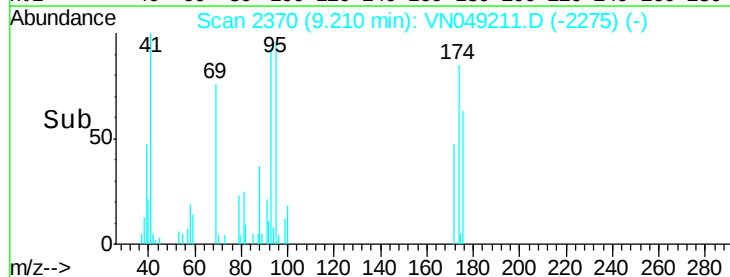
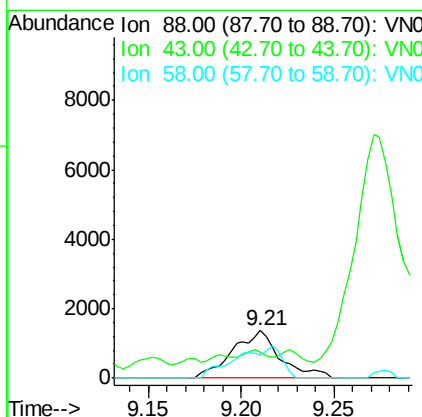
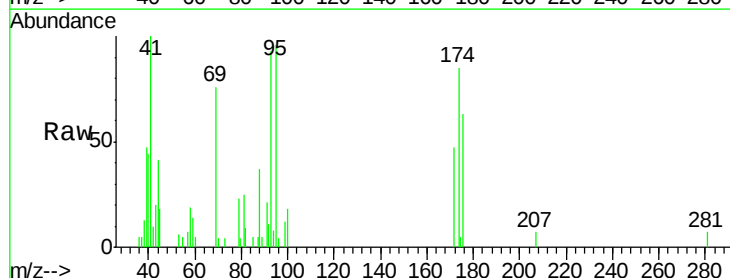
Manual Integrations
APPROVED

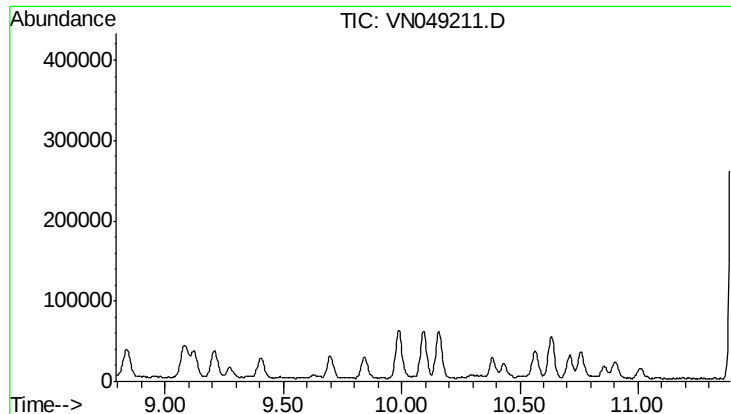
apatel
6/14/2018 5:07:07 PM



#49
1,4-Dioxane
Concen: 24.15 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.9	46.3#
58	65.1	58.9	88.3





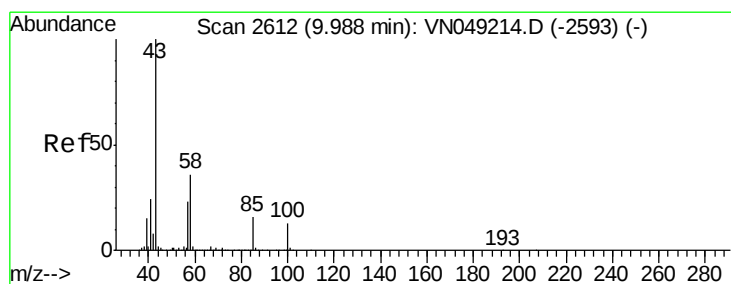
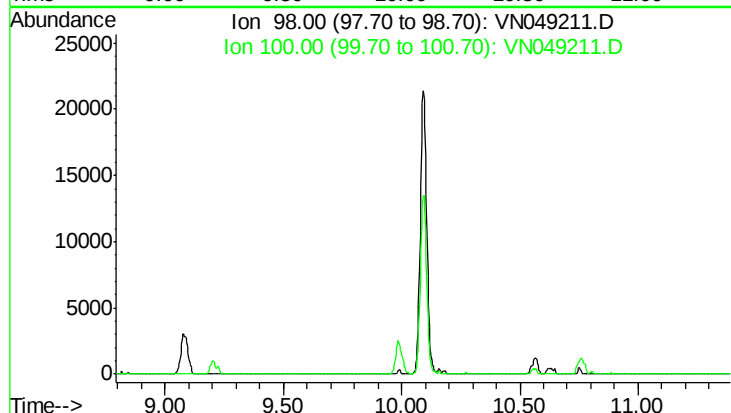
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 62.3

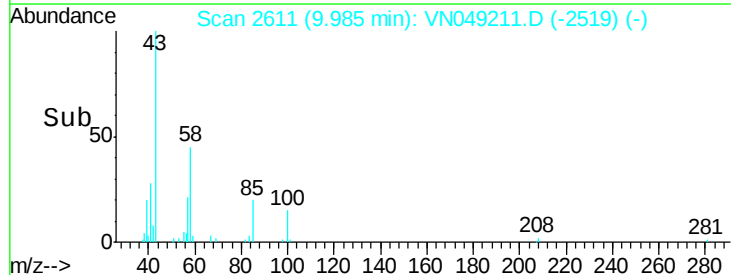
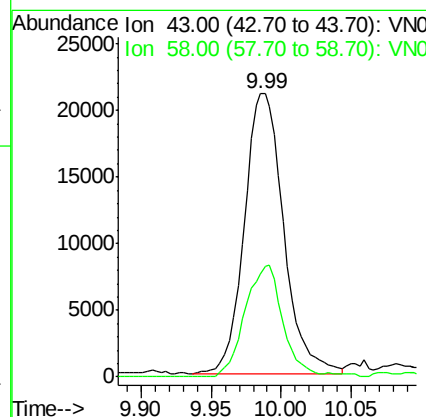
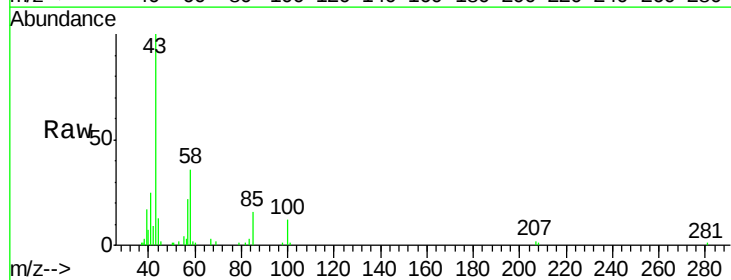
Manual Integrations
APPROVED

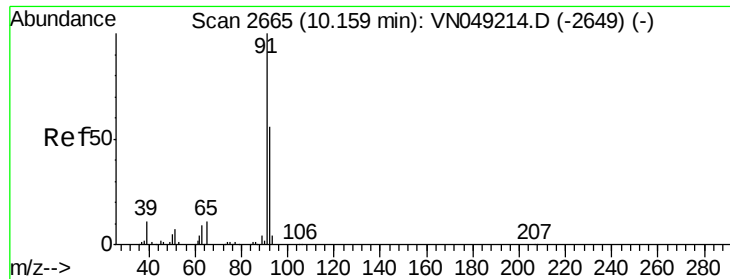
apatel
6/14/2018 5:07:07 PM



#51
4-Methyl-2-Pentanone
Concen: 4.08 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 43 Resp: 40891
Ion Ratio Lower Upper
43 100
58 38.0 29.0 43.6





#52

Toluene

Concen: 0.91 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 25258

Ion Ratio Lower Upper

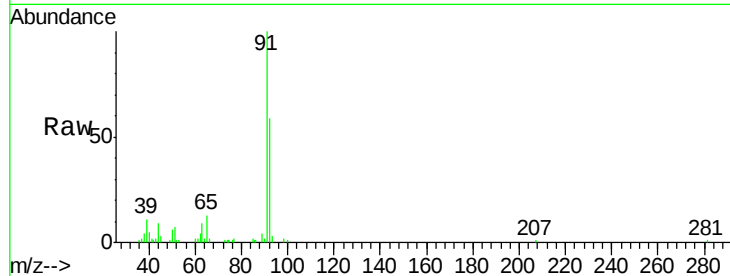
92 100

91 173.8 143.4 215.2

Manual Integrations
APPROVED

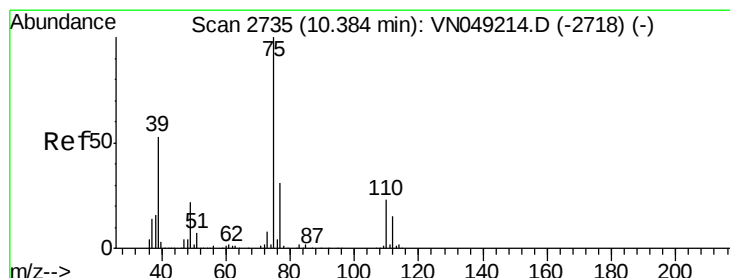
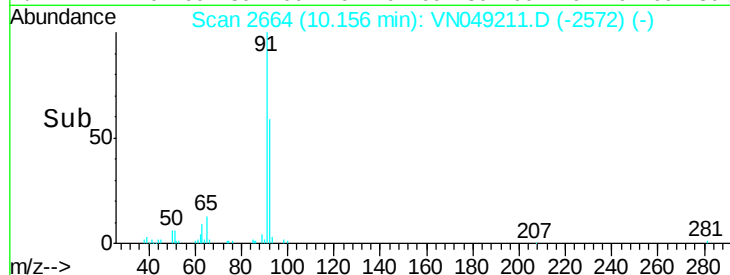
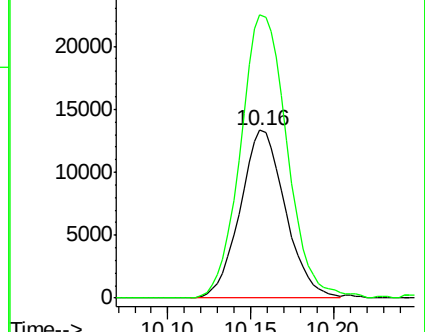
apatel

6/14/2018 5:07:07 PM



Abundance Ion 92.00 (91.70 to 92.70): VN049211.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049211.D (-2649) (-)



#53

t-1,3-Dichloropropene

Concen: 0.85 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049211.D

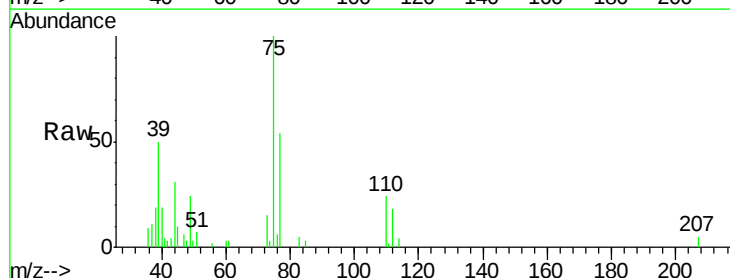
Acq: 13 Jun 2018 20:10

Tgt Ion: 75 Resp: 13410

Ion Ratio Lower Upper

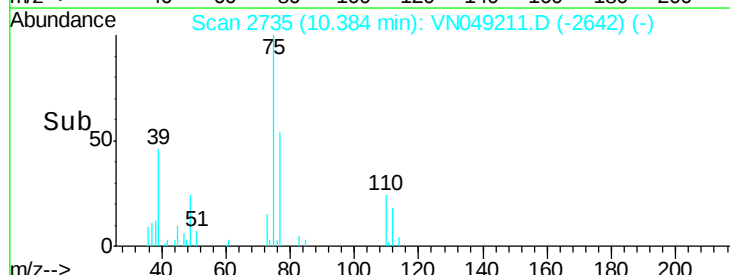
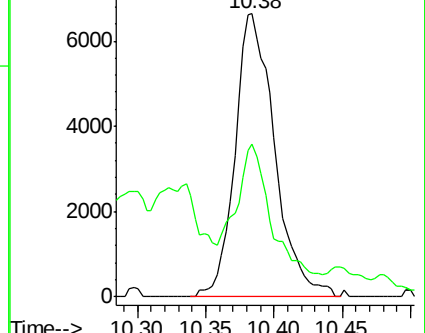
75 100

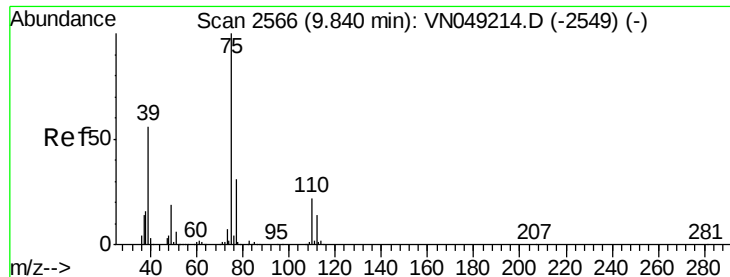
77 43.3 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN049211.D (-2642) (-)

Ion 76.90 (76.60 to 77.60): VN049211.D (-2642) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.87 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

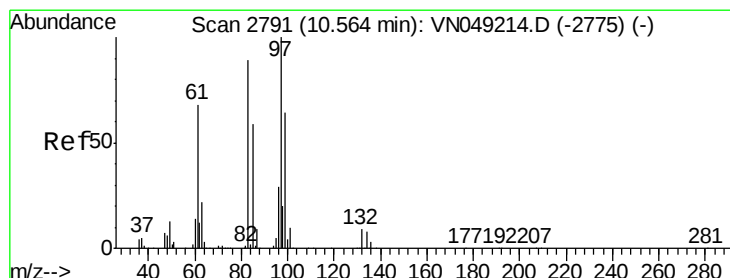
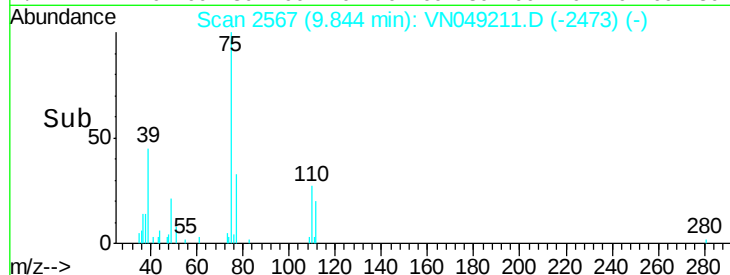
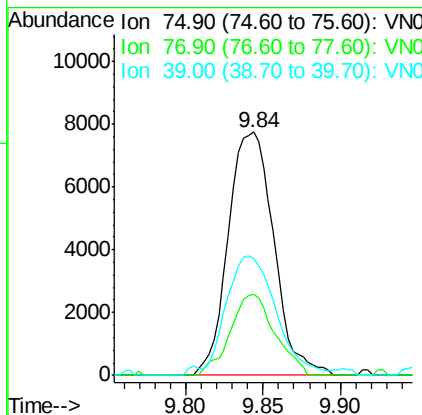
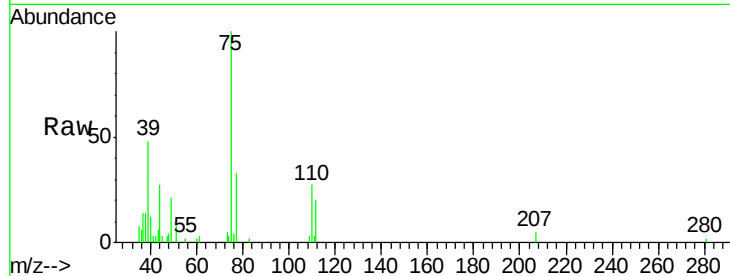
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	15877
Ion	Ratio	Lower	Upper
75	100		
77	33.1	24.8	37.2
39	45.3	45.1	67.7

