

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049610.D
 Acq On : 29 Jun 2018 00:52
 Operator : MD\SY
 Sample : VN0628WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:48 PM

Quant Time: Jun 29 04:43:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1317263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2046810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1817222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	944017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	887282	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	7.59	113	790199	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	10.09	98	2995349	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	998234	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	309234	20.40	ug/l	99
3) Chloromethane	2.06	50	360045	18.39	ug/l	97
4) Vinyl Chloride	2.18	62	400685	19.26	ug/l	99
5) Bromomethane	2.56	94	188679	17.25	ug/l	97
6) Chloroethane	2.70	64	244235	19.69	ug/l	100
7) Trichlorofluoromethane	3.02	101	421227	16.23	ug/l	97
8) Diethyl Ether	3.41	74	173711	19.17	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	315851	19.18	ug/l	93
10) Methyl Iodide	3.95	142	394521	23.02	ug/l	92
11) Tert butyl alcohol	4.80	59	86285	84.14	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	291474	19.30	ug/l	90
13) Acrolein	3.61	56	95549	88.85	ug/l	100
14) Allyl chloride	4.32	41	400494	16.79	ug/l	90
15) Acrylonitrile	4.99	53	470225	91.71	ug/l	99
16) Acetone	3.82	43	360151	84.90	ug/l	96
17) Carbon Disulfide	4.05	76	835359	17.65	ug/l	100
18) Methyl Acetate	4.33	43	399683	30.90	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	746687	19.39	ug/l	99
20) Methylene Chloride	4.55	84	337535	19.05	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	298649	18.68	ug/l	95
22) Diisopropyl ether	5.95	45	947850	19.90	ug/l	94
23) Vinyl Acetate	5.90	43	2954788	95.17	ug/l	96
24) 1,1-Dichloroethane	5.85	63	587169	19.26	ug/l	99
25) 2-Butanone	6.84	43	498596	87.53	ug/l	96
26) 2,2-Dichloropropane	6.82	77	377461	15.33	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	341874	19.23	ug/l	90
28) Bromochloromethane	7.20	49	261918	19.38	ug/l #	83
29) Tetrahydrofuran	7.22	42	342617	93.44	ug/l	93
30) Chloroform	7.37	83	599200	19.75	ug/l	99
31) Cyclohexane	7.65	56	507682	19.54	ug/l #	91
32) 1,1,1-Trichloroethane	7.57	97	507862	19.62	ug/l	98
36) 1,1-Dichloropropene	7.79	75	437237	18.64	ug/l	97
37) Ethyl Acetate	6.93	43	242317	19.00	ug/l	96
38) Carbon Tetrachloride	7.77	117	414287	17.06	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049610.D
 Acq On : 29 Jun 2018 00:52
 Operator : MD\SY
 Sample : VN0628WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0628WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:48 PM

Quant Time: Jun 29 04:43:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	453631	18.01	ug/l	95
40) Benzene	8.04	78	1333933	18.55	ug/l	98
41) Methacrylonitrile	7.18	41	107794	15.63	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	412620	18.57	ug/l	97
43) Isopropyl Acetate	8.17	43	563214	23.11	ug/l	95
44) Trichloroethene	8.84	130	396479	20.88	ug/l	94
45) 1,2-Dichloropropane	9.12	63	349864	18.58	ug/l	100
46) Dibromomethane	9.21	93	202453	18.54	ug/l	89
47) Bromodichloromethane	9.40	83	436466	18.19	ug/l	95
48) Methyl methacrylate	9.20	41	216055	18.83	ug/l	88
49) 1,4-Dioxane	9.20	88	56556	357.12	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1174013	91.93	ug/l	95
52) Toluene	10.16	92	812548	19.25	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	387011	16.86	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	468248	17.28	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	288025	18.30	ug/l	98
56) Ethyl methacrylate	10.43	69	338187	18.63	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	483732	18.56	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	777508	127.26	ug/l	94
59) 2-Hexanone	10.75	43	742105	90.14	ug/l	93
60) Dibromochloromethane	10.90	129	312592	17.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	278646	19.05	ug/l	99
64) Tetrachloroethene	10.63	164	468432	25.16	ug/l	97
65) Chlorobenzene	11.44	112	866770	18.52	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	316701	17.98	ug/l	99
67) Ethyl Benzene	11.51	91	1460588	18.81	ug/l	97
68) m/p-Xylenes	11.62	106	1153188	39.57	ug/l	96
69) o-Xylene	11.95	106	541411	19.29	ug/l	98
70) Styrene	11.96	104	886399	20.02	ug/l	98
71) Bromoform	12.13	173	197355	17.31	ug/l #	99
73) Isopropylbenzene	12.25	105	1432144	17.28	ug/l	98
74) N-amyl acetate	12.07	43	365504	18.00	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	308781	16.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	267339m	16.60	ug/l	
77) Bromobenzene	12.53	156	373490	17.06	ug/l	88
78) n-propylbenzene	12.59	91	1661823	18.26	ug/l	99
79) 2-Chlorotoluene	12.68	91	1013985	17.58	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1228266	18.85	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	69171	13.57	ug/l	96
82) 4-Chlorotoluene	12.77	91	1015500	18.25	ug/l	96
83) tert-Butylbenzene	12.99	119	1011901	17.53	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1247607	19.28	ug/l	99
85) sec-Butylbenzene	13.17	105	1359783	17.70	ug/l	98
86) p-Isopropyltoluene	13.29	119	1171664	18.26	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	664906	18.46	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	647893	18.15	ug/l	100
89) n-Butylbenzene	13.62	91	912045	18.19	ug/l	98
90) Hexachloroethane	13.88	117	107032	7.36	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	654765	18.54	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49693	17.22	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
Data File : VN049610.D
Acq On : 29 Jun 2018 00:52
Operator : MD\SY
Sample : VN0628WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

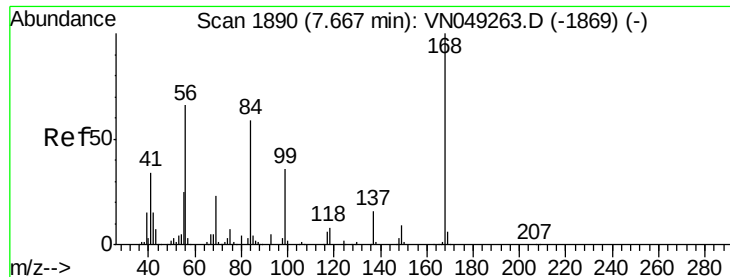
Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM

Quant Time: Jun 29 04:43:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	267586	19.70	ug/l	100
94) Hexachlorobutadiene	15.01	225	198469	17.44	ug/l	99
95) Naphthalene	15.14	128	525987	21.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	268462	19.25	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion:168 Resp: 1317263

Ion Ratio Lower Upper

168 100

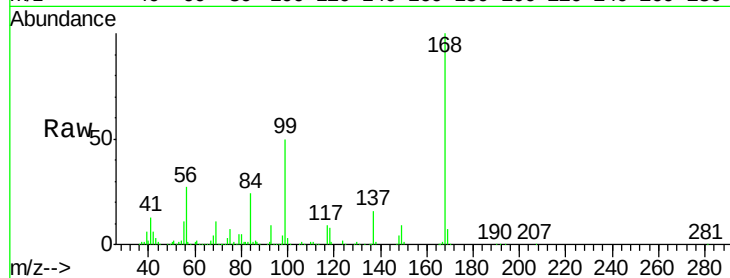
99 49.3 45.8 68.6

Manual Integrations

APPROVED

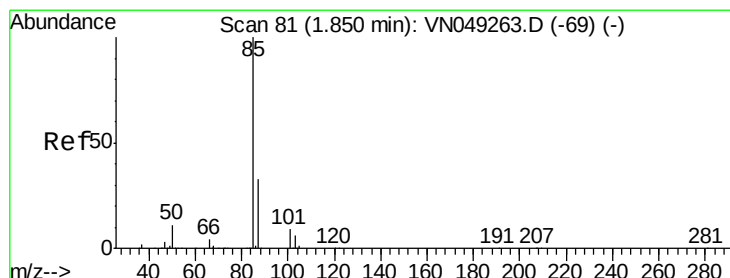
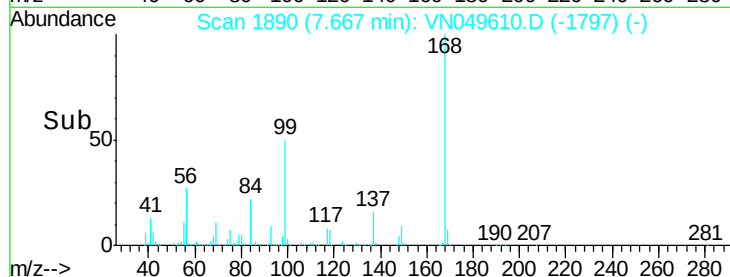
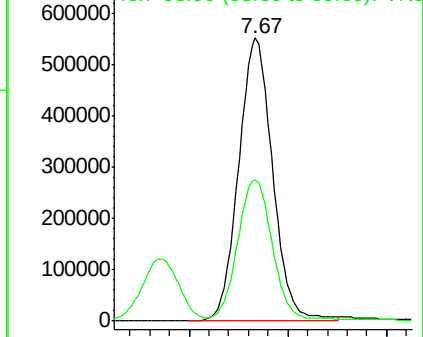
MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.40 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049610.D

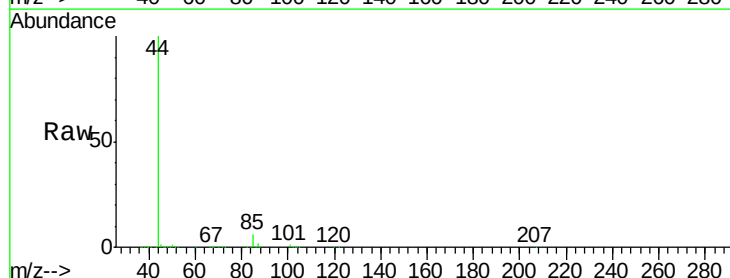
Acq: 29 Jun 2018 00:52

Tgt Ion: 85 Resp: 309234

Ion Ratio Lower Upper

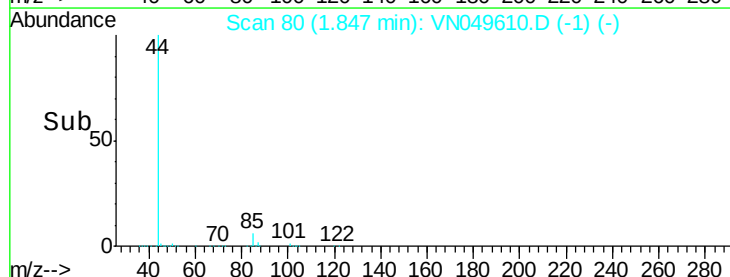
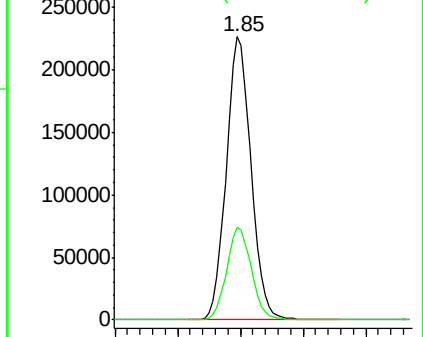
85 100

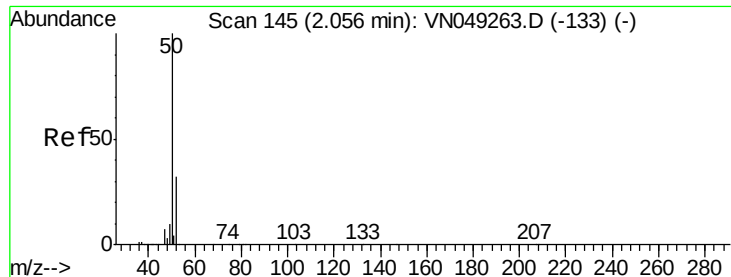
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.39 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 50 Resp: 360045

Ion Ratio Lower Upper

50 100

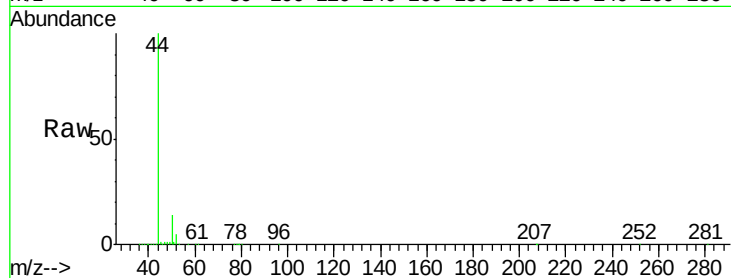
52 33.1 25.2 37.8

Manual Integrations

APPROVED

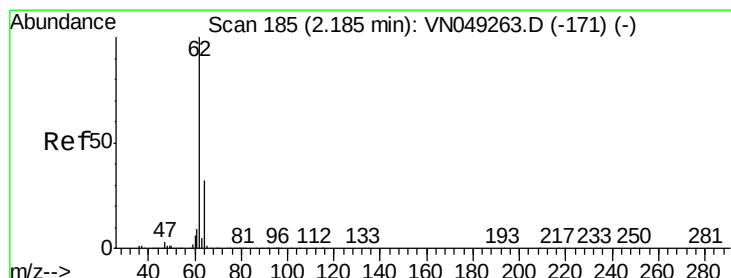
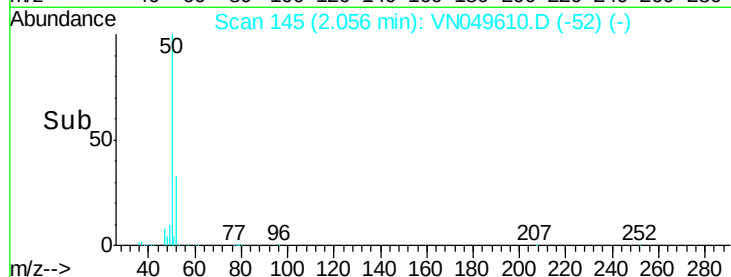
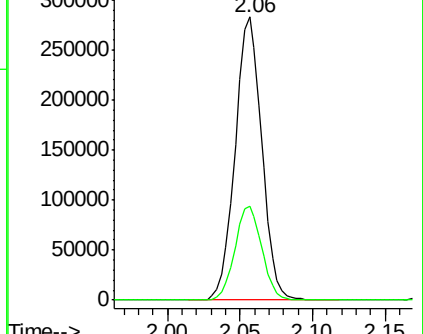
MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.26 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049610.D

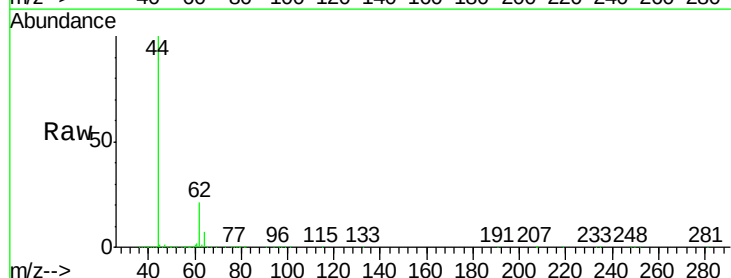
Acq: 29 Jun 2018 00:52

Tgt Ion: 62 Resp: 400685

Ion Ratio Lower Upper

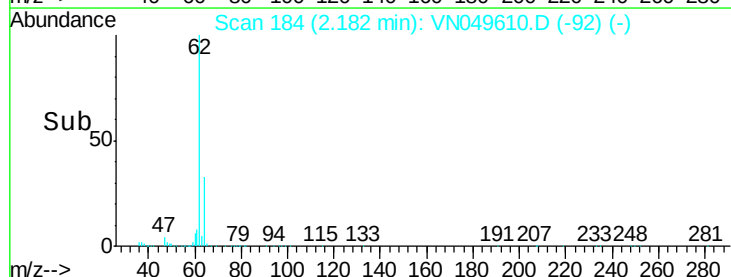
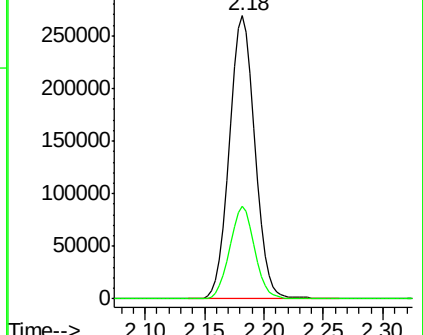
62 100

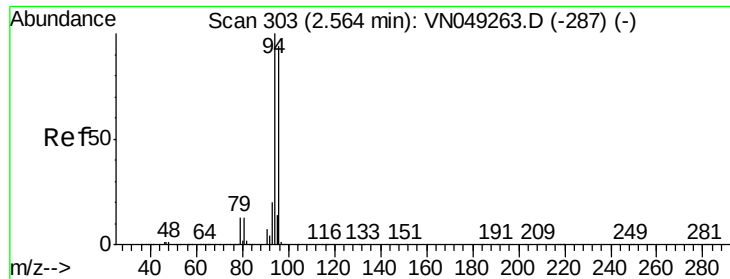
64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.25 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 94 Resp: 188679

Ion Ratio Lower Upper

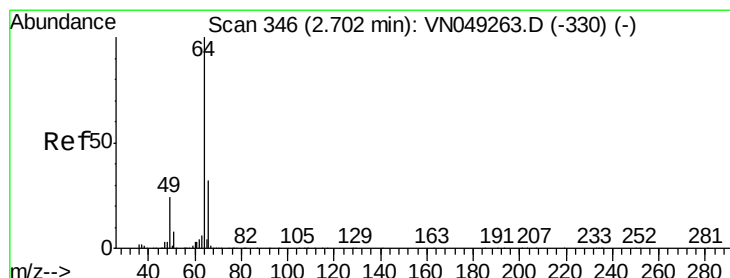
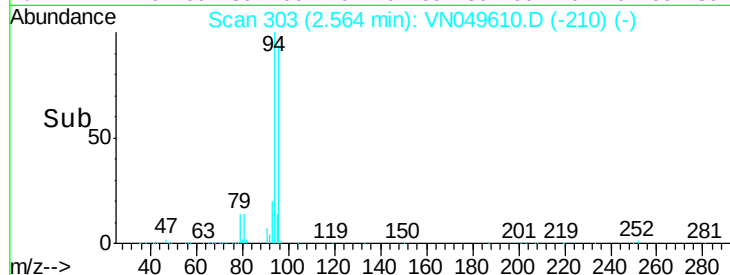
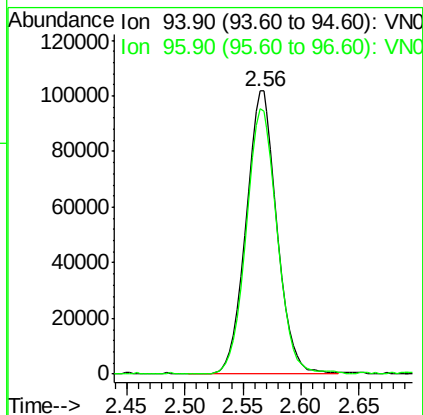
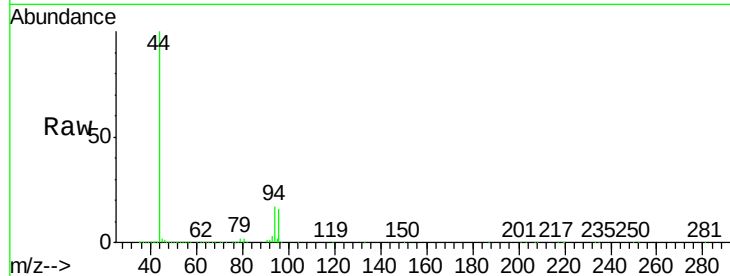
94 100

96 93.5 72.8 109.2

Manual Integrations
APPROVED

MMDadoda

6/29/2018 1:46:48 PM



#6

Chloroethane

Concen: 19.69 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049610.D

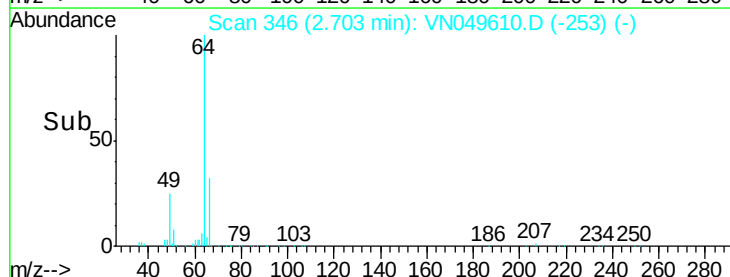
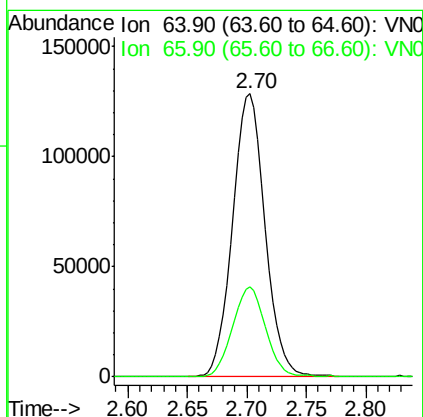
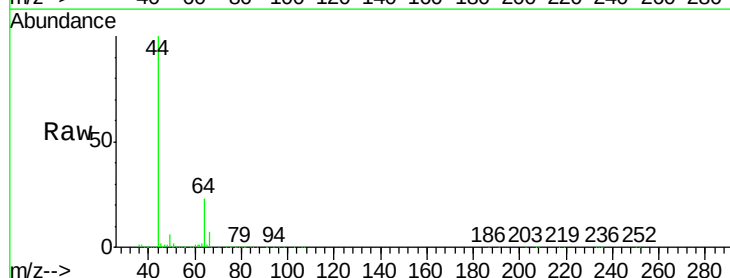
Acq: 29 Jun 2018 00:52

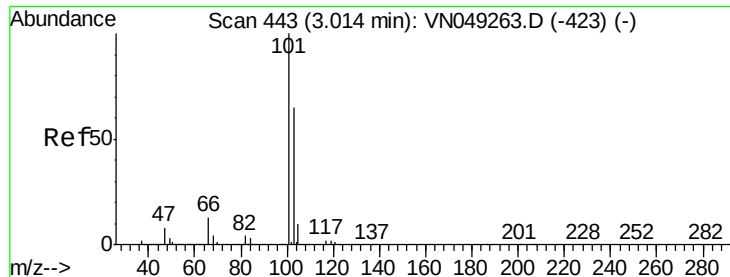
Tgt Ion: 64 Resp: 244235

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4





#7

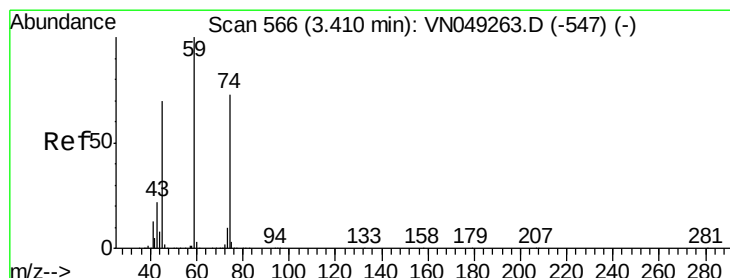
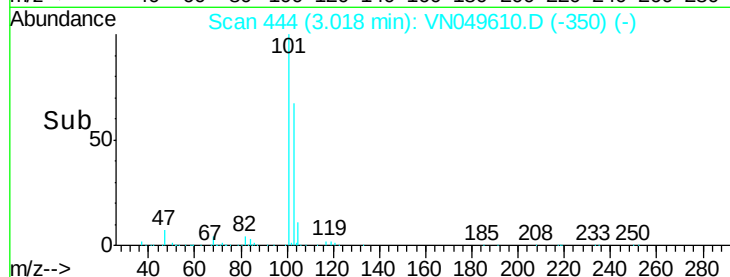
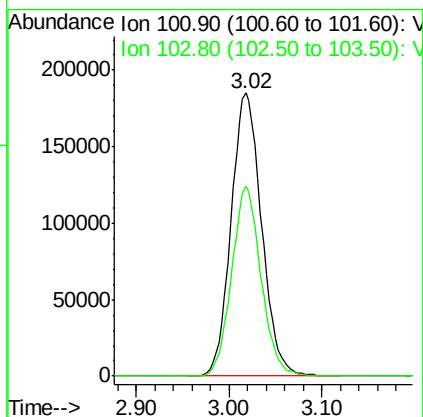
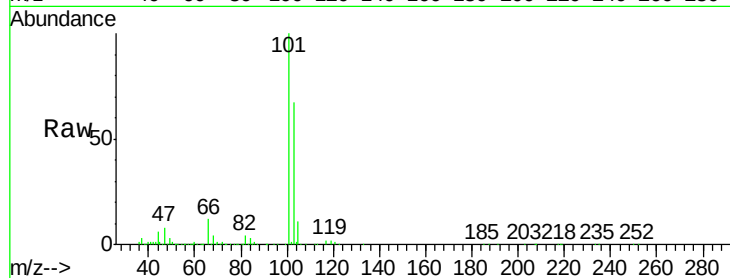
Trichlorofluoromethane
Concen: 16.23 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ion	Ratio	Lower	Upper
421227	101	100		
	103	67.0	51.7	77.5

Manual Integrations
APPROVED

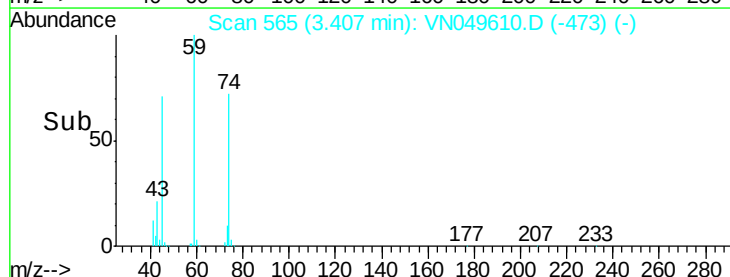
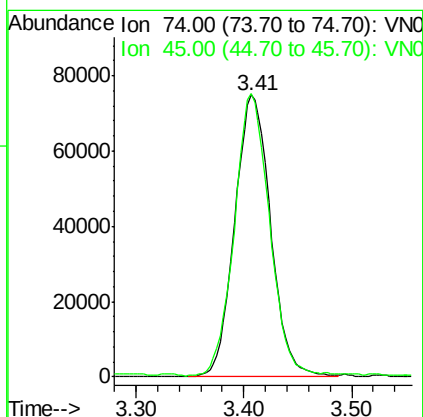
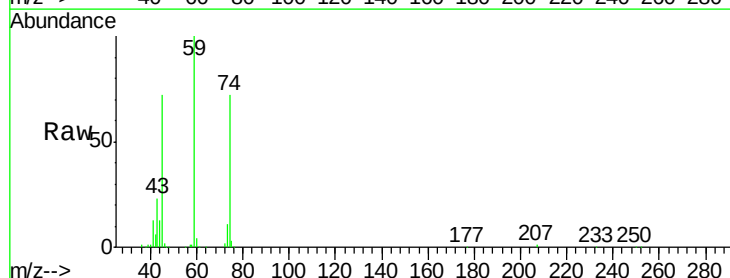
MMDadoda
6/29/2018 1:46:48 PM

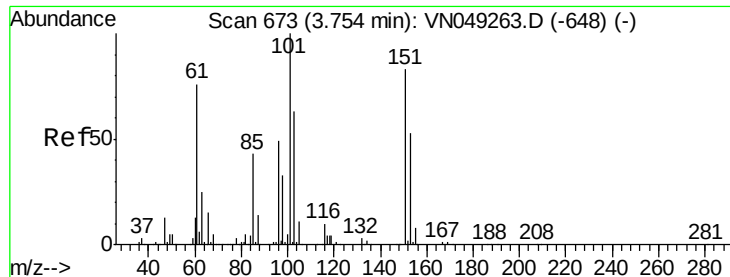


#8

Diethyl Ether
Concen: 19.17 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ion	Ratio	Lower	Upper
173711	74	100		
	45	98.3	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.18 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

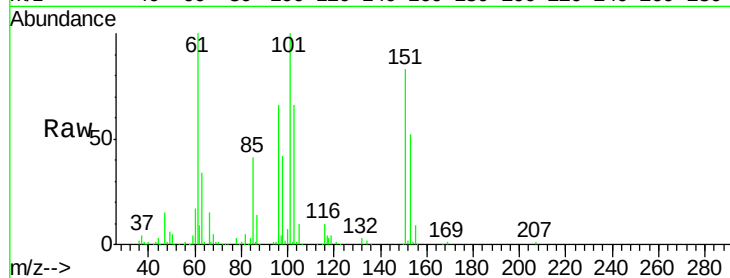
ClientSampleId :

VN0628WBS02

Tot Ion:	101	Resp:	315851
Ion Ratio	Lower	Upper	
101	100		
85	41.2	37.6	56.4
151	82.0	61.1	91.7

Manual Integrations
APPROVED

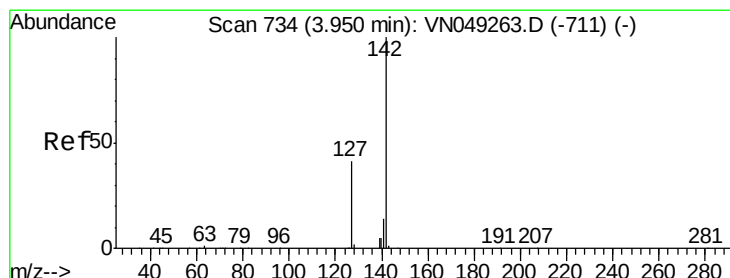
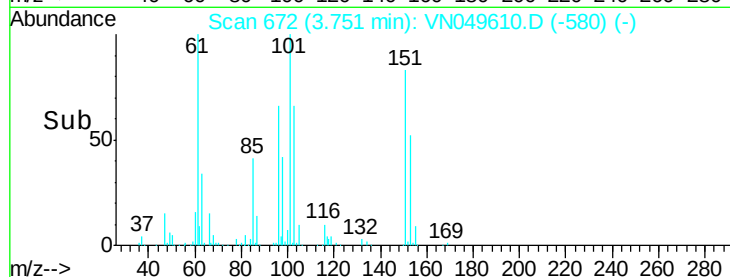
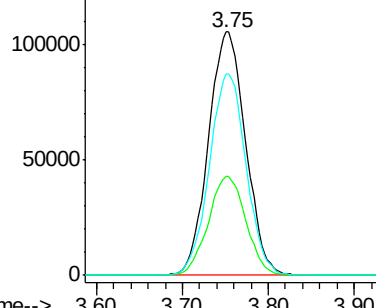
MMDadoda
6/29/2018 1:46:48 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.02 ug/l

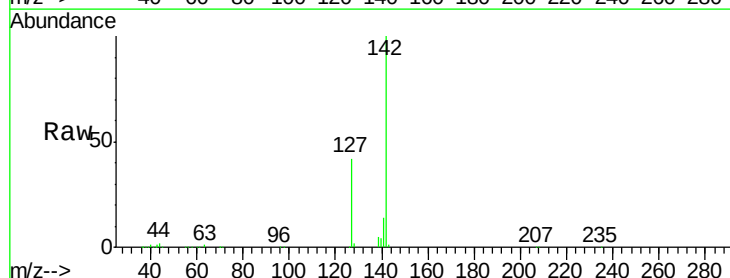
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

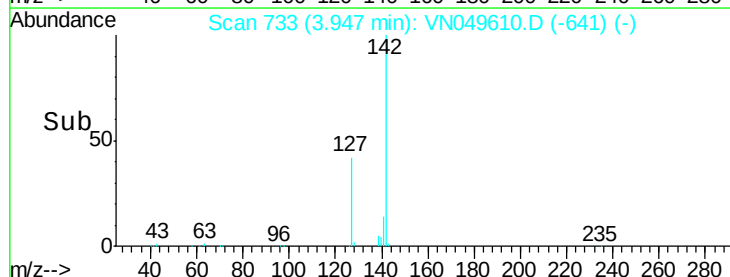
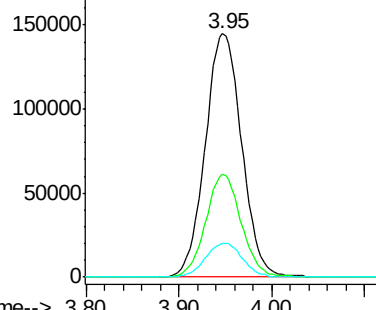
Tgt Ion:	142	Resp:	394521
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.1	11.9	17.9