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#55

1,1,2-Trichloroethane

Concen: 1.03 ug/l

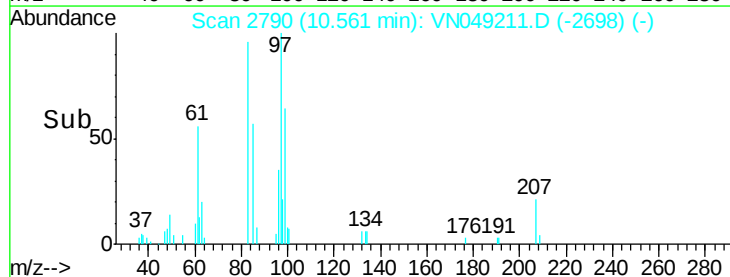
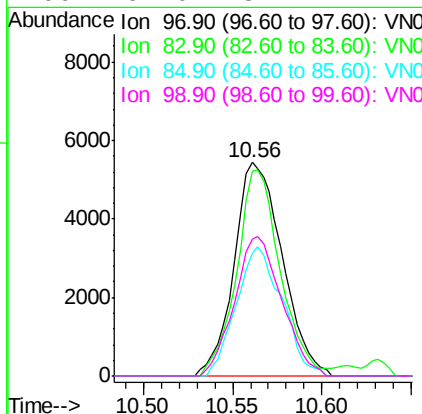
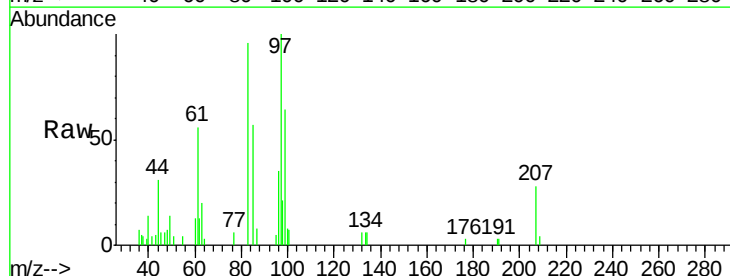
RT: 10.56 min Scan# 2790

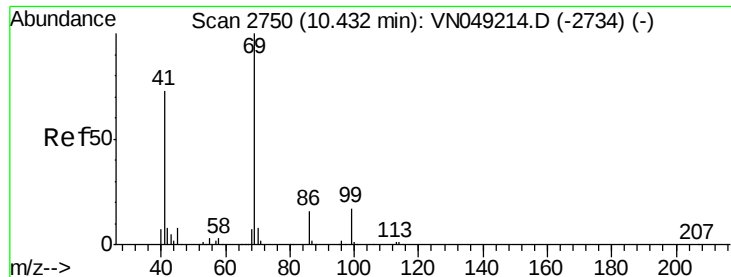
Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	97	Resp:	10230
Ion	Ratio	Lower	Upper
97	100		
83	95.7	71.5	107.3
85	57.3	47.0	70.4
99	64.0	51.4	77.2





#56

Ethyl methacrylate

Concen: 0.69 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

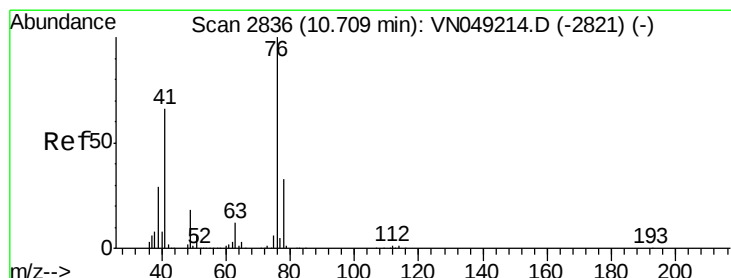
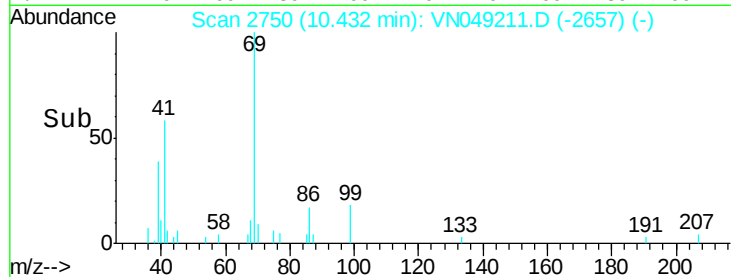
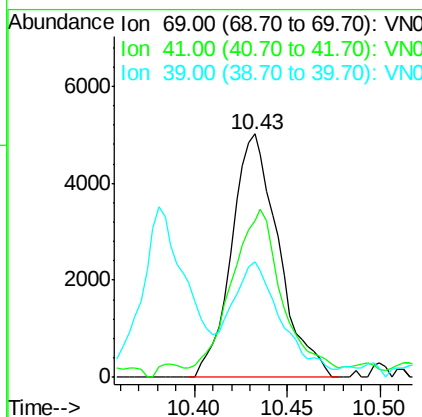
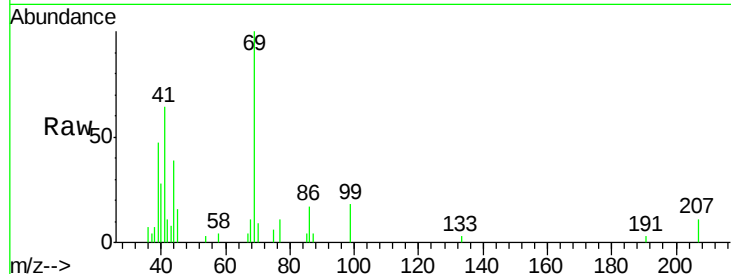
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	8868
Ion	Ratio	Lower	Upper
69	100		
41	69.4	58.4	87.6
39	51.4	35.5	53.3

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#57

1,3-Dichloropropane

Concen: 0.96 ug/l

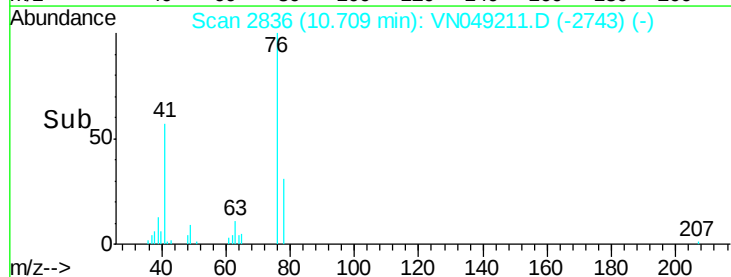
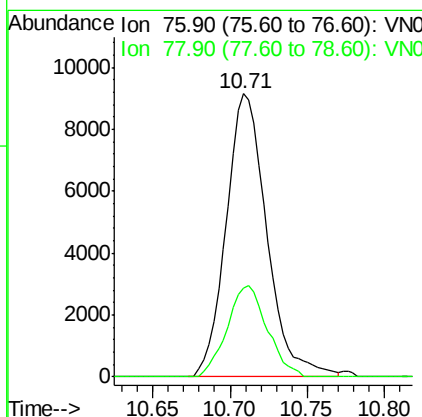
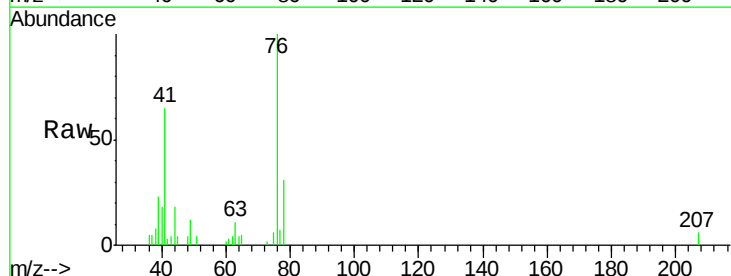
RT: 10.71 min Scan# 2836

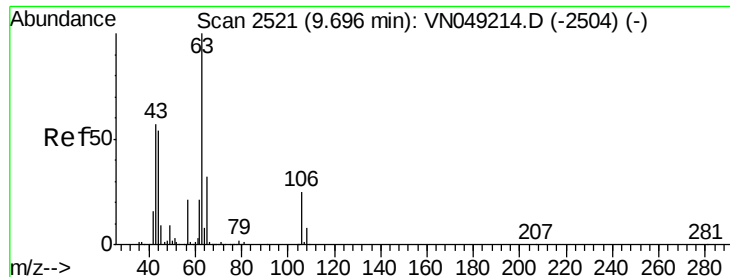
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	76	Resp:	16670
Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.3	39.5





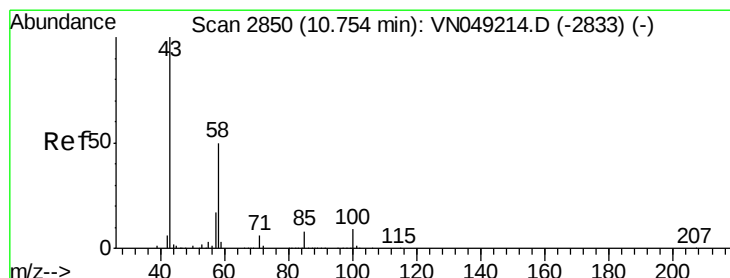
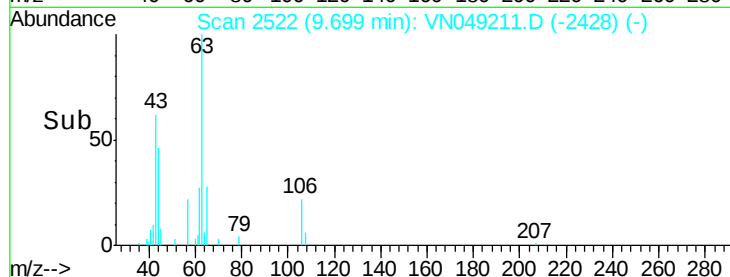
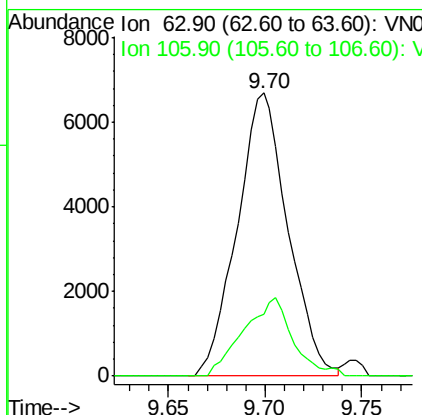
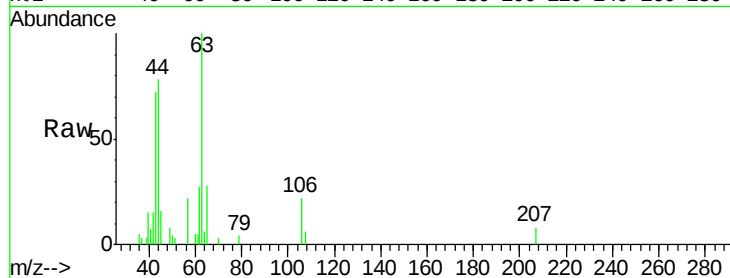
#58
2-Chloroethyl Vinyl ether
Concen: 2.87 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 12228
Ion Ratio Lower Upper
63 100
106 26.8 19.4 29.2

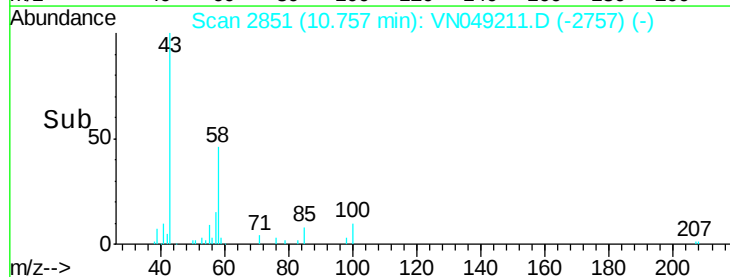
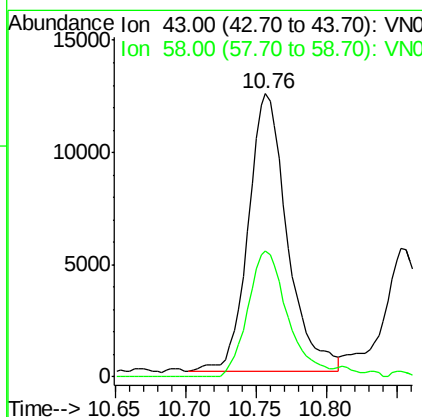
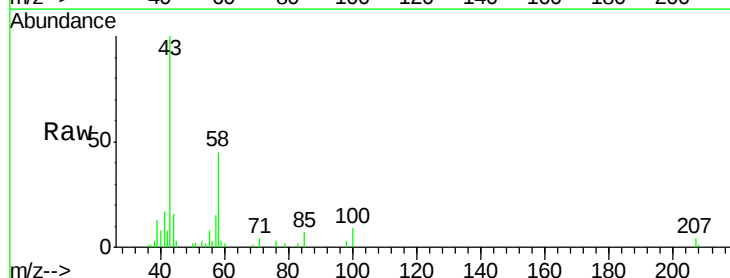
Manual Integrations
APPROVED

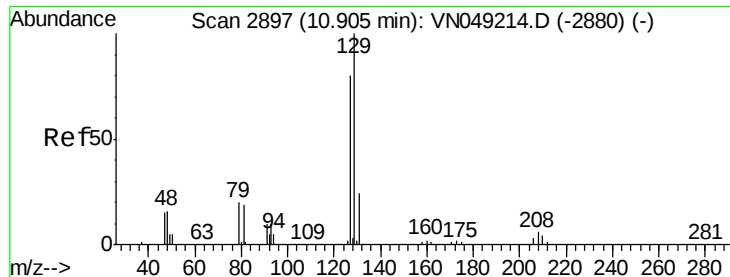
apatel
6/14/2018 5:07:07 PM



#59
2-Hexanone
Concen: 3.72 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 43 Resp: 23985
Ion Ratio Lower Upper
43 100
58 46.4 25.2 75.6





#60

Dibromochloromethane

Concen: 0.97 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 10715

Ion Ratio Lower Upper

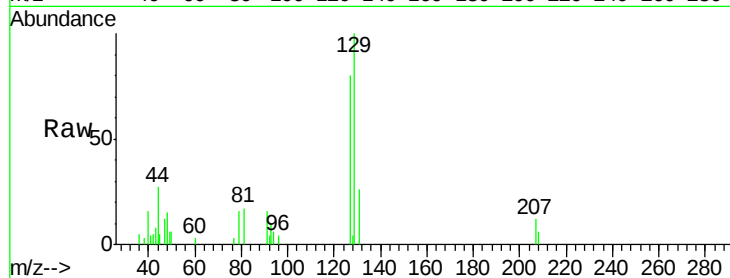
129 100

127 74.7 39.1 117.2

Manual Integrations
APPROVED

apatel

6/14/2018 5:07:07 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

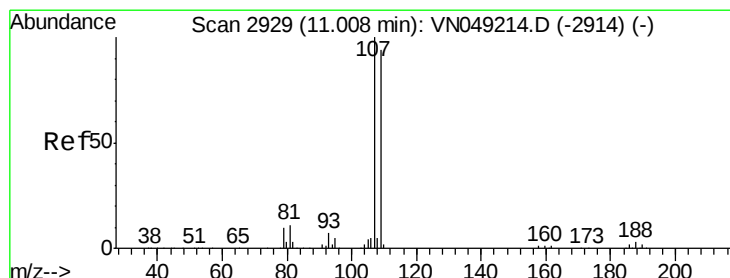
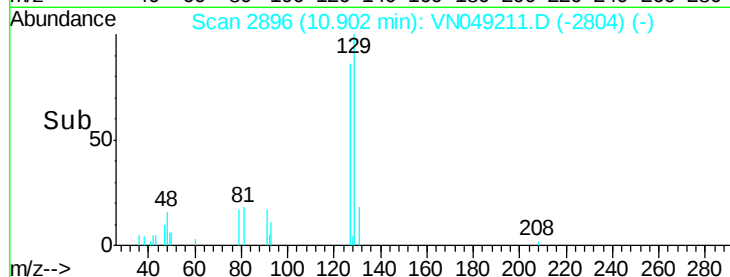
6000

4000

2000

0

Time-->



#61

1,2-Dibromoethane

Concen: 1.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049211.D

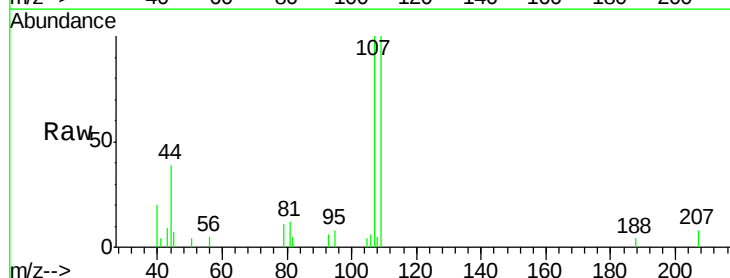
Acq: 13 Jun 2018 20:10

Tgt Ion:107 Resp: 9340

Ion Ratio Lower Upper

107 100

109 90.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

5000

4000

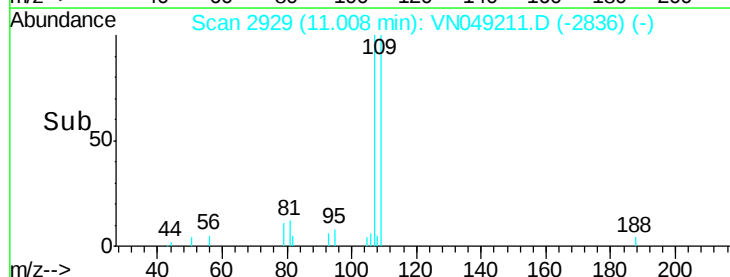
3000

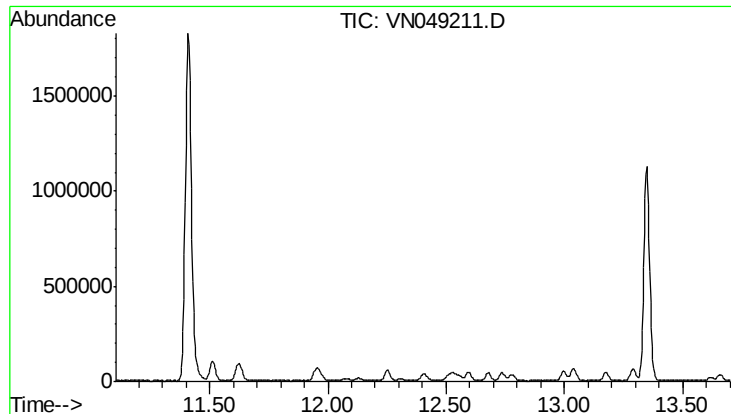
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tot Ion: 95

Sig Exp Ratio

95 100

174 82.8

176 78.7

Instrument :

MSVOA_N

ClientSampleId :

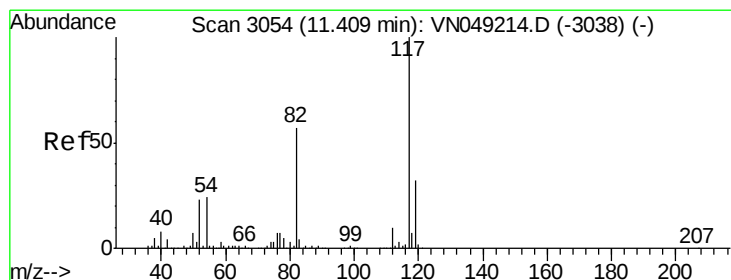
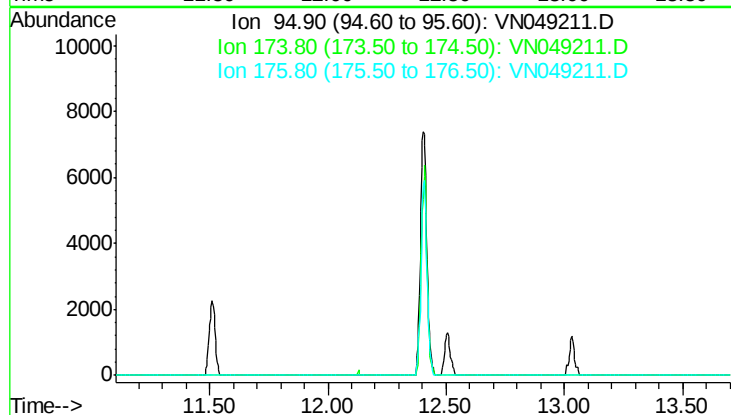
VSTDIC001

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:07 PM



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

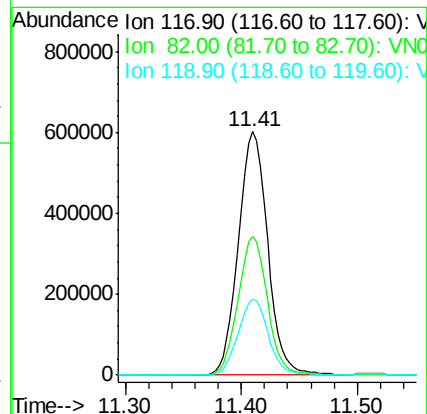
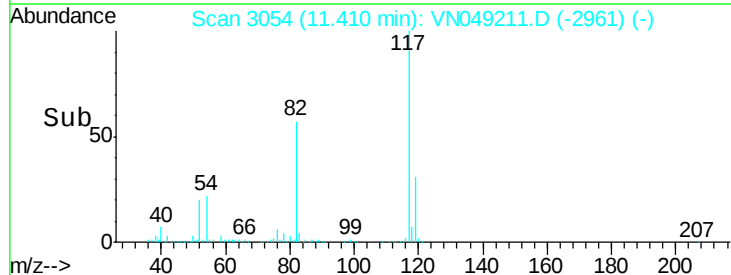
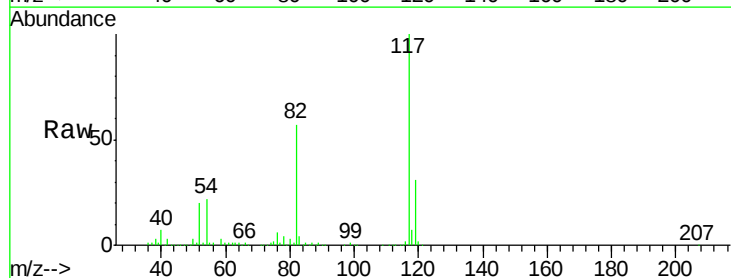
Tgt Ion:117 Resp: 1054223

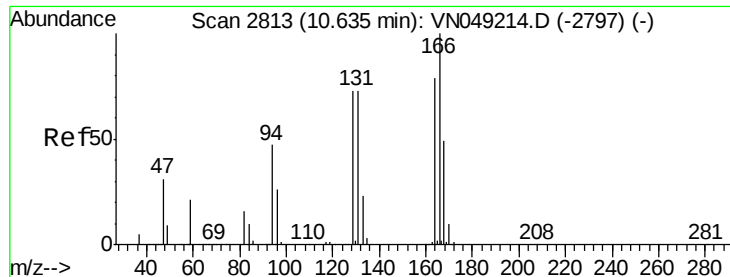
Ion Ratio Lower Upper

117 100

82 57.1 45.9 68.9

119 31.3 25.5 38.3





#64

Tetrachloroethene

Concen: 1.19 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:164 Resp: 12119

Ion Ratio Lower Upper

164 100

166 136.5 101.4 152.2

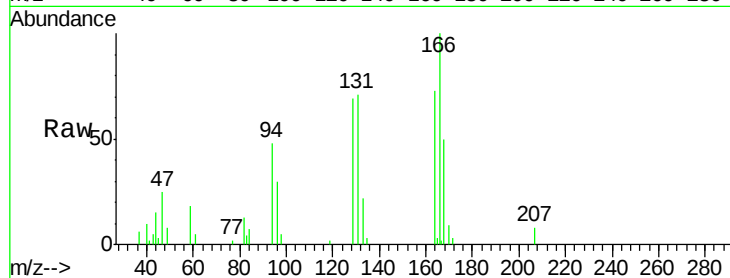
129 94.4 74.1 111.1

131 96.6 73.7 110.5

Manual Integrations
APPROVED

apatel

6/14/2018 5:07:07 PM

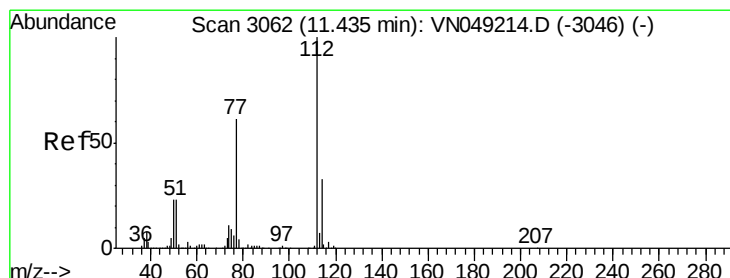
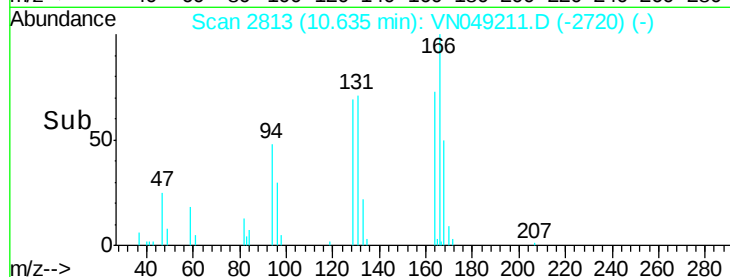
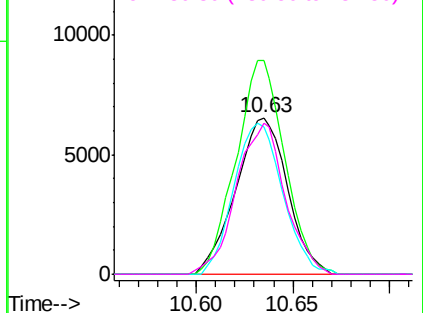


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.06 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049211.D

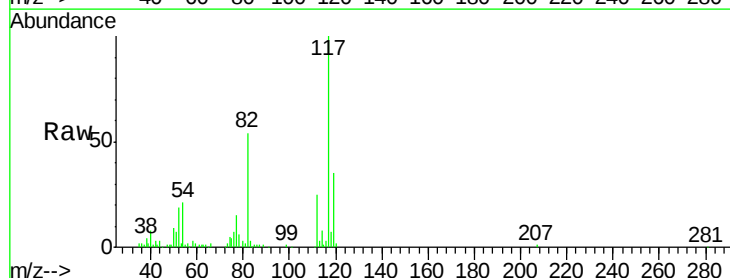
Acq: 13 Jun 2018 20:10

Tgt Ion:112 Resp: 28767

Ion Ratio Lower Upper

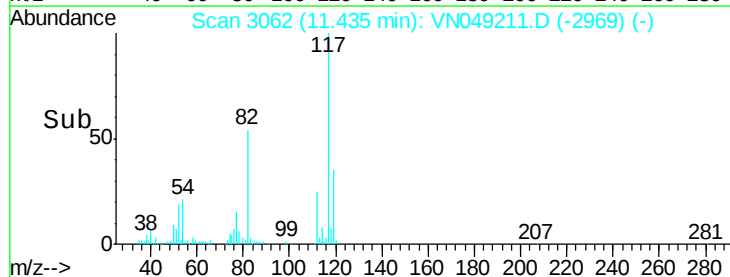
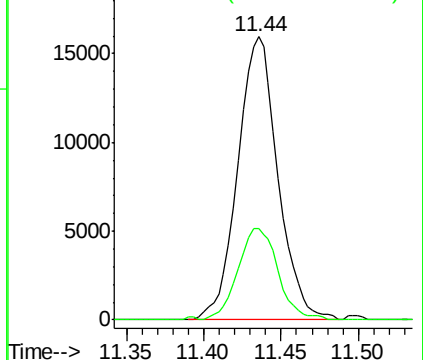
112 100

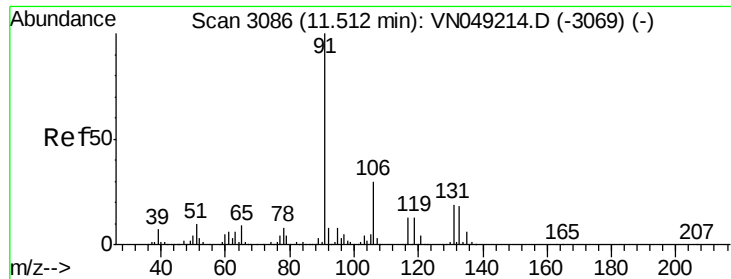
114 32.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

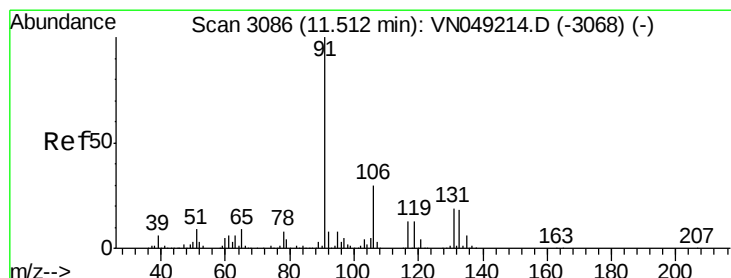
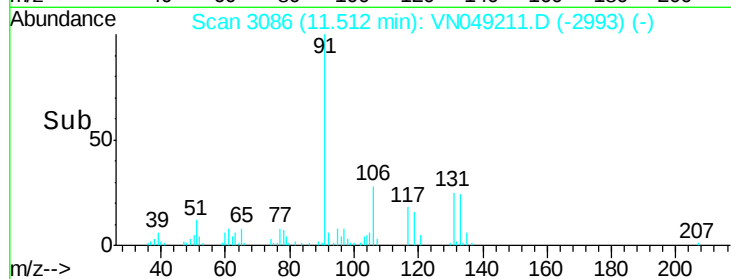
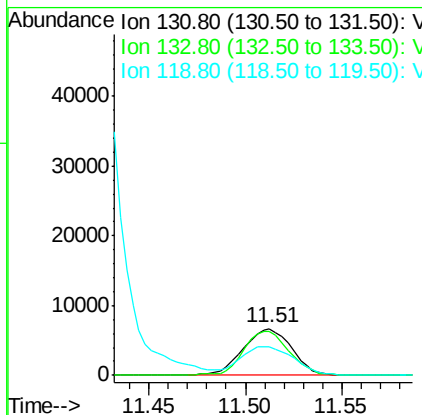
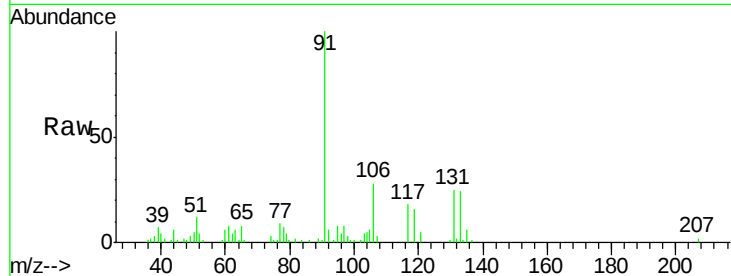
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	89.9	48.0	144.2
119	0.0	33.6	100.8#