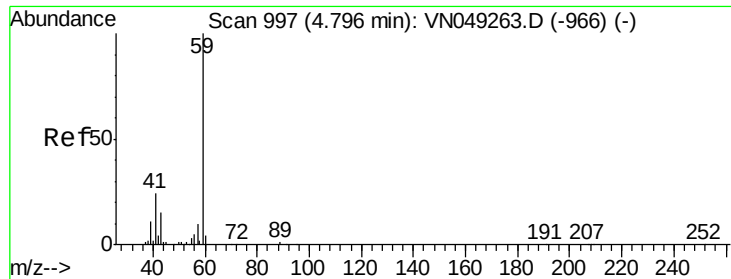


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

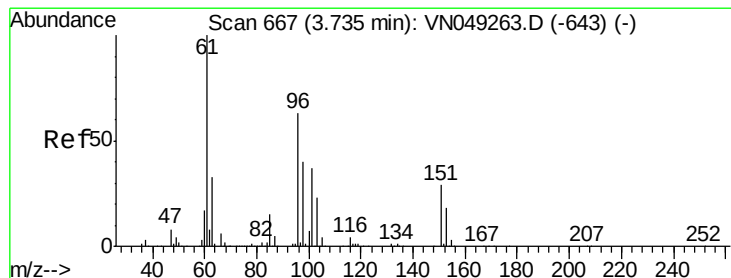
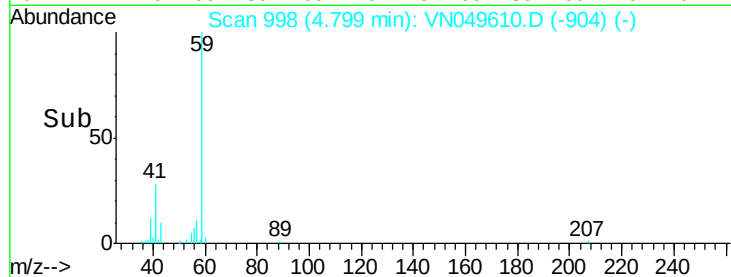
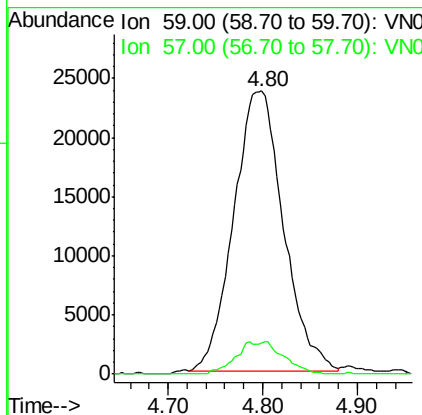
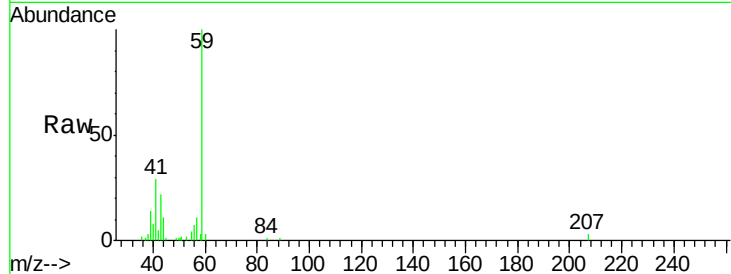
Tert butyl alcohol
 Concen: 84.14 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0628WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.6#

Manual Integrations
 APPROVED

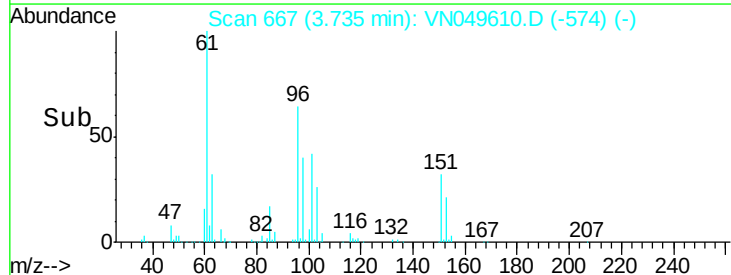
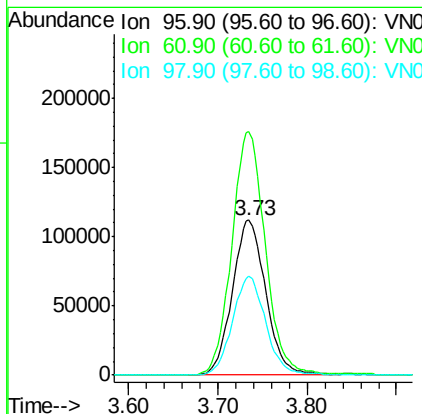
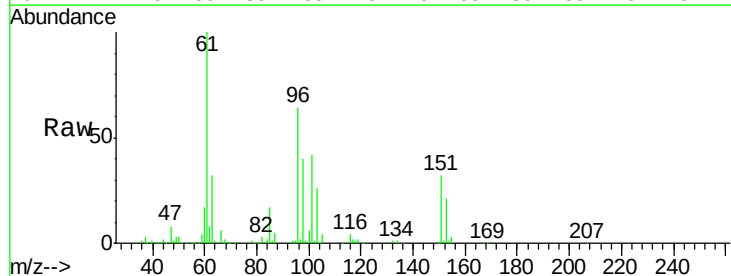
MMDadoda
 6/29/2018 1:46:48 PM

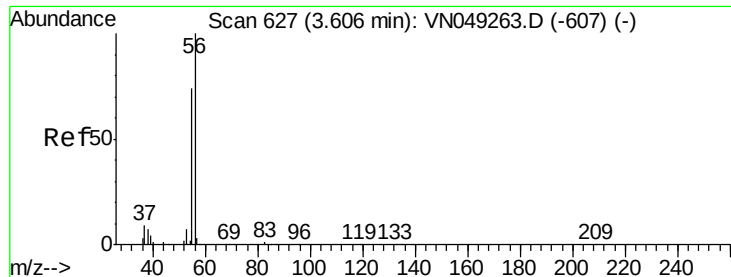


#12

1,1-Dichloroethene
 Concen: 19.30 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	141.0	211.4
98	63.6	50.4	75.6





#13

Acrolein

Concen: 88.85 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 56 Resp: 95549

Ion Ratio Lower Upper

56 100

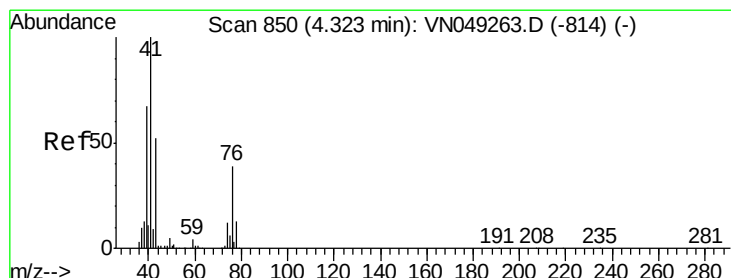
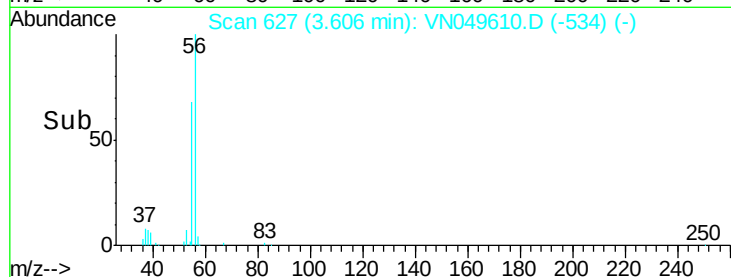
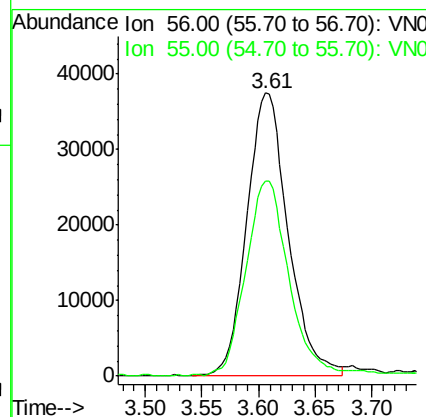
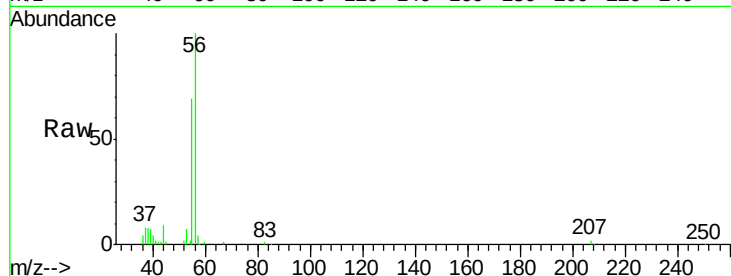
55 71.6 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

6/29/2018 1:46:48 PM



#14

Allyl chloride

Concen: 16.79 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

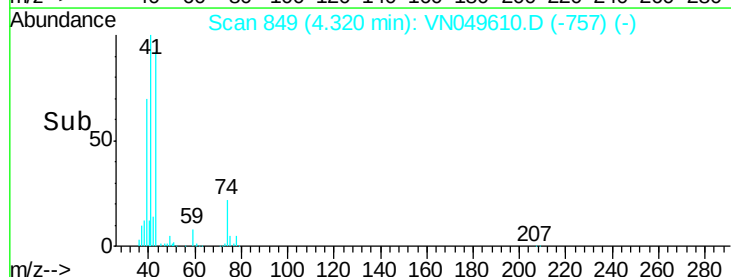
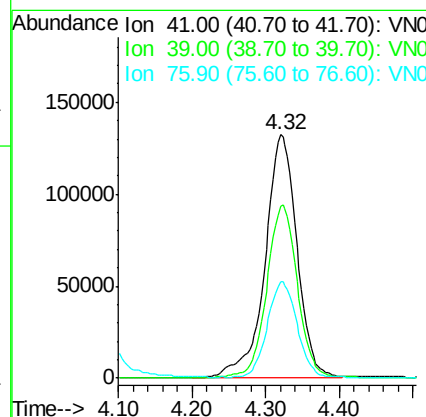
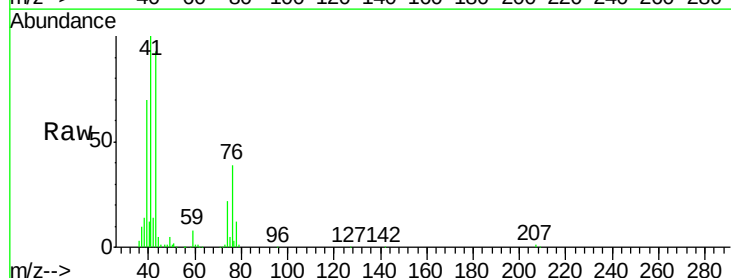
Tgt Ion: 41 Resp: 400494

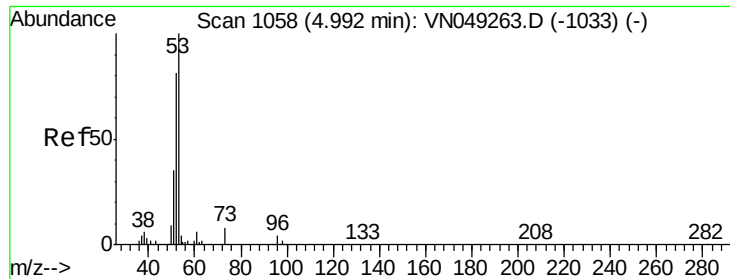
Ion Ratio Lower Upper

41 100

39 67.9 62.5 93.7

76 36.8 27.1 40.7





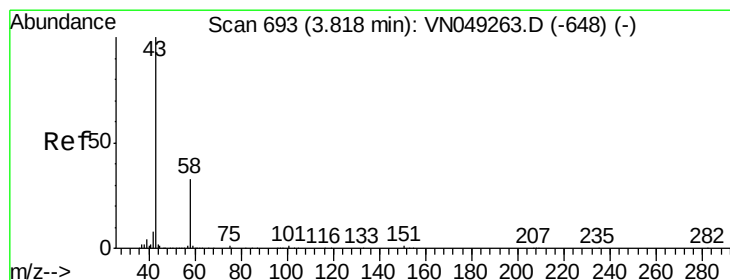
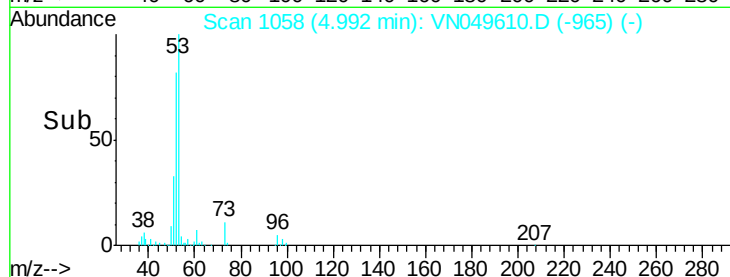
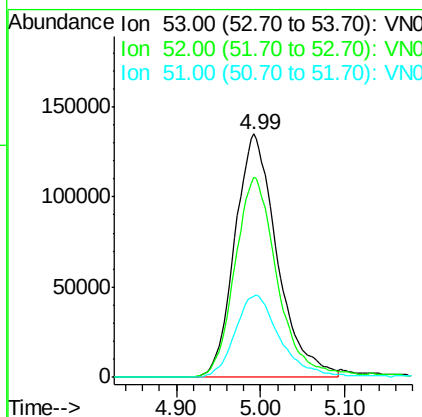
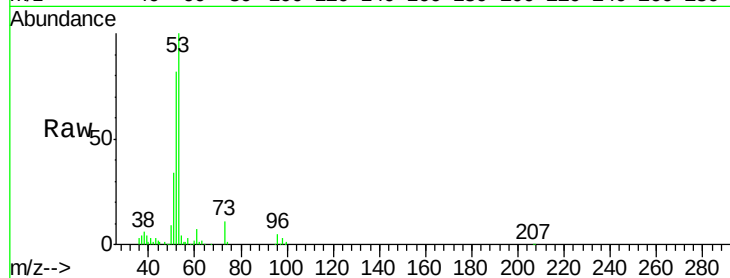
#15
 Acrylonitrile
 Concen: 91.71 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion:	53	Resp:	470225
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.1	29.8	44.8

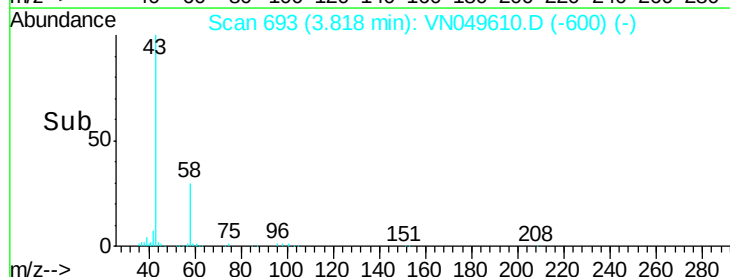
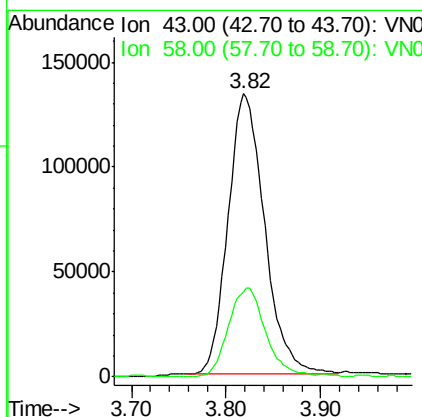
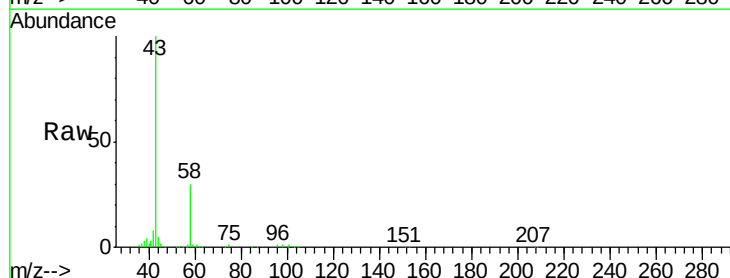
Manual Integrations
 APPROVED

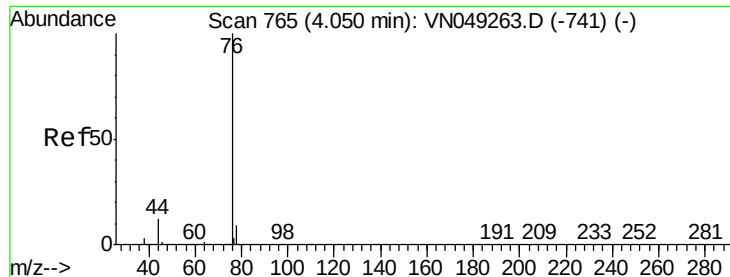
MMDadoda
 6/29/2018 1:46:48 PM



#16
 Acetone
 Concen: 84.90 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion:	43	Resp:	360151
Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.4	33.6





#17

Carbon Disulfide

Concen: 17.65 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 76 Resp: 835359

Ion Ratio Lower Upper

76 100

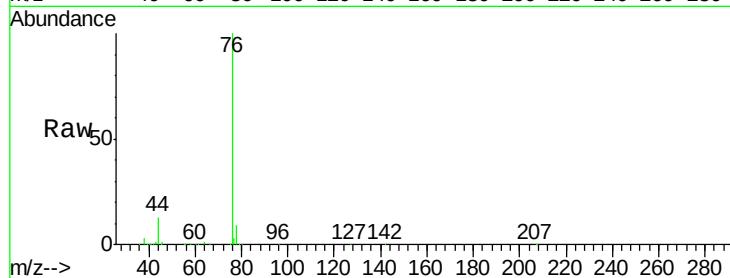
78 9.2 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

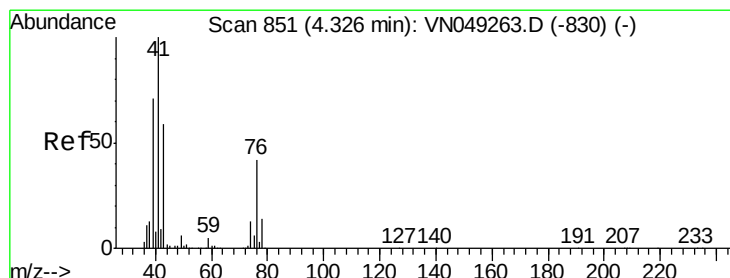
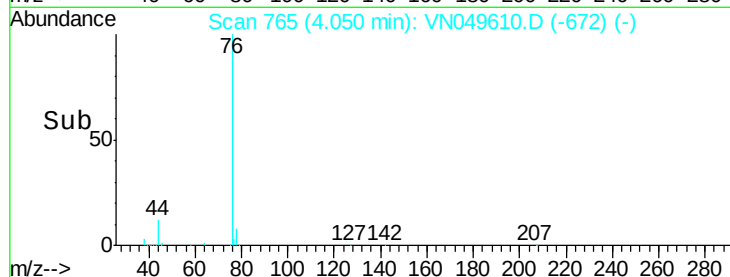
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 30.90 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049610.D

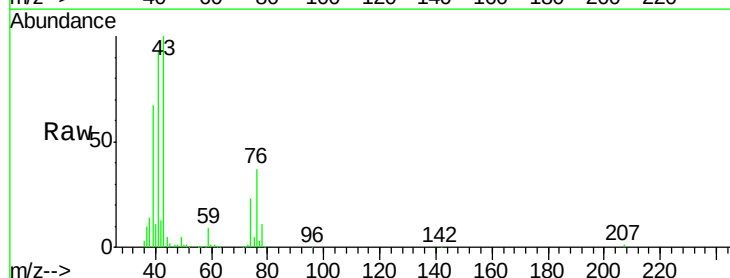
Acq: 29 Jun 2018 00:52

Tgt Ion: 43 Resp: 399683

Ion Ratio Lower Upper

43 100

74 24.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

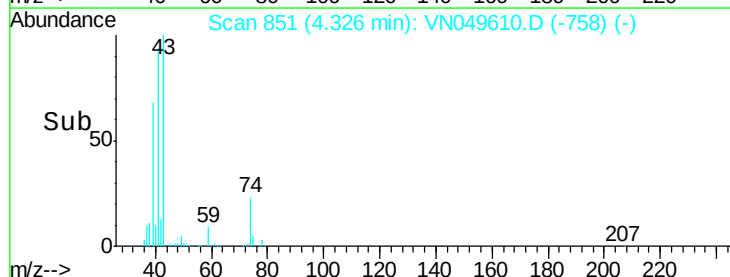
150000

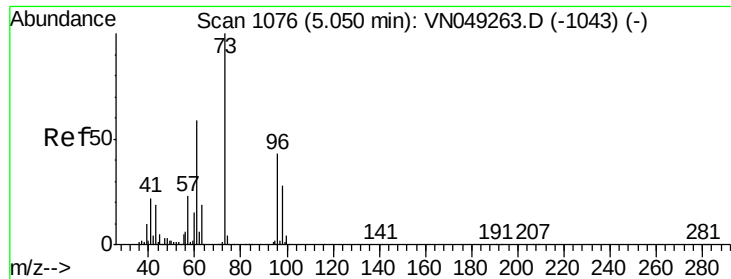
100000

50000

0

Time-->





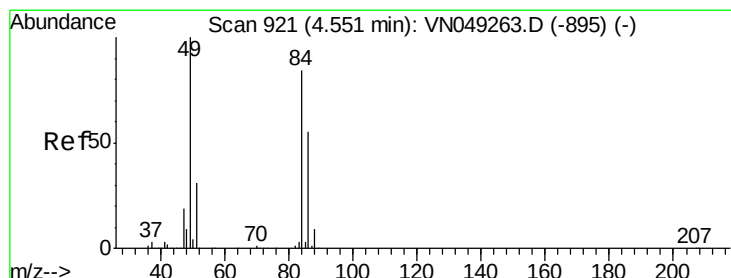
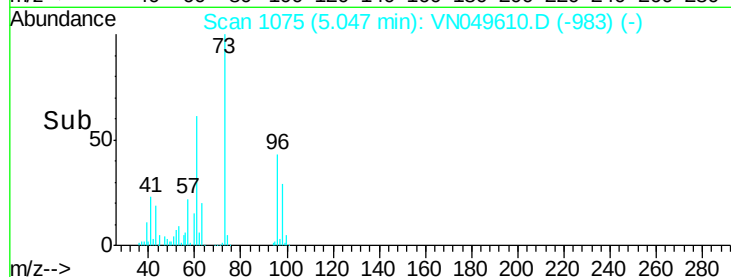
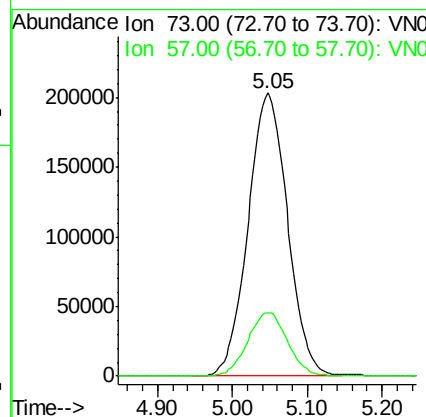
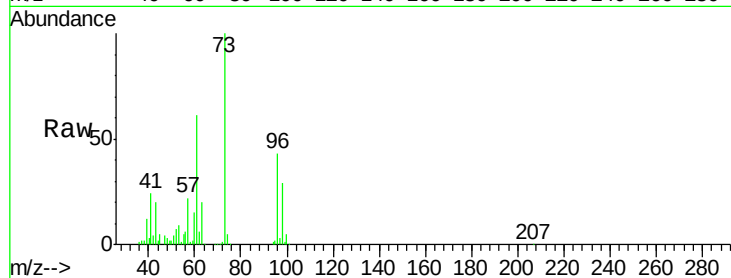
#19
Methyl tert-butyl Ether
Concen: 19.39 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion: 73 Resp: 746687
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

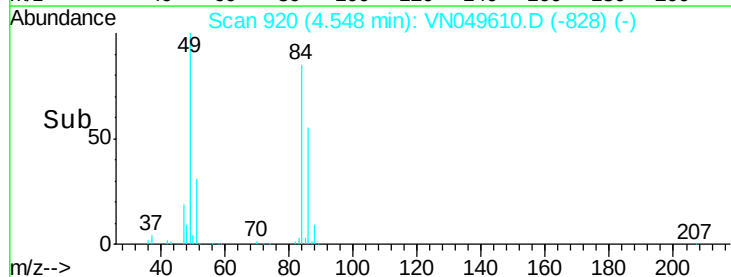
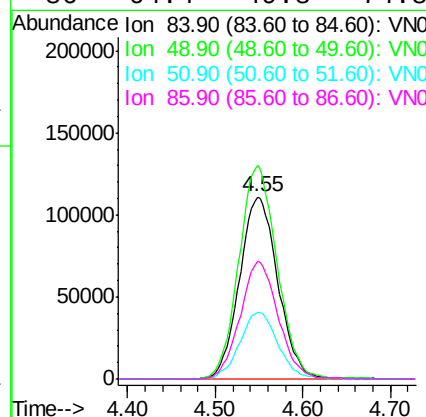
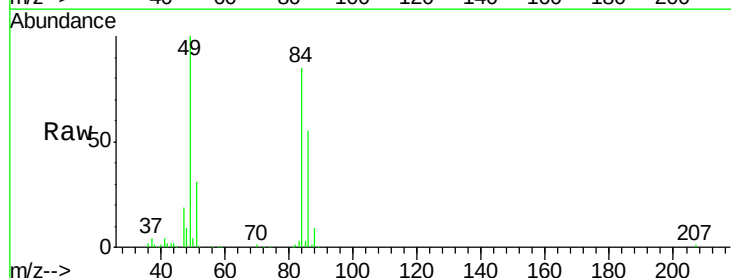
Manual Integrations
APPROVED

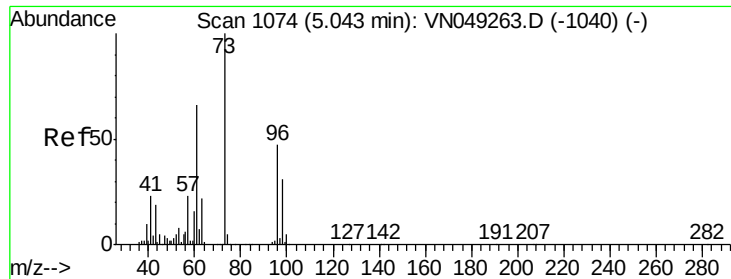
MMDadoda
6/29/2018 1:46:48 PM



#20
Methylene Chloride
Concen: 19.05 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 84 Resp: 337535
Ion Ratio Lower Upper
84 100
49 117.3 106.9 160.3
51 36.7 32.7 49.1
86 64.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

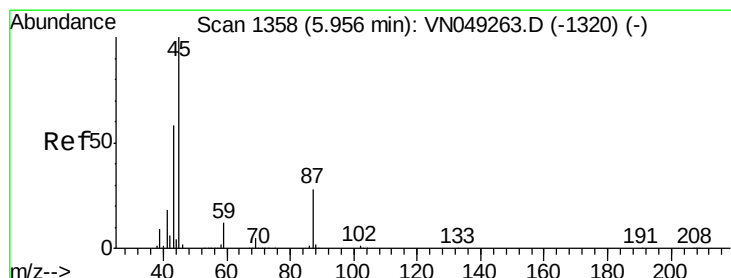
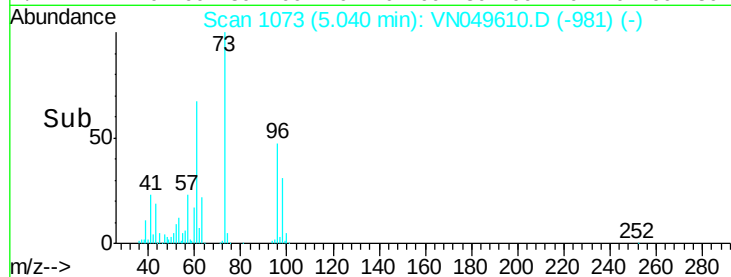
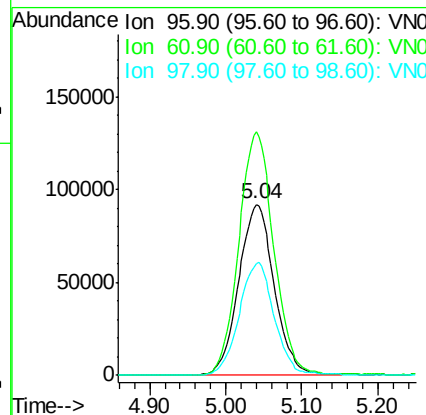
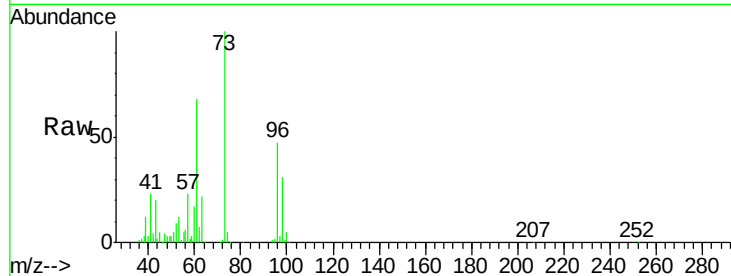
ClientSampleId :

VN0628WBS02

Tot Ion:	96	Resp:	298649
Ion	Ratio	Lower	Upper
96	100		
61	142.5	121.3	181.9
98	65.7	52.0	78.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#22

Diisopropyl ether

Concen: 19.90 ug/l

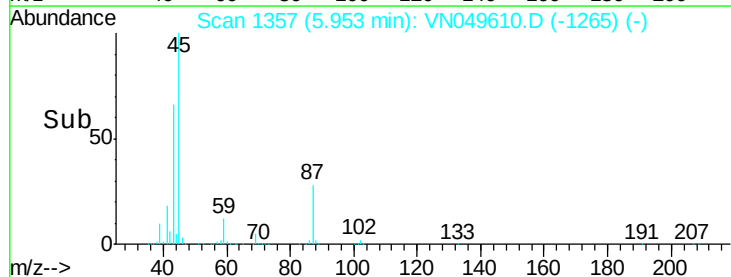
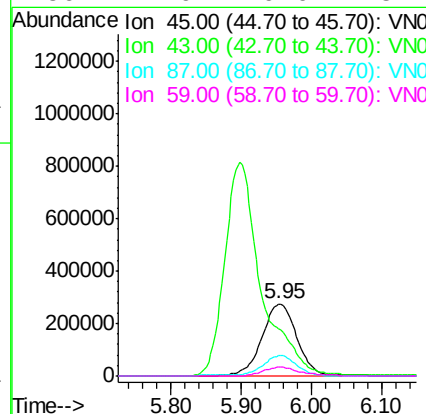
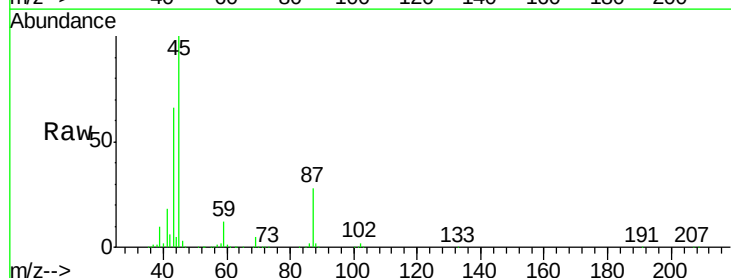
RT: 5.95 min Scan# 1357

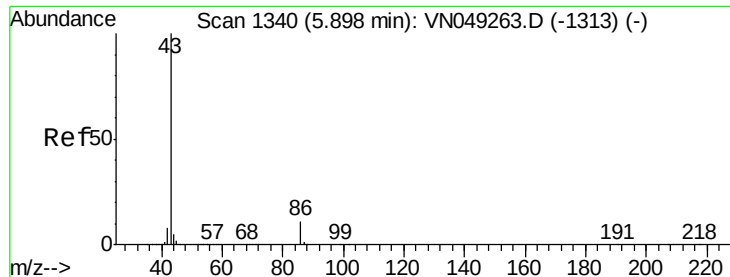
Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	45	Resp:	947850
Ion	Ratio	Lower	Upper
45	100		
43	65.6	48.6	72.8
87	28.0	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 95.17 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 43 Resp: 2954788

Ion Ratio Lower Upper

43 100

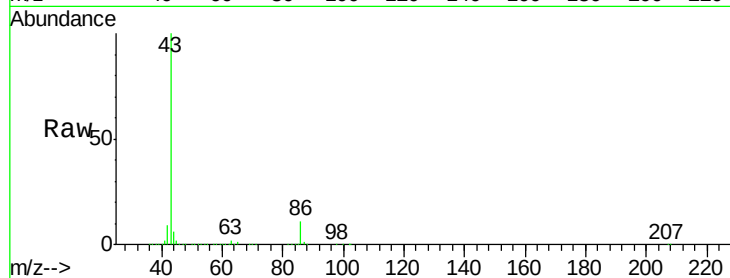
86 10.5 7.2 10.8

Manual Integrations

APPROVED

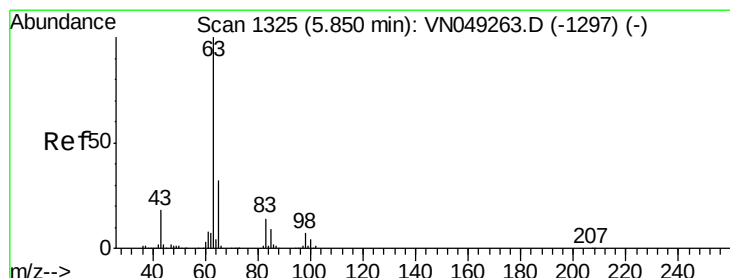
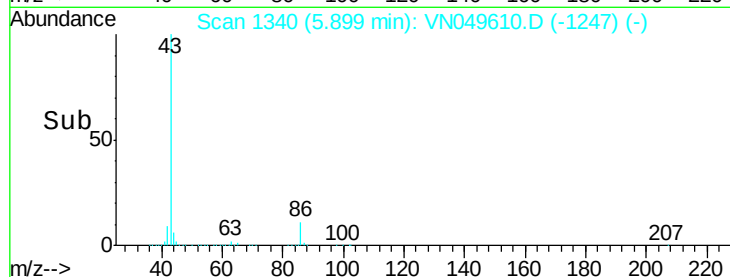
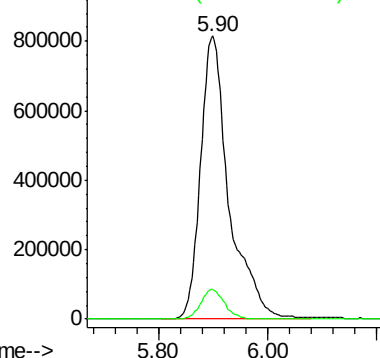
MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

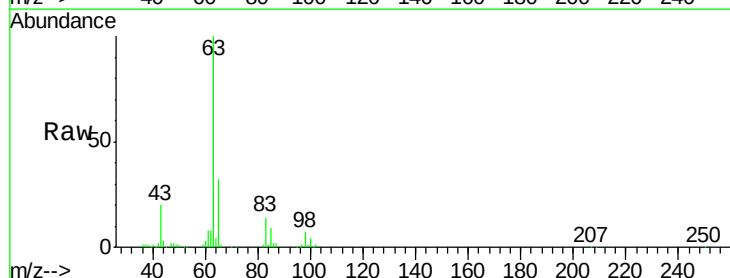
Tgt Ion: 63 Resp: 587169

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

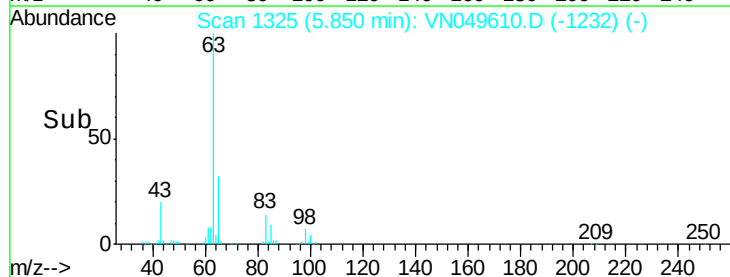
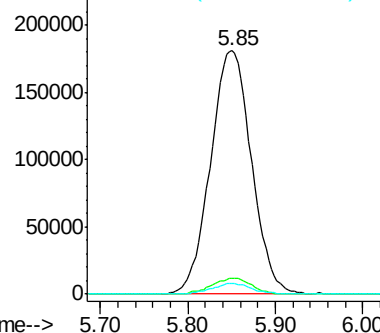
100 4.5 2.1 6.3

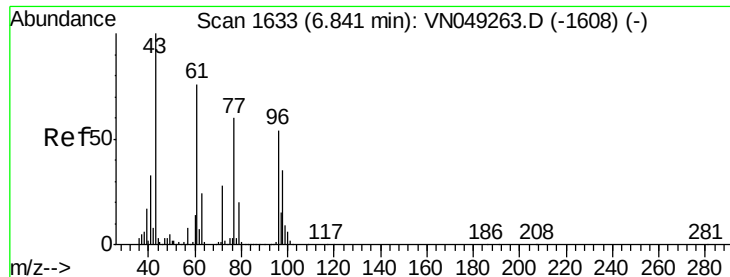


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 87.53 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 43 Resp: 498596

Ion Ratio Lower Upper

43 100

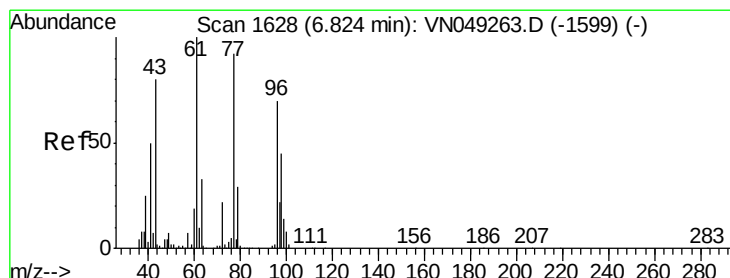
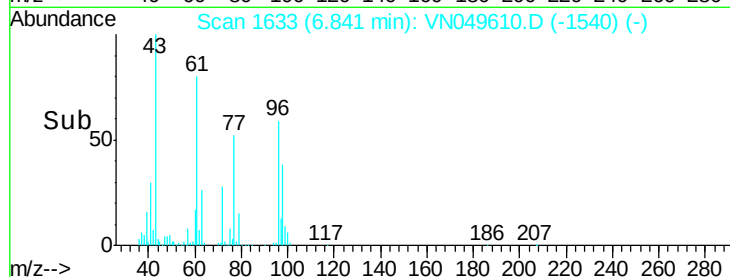
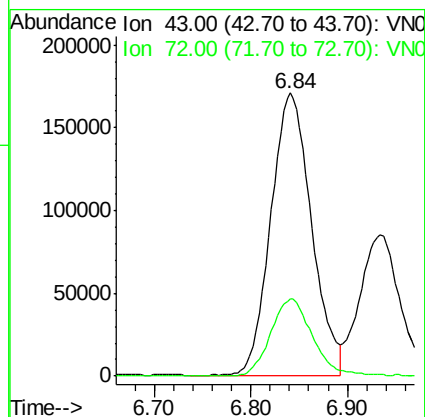
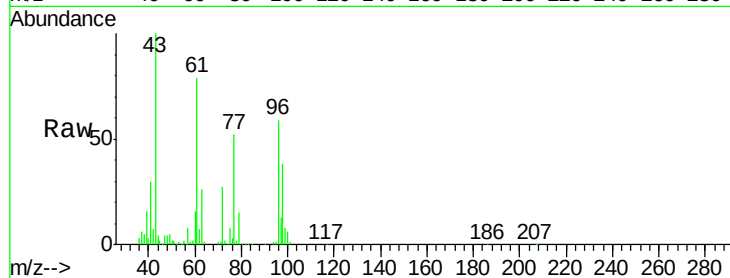
72 27.4 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

6/29/2018 1:46:48 PM



#26

2,2-Dichloropropane

Concen: 15.33 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049610.D

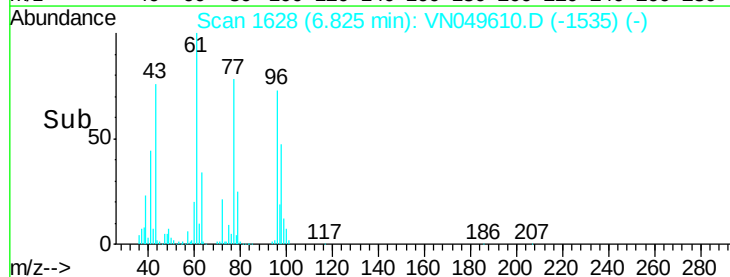
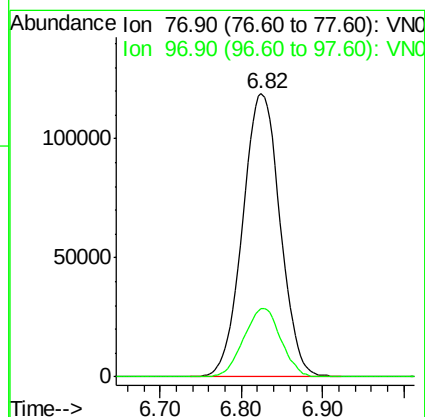
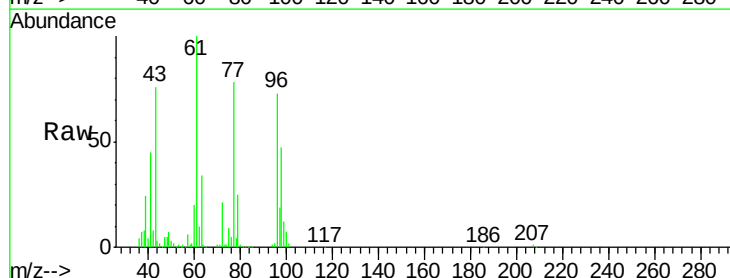
Acq: 29 Jun 2018 00:52

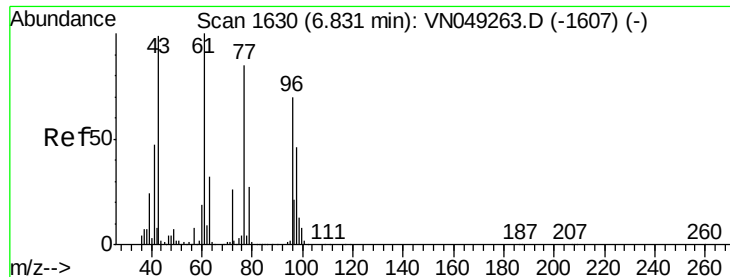
Tgt Ion: 77 Resp: 377461

Ion Ratio Lower Upper

77 100

97 24.1 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.23 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

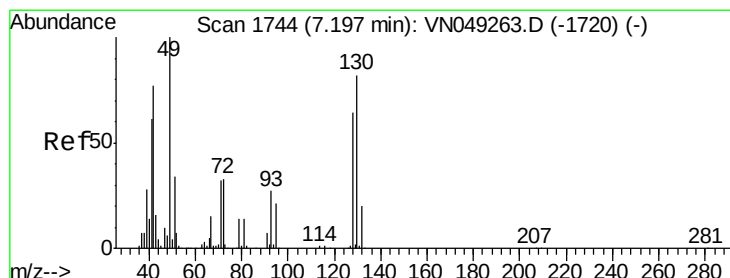
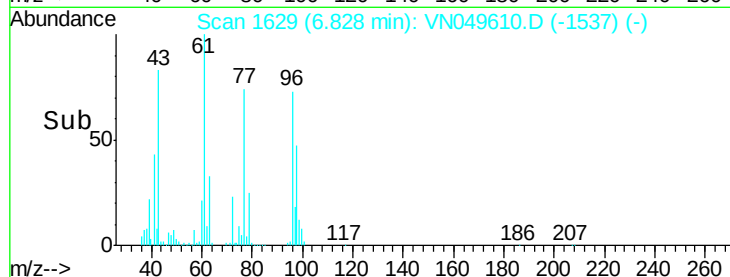
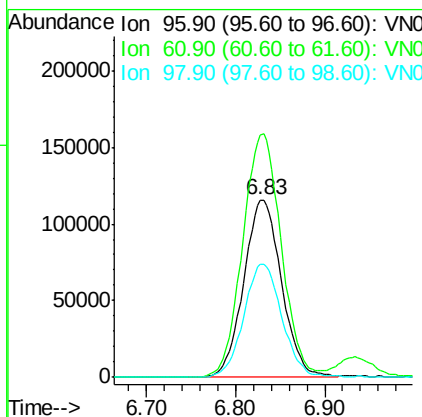
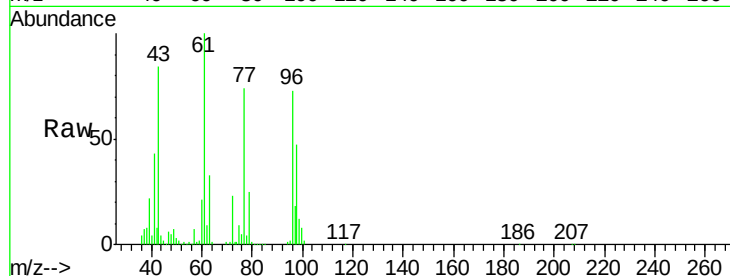
ClientSampleId :

VN0628WBS02

Tot Ion:	96	Resp:	341874
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	316.4
98	64.4	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#28

Bromochloromethane

Concen: 19.38 ug/l

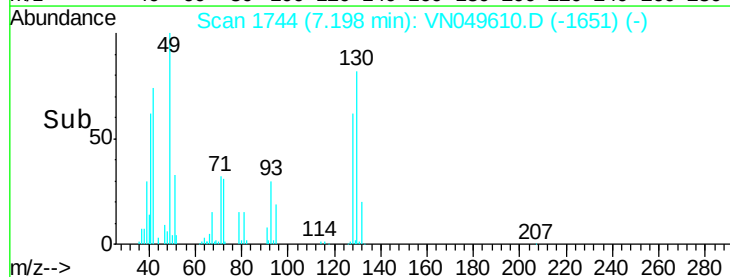
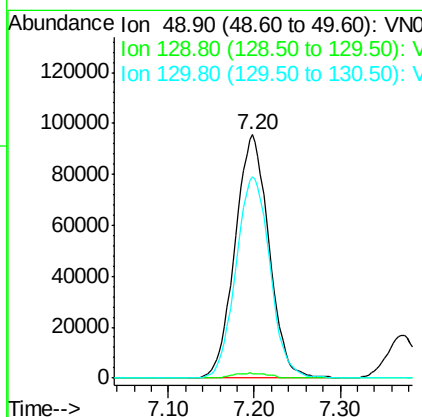
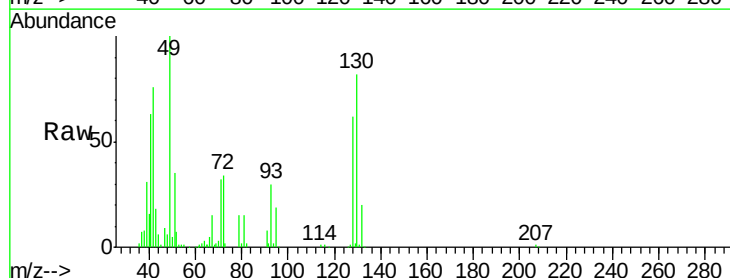
RT: 7.20 min Scan# 1744

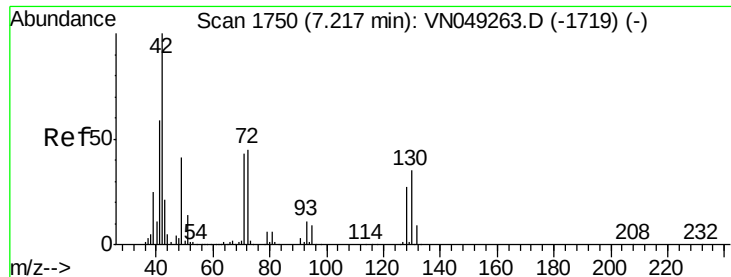
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	49	Resp:	261918
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.9	54.9	82.3#





#29

Tetrahydrofuran

Concen: 93.44 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

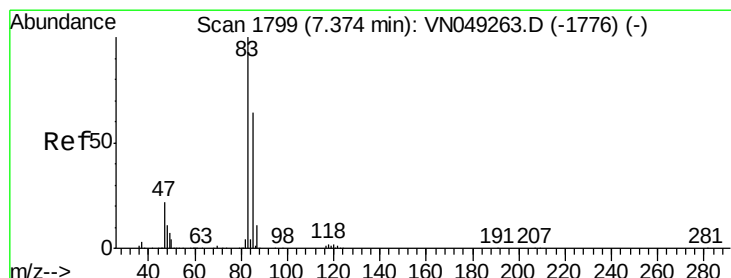
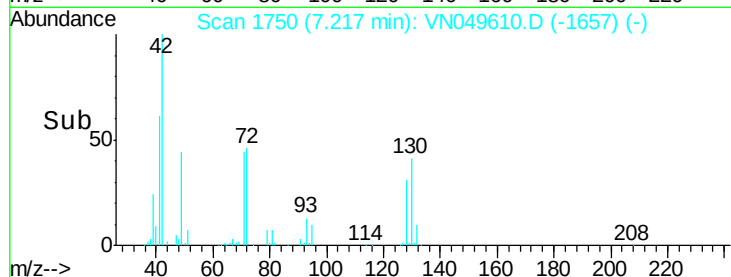
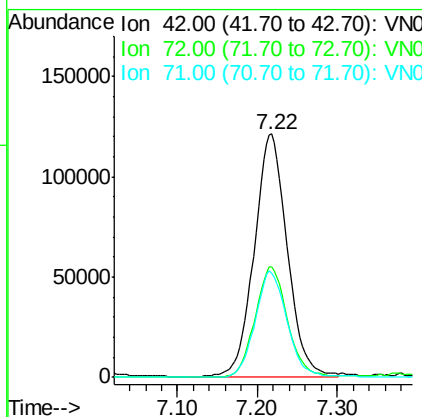
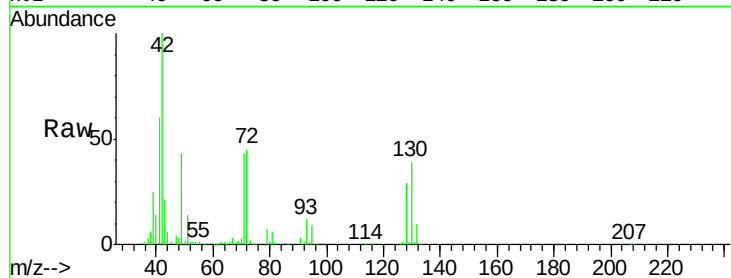
ClientSampleId :

VN0628WBS02

Tot Ion:	42	Resp:	342617
Ion Ratio		Lower	Upper
42	100		
72	44.7	32.2	48.4
71	42.3	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#30

Chloroform

Concen: 19.75 ug/l

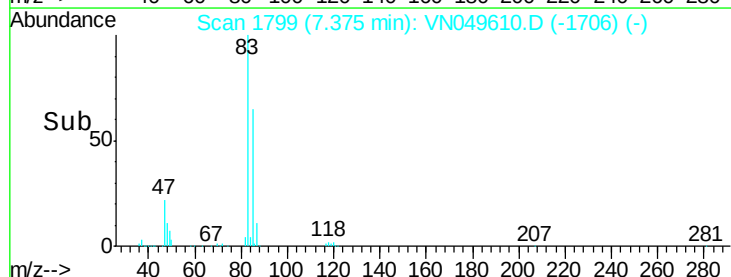
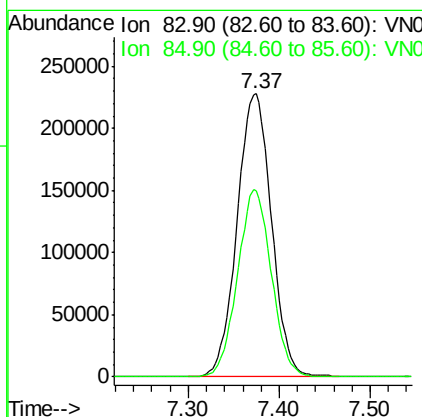
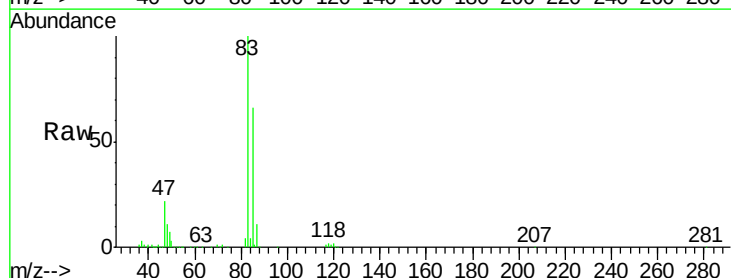
RT: 7.37 min Scan# 1799

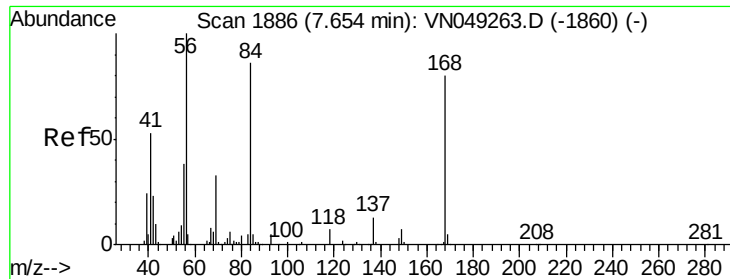
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	83	Resp:	599200
Ion Ratio		Lower	Upper
83	100		
85	65.6	51.7	77.5





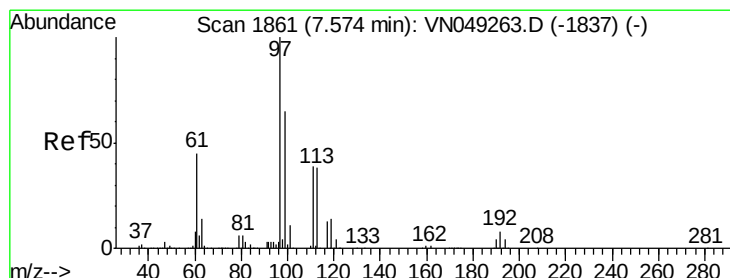
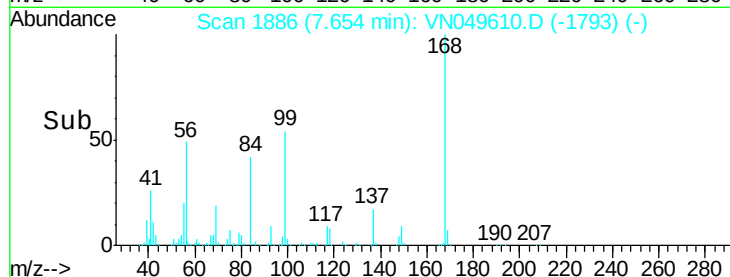
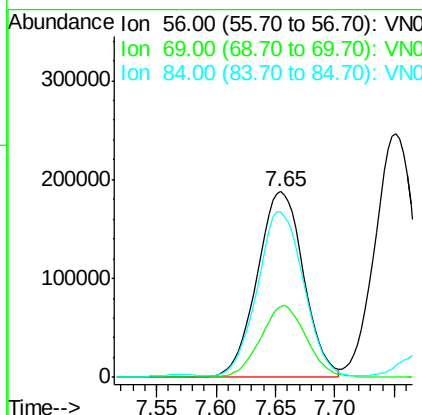
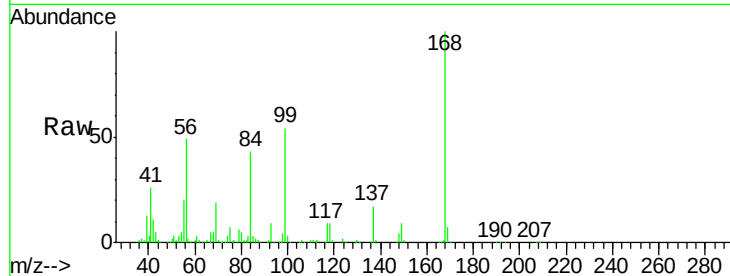
#31
Cyclohexane
Concen: 19.54 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	25.0	37.4#
84	87.4	64.6	96.8

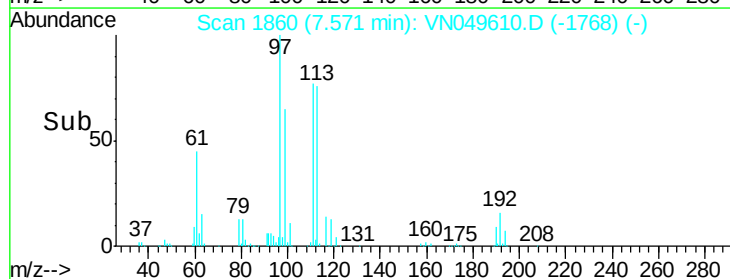
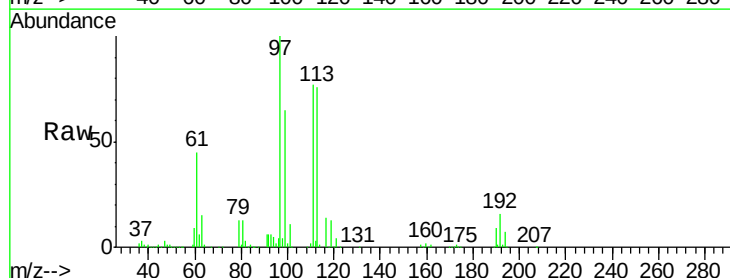
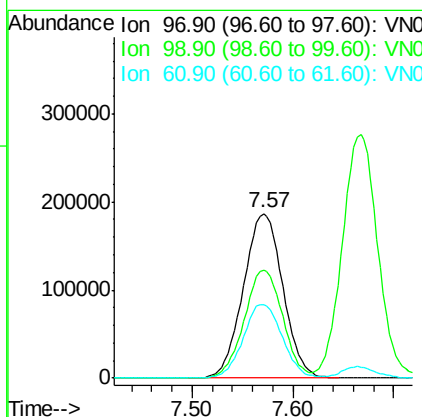
Manual Integrations
APPROVED

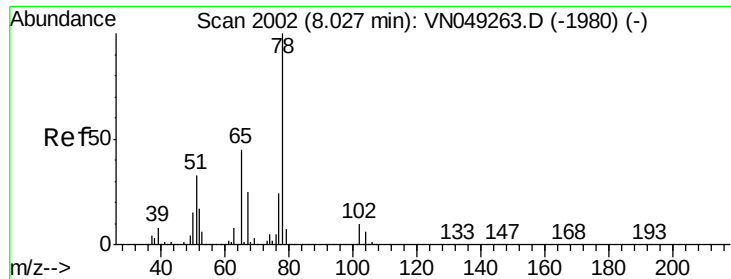
MMDadoda
6/29/2018 1:46:48 PM



#32
1,1,1-Trichloroethane
Concen: 19.62 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.5	75.7
61	44.4	37.9	56.9





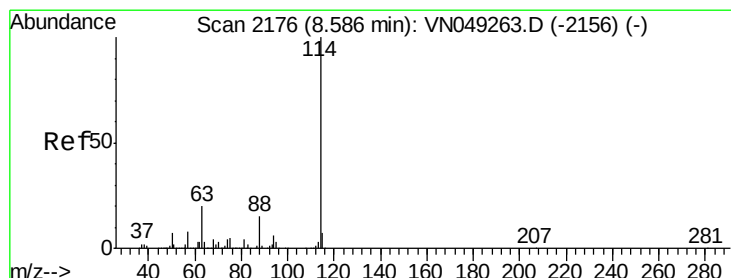
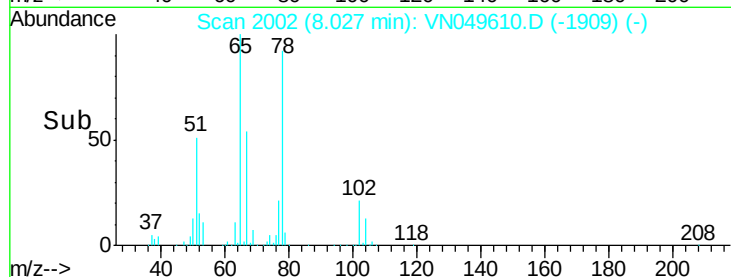
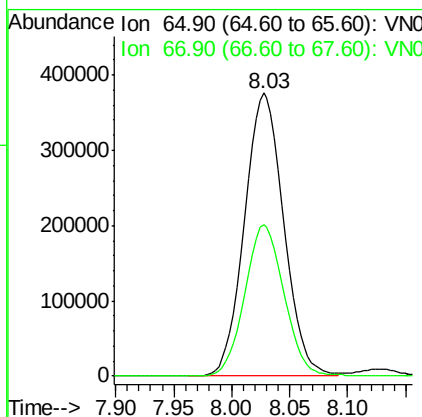
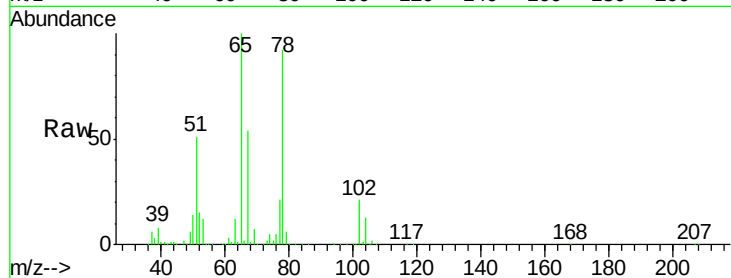
#33
 1,2-Dichloroethane-d4
 Concen: 50.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	887282		
67	53.6	0.0	103.8	

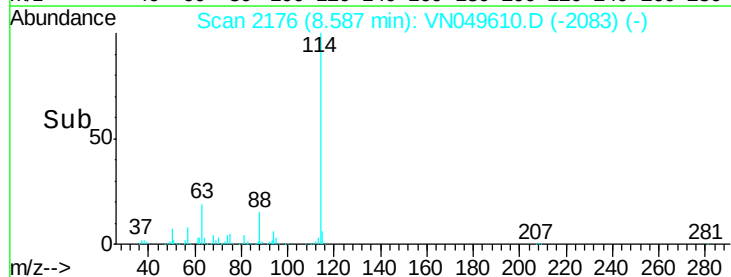
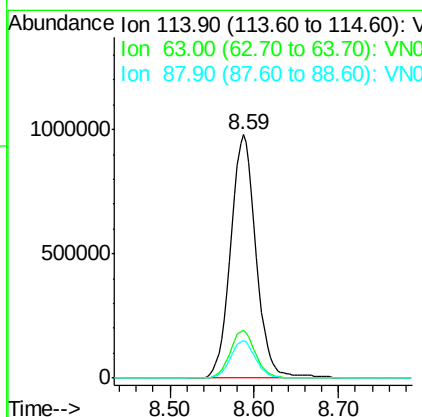
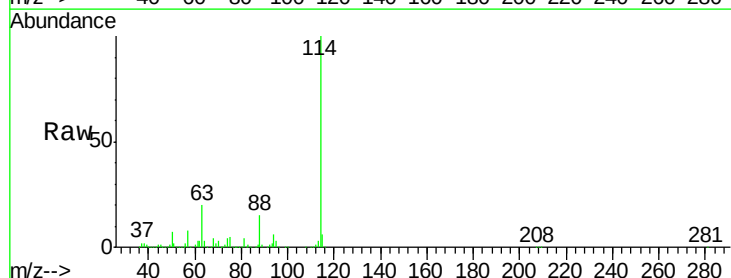
Manual Integrations
 APPROVED

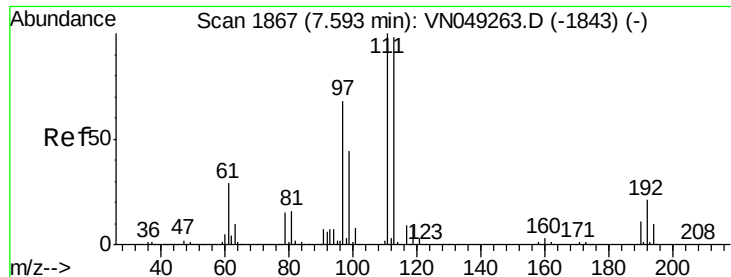
MMDadoda
 6/29/2018 1:46:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2046810		
63	19.5	0.0	44.4	
88	15.4	0.0	31.4	