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#67

Ethyl Benzene

Concen: 0.89 ug/l

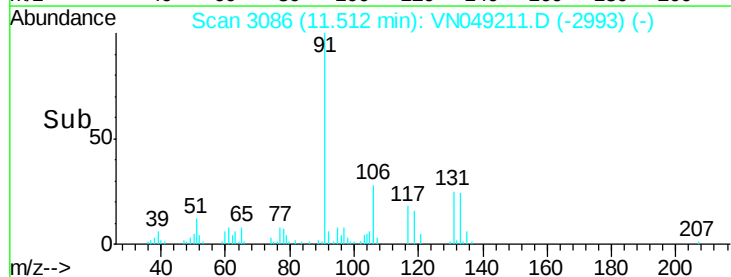
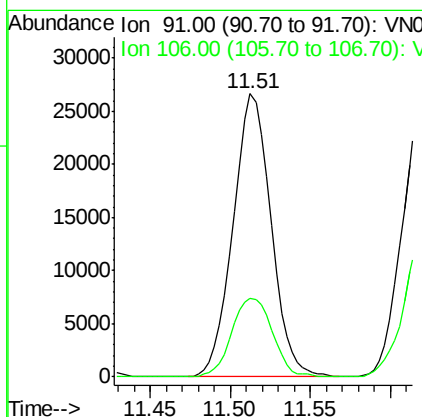
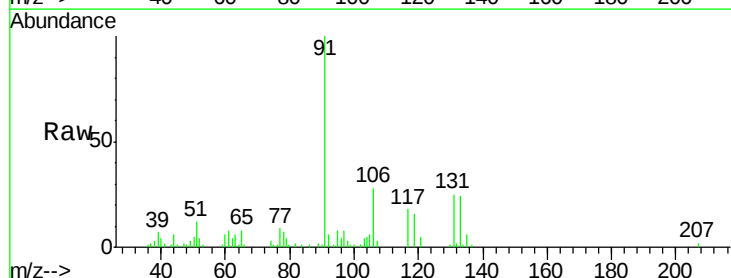
RT: 11.51 min Scan# 3086

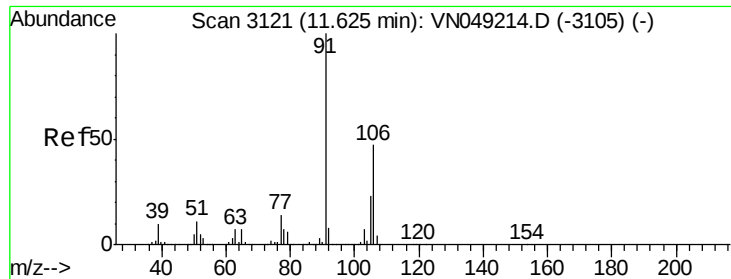
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.6	23.9	35.9





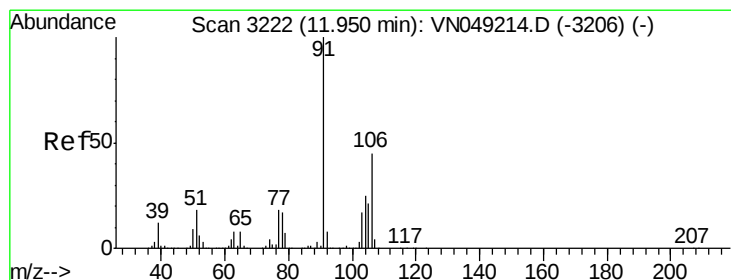
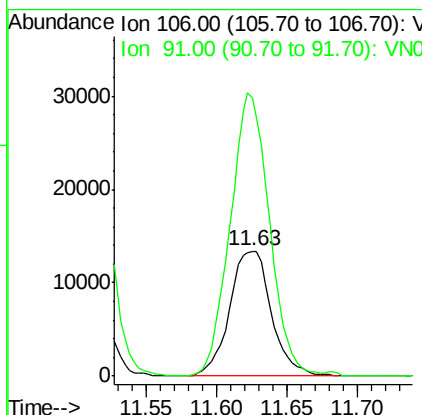
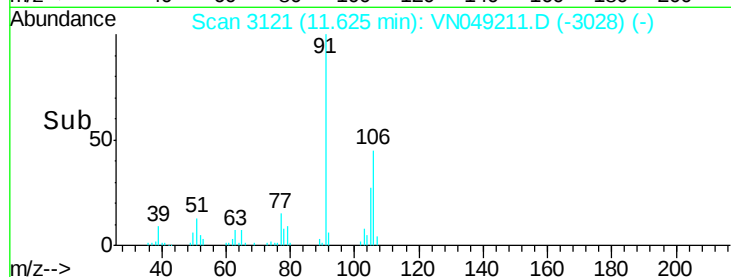
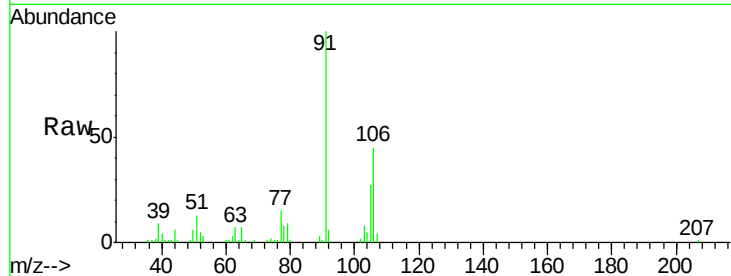
#68
m/p-Xylenes
Concen: 1.55 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 27861
Ion Ratio Lower Upper
106 100
91 211.6 167.3 250.9

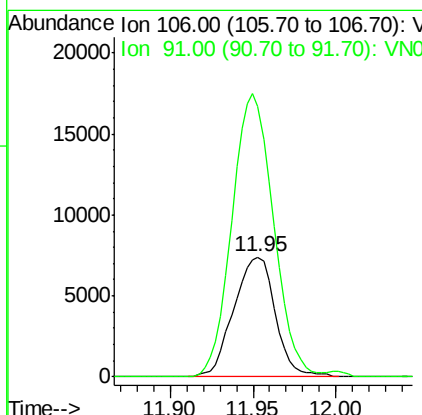
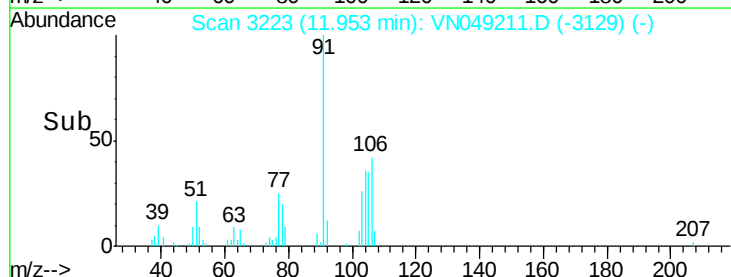
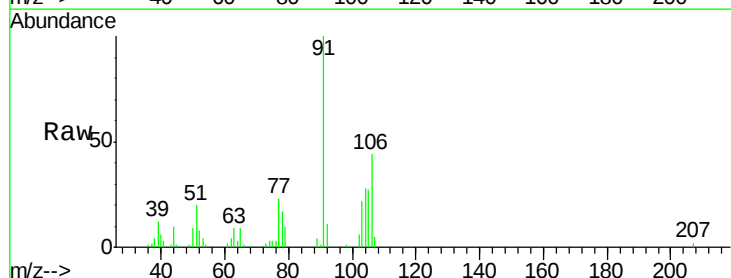
Manual Integrations
APPROVED

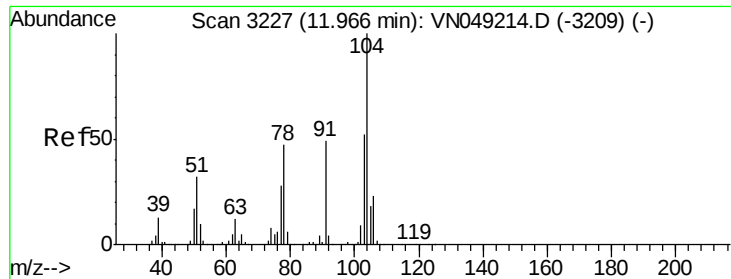
apatel
6/14/2018 5:07:07 PM



#69
o-Xylene
Concen: 0.75 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:106 Resp: 12861
Ion Ratio Lower Upper
106 100
91 236.4 111.0 333.0





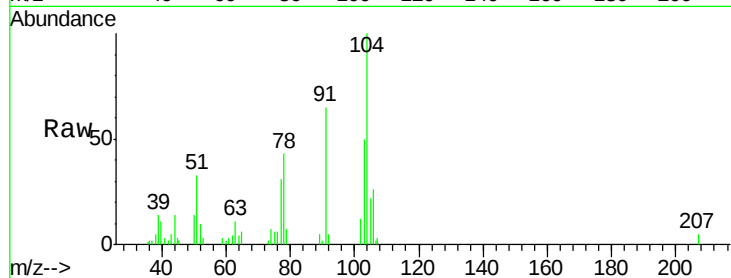
#70
Stvrene
Concen: 0.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

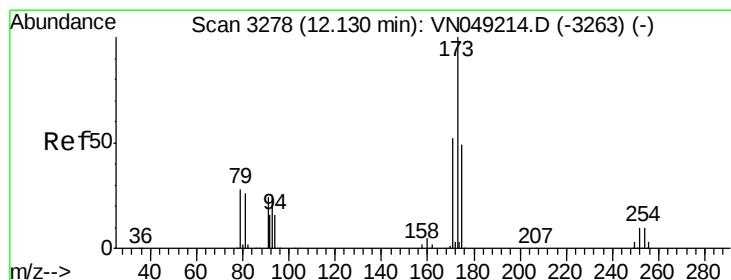
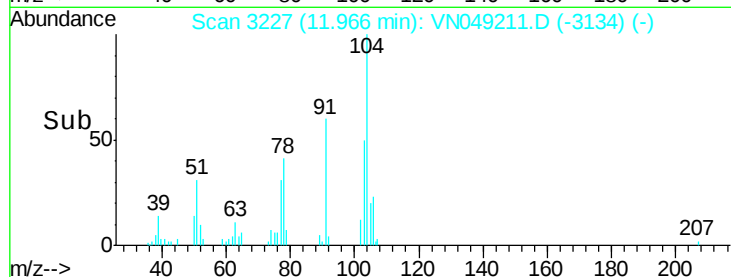
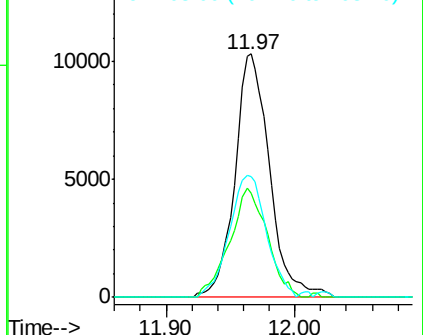
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	41.6	62.4
103	53.6	45.4	68.2

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM

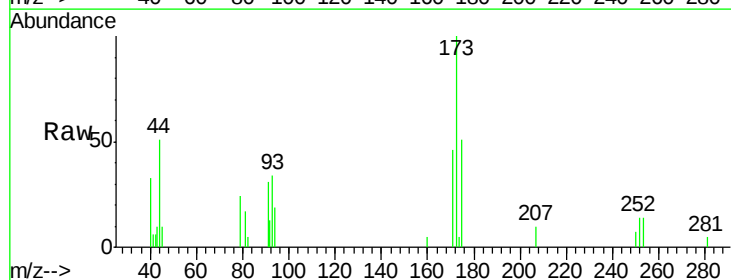


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

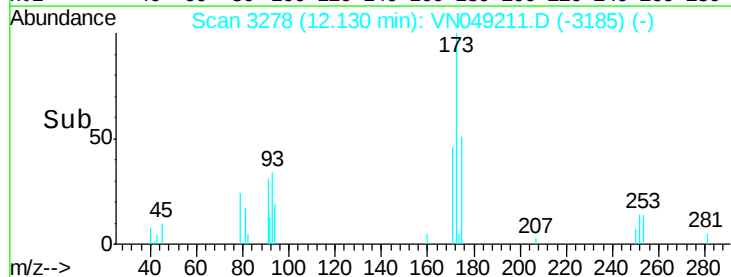
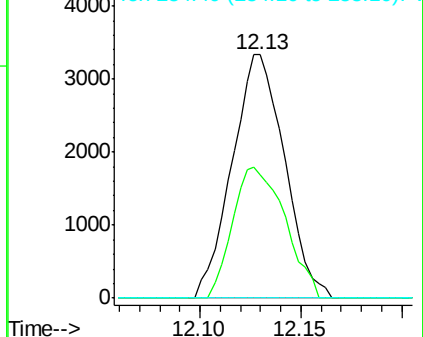


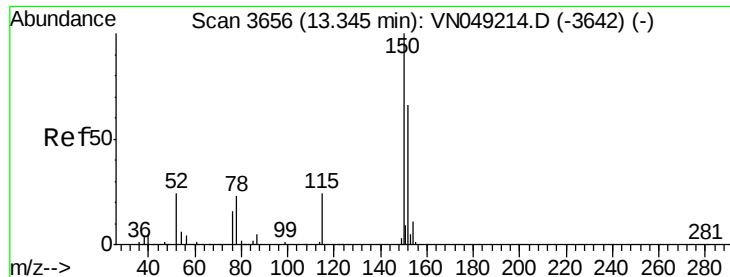
#71
Bromoform
Concen: 0.92 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.5	73.5
254	0.0	0.1	0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 304938

Ion Ratio Lower Upper

152 100

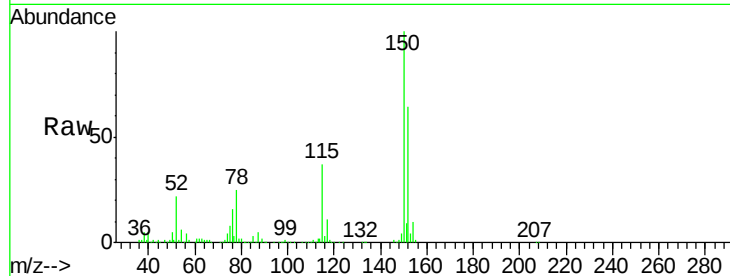
115 58.0 28.7 86.1

150 155.4 0.0 351.0

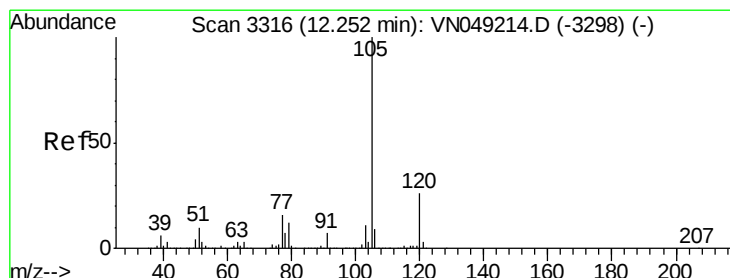
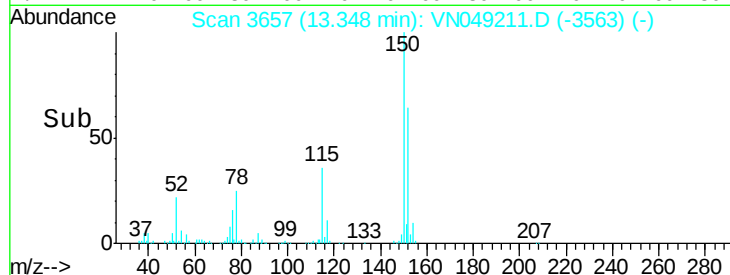
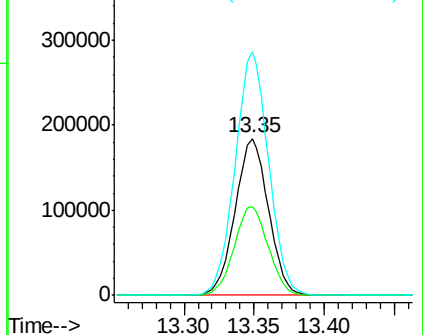
Manual Integrations
APPROVED

apatel

6/14/2018 5:07:07 PM



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: 1.24 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049211.D