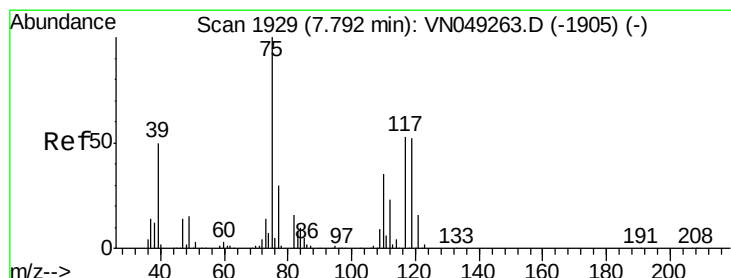
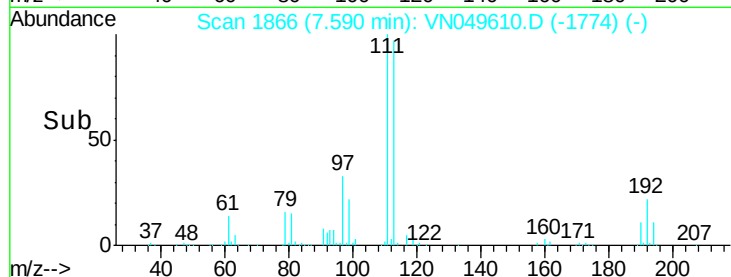
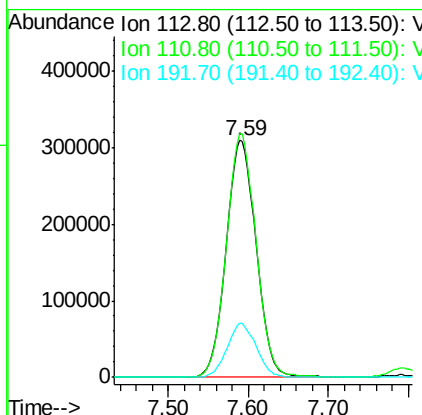
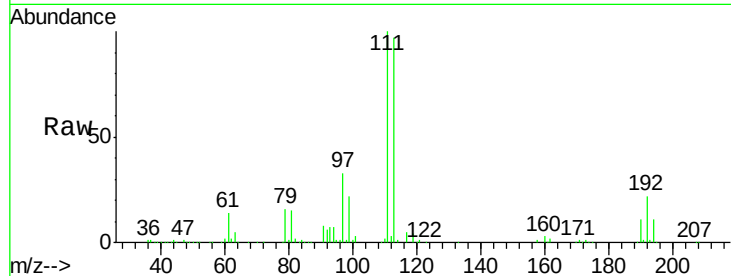
#35
 Dibromofluoromethane
 Concen: 47.72 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	790199		
111	101.4	82.4	123.6	
192	22.0	15.0	22.6	

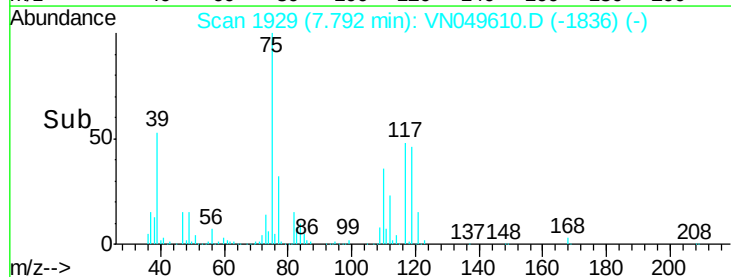
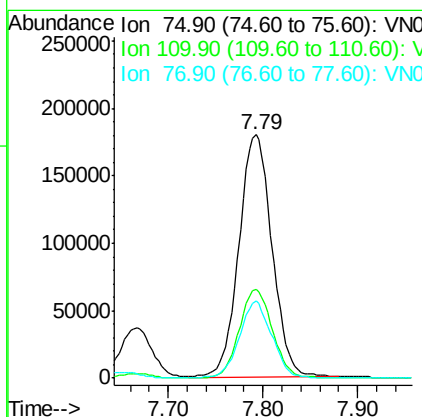
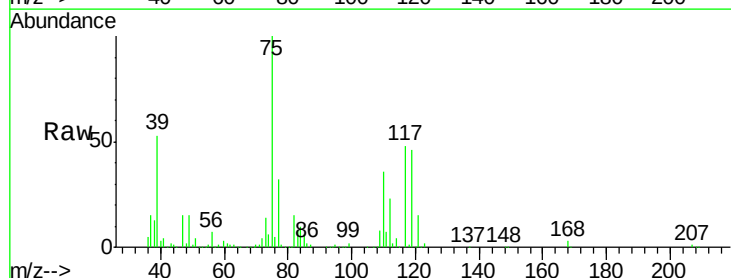
Manual Integrations
 APPROVED

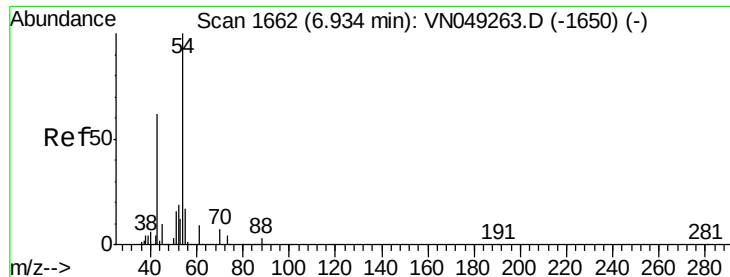
MMDadoda
 6/29/2018 1:46:48 PM



#36
 1,1-Dichloropropene
 Concen: 18.64 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	437237		
110	36.8	17.0	50.9	
77	31.3	24.4	36.6	





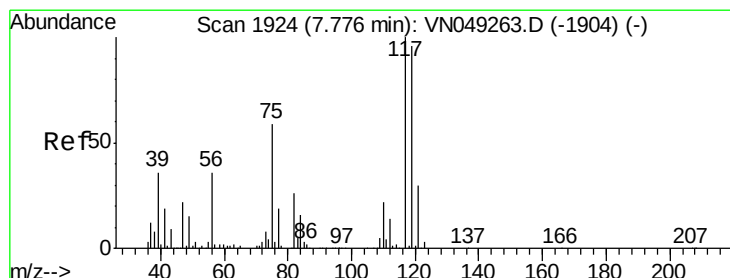
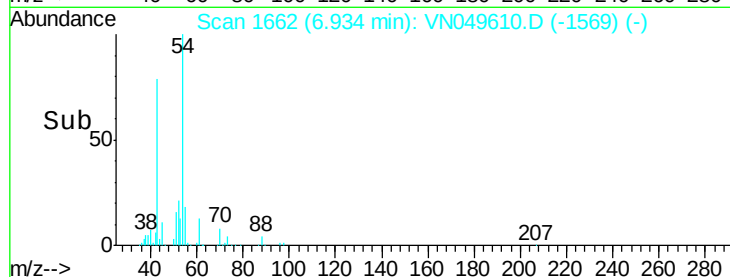
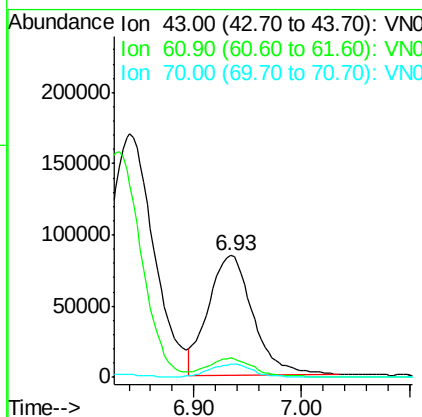
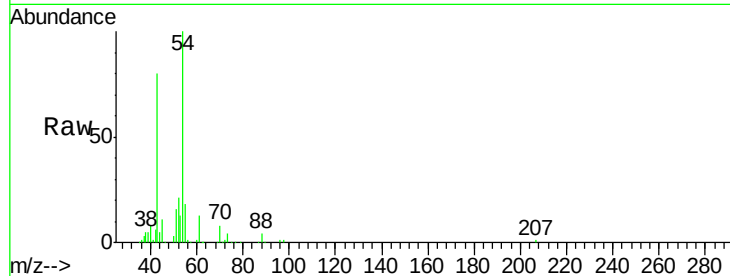
#37
Ethyl Acetate
Concen: 19.00 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.0	16.4
70	10.7	7.2	10.8

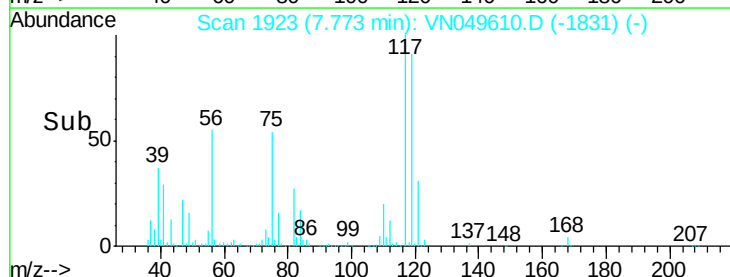
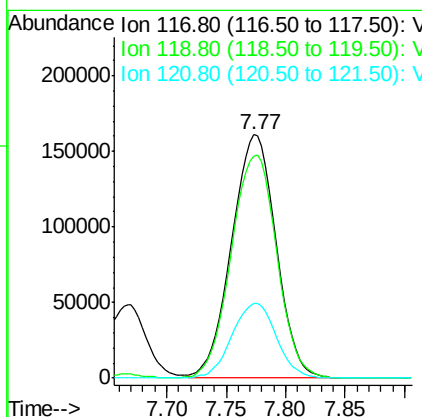
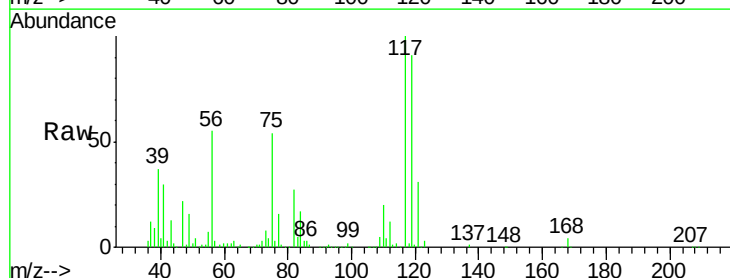
Manual Integrations
APPROVED

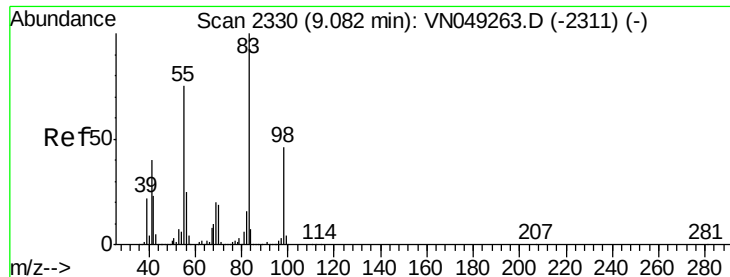
MMDadoda
6/29/2018 1:46:48 PM



#38
Carbon Tetrachloride
Concen: 17.06 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.6	113.4
121	30.8	24.7	37.1





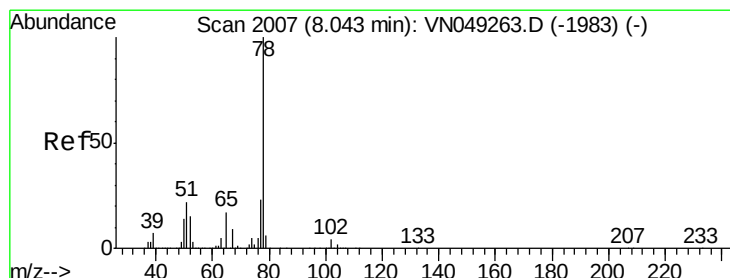
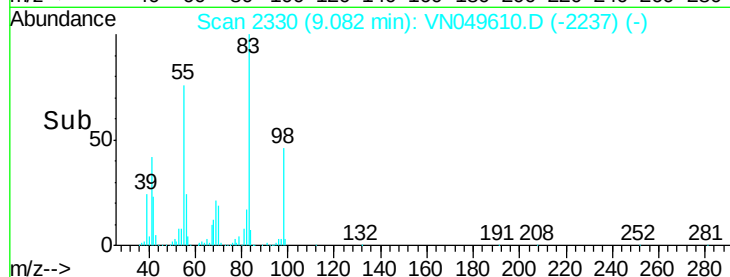
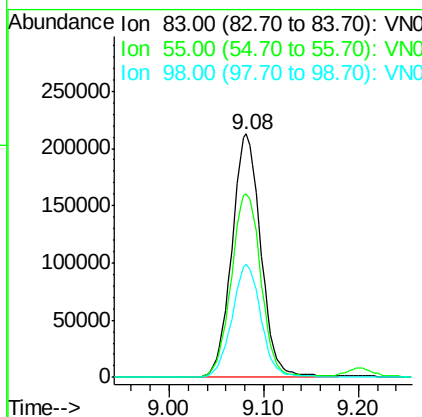
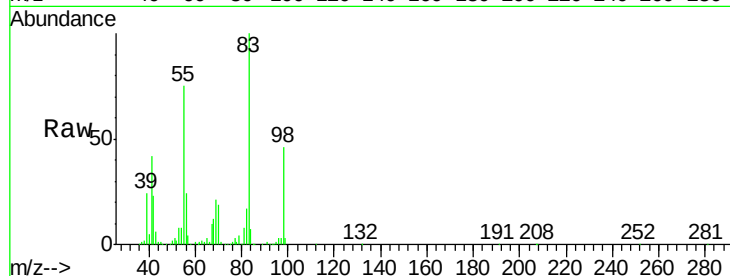
#39
Methylvlcyclohexane
Concen: 18.01 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	65.1	97.7
98	46.4	36.5	54.7

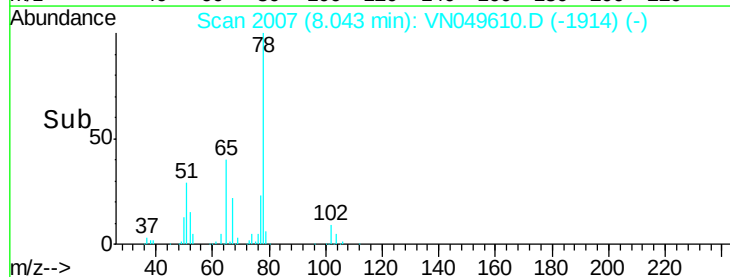
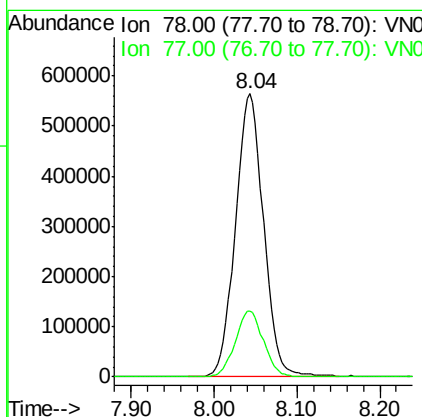
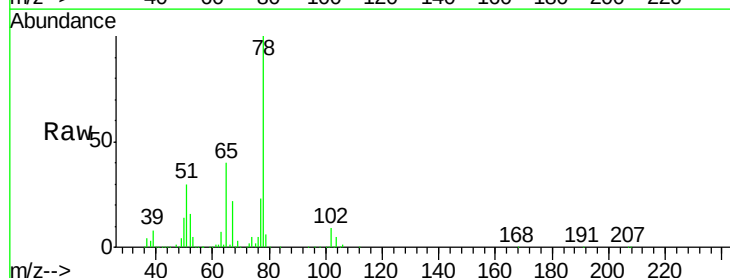
Manual Integrations
APPROVED

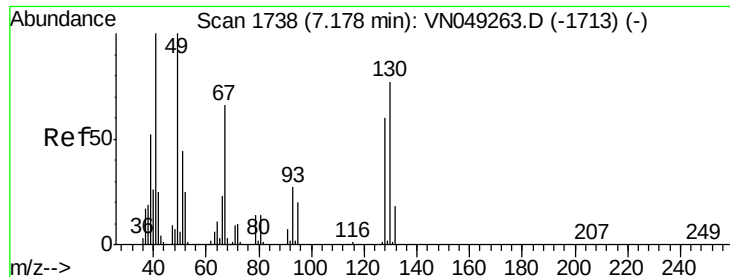
MMDadoda
6/29/2018 1:46:48 PM



#40
Benzene
Concen: 18.55 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





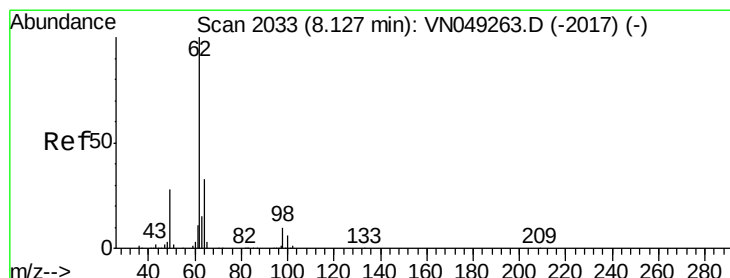
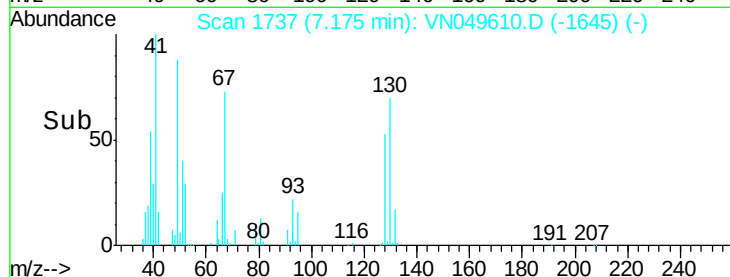
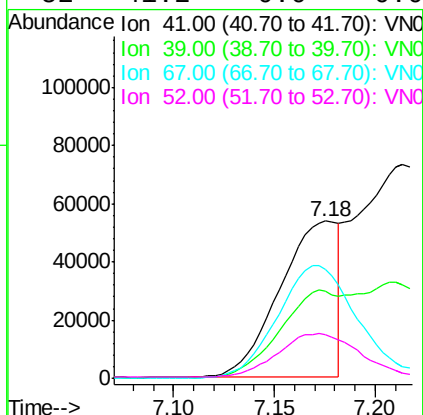
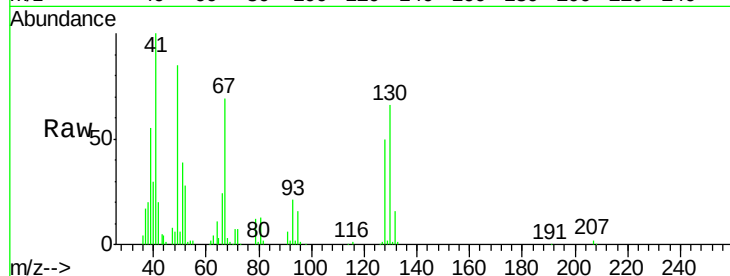
#41
Methacrylonitrile
Concen: 15.63 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	0.0	0.0#
67	100.6	0.0	0.0#
52	41.2	0.0	0.0#

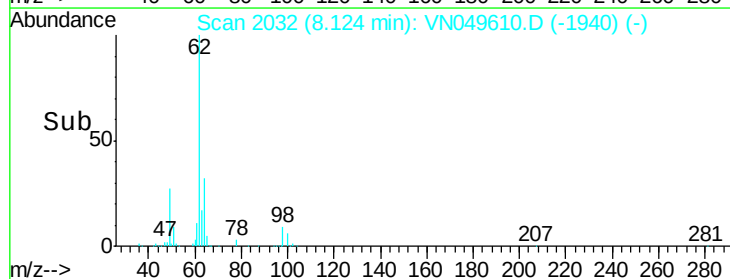
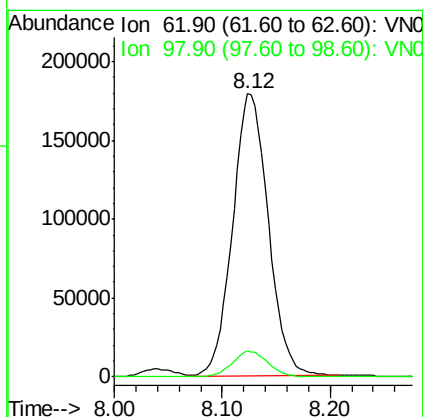
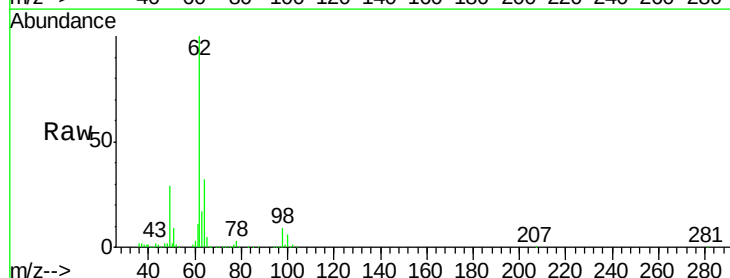
Manual Integrations
APPROVED

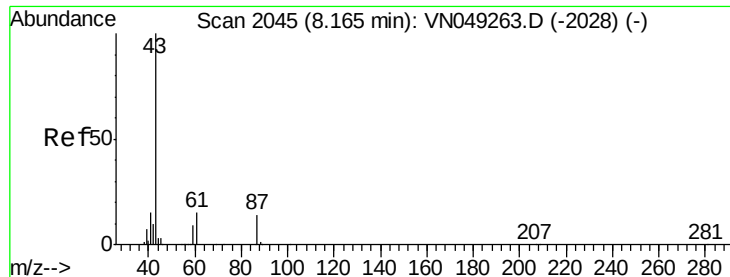
MMDadoda
6/29/2018 1:46:48 PM



#42
1,2-Dichloroethane
Concen: 18.57 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 23.11 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

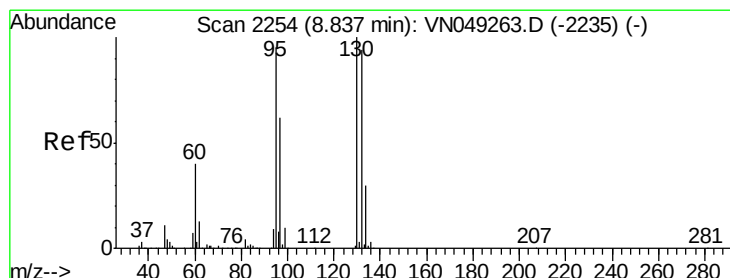
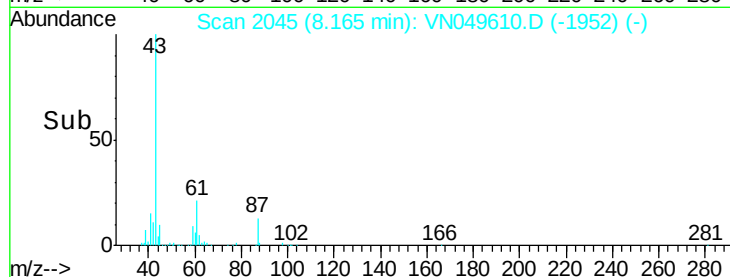
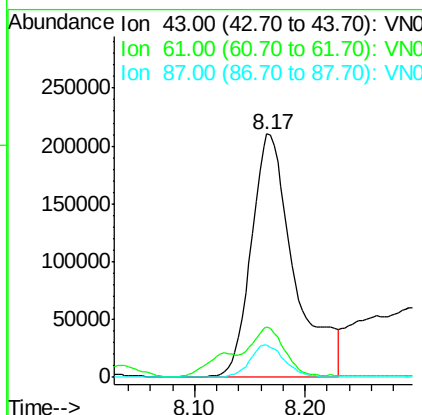
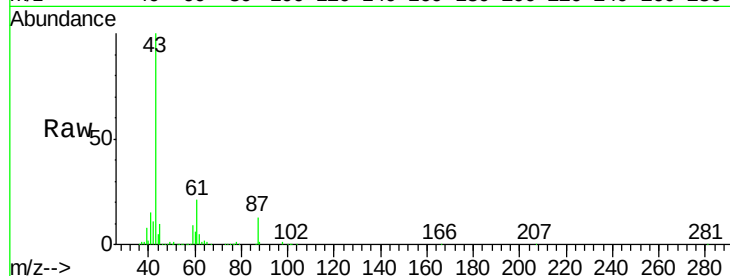
ClientSampleId :

VN0628WBS02

Tot Ion:	43	Resp:	563214
Ion	Ratio	Lower	Upper
43	100		
61	15.0	14.2	21.4
87	11.0	9.4	14.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#44

Trichloroethene

Concen: 20.88 ug/l

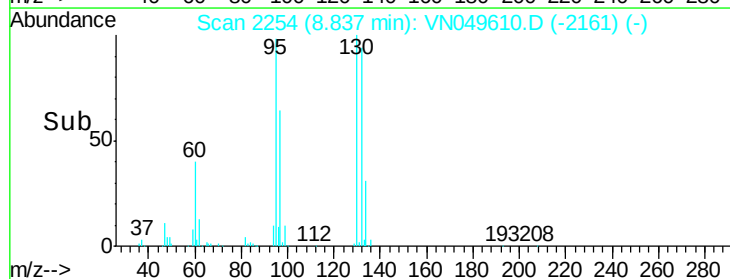
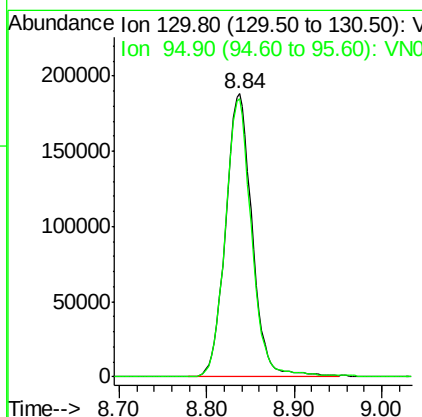
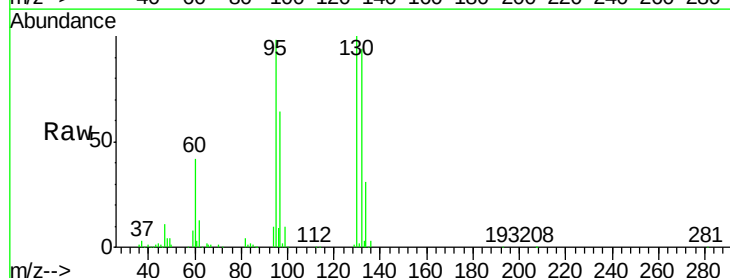
RT: 8.84 min Scan# 2254

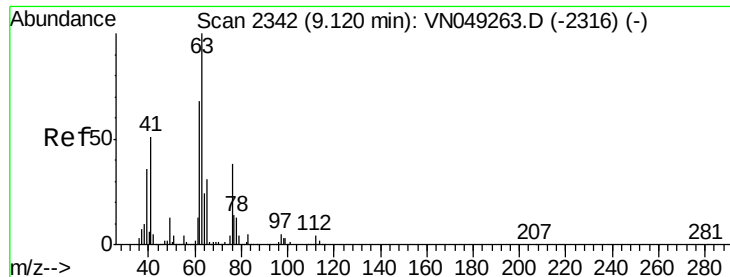
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	130	Resp:	396479
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	208.6





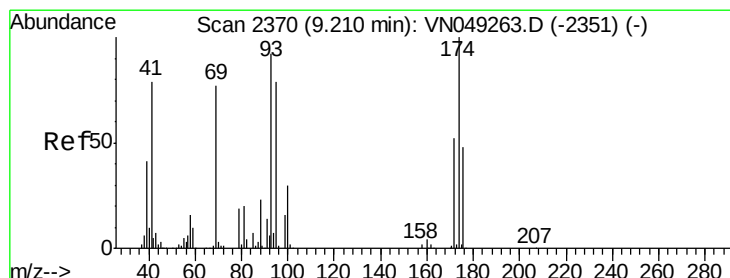
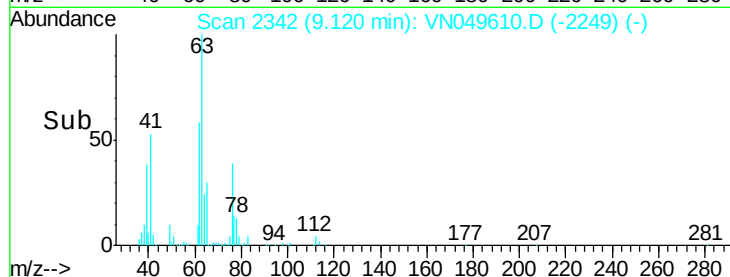
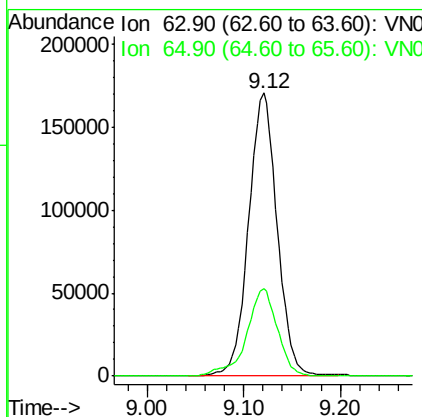
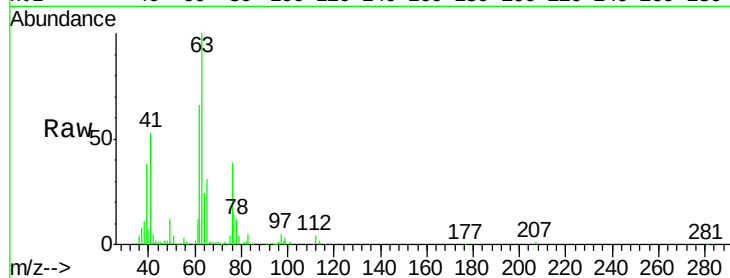
#45
 1,2-Dichloropropane
 Concen: 18.58 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.8	37.2

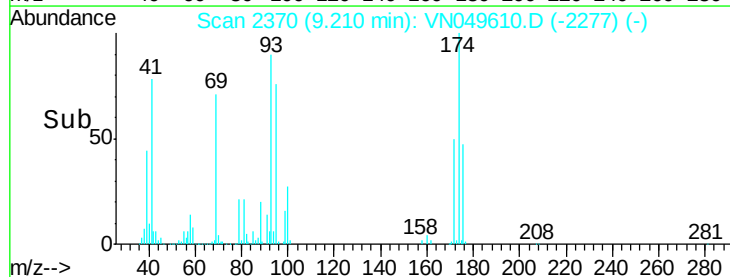
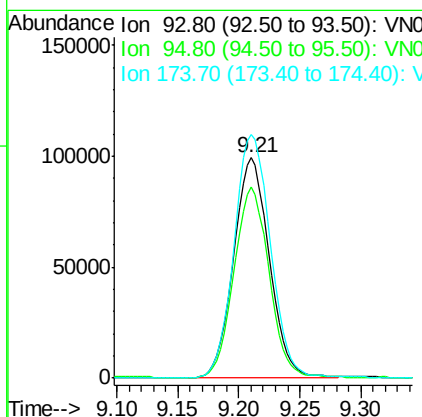
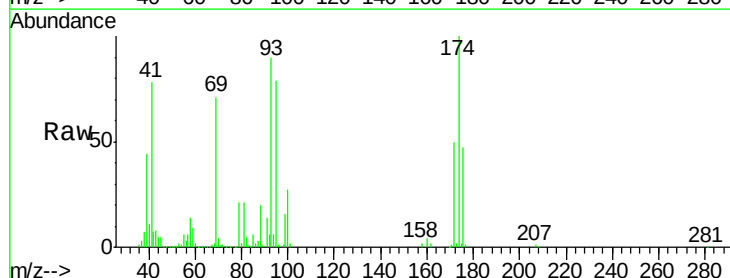
Manual Integrations
 APPROVED

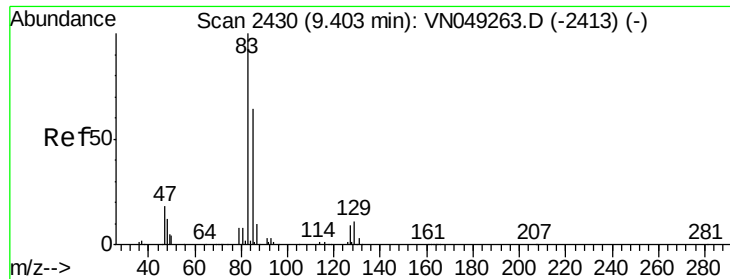
MMDadoda
 6/29/2018 1:46:48 PM



#46
 Dibromomethane
 Concen: 18.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	67.2	100.8
174	112.3	75.6	113.4





#47

Bromodichloromethane

Concen: 18.19 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

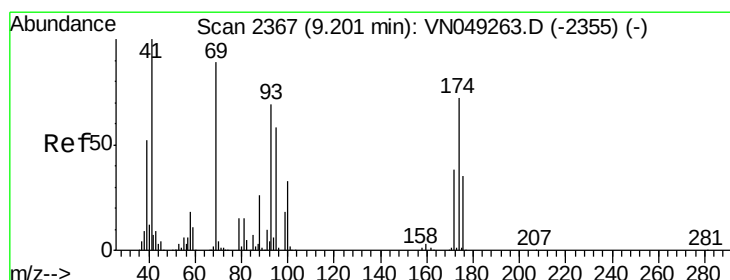
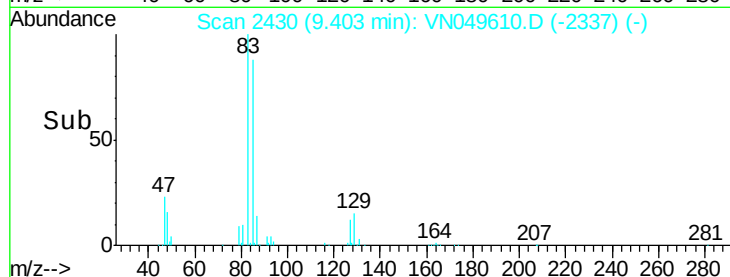
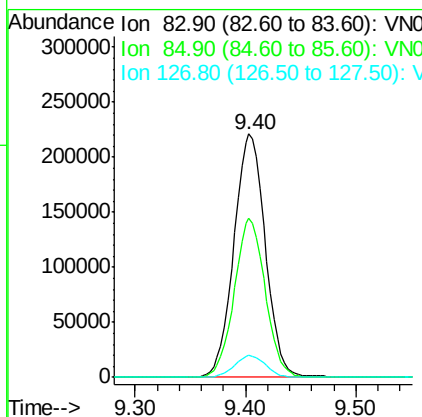
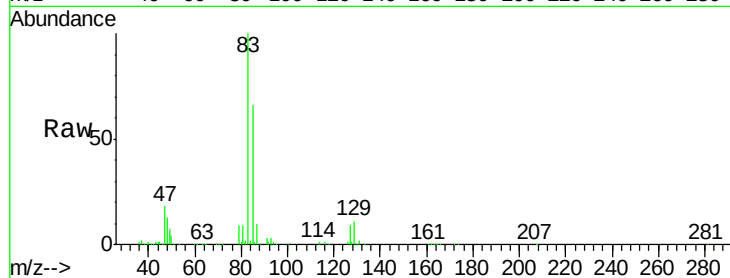
ClientSampleId :

VN0628WBS02

Tot Ion:	83	Resp:	436466
Ion Ratio	Lower	Upper	
83	100		
85	65.6	49.4	74.0
127	9.0	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#48

Methyl methacrylate

Concen: 18.83 ug/l

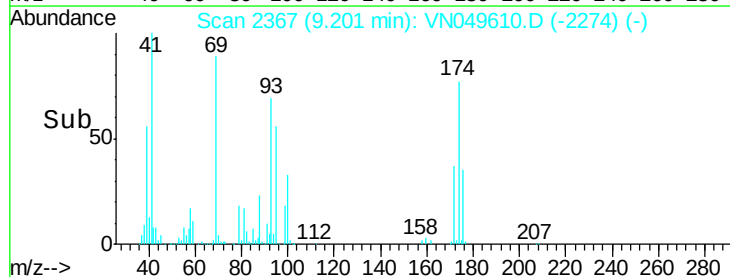
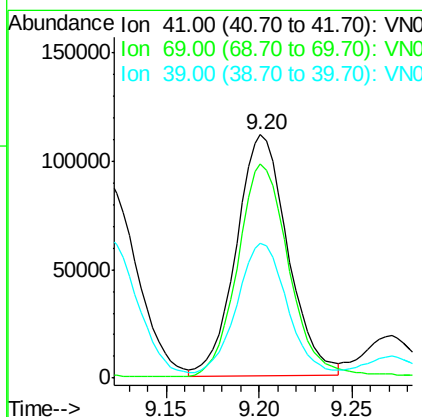
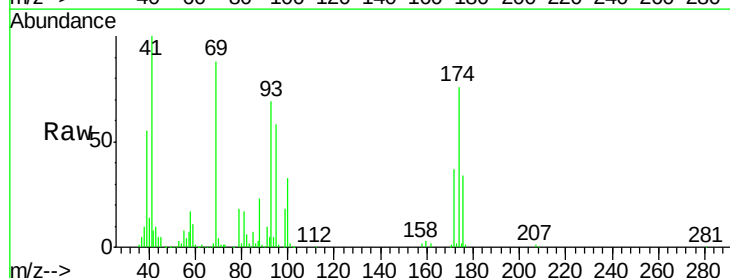
RT: 9.20 min Scan# 2367

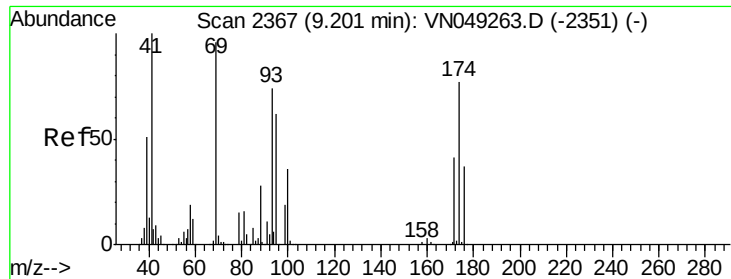
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	41	Resp:	216055
Ion Ratio	Lower	Upper	
41	100		
69	89.5	62.0	93.0
39	55.5	50.6	75.8





#49

1,4-Dioxane

Concen: 357.12 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

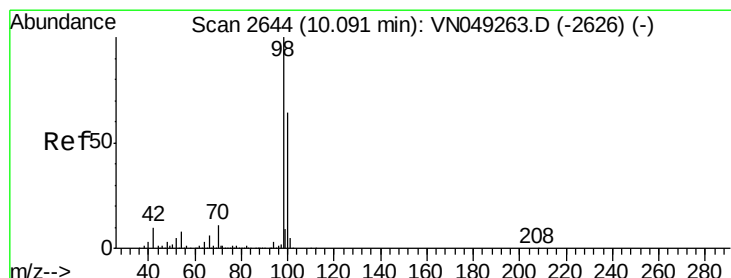
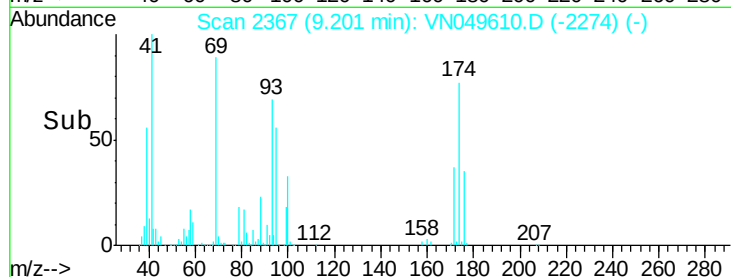
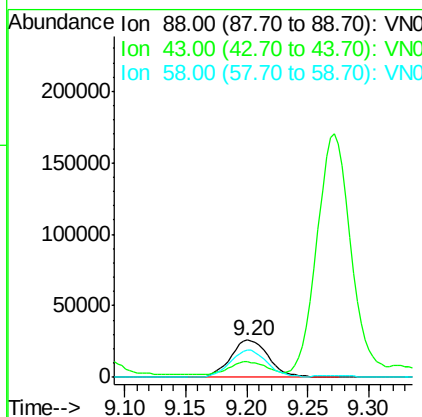
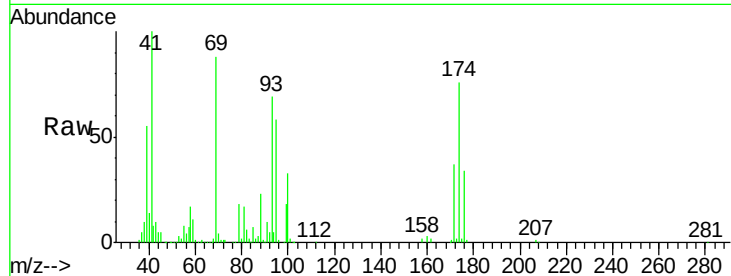
ClientSampleId :

VN0628WBS02

Tot Ion:	88	Resp:	56556
Ion	Ratio	Lower	Upper
88	100		
43	33.3	30.9	46.3
58	71.1	58.9	88.3

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#50

Toluene-d8

Concen: 47.51 ug/l

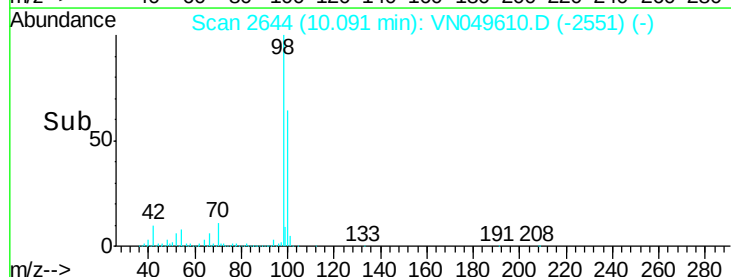
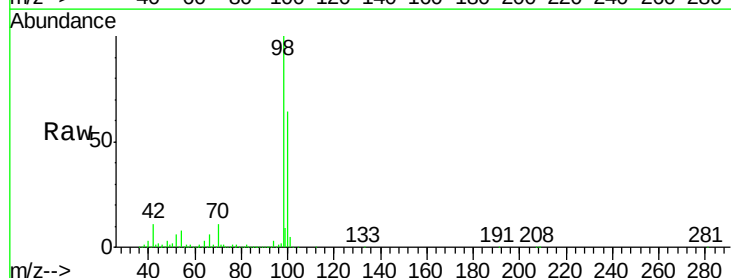
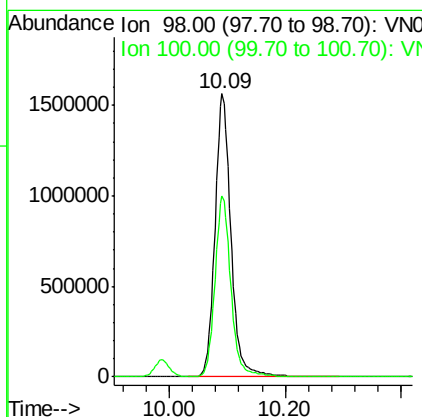
RT: 10.09 min Scan# 2644

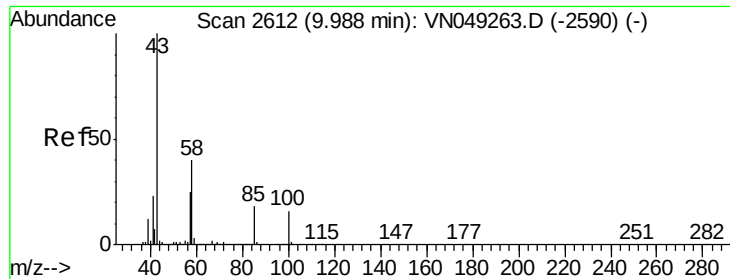
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	98	Resp:	2995349
Ion	Ratio	Lower	Upper
98	100		
100	64.3	49.8	74.8





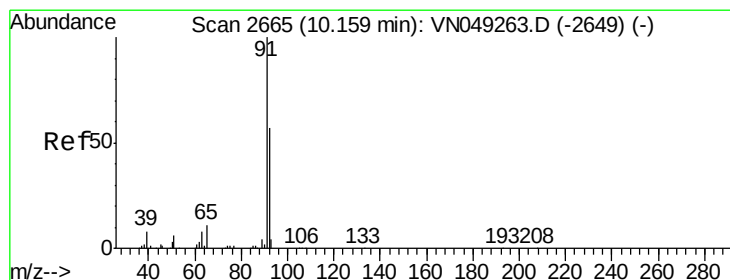
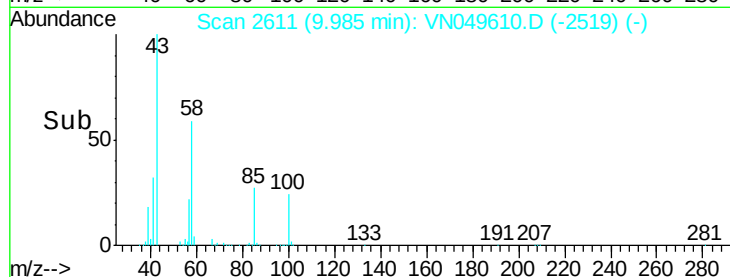
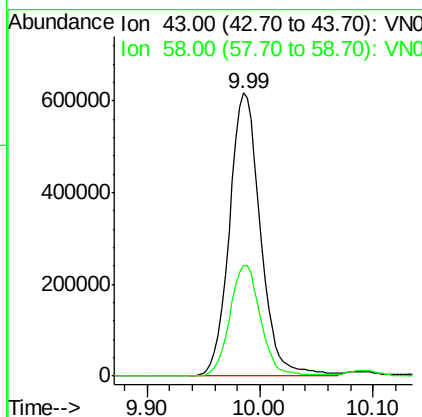
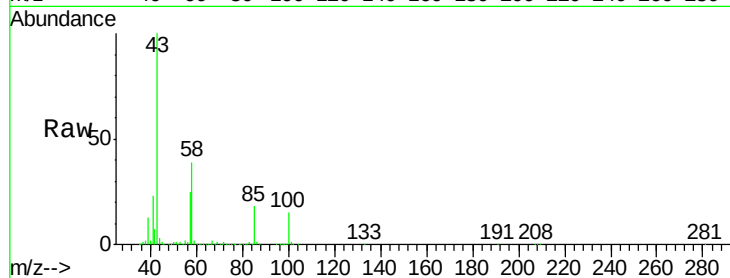
#51
4-Methyl-2-Pentanone
Concen: 91.93 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion: 43 Resp: 1174013
Ion Ratio Lower Upper
43 100
58 39.3 29.0 43.6

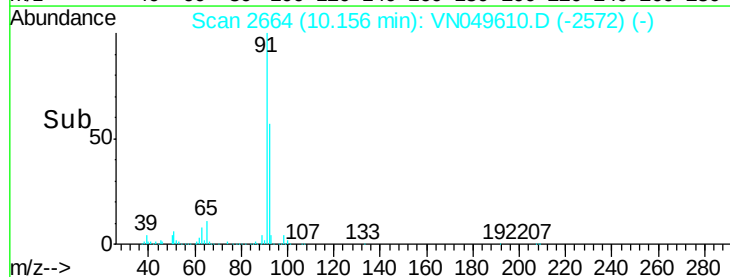
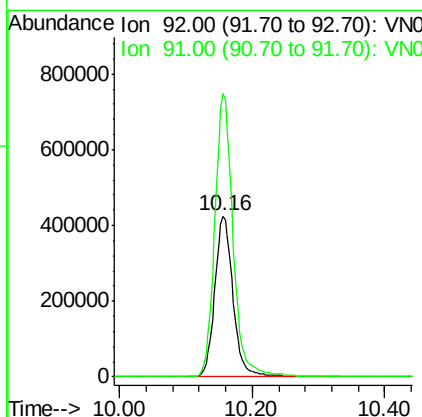
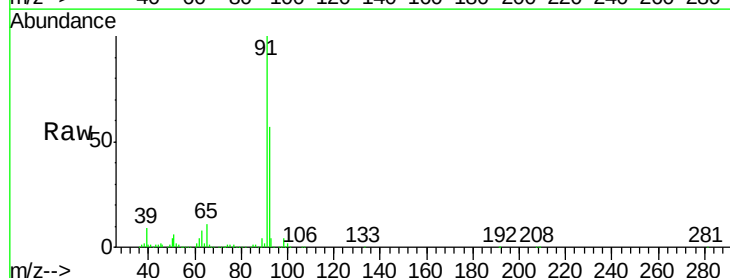
Manual Integrations
APPROVED

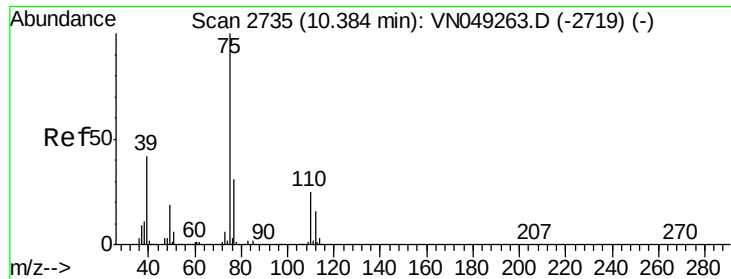
MMDadoda
6/29/2018 1:46:48 PM



#52
Toluene
Concen: 19.25 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion: 92 Resp: 812548
Ion Ratio Lower Upper
92 100
91 175.8 143.4 215.2





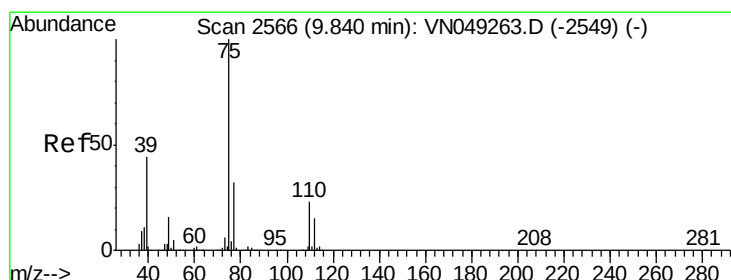
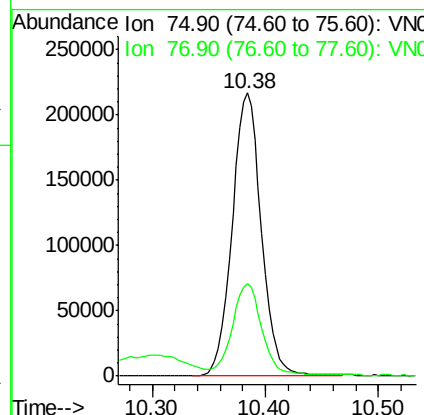
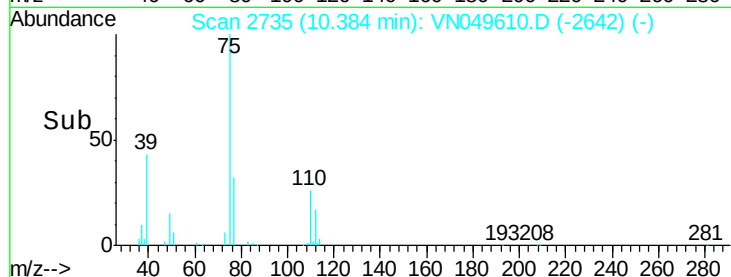
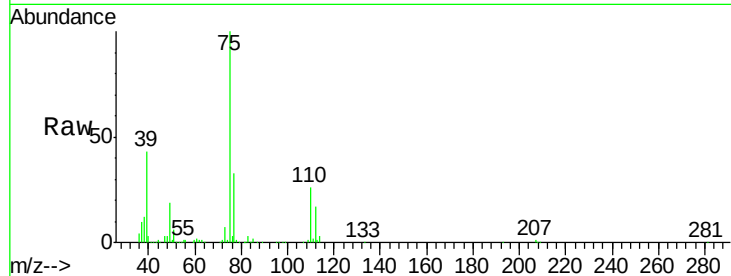
#53
 t-1,3-Dichloropropene
 Concen: 16.86 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0628WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8

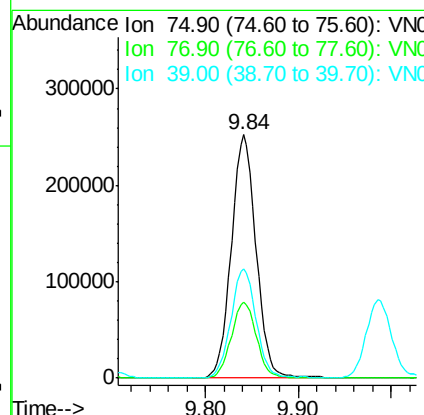
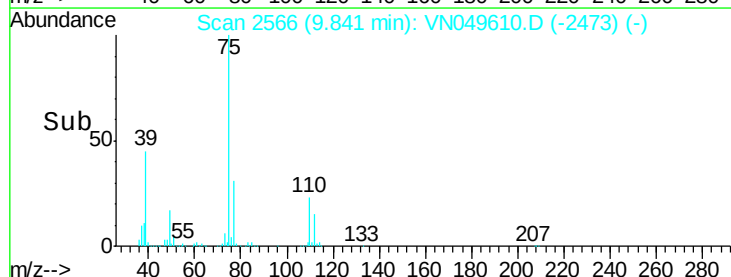
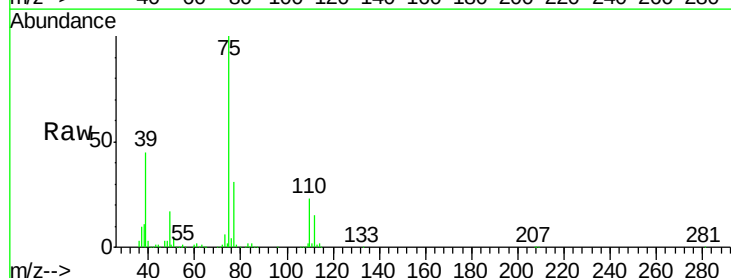
Manual Integrations
 APPROVED

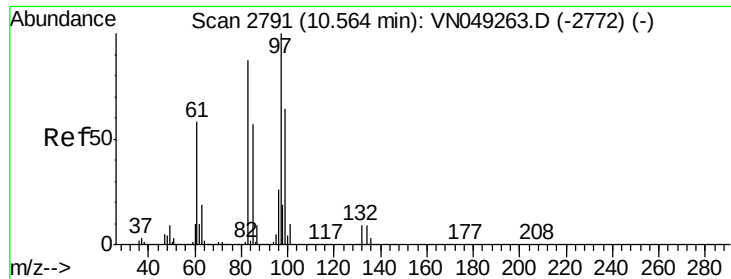
MMDadoda
 6/29/2018 1:46:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 17.28 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	44.9	45.1	67.7#





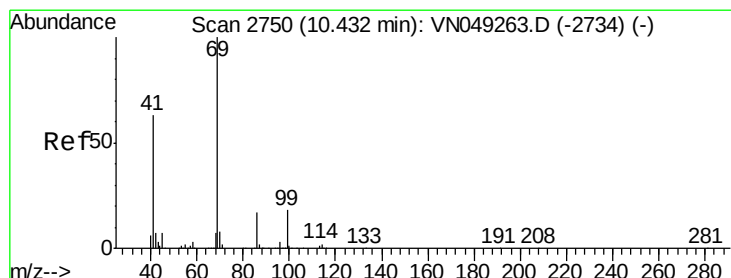
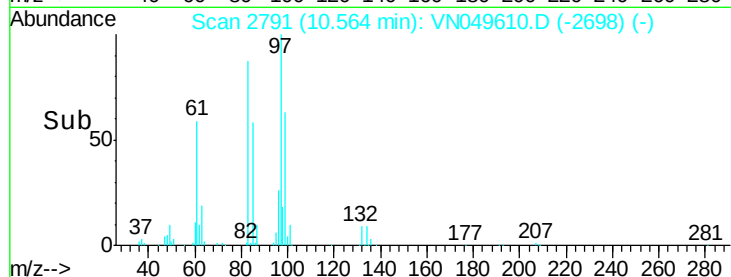
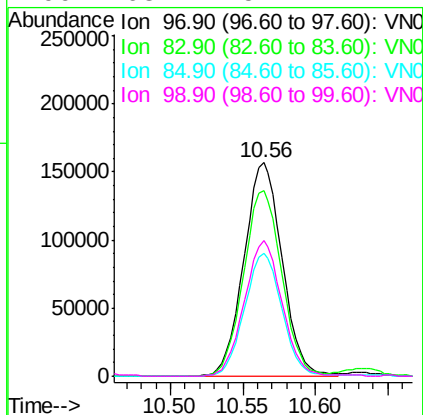
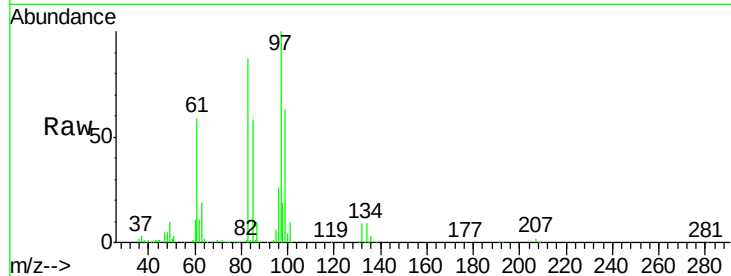
#55
 1,1,2-Trichloroethane
 Concen: 18.30 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		288025		
83	86.7	71.5	107.3		
85	57.6	47.0	70.4		
99	63.2	51.4	77.2		

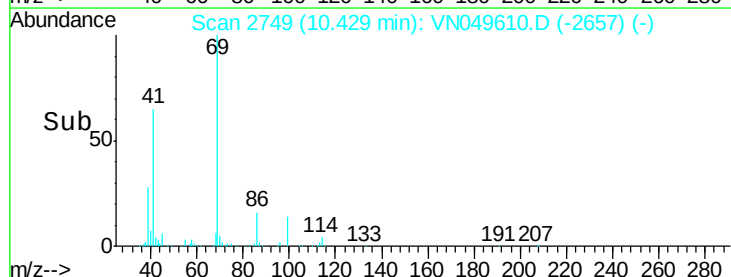
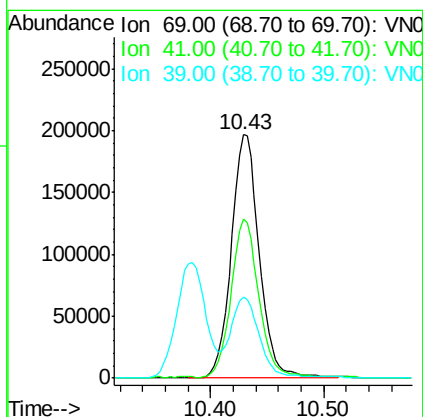
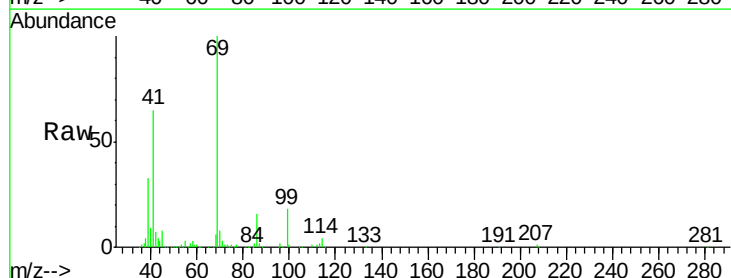
Manual Integrations
 APPROVED

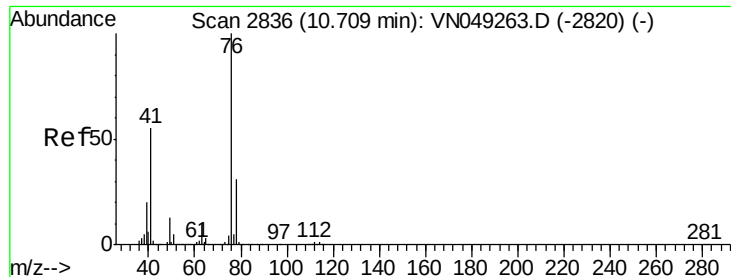
MMDadoda
 6/29/2018 1:46:48 PM



#56
 Ethyl methacrylate
 Concen: 18.63 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		338187		
41	64.1	58.4	87.6		
39	33.4	35.5	53.3#		





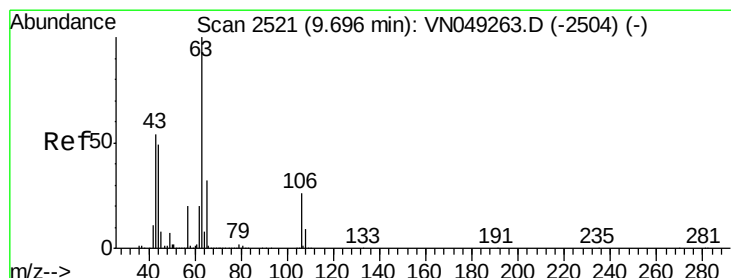
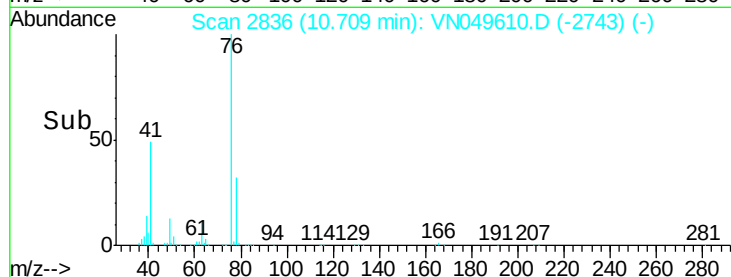
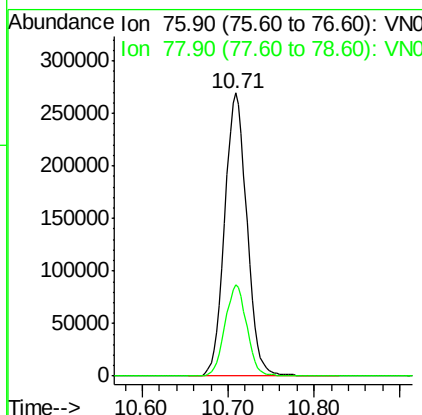
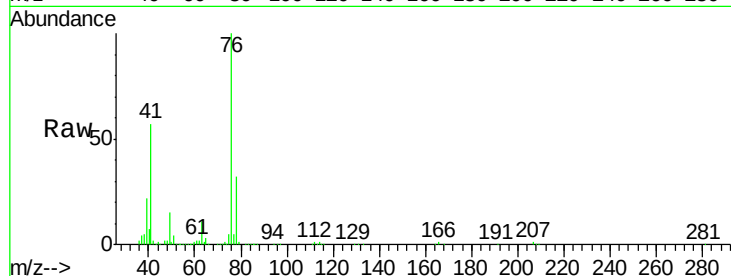
#57
 1,3-Dichloropropane
 Concen: 18.56 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion: 76 Resp: 483732
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.3 39.5

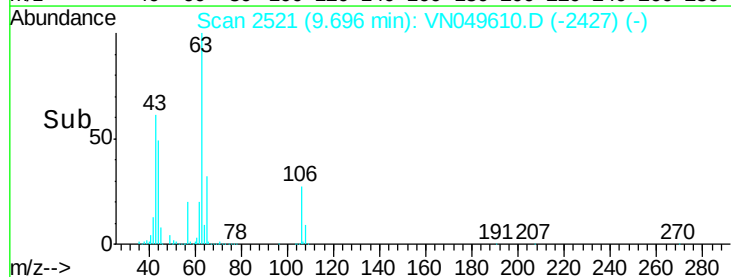
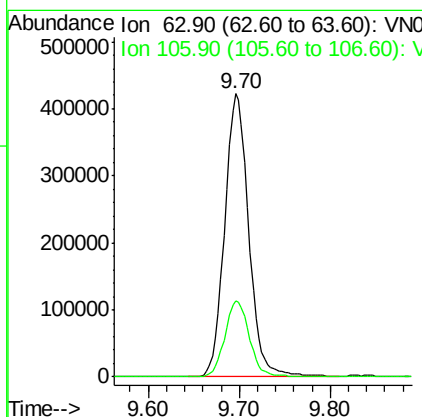
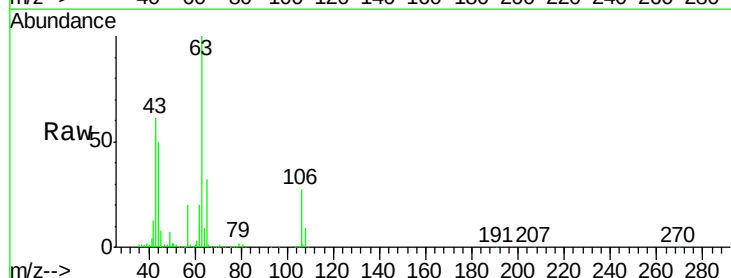
Manual Integrations
 APPROVED

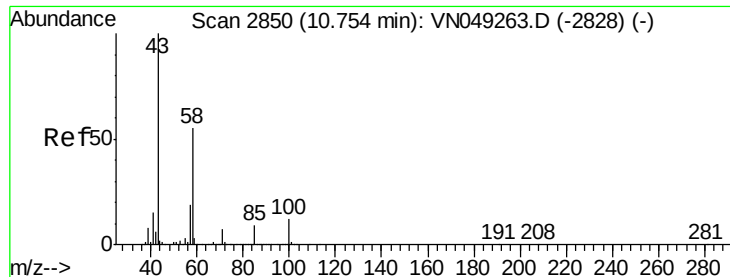
MMDadoda
 6/29/2018 1:46:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.26 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion: 63 Resp: 777508
 Ion Ratio Lower Upper
 63 100
 106 27.4 19.4 29.2