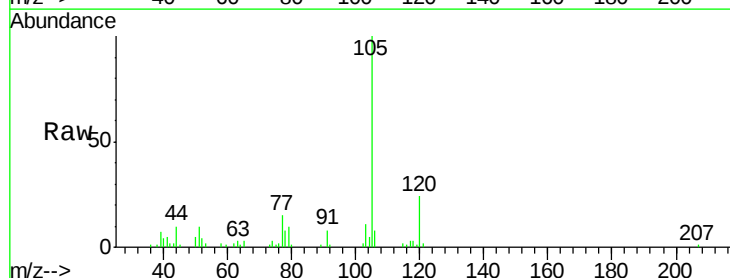
Acq: 13 Jun 2018 20:10

Tgt Ion:105 Resp: 34923

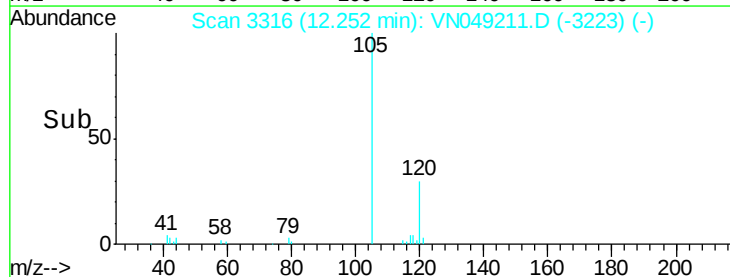
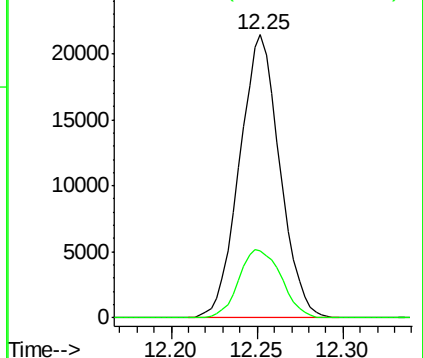
Ion Ratio Lower Upper

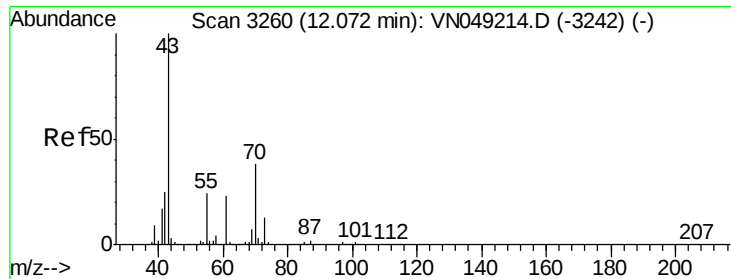
105 100

120 25.3 12.8 38.3



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





#74

N-amvl acetate

Concen: 1.12 ug/l

RT: 12.08 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

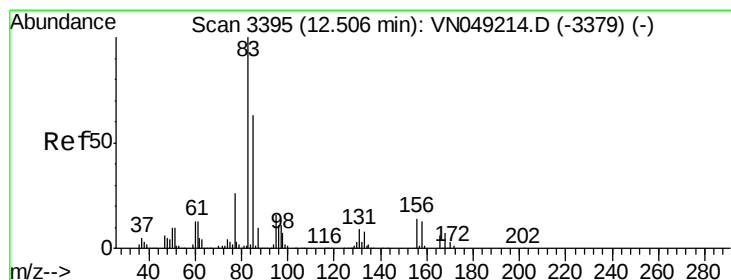
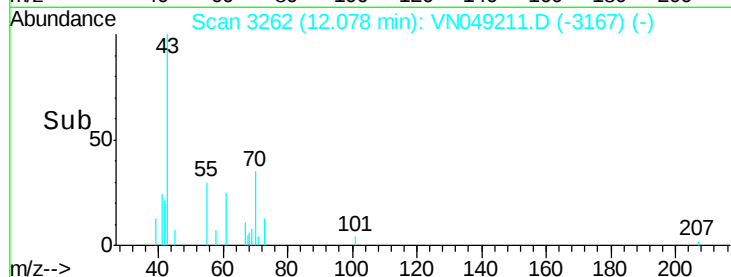
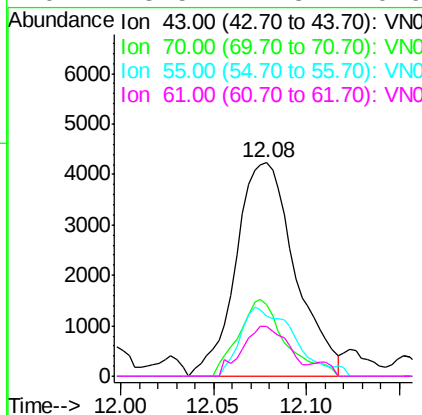
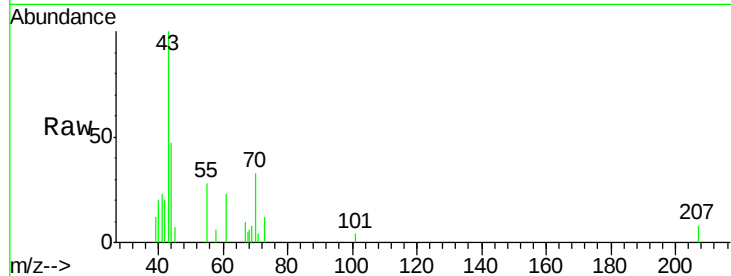
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	9417
Ion	Ratio	Lower	Upper
43	100		
70	28.4	30.3	45.5#
55	29.6	19.4	29.2#
61	18.5	17.8	26.6

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 1.62 ug/l

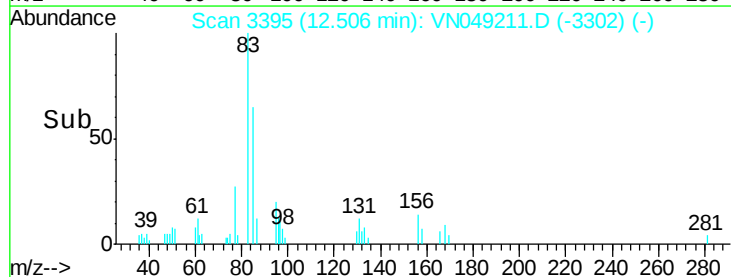
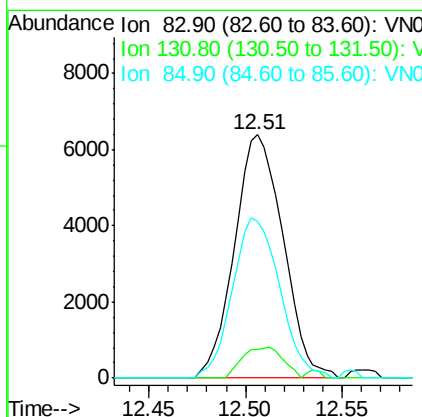
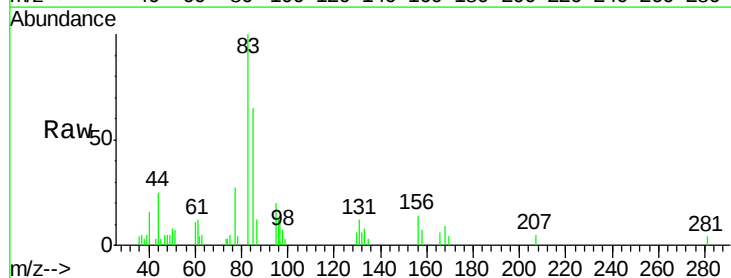
RT: 12.51 min Scan# 3395

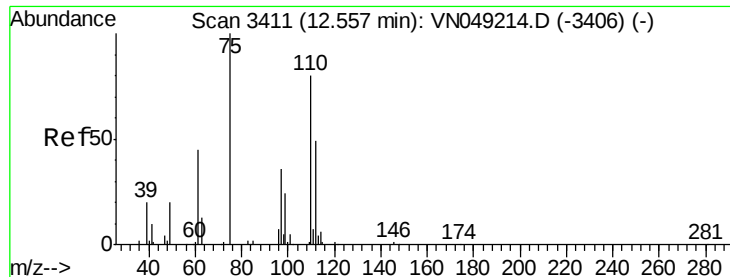
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	83	Resp:	11175
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	64.0	32.0	96.0





#76

1,2,3-Trichloropropane

Concen: 1.31 ug/l m

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 7663

Ion Ratio Lower Upper

75 100

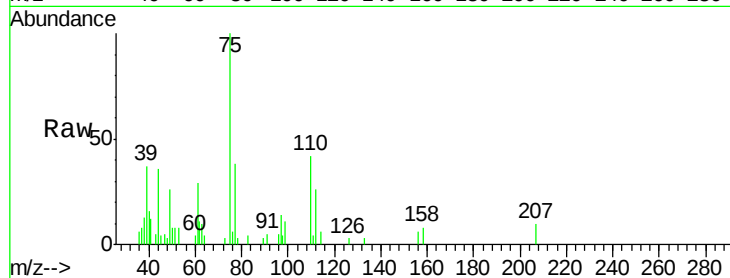
77 0.0 0.0 0.0

Manual Integrations

APPROVED

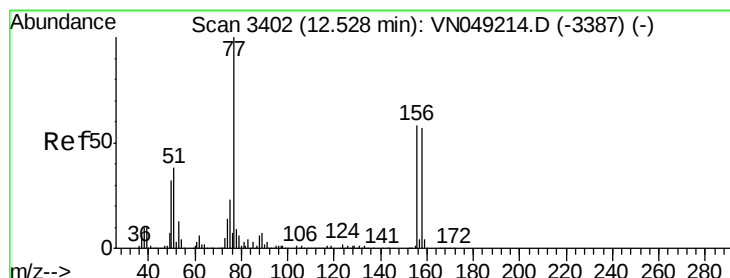
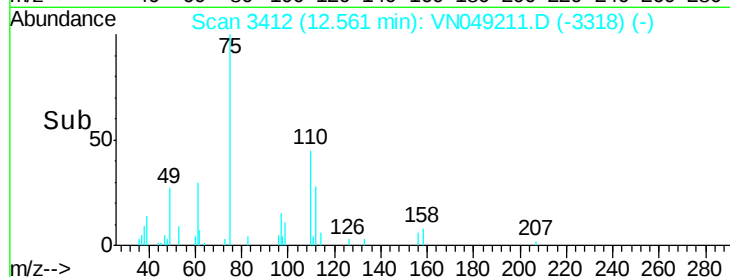
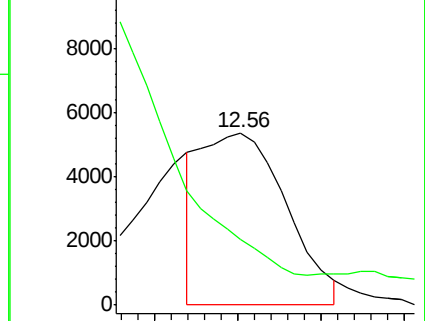
apatel

6/14/2018 5:07:07 PM



Abundance Ion 74.90 (74.60 to 75.60): VN049211.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN049211.D (-3406) (-)



#77

Bromobenzene

Concen: 1.50 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

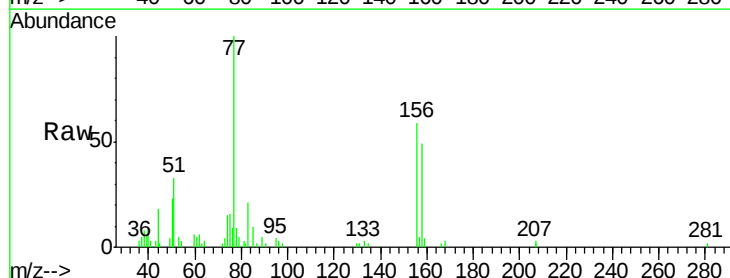
Tgt Ion: 156 Resp: 9975

Ion Ratio Lower Upper

156 100

77 200.6 100.8 302.4

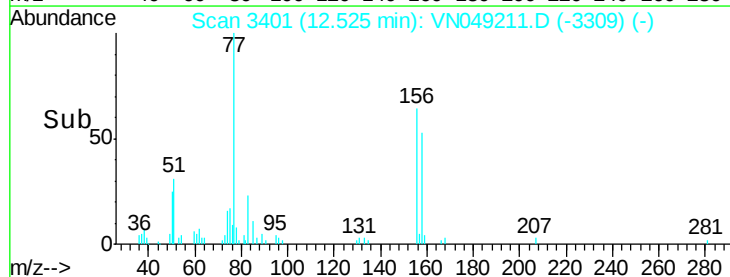
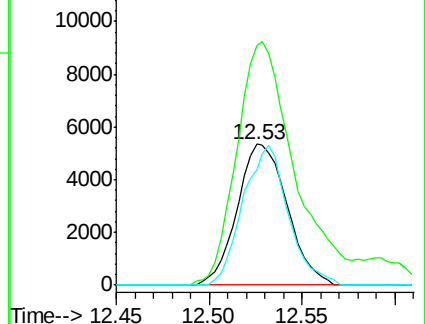
158 90.3 49.3 147.9

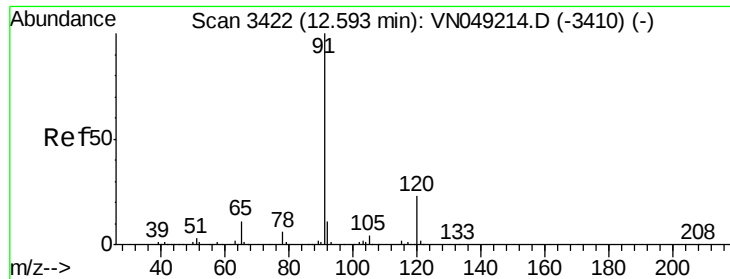


Abundance Ion 155.80 (155.50 to 156.50): VN049211.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN049211.D (-3309) (-)

Ion 157.80 (157.50 to 158.50): VN049211.D (-3309) (-)





#78

n-propylbenzene

Concen: 1.07 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 34630

Ion Ratio Lower Upper

91 100

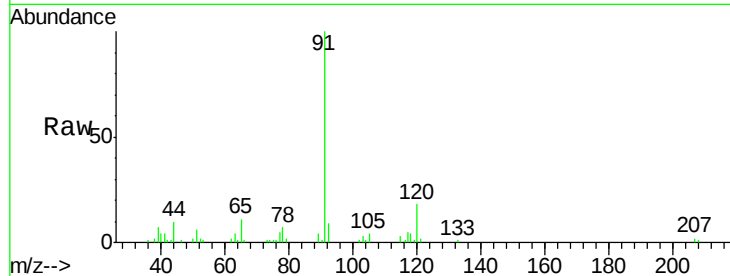
120 20.2 11.2 33.5

Manual Integrations

APPROVED

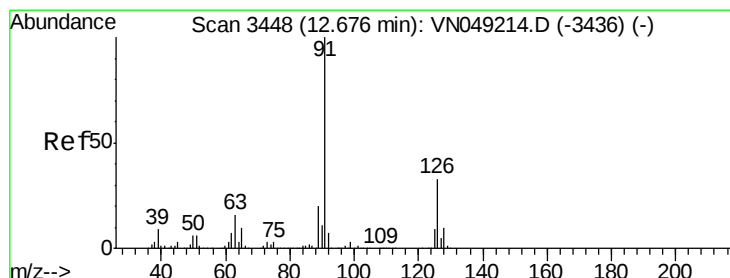
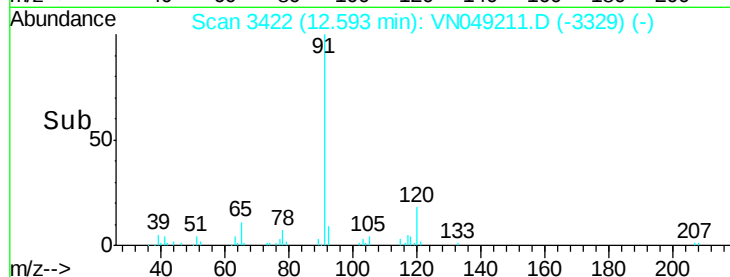
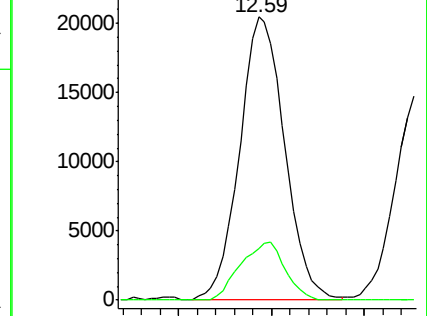
apatel