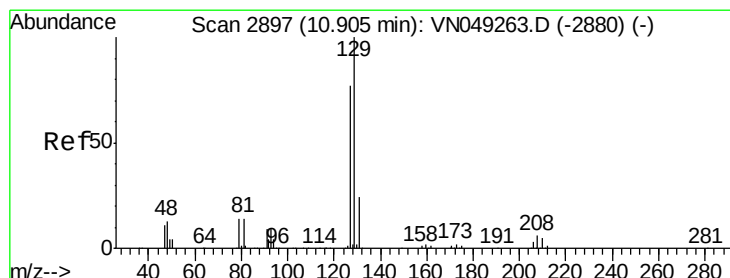
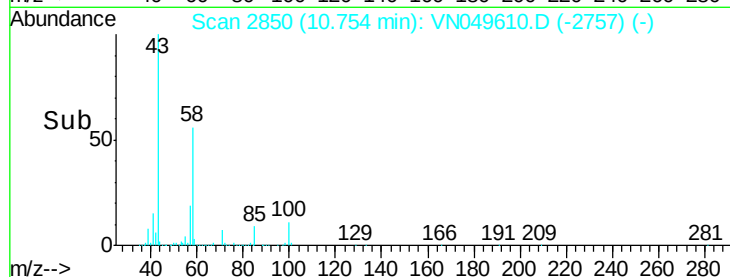
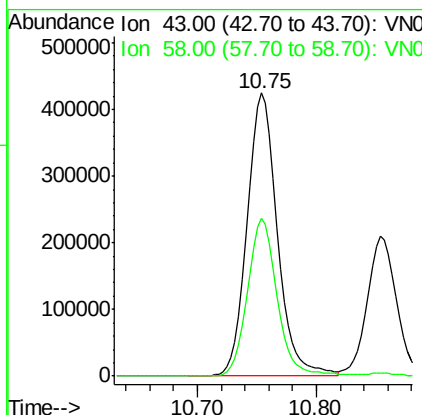
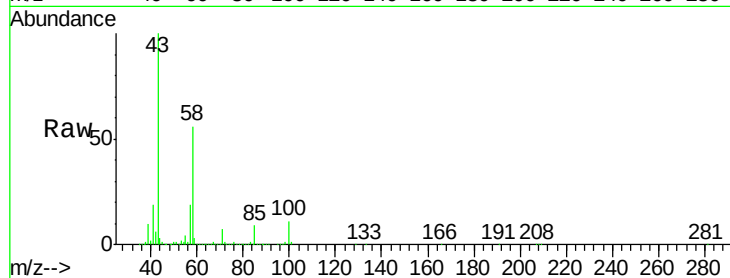
#59
2-Hexanone
Concen: 90.14 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	25.2	75.6

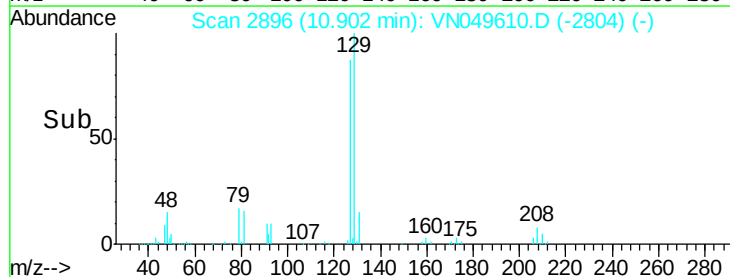
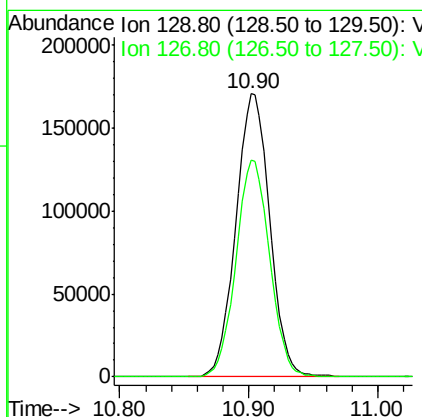
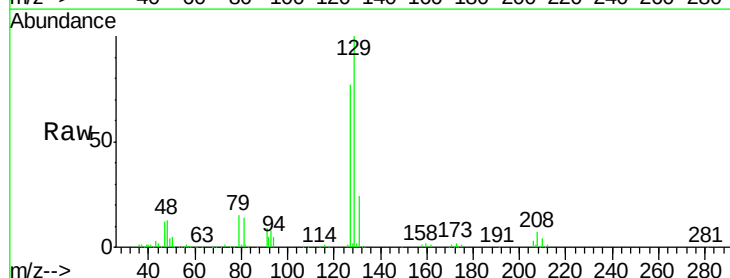
Manual Integrations
APPROVED

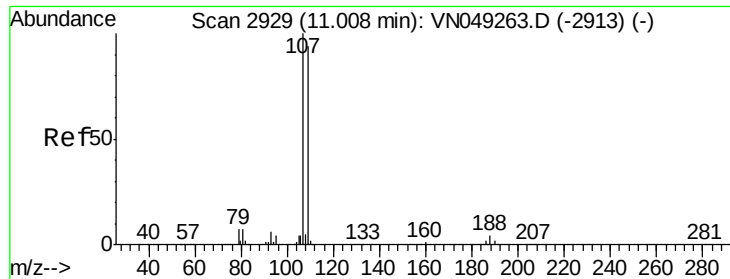
MMDadoda
6/29/2018 1:46:48 PM



#60
Dibromochloromethane
Concen: 17.80 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 19.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion:107 Resp: 278646

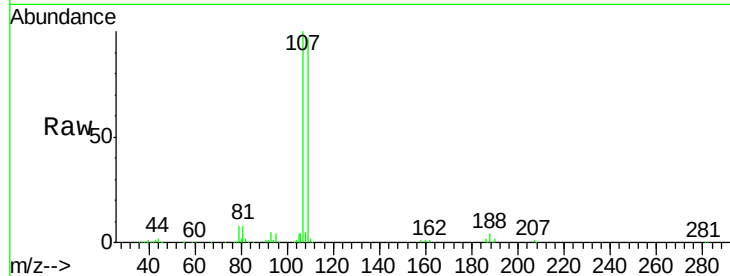
Ion Ratio Lower Upper

107 100

109 95.3 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

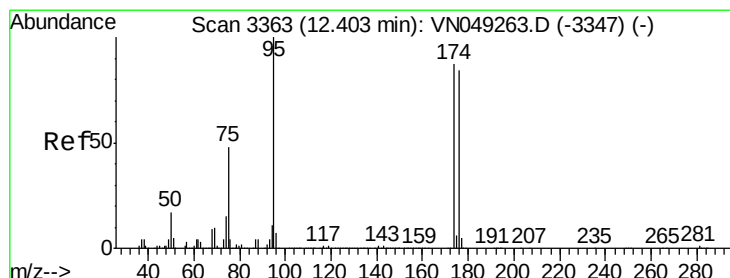
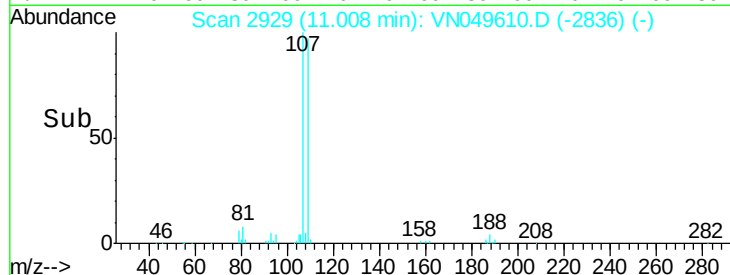
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

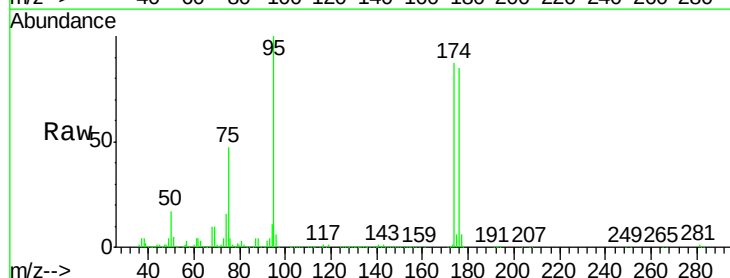
Tgt Ion: 95 Resp: 998234

Ion Ratio Lower Upper

95 100

174 88.7 0.0 165.6

176 85.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

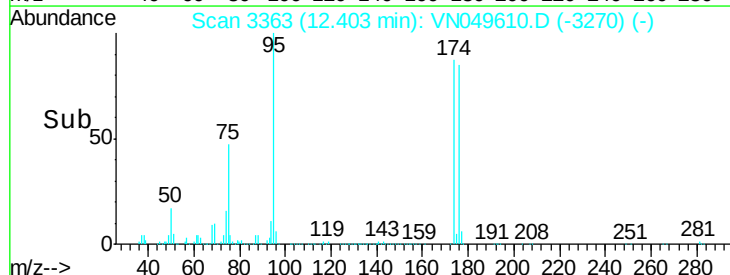
600000

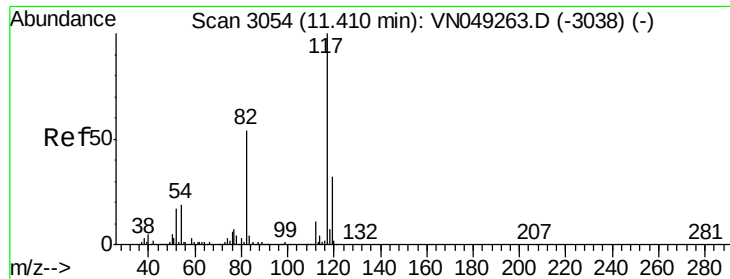
400000

200000

0

Time-->





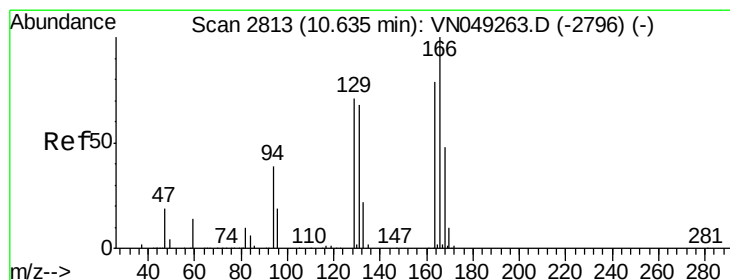
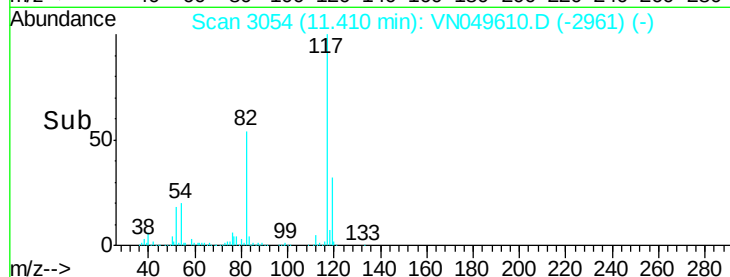
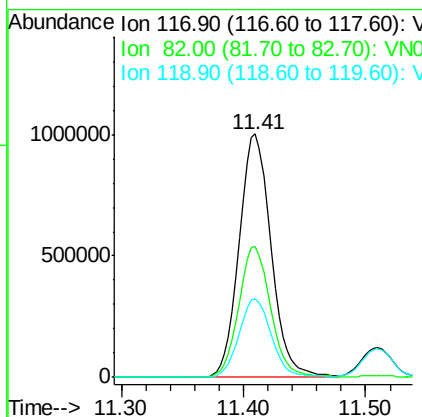
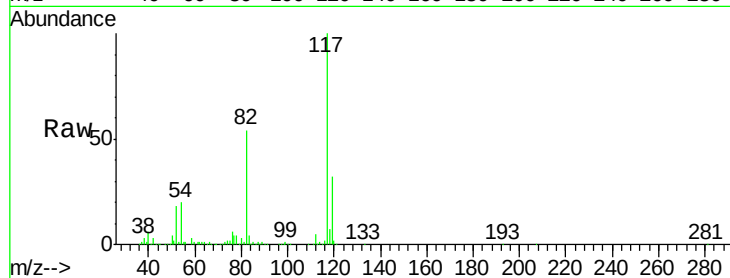
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	32.3	25.5	38.3

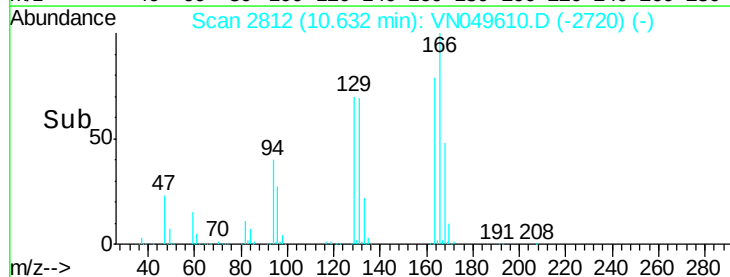
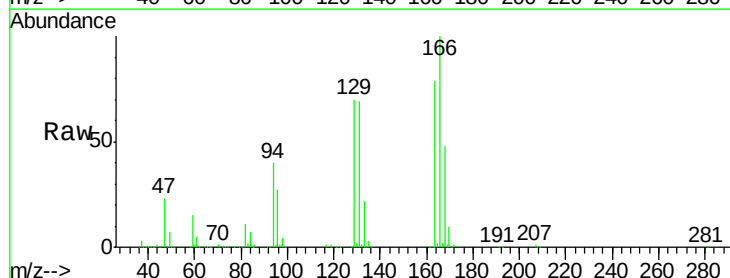
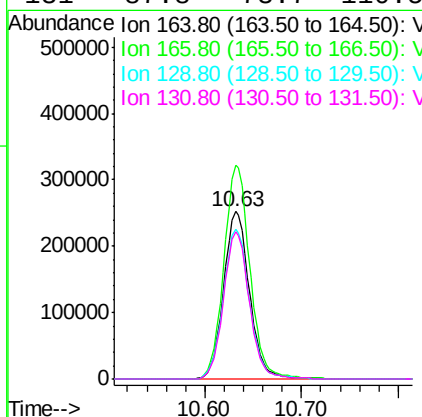
Manual Integrations
APPROVED

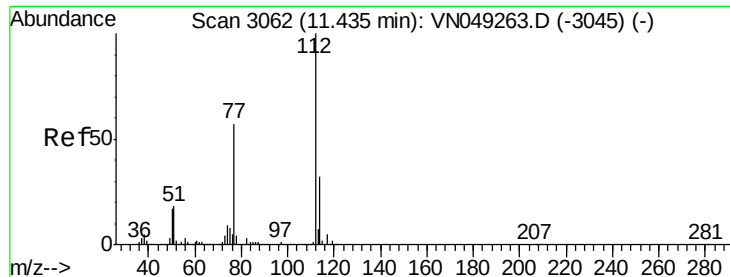
MMDadoda
6/29/2018 1:46:48 PM



#64
Tetrachloroethene
Concen: 25.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.4	152.2
129	89.4	74.1	111.1
131	87.8	73.7	110.5





#65

Chlorobenzene

Concen: 18.52 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampled :

VN0628WBS02

Tot Ion:112 Resp: 866770

Ion Ratio Lower Upper

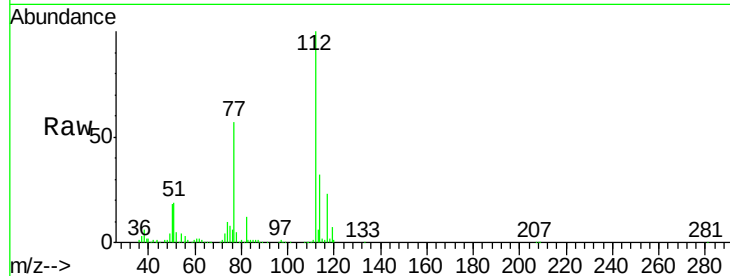
112 100

114 31.9 26.2 39.4

Manual Integrations
APPROVED

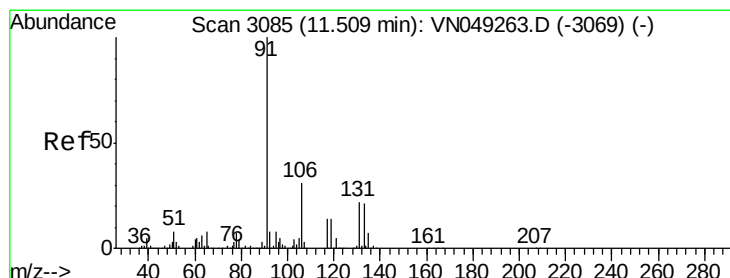
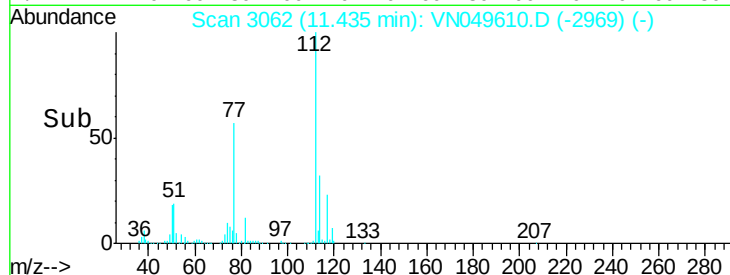
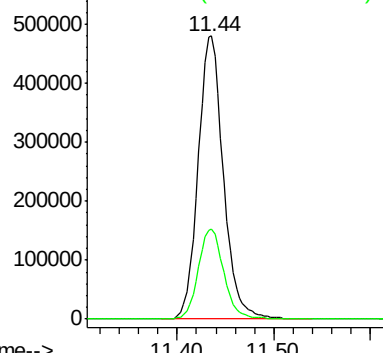
MMDadoda

6/29/2018 1:46:48 PM



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: 17.98 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

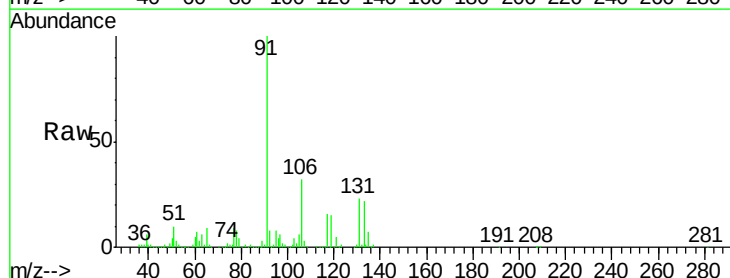
Tgt Ion:131 Resp: 316701

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.2

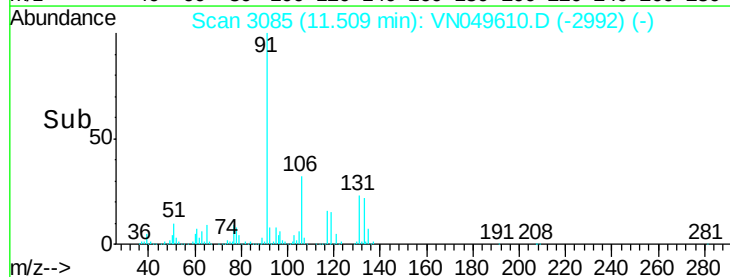
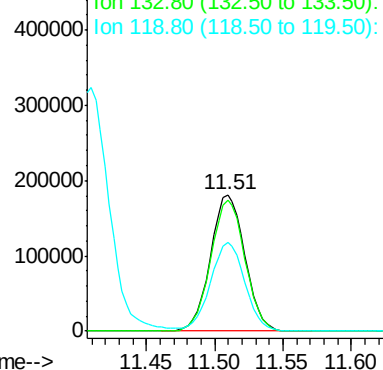
119 65.2 33.6 100.8

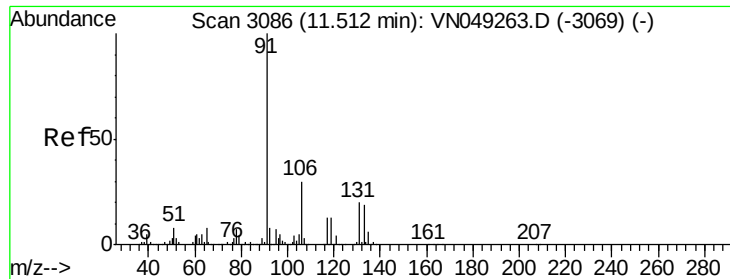


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.81 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 91 Resp: 1460588

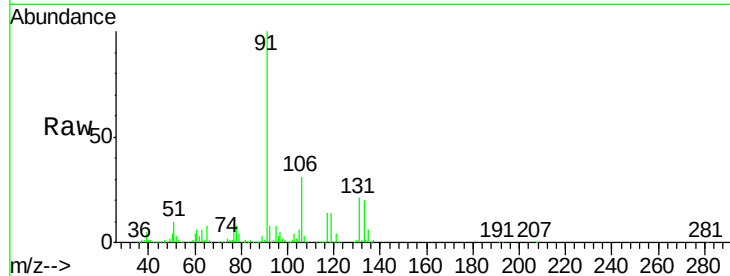
Ion Ratio Lower Upper

91 100

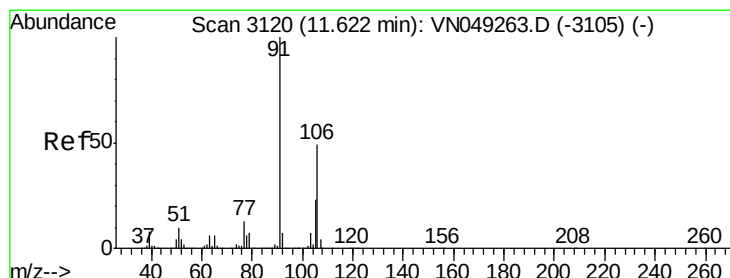
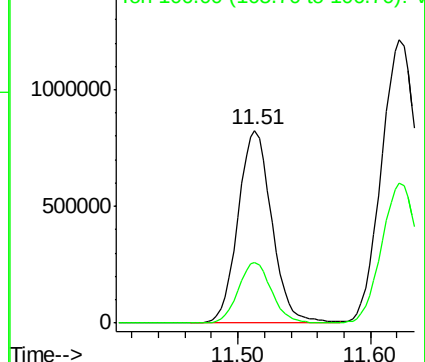
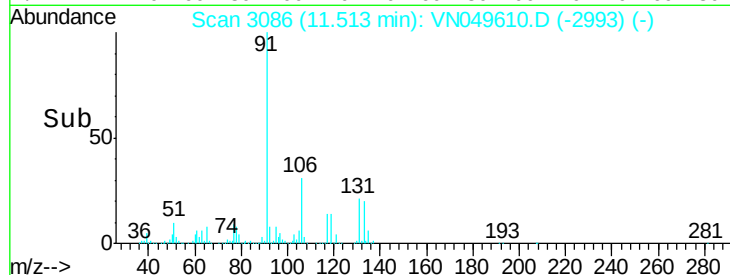
106 31.4 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049610.D (-2993) (-)



#68

m/p-Xylenes

Concen: 39.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049610.D

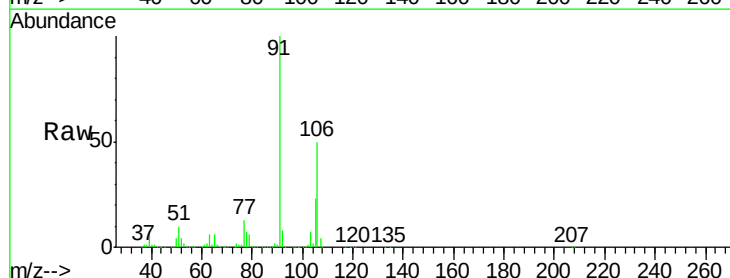
Acq: 29 Jun 2018 00:52

Tgt Ion: 106 Resp: 1153188

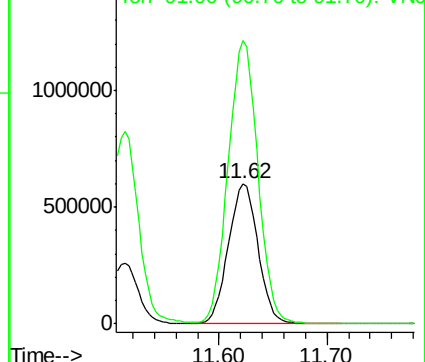
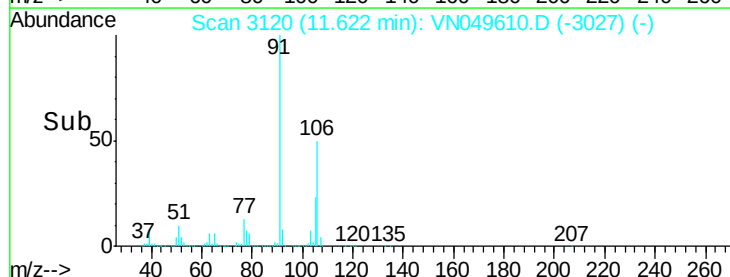
Ion Ratio Lower Upper

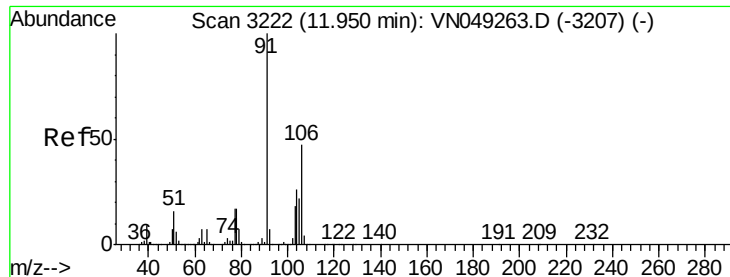
106 100

91 202.5 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049610.D (-3027) (-)





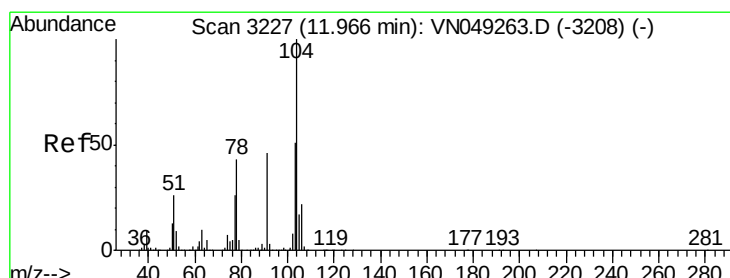
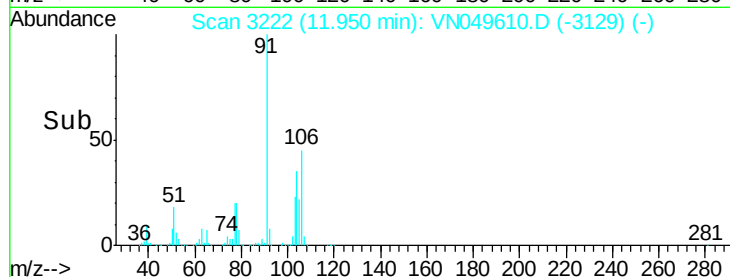
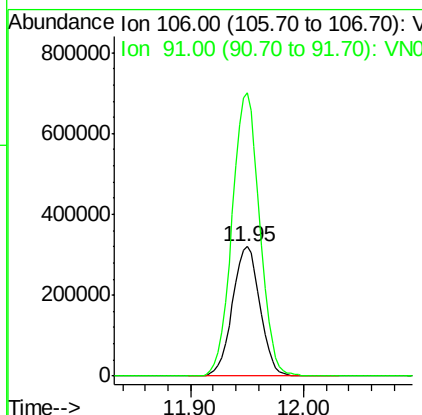
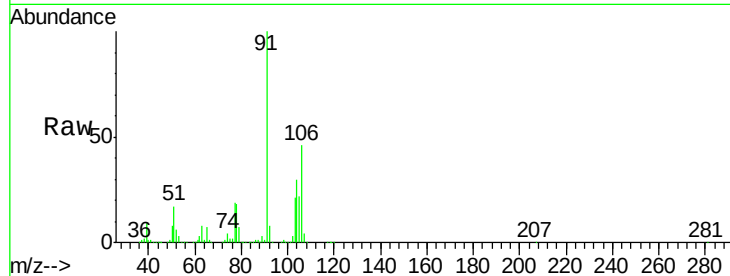
#69
o-Xylene
Concen: 19.29 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	541411		
91	91	219.5	111.0	333.0	

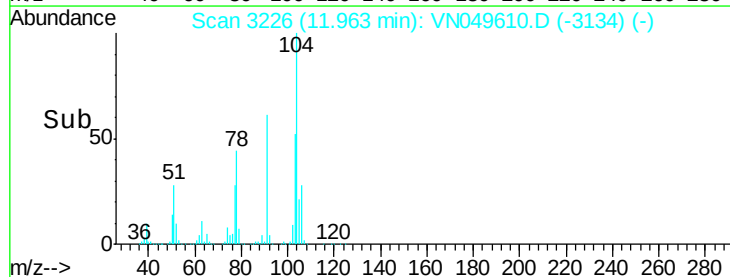
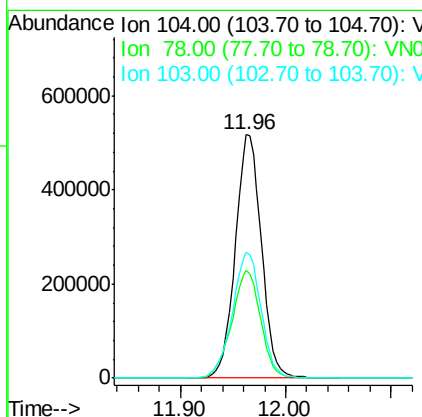
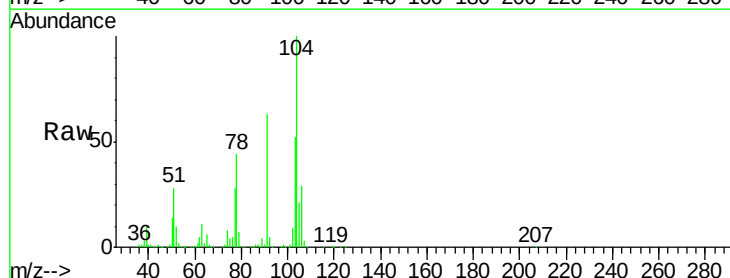
Manual Integrations
APPROVED

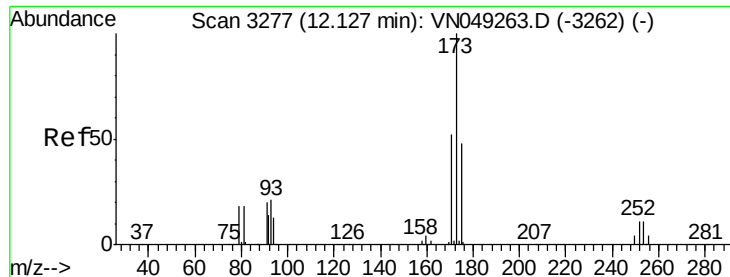
MMDadoda
6/29/2018 1:46:48 PM



#70
Styrene
Concen: 20.02 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	886399		
78	78	48.8	41.6	62.4	
103	103	56.6	45.4	68.2	





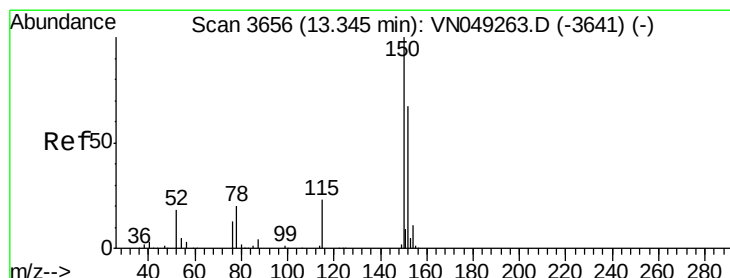
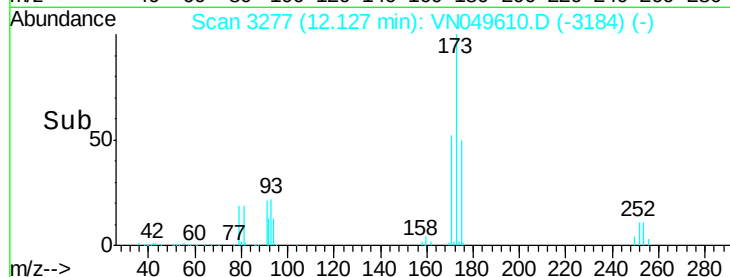
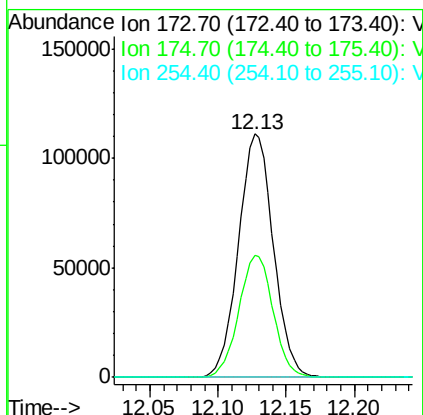
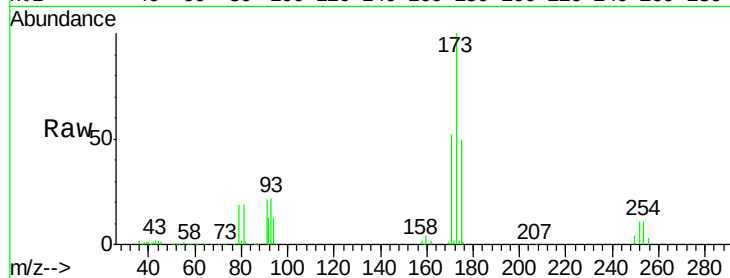
#71
Bromoform
Concen: 17.31 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.5	73.5
254	0.0	0.1	0.1#

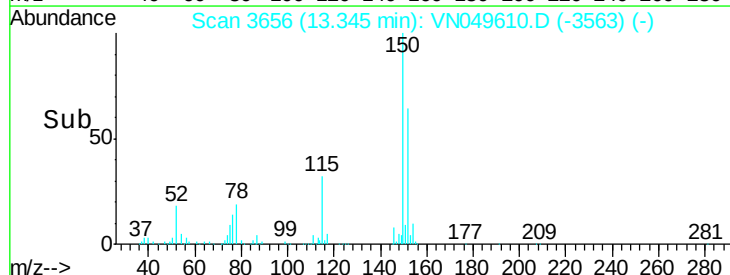
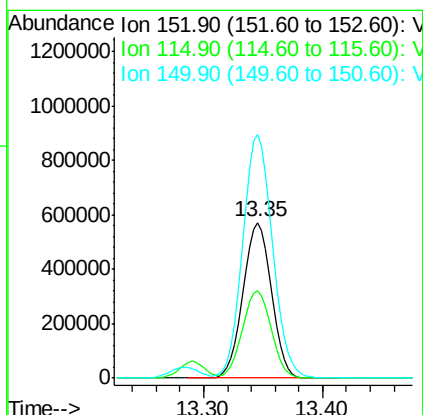
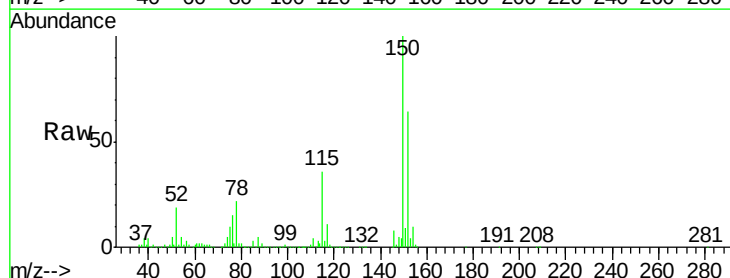
Manual Integrations
APPROVED

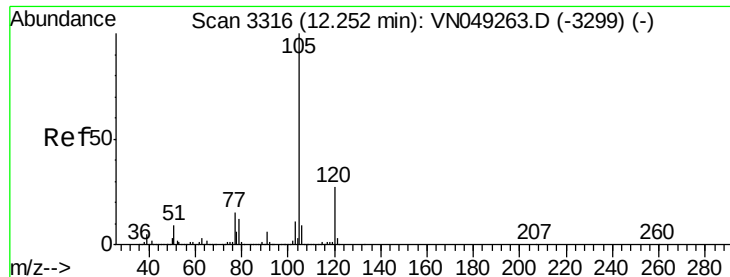
MMDadoda
6/29/2018 1:46:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	164.5	0.0	351.0





#73

Isopropylbenzene

Concen: 17.28 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion:105 Resp: 1432144

Ion Ratio Lower Upper

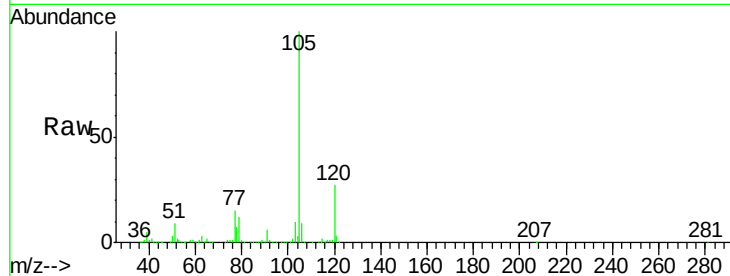
105 100

120 26.8 12.8 38.3

Manual Integrations
APPROVED

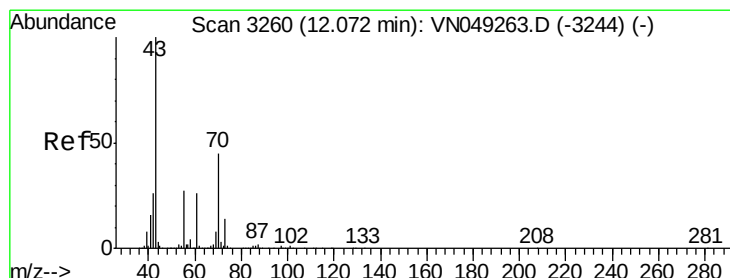
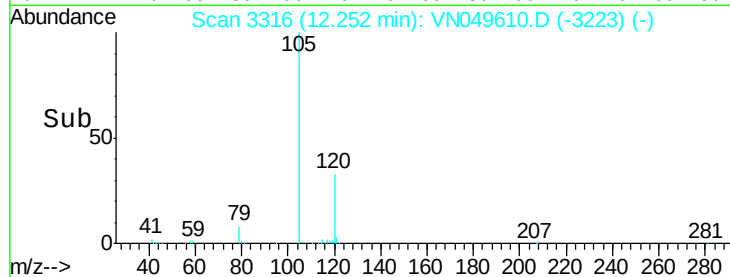
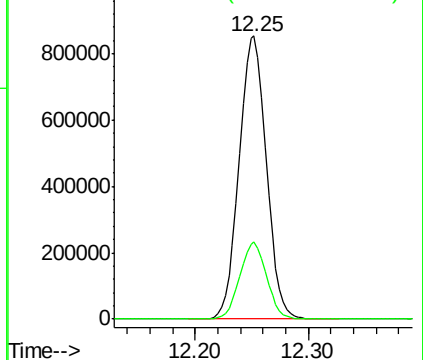
MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.00 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion: 43 Resp: 365504

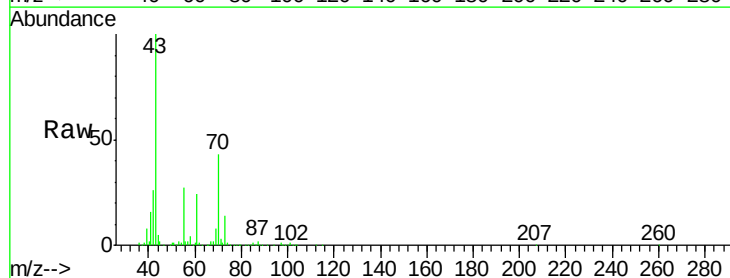
Ion Ratio Lower Upper

43 100

70 44.1 30.3 45.5

55 26.0 19.4 29.2

61 23.9 17.8 26.6

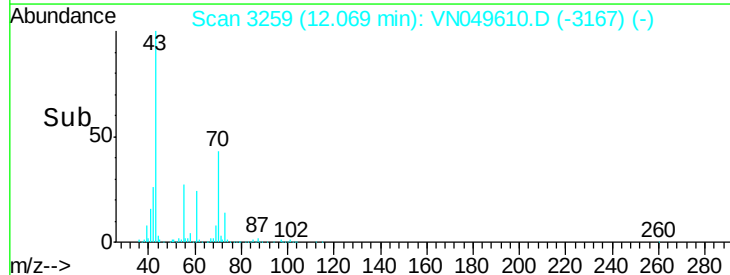
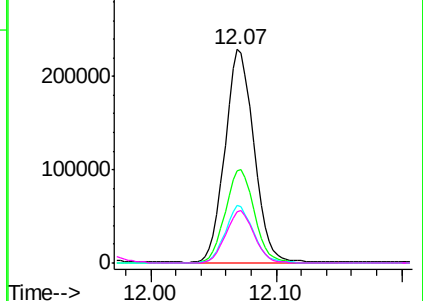


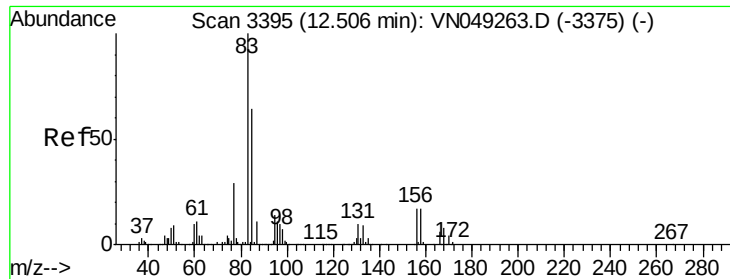
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

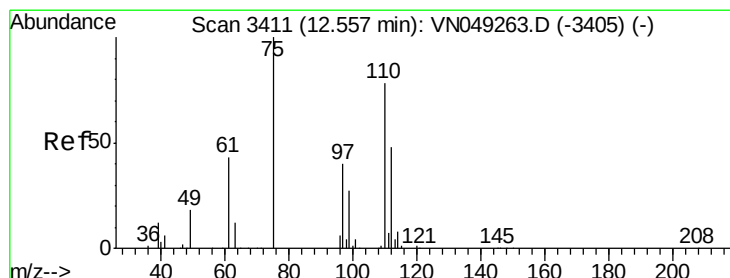
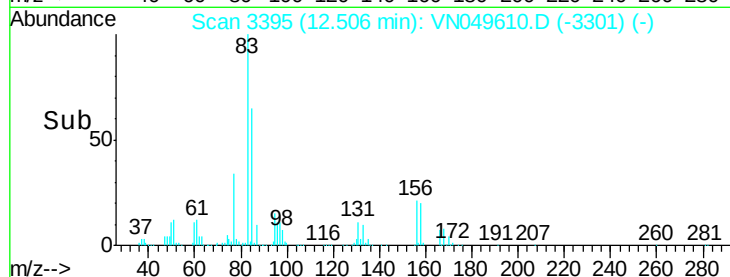
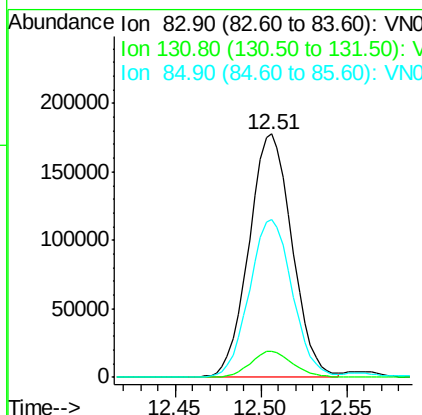
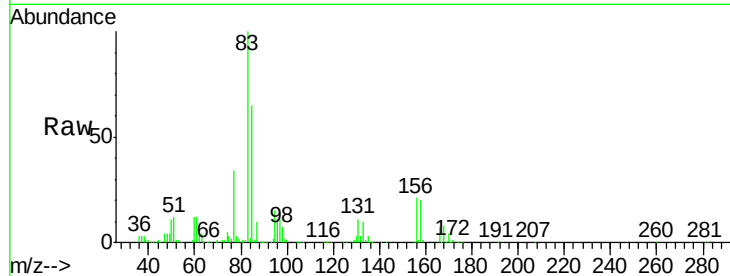
ClientSampleId :

VN0628WBS02

Tot Ion:	83	Resp:	308781
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	64.6	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#76

1,2,3-Trichloropropane

Concen: 16.60 ug/l m

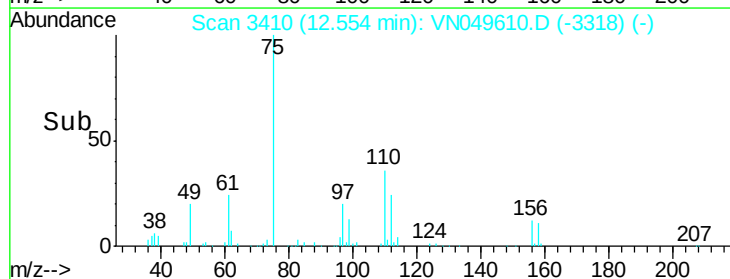
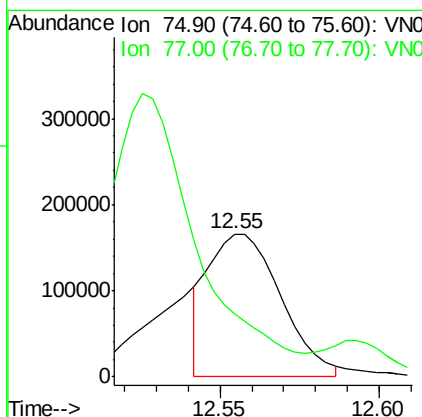
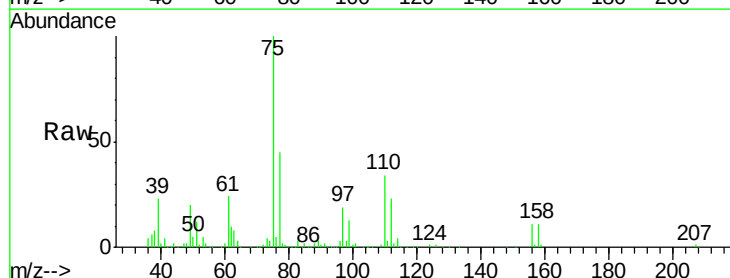
RT: 12.55 min Scan# 3410

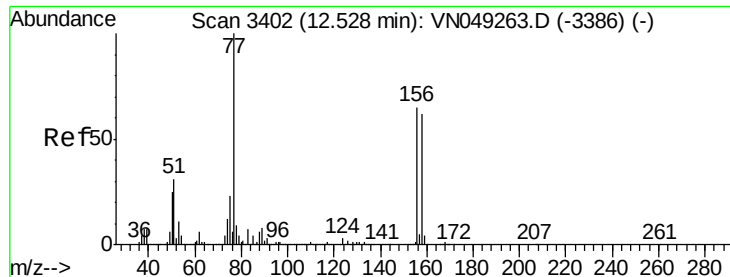
Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	75	Resp:	267339
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.06 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion:156 Resp: 373490

Ion Ratio Lower Upper

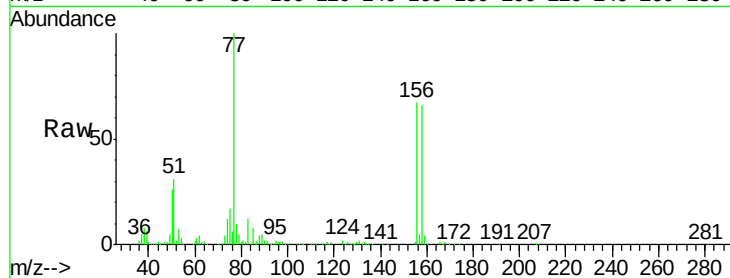
156 100

77 175.2 100.8 302.4

158 98.2 49.3 147.9

Manual Integrations
APPROVED

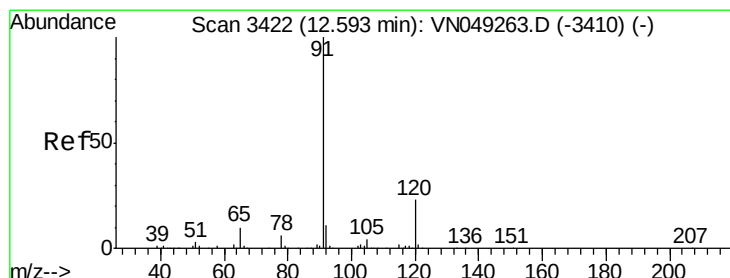
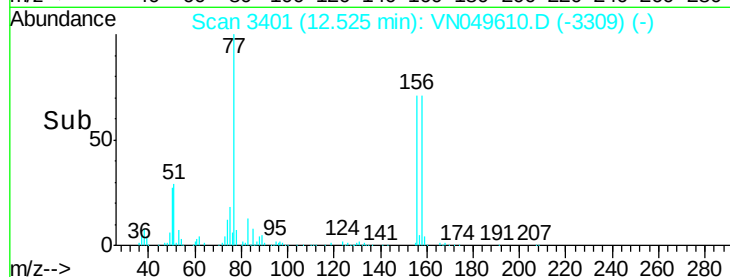
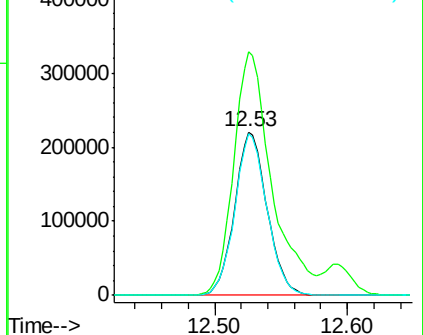
MMDadoda
6/29/2018 1:46:48 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.26 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049610.D

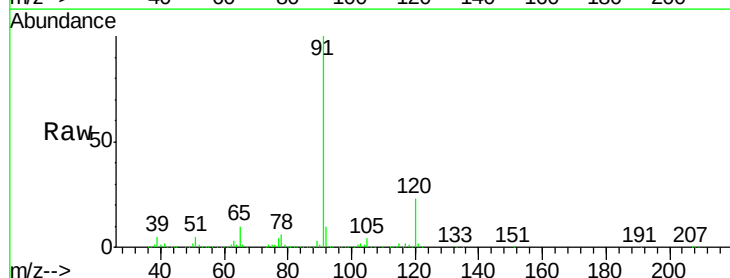
Acq: 29 Jun 2018 00:52

Tgt Ion: 91 Resp: 1661823

Ion Ratio Lower Upper

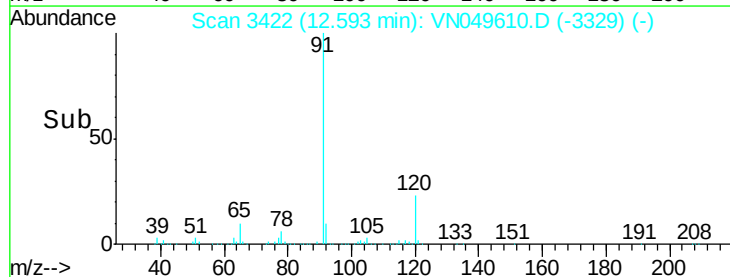
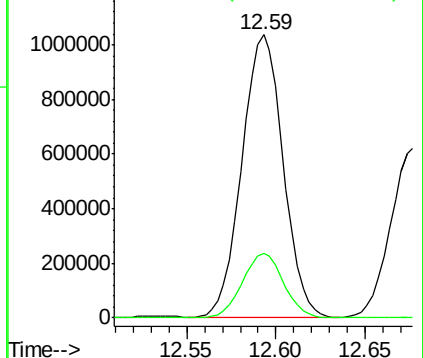
91 100

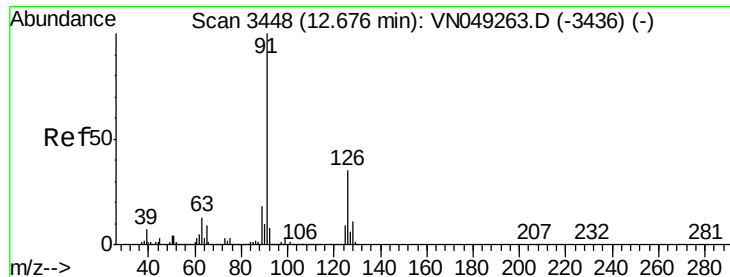
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion: 91 Resp: 1013985

Ion Ratio Lower Upper

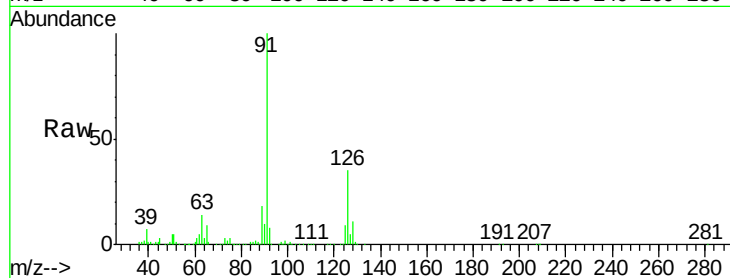
91 100

126 35.1 16.6 49.8

Manual Integrations
APPROVED

MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

1000000

800000

600000

400000

200000

0

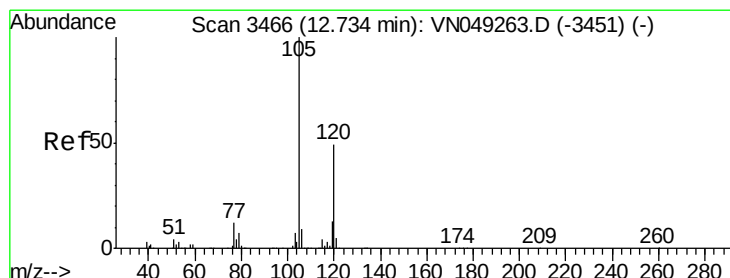
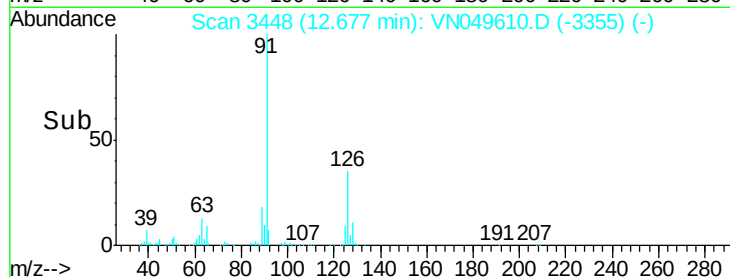
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049610.D

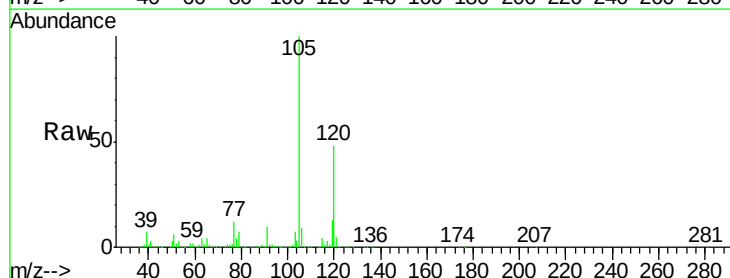
Acq: 29 Jun 2018 00:52

Tgt Ion:105 Resp: 1228266

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

800000

600000

400000

200000

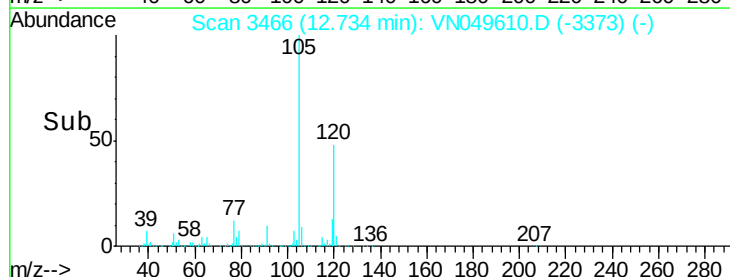
0

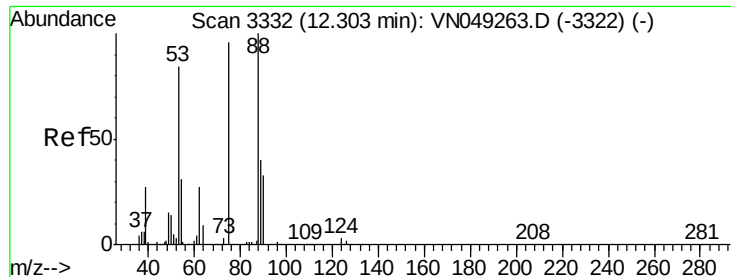
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

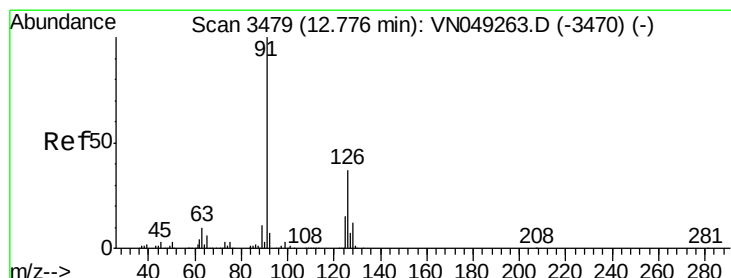
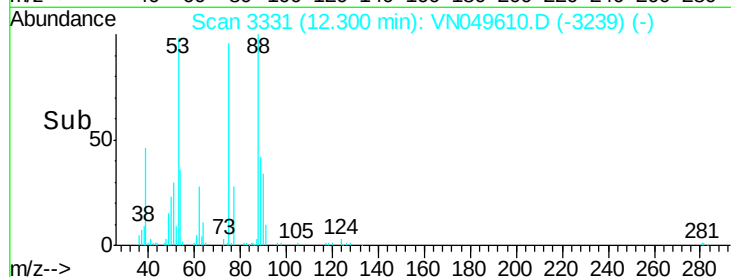
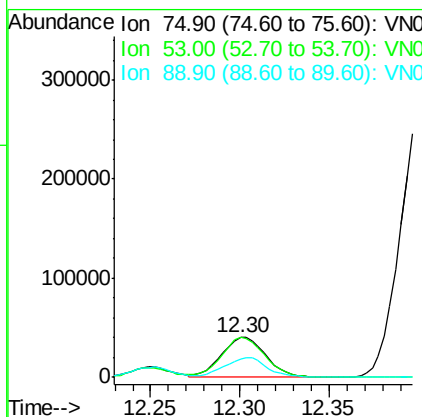
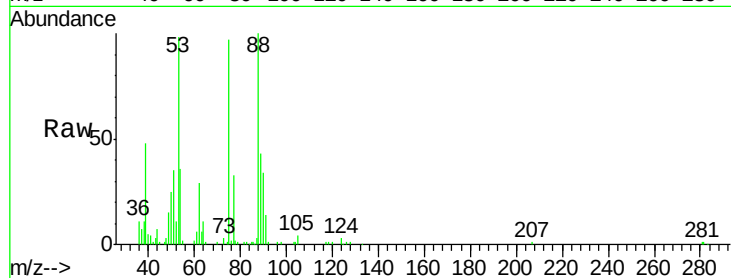
ClientSampleId :

VN0628WBS02

Tot Ion:	75	Resp:	69171
Ion Ratio	Lower	Upper	
75	100		
53	99.2	82.7	124.1
89	47.3	36.5	54.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#82

4-Chlorotoluene

Concen: 18.25 ug/l

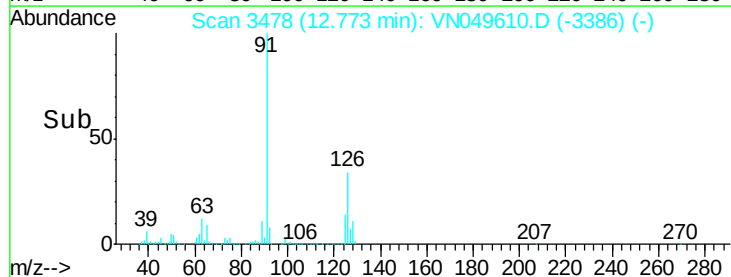
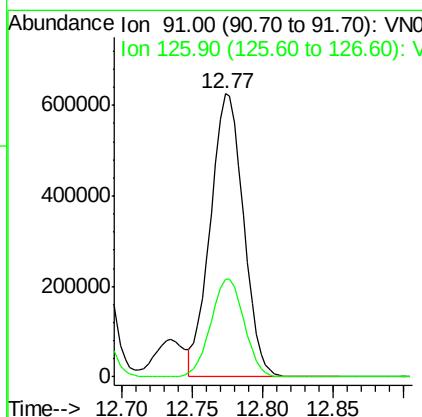
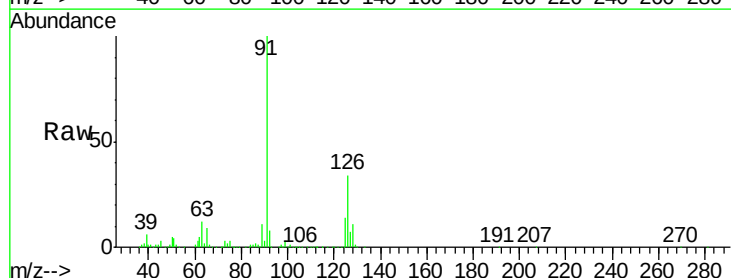
RT: 12.77 min Scan# 3478

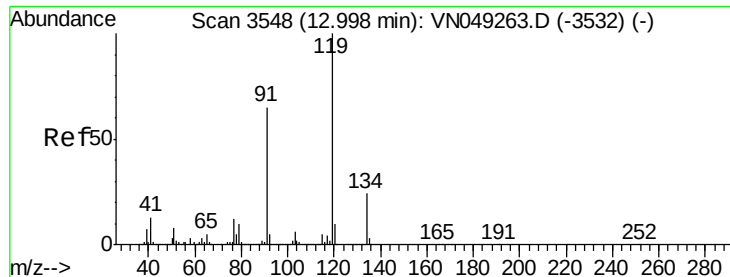
Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	91	Resp:	1015500
Ion Ratio	Lower	Upper	
91	100		
126	34.9	16.4	49.1





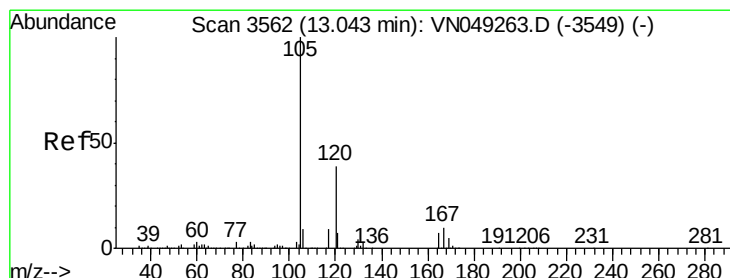
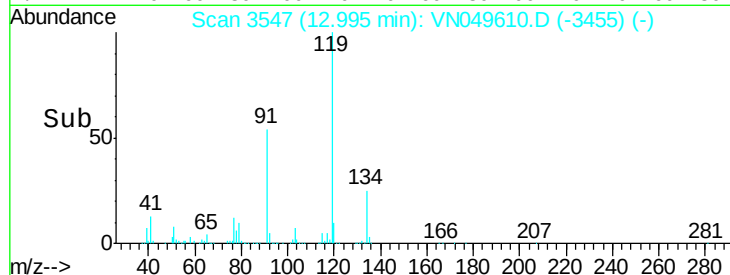
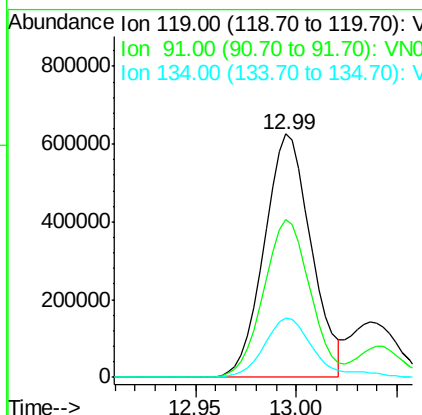
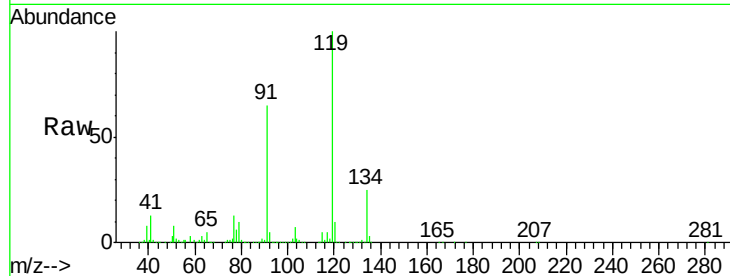
#83
 tert-Butylbenzene
 Concen: 17.53 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion:119 Resp: 1011901
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.7 101.0
 134 25.9 12.9 38.6