6/14/2018 5:07:07 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.25 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049211.D

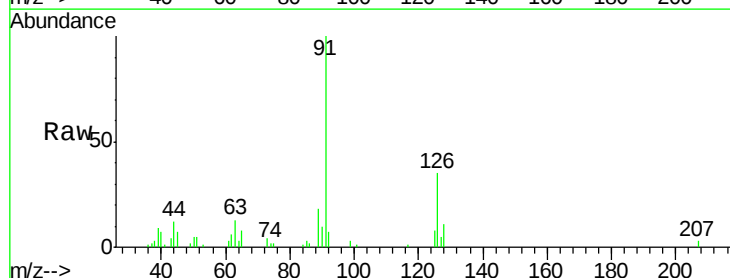
Acq: 13 Jun 2018 20:10

Tgt Ion: 91 Resp: 24561

Ion Ratio Lower Upper

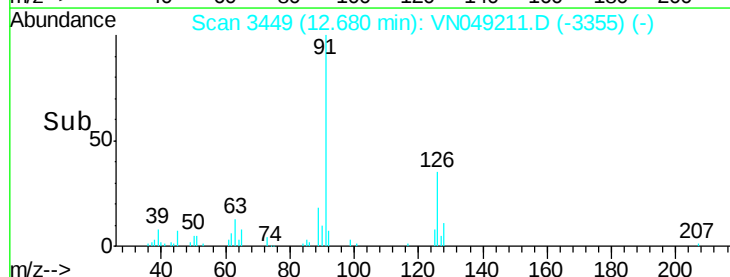
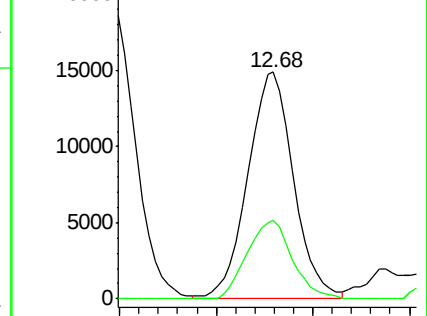
91 100

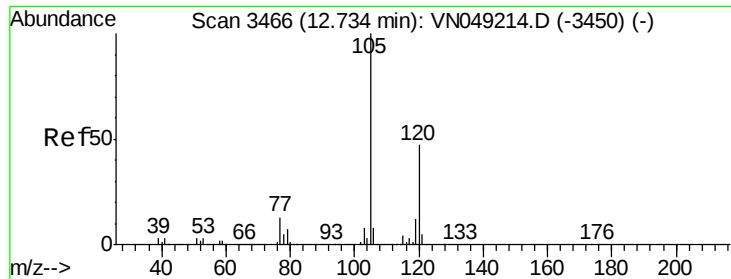
126 33.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





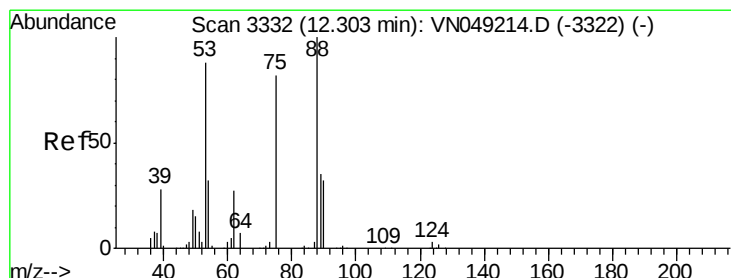
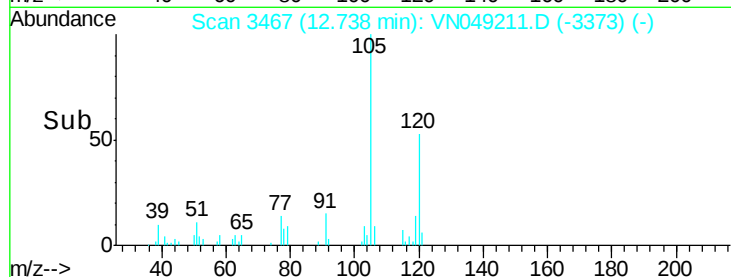
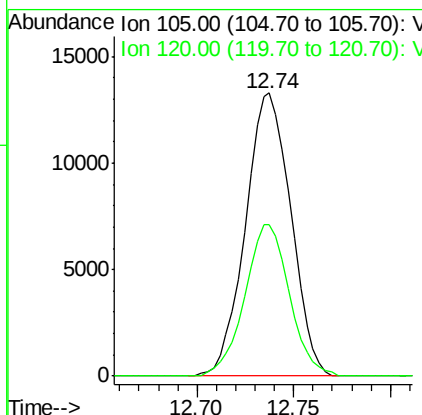
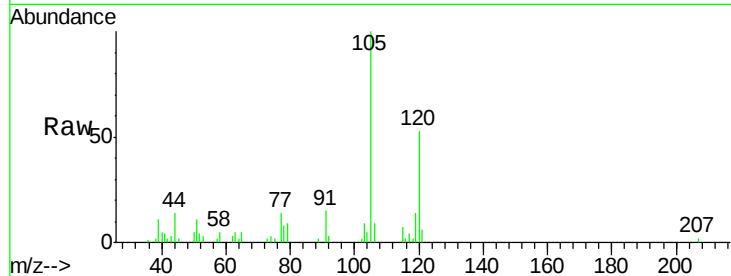
#80
 1,3,5-Trimethylbenzene
 Concen: 0.96 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.6	23.5	70.5

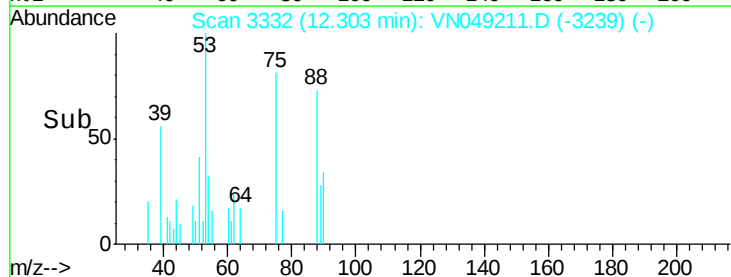
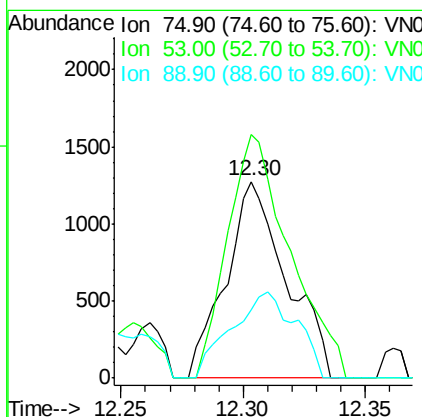
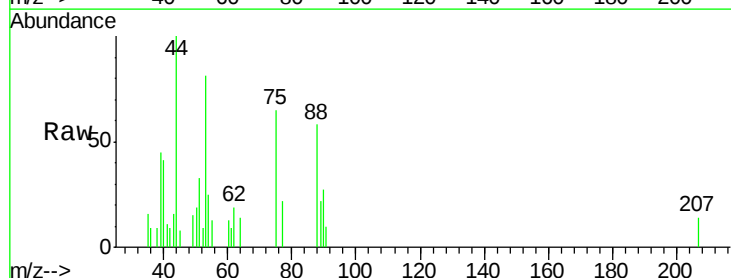
Manual Integrations
 APPROVED

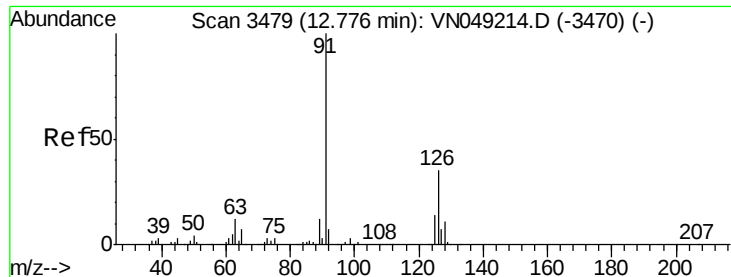
apatel
 6/14/2018 5:07:07 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.19 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
53	128.1	82.7	124.1#
89	46.5	36.5	54.7





#82

4-Chlorotoluene

Concen: 1.05 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 20184

Ion Ratio Lower Upper

91 100

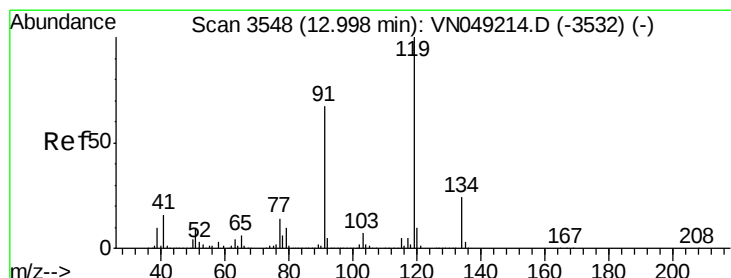
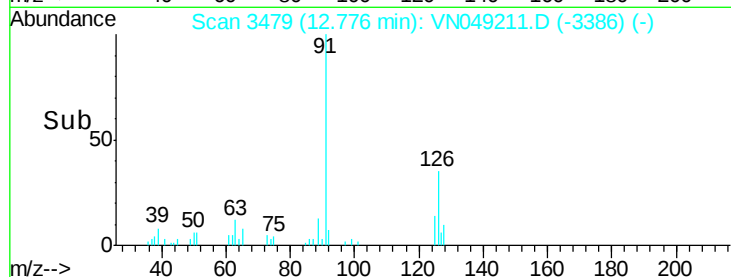
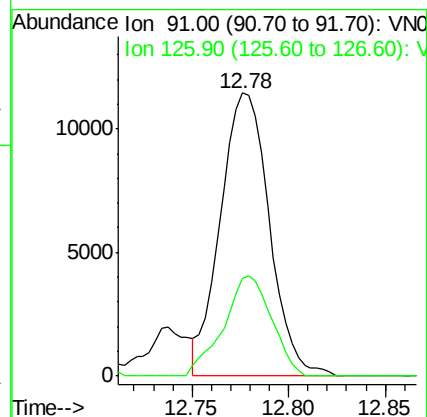
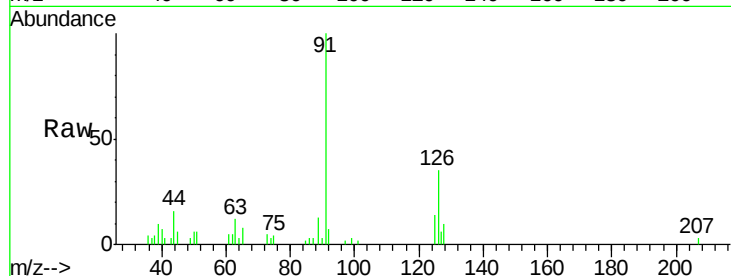
126 34.4 16.4 49.1

Manual Integrations

APPROVED

apatel

6/14/2018 5:07:07 PM



#83

tert-Butylbenzene

Concen: 1.13 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

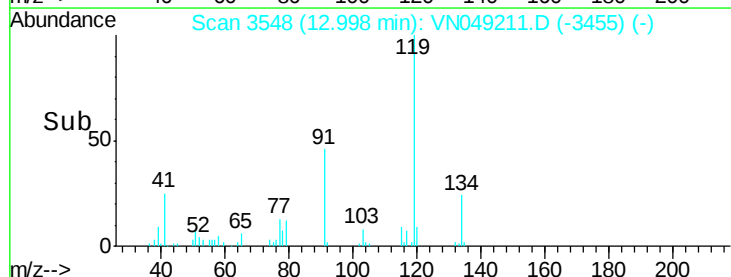
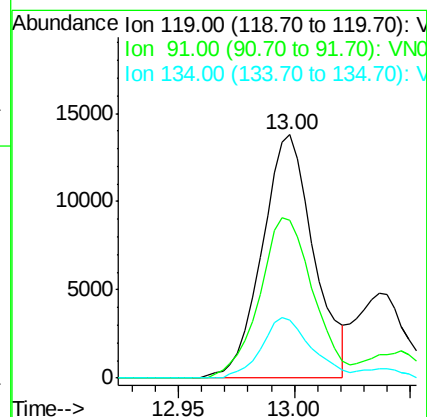
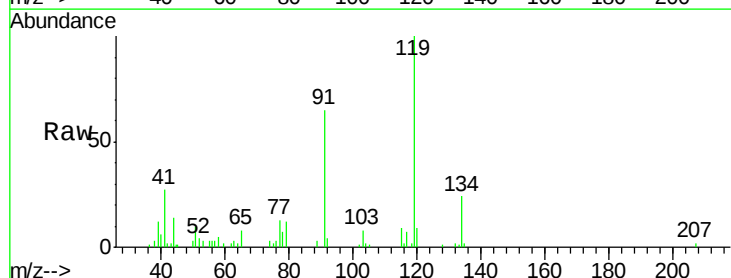
Tgt Ion: 119 Resp: 21455

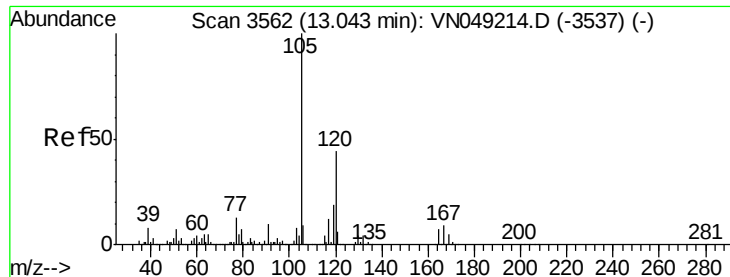
Ion Ratio Lower Upper

119 100

91 68.2 33.7 101.0

134 23.8 12.9 38.6





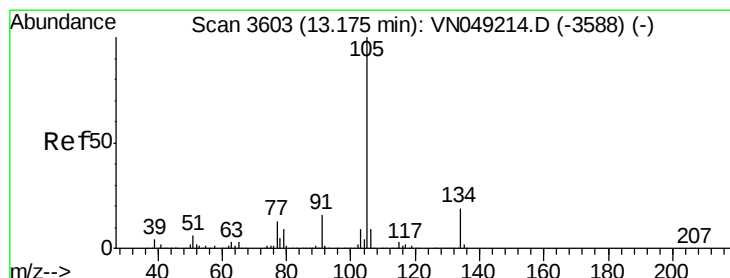
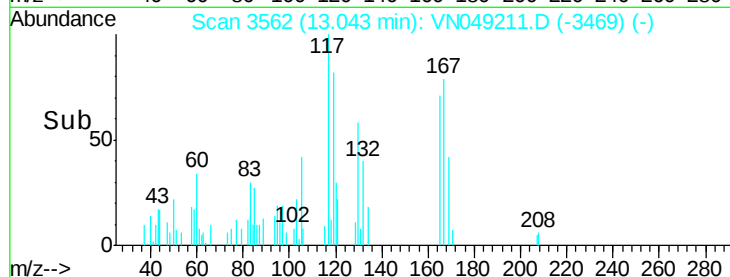
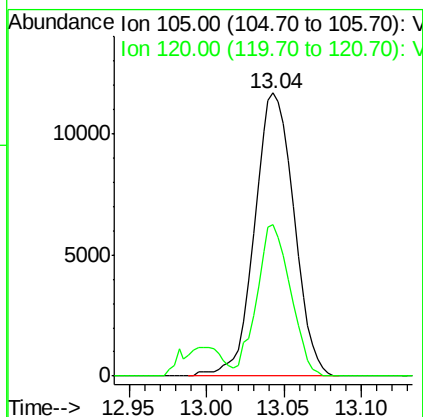
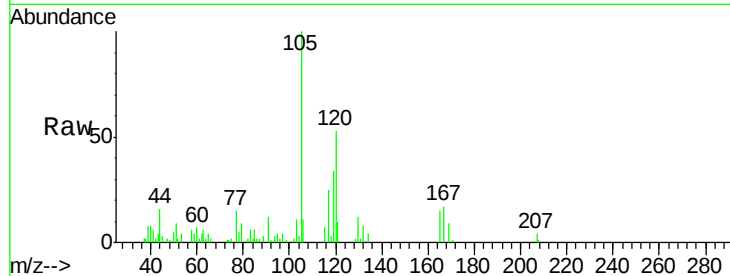
#84
 1,2,4-Trimethylbenzene
 Concen: 0.91 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.2	66.6

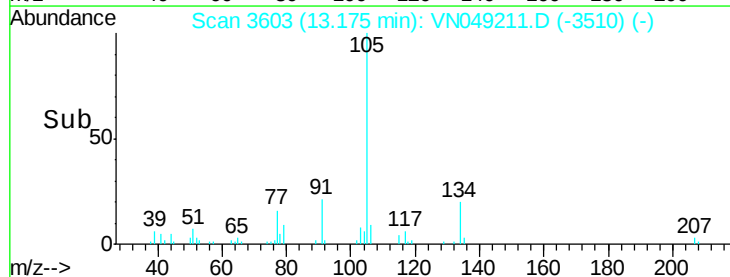
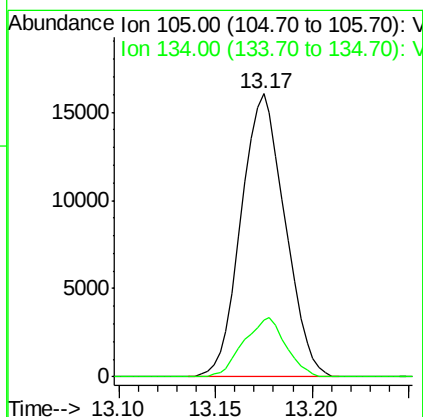
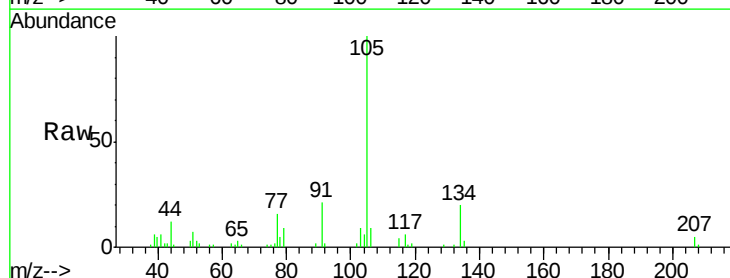
Manual Integrations
 APPROVED

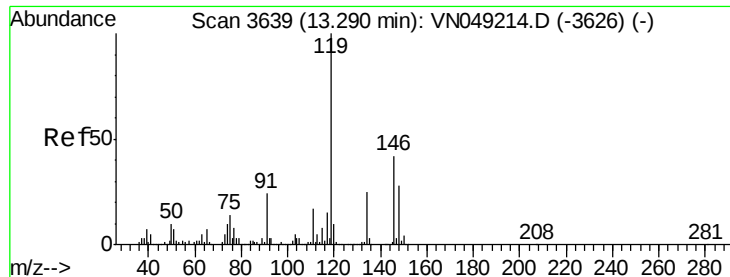
apatel
 6/14/2018 5:07:07 PM



#85
 sec-Butylbenzene
 Concen: 0.98 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.3





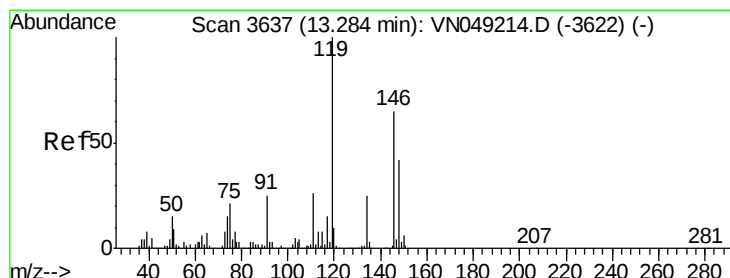
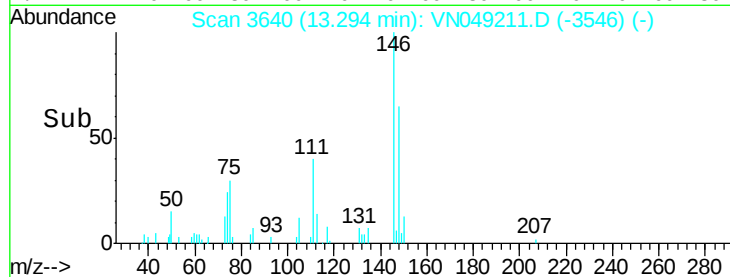
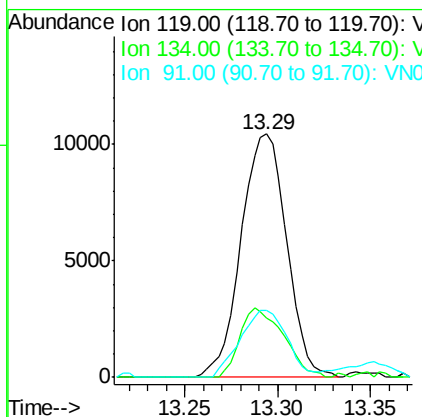
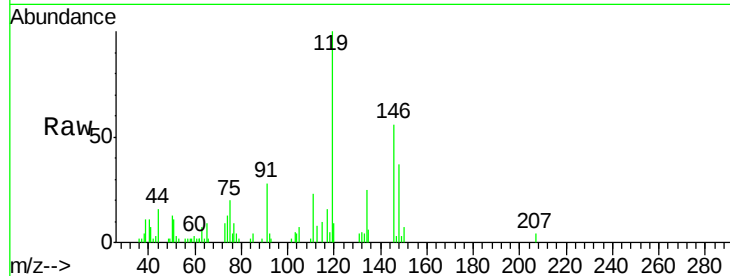
#86
 p-Isopropyltoluene
 Concen: 0.83 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	17825		
134	27.3		12.9	38.6
91	28.2		12.1	36.3

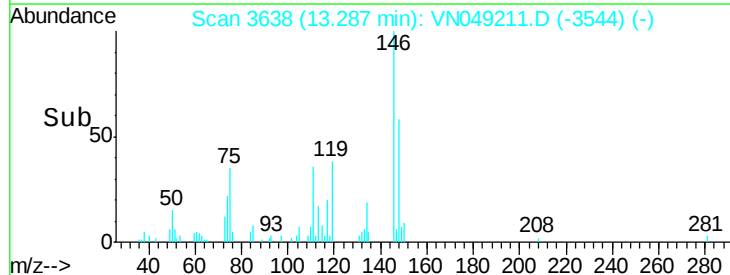
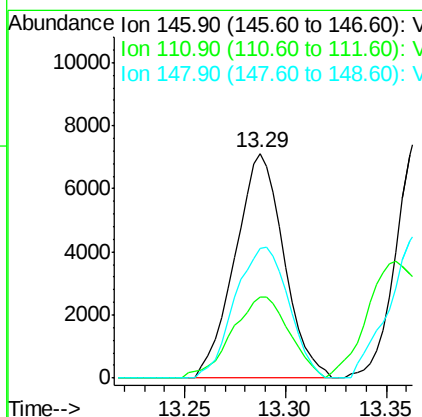
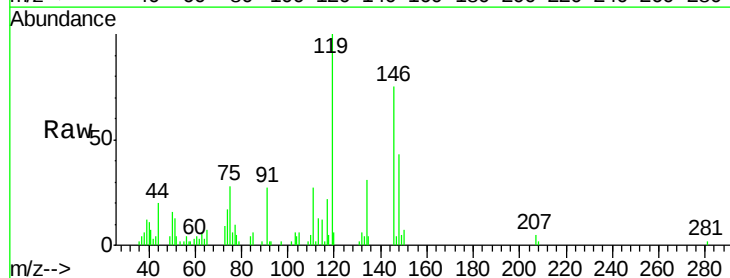
Manual Integrations
 APPROVED

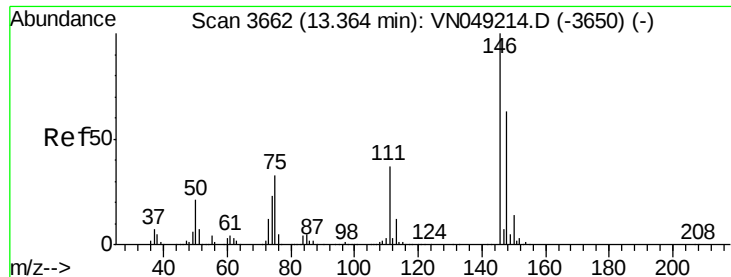
apatel
 6/14/2018 5:07:07 PM



#87
 1,3-Dichlorobenzene
 Concen: 1.05 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	12055		
111	42.3		19.9	59.6
148	64.1		32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 1.14 ug/l m

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

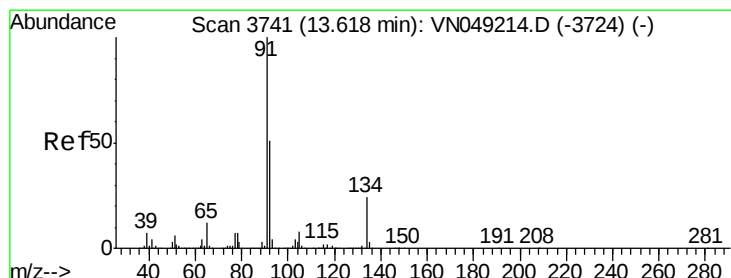
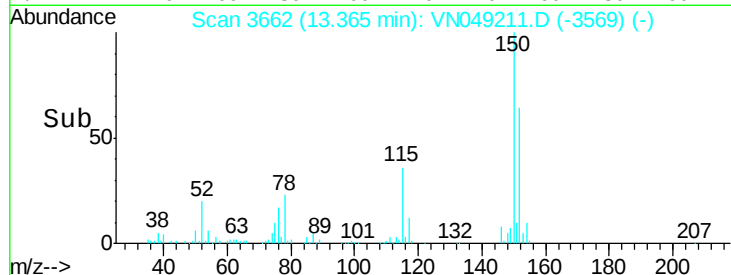
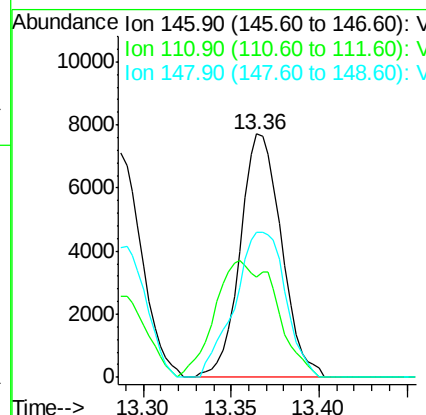
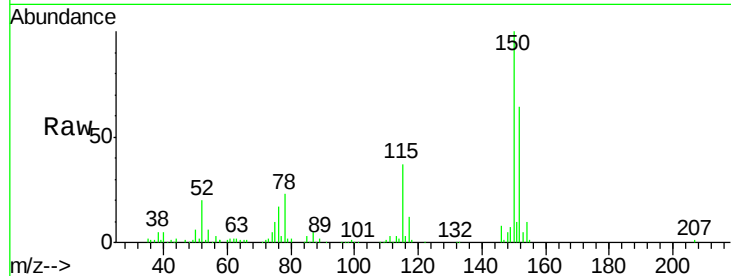
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	12592
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.1	57.1
148	61.4	32.0	96.2

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#89

n-Butylbenzene

Concen: 0.58 ug/l

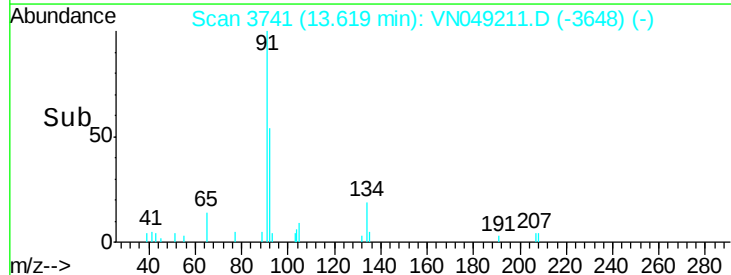
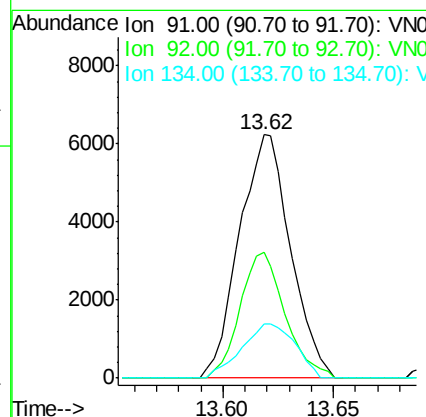
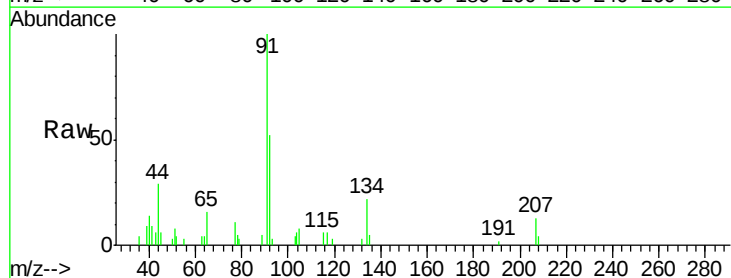
RT: 13.62 min Scan# 3741

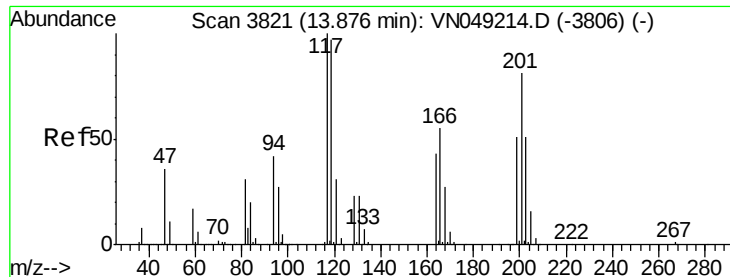
Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	91	Resp:	10036
Ion Ratio	Lower	Upper	
91	100		
92	45.5	25.1	75.4
134	23.2	12.0	36.0