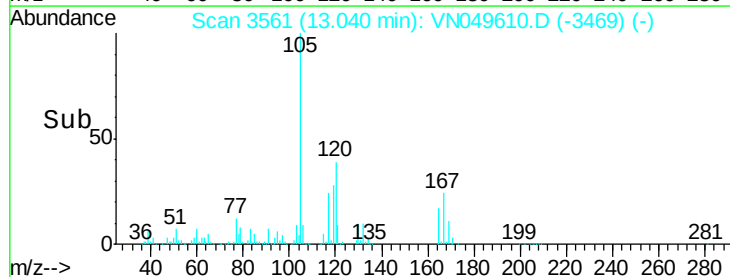
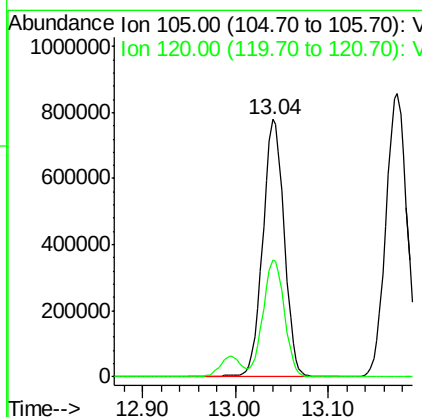
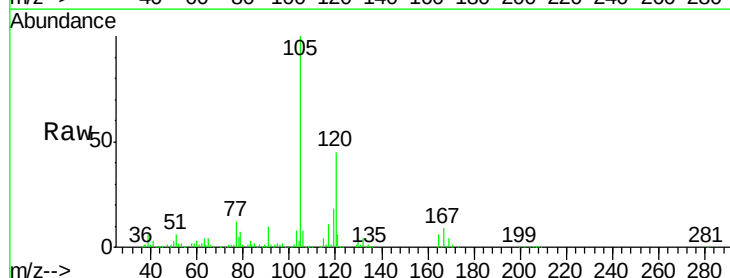
Manual Integrations
 APPROVED

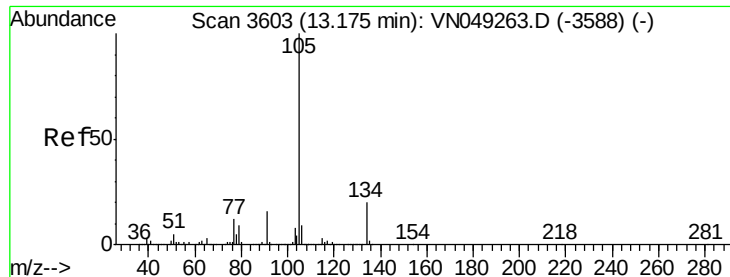
MMDadoda
 6/29/2018 1:46:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.28 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion:105 Resp: 1247607
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 17.70 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBS02

Tot Ion:105 Resp: 1359783

Ion Ratio Lower Upper

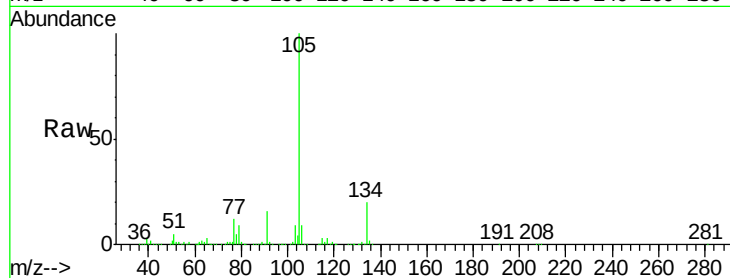
105 100

134 20.3 9.8 29.3

Manual Integrations
APPROVED

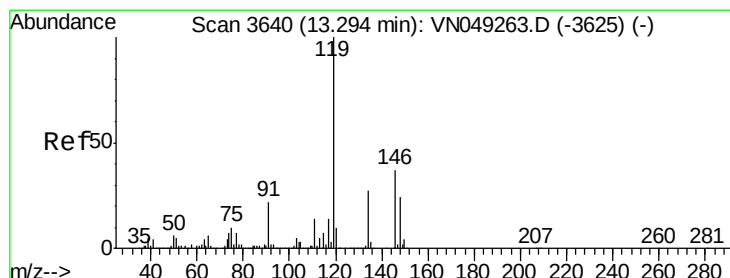
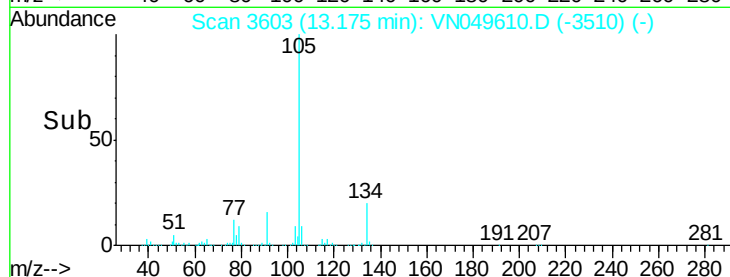
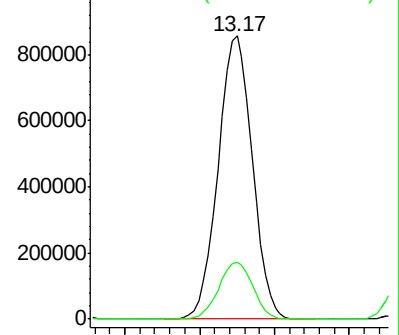
MMDadoda

6/29/2018 1:46:48 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

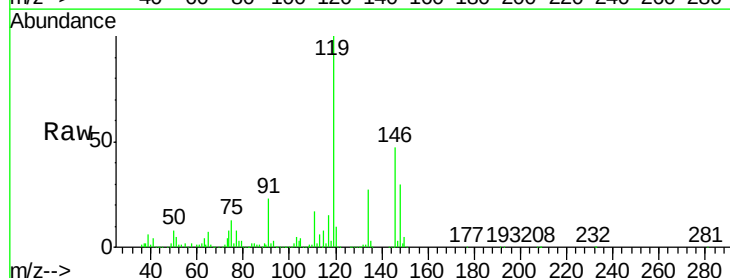
Tgt Ion:119 Resp: 1171664

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

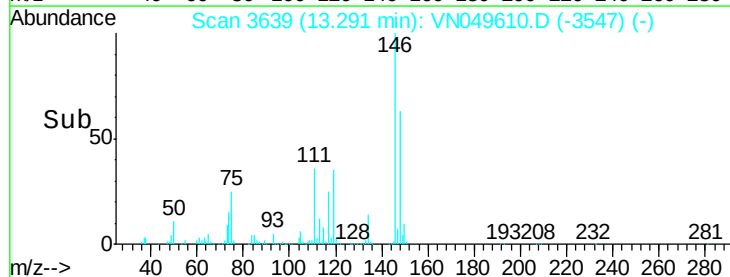
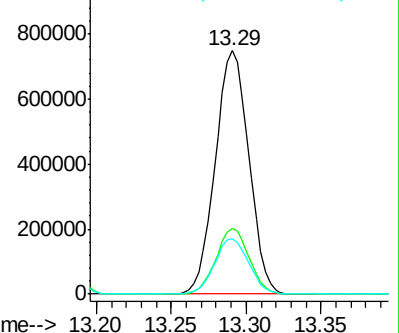
91 22.8 12.1 36.3

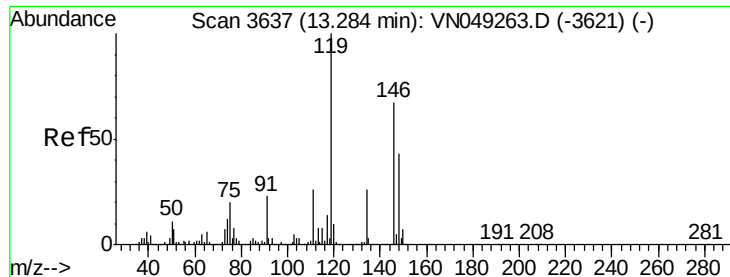


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





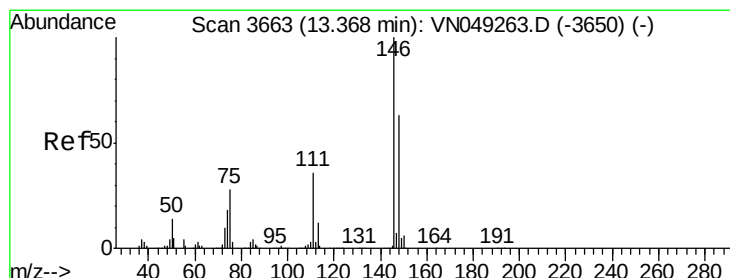
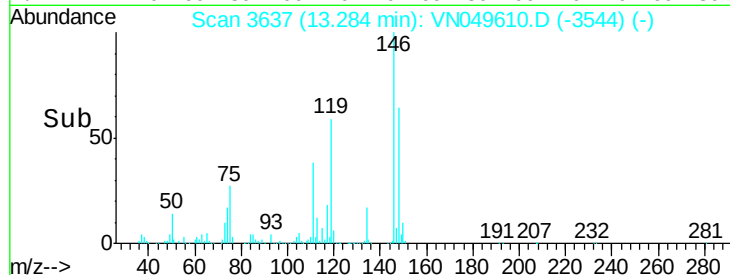
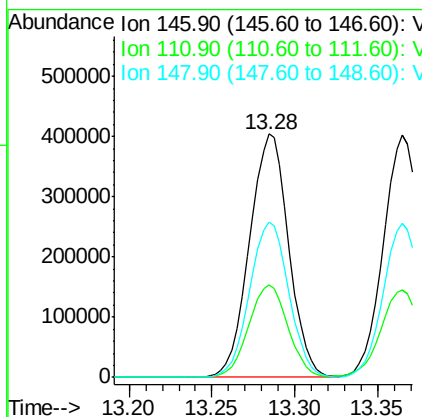
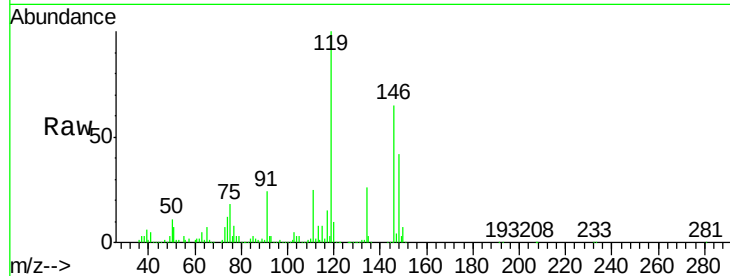
#87
 1,3-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.6
148	63.9	32.1	96.5

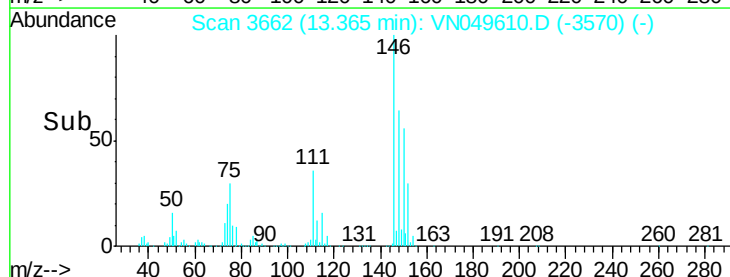
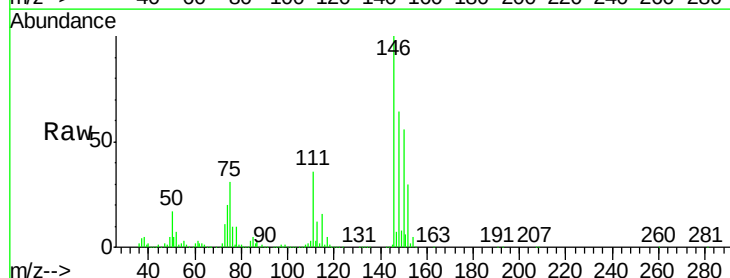
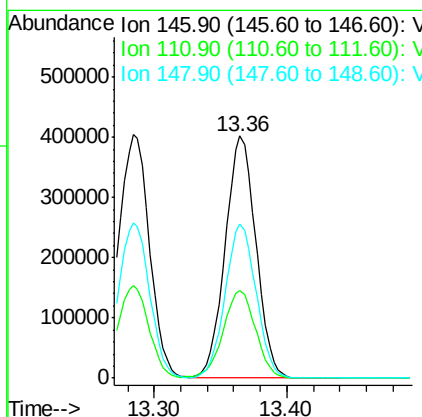
Manual Integrations
 APPROVED

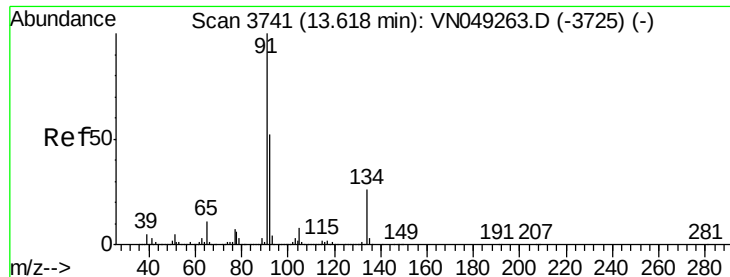
MMDadoda
 6/29/2018 1:46:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.15 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	63.9	32.0	96.2





#89

n-Butylbenzene

Concen: 18.19 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

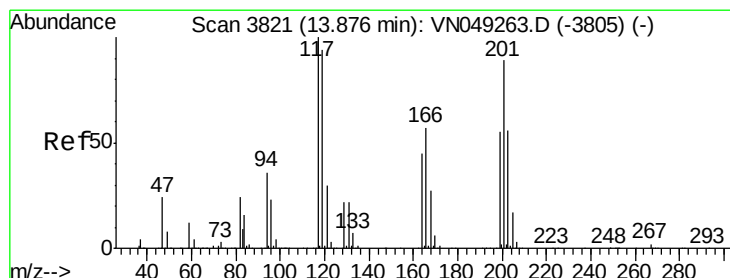
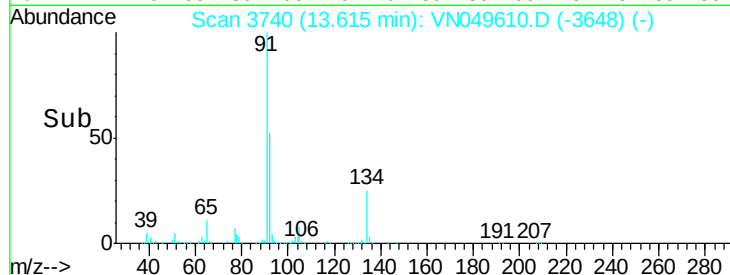
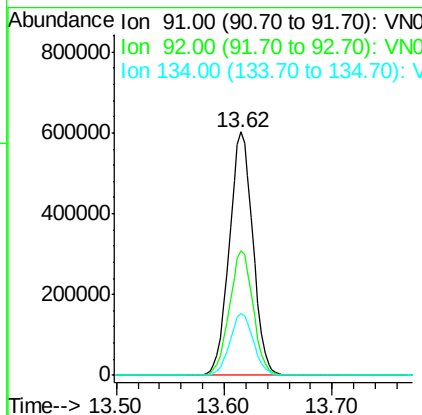
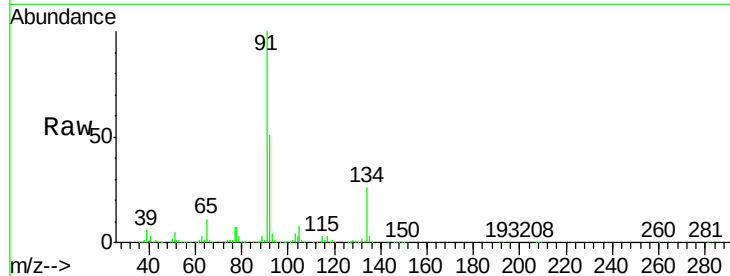
ClientSampleId :

VN0628WBS02

Tot Ion:	91	Resp:	912045
Ion Ratio	Lower	Upper	
91	100		
92	51.6	25.1	75.4
134	25.7	12.0	36.0

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#90

Hexachloroethane

Concen: 7.36 ug/l

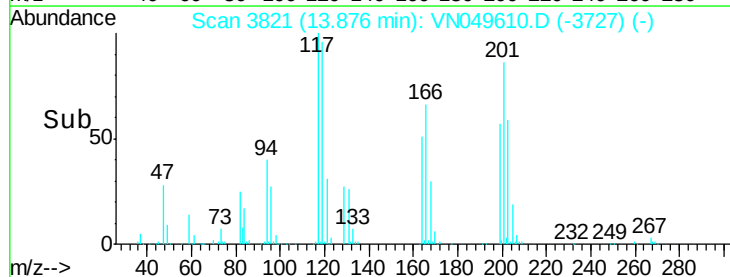
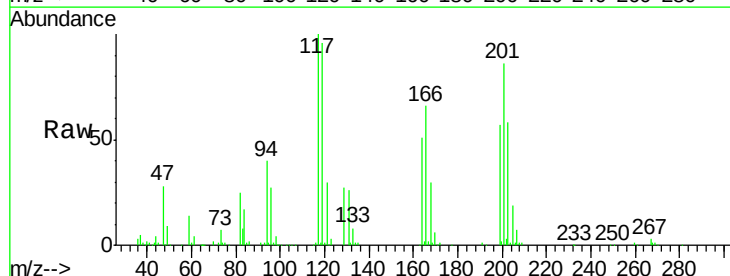
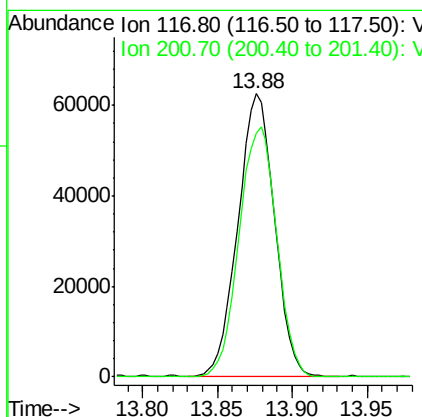
RT: 13.88 min Scan# 3821

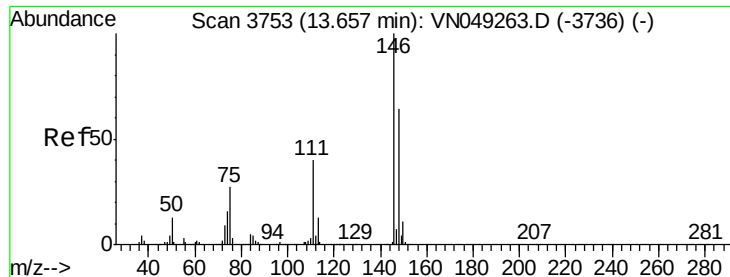
Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	117	Resp:	107032
Ion Ratio	Lower	Upper	
117	100		
201	90.2	40.1	120.2





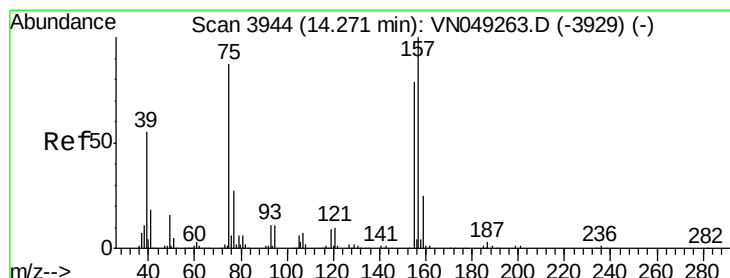
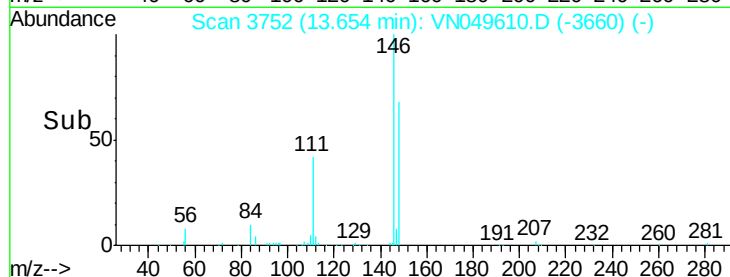
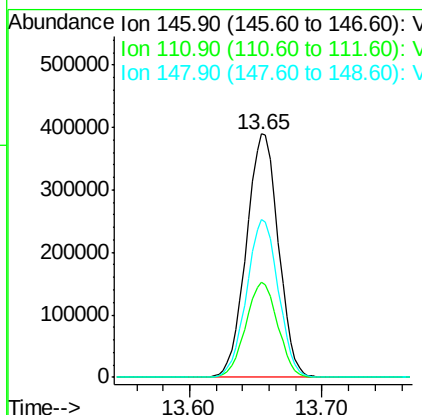
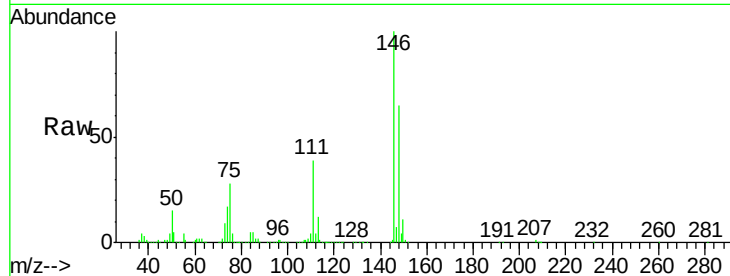
#91
 1,2-Dichlorobenzene
 Concen: 18.54 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	64.1	32.0	96.2

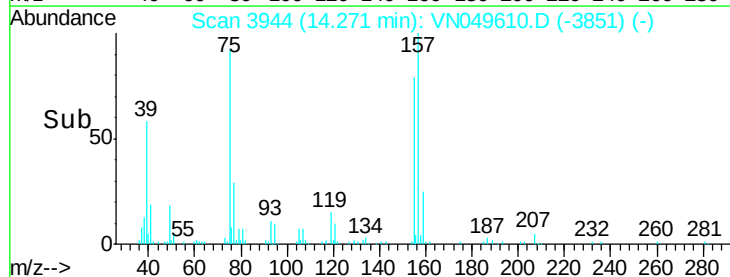
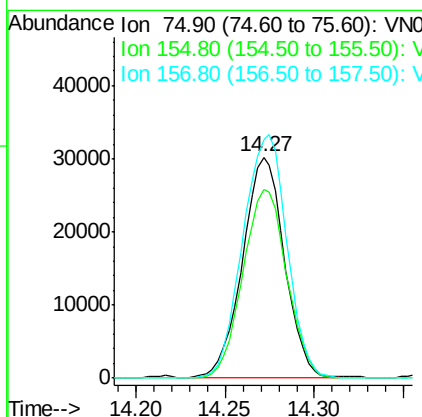
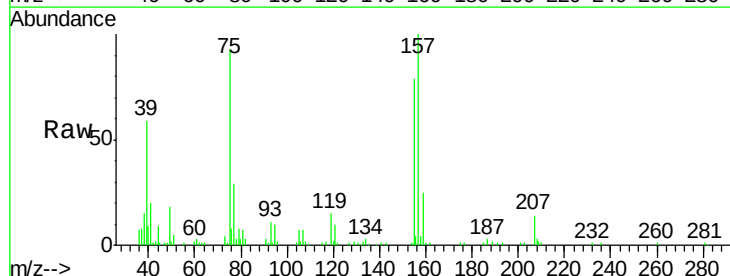
Manual Integrations
 APPROVED

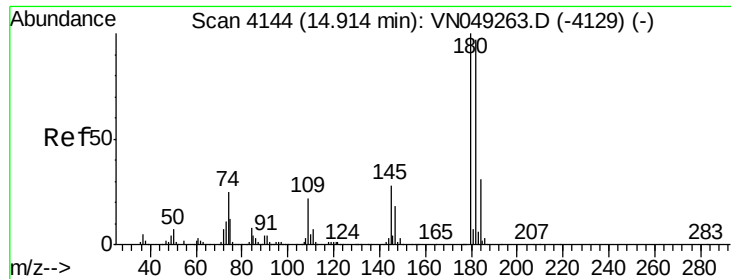
MMDadoda
 6/29/2018 1:46:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.22 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049610.D
 Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	38.8	116.3
157	115.5	51.0	153.1





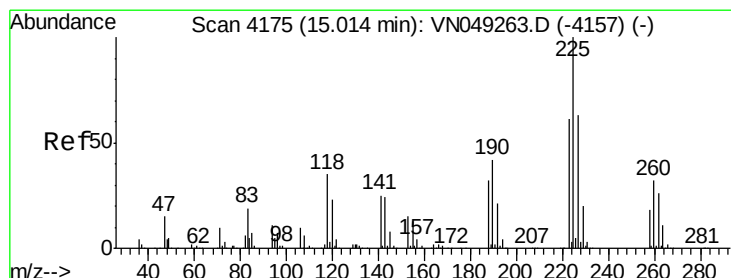
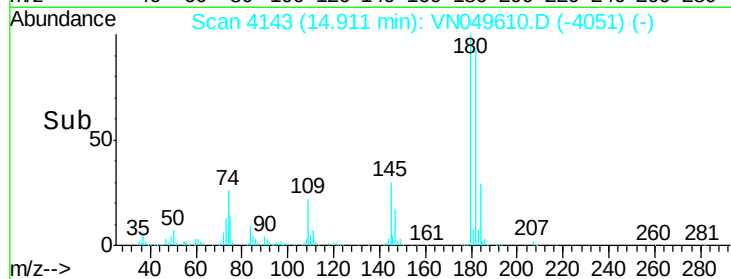
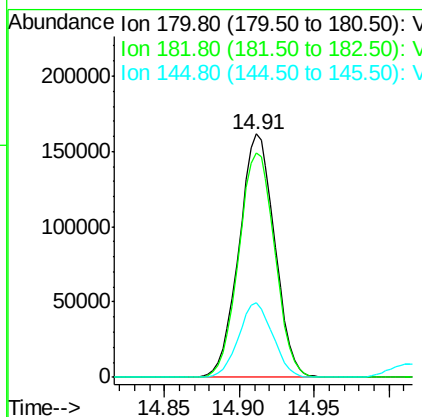
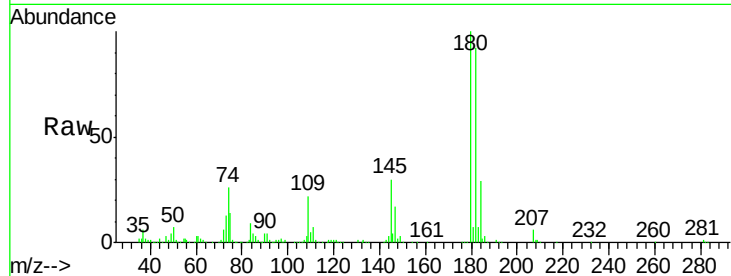
#93
1,2,4-Trichlorobenzene
Concen: 19.70 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	267586		
182	93.4	46.9	140.8	
145	29.4	14.7	44.1	

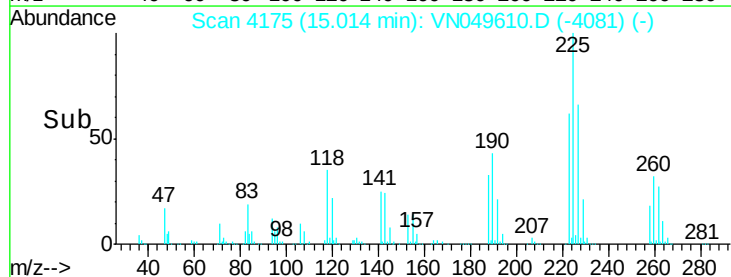
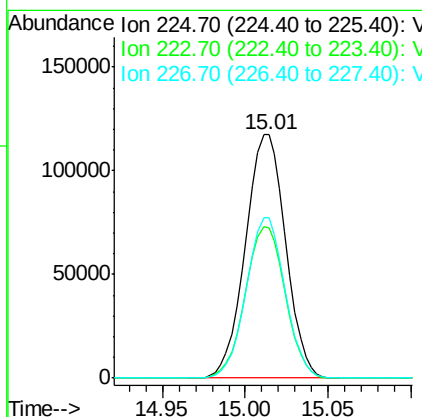
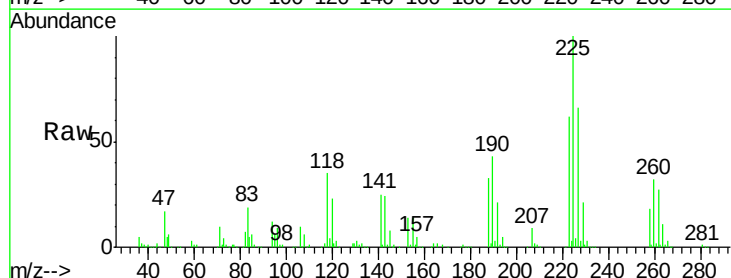
Manual Integrations
APPROVED

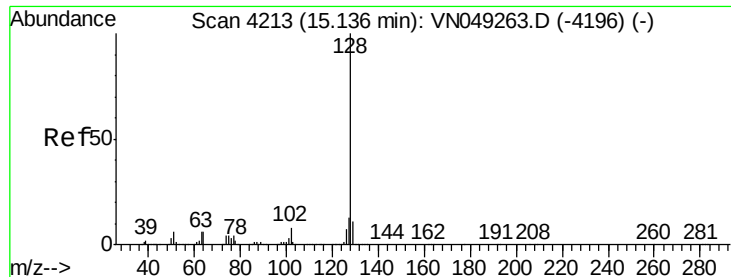
MMDadoda
6/29/2018 1:46:48 PM



#94
Hexachlorobutadiene
Concen: 17.44 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049610.D
Acq: 29 Jun 2018 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198469		
223	61.9	32.1	96.3	
227	63.5	31.8	95.3	





#95

Naphthalene

Concen: 21.10 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Instrument :

MSVOA_N

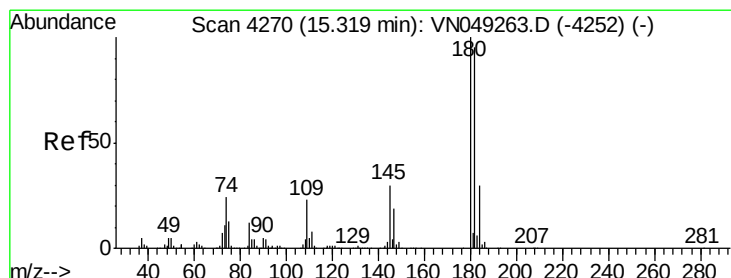
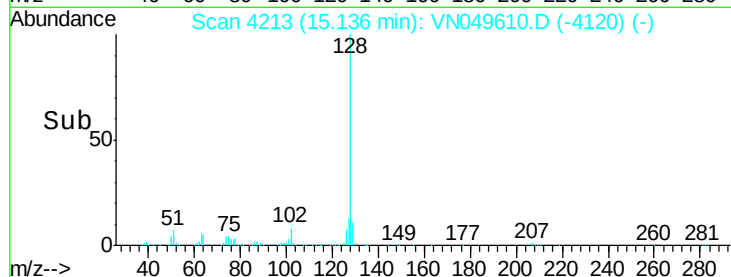
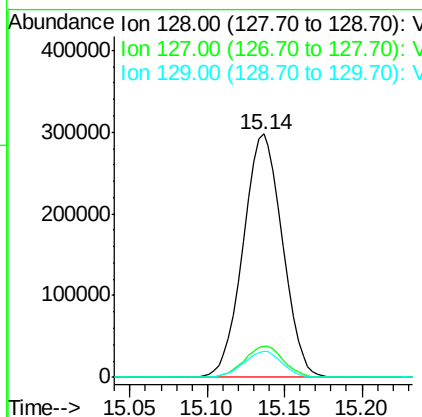
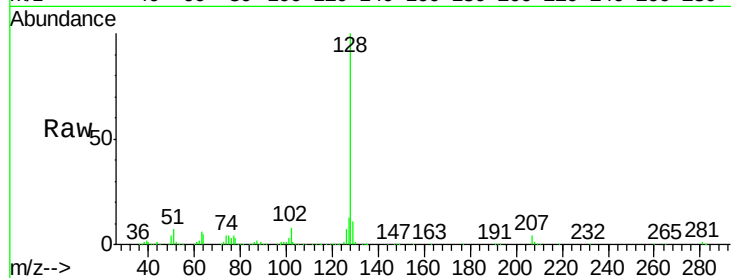
ClientSampleId :

VN0628WBS02

Tot Ion:	128	Resp:	525987
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/29/2018 1:46:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.25 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049610.D

Acq: 29 Jun 2018 00:52

Tgt Ion:	180	Resp:	268462
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	141.8
145	30.5	15.6	46.7