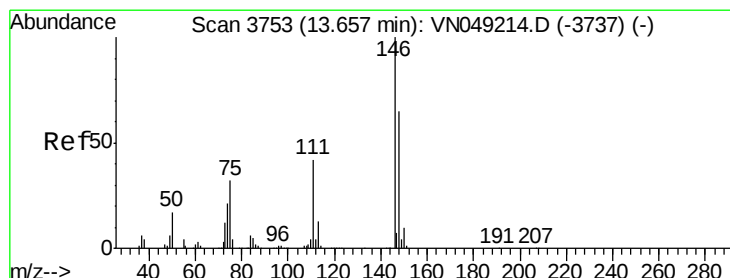
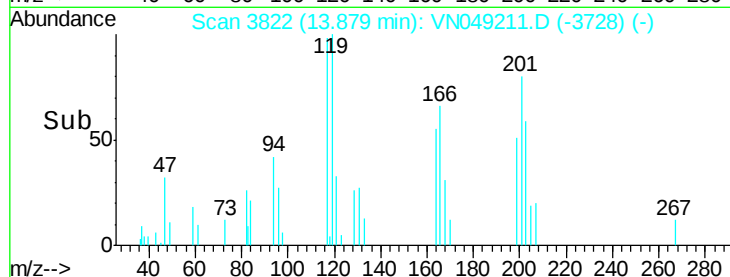
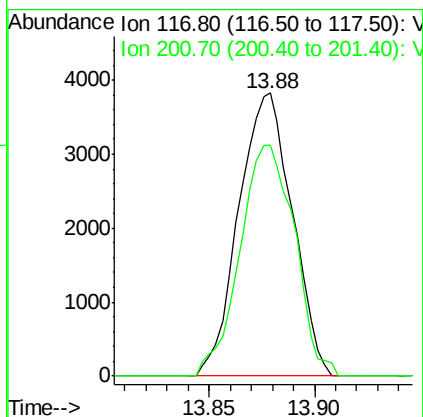
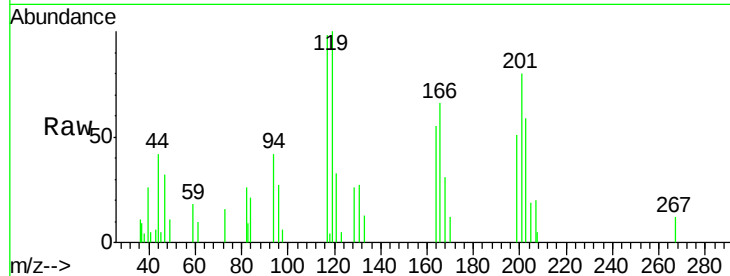
#90
Hexachloroethane
Concen: 1.46 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 6754
Ion Ratio Lower Upper
117 100
201 83.3 40.1 120.2

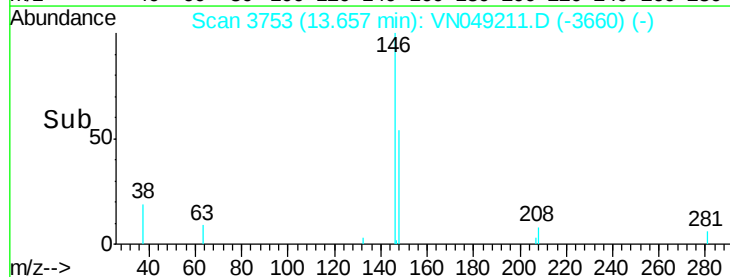
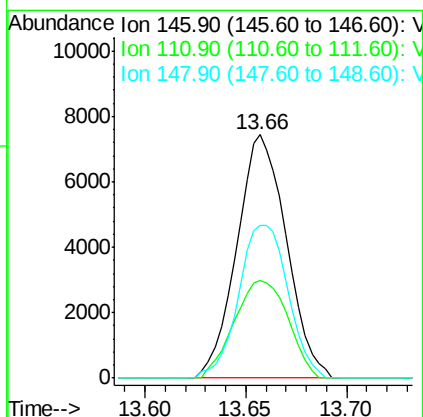
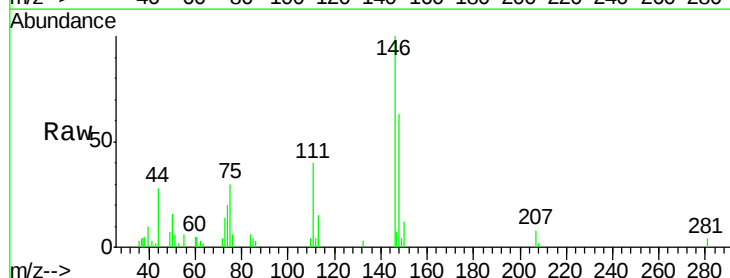
Manual Integrations
APPROVED

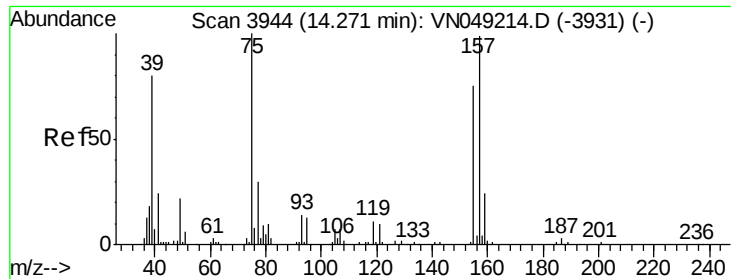
apatel
6/14/2018 5:07:07 PM



#91
1,2-Dichlorobenzene
Concen: 1.16 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:146 Resp: 12789
Ion Ratio Lower Upper
146 100
111 43.5 20.8 62.2
148 62.9 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.23 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

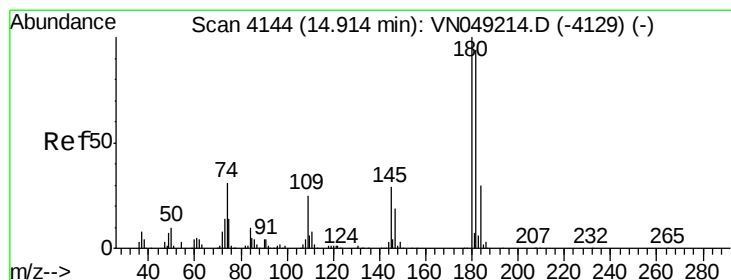
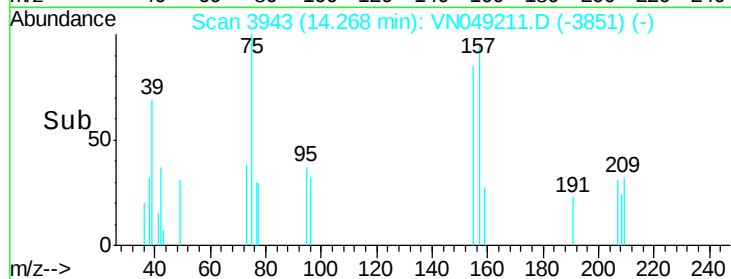
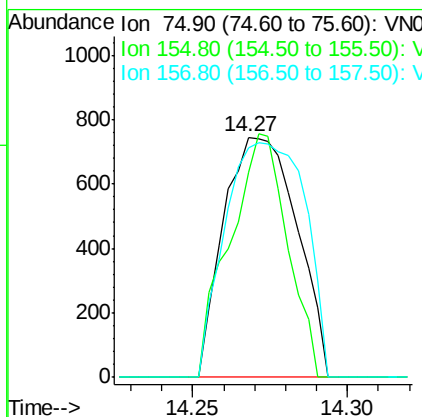
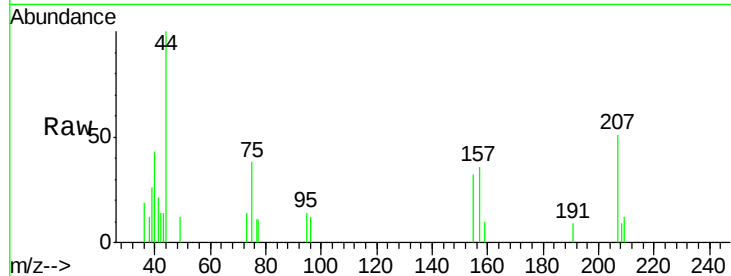
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	1222
Ion	Ratio	Lower	Upper
75	100		
155	80.0	38.8	116.3
157	107.0	51.0	153.1

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



#93

1,2,4-Trichlorobenzene

Concen: 0.87 ug/l

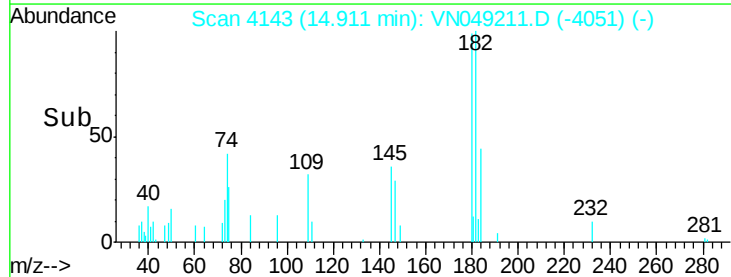
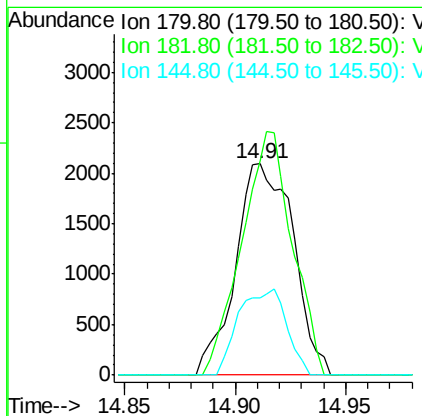
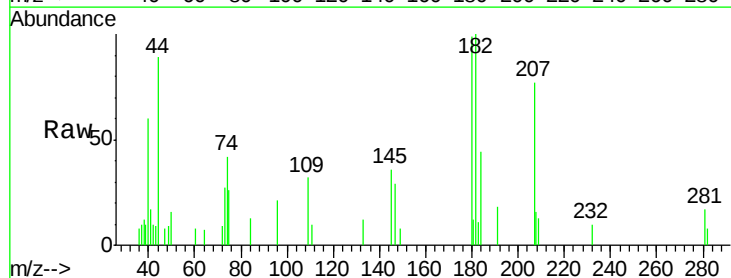
RT: 14.91 min Scan# 4143

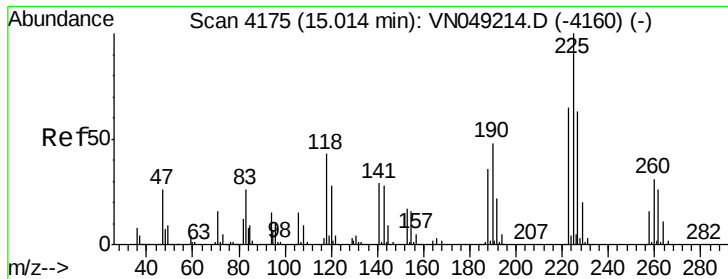
Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion:	180	Resp:	3803
Ion	Ratio	Lower	Upper
180	100		
182	100.9	46.9	140.8
145	33.8	14.7	44.1





#94

Hexachlorobutadiene

Concen: 1.23 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

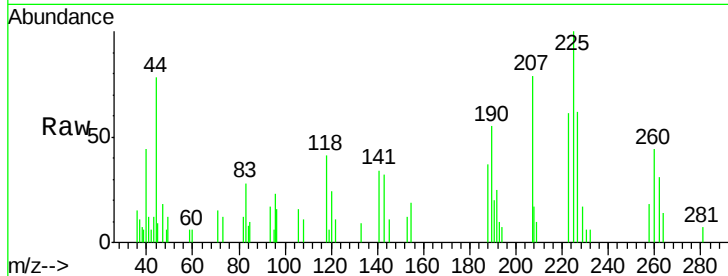
ClientSampleId :

VSTDIC001

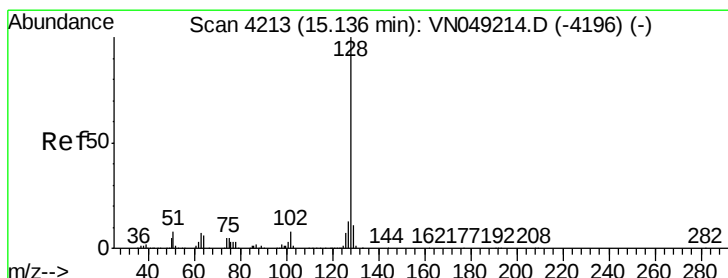
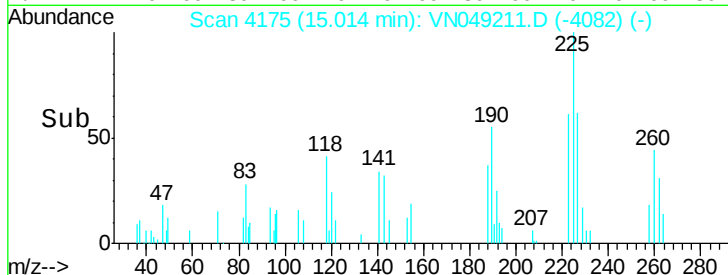
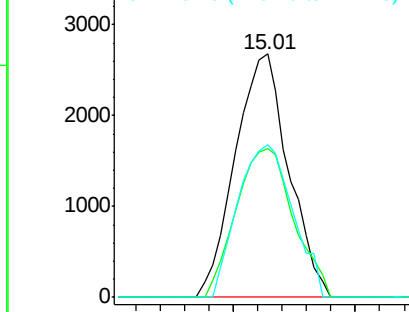
Tot Ion:	225	Resp:	4068
Ion Ratio	Lower	Upper	
225	100		
223	65.7	32.1	96.3
227	64.7	31.8	95.3

Manual Integrations
APPROVED

apatel
6/14/2018 5:07:07 PM



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



#95

Naphthalene

Concen: 0.91 ug/l

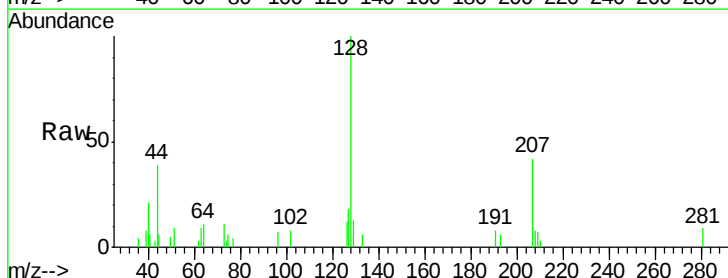
RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

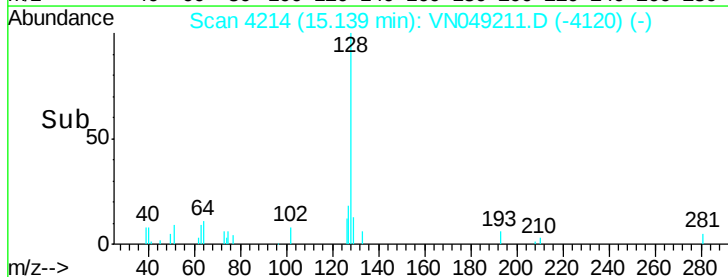
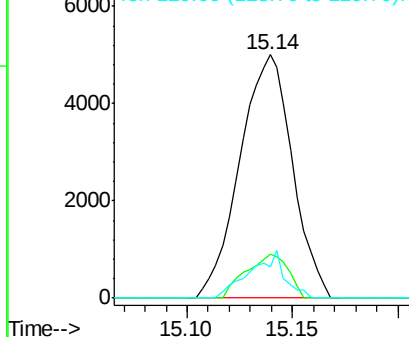
Lab File: VN049211.D

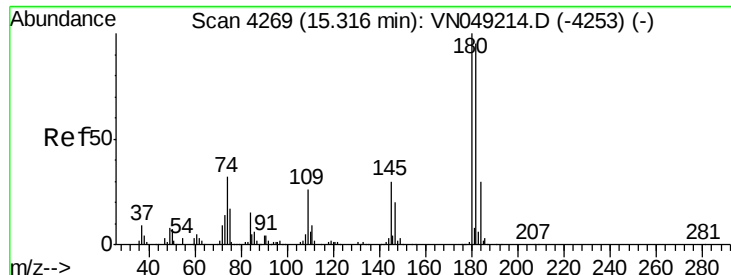
Acq: 13 Jun 2018 20:10

Tgt Ion:	128	Resp:	8647
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.6	16.0
129	12.8	8.5	12.7#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.15 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.3	141.8
145	27.0	15.6	46.7

Manual Integrations
 APPROVED

apatel
 6/14/2018 5:07:07 PM

