

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051663.D
 Acq On : 4 Oct 2018 13:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:11 PM

Quant Time: Oct 05 02:16:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	517891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	793781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	38021	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
35) Dibromofluoromethane	7.59	113	32227	5.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.50%	
50) Toluene-d8	10.09	98	114186	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	12.40	95	38557	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	21948	3.571 ug/l	93
3) Chloromethane	2.06	50	28607	4.840 ug/l	99
4) Vinyl Chloride	2.18	62	44831	4.815 ug/l	100
5) Bromomethane	2.56	94	44718	6.246 ug/l	99
6) Chloroethane	2.70	64	33975	5.430 ug/l	98
7) Trichlorofluoromethane	3.01	101	71339	6.721 ug/l	95
8) Diethyl Ether	3.42	74	15178	5.594 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	28340	5.477 ug/l	97
10) Methyl Iodide	3.95	142	21127	3.349 ug/l	98
11) Tert butyl alcohol	4.80	59	14023m	32.547 ug/l	
12) 1,1-Dichloroethene	3.73	96	27001	5.598 ug/l	96
13) Acrolein	3.61	56	12164	41.875 ug/l	96
14) Allyl chloride	4.32	41	38367	5.216 ug/l	94
15) Acrylonitrile	4.99	53	42450	26.457 ug/l	98
16) Acetone	3.82	43	39863	31.836 ug/l	96
17) Carbon Disulfide	4.05	76	82852	5.652 ug/l	99
18) Methyl Acetate	4.33	43	19520	5.169 ug/l	97
19) Methyl tert-butyl Ether	5.05	73	85915	5.397 ug/l	99
20) Methylene Chloride	4.55	84	30421	5.404 ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	31125	5.446 ug/l	88
22) Diisopropyl ether	5.95	45	82292	5.219 ug/l	97
23) Vinyl Acetate	5.90	43	310864	26.812 ug/l	99
24) 1,1-Dichloroethane	5.85	63	55548	5.477 ug/l	99
25) 2-Butanone	6.84	43	59318	30.025 ug/l	99
26) 2,2-Dichloropropane	6.83	77	53790	5.293 ug/l	96
27) cis-1,2-Dichloroethene	6.84	96	36268	5.466 ug/l	95
28) Bromochloromethane	7.19	49	24478	5.452 ug/l #	5
29) Tetrahydrofuran	7.22	42	31836	26.260 ug/l	96
30) Chloroform	7.38	83	57280	5.027 ug/l	96
31) Cyclohexane	7.66	56	53834	5.796 ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	56596	5.125 ug/l	97
36) 1,1-Dichloropropene	7.79	75	42379	5.108 ug/l	99
37) Ethyl Acetate	6.94	43	22945	5.302 ug/l #	79
38) Carbon Tetrachloride	7.77	117	49934	5.016 ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051663.D
 Acq On : 4 Oct 2018 13:19
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:11 PM

Quant Time: Oct 05 02:16:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 01:55:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	52051	4.998	ug/l	100
40) Benzene	8.04	78	122329	4.974	ug/l	99
41) Methacrylonitrile	7.18	41	15174	6.386	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	43280	5.221	ug/l	99
43) Isopropyl Acetate	8.17	43	47846	5.303	ug/l	98
44) Trichloroethene	8.83	130	35516	5.085	ug/l	98
45) 1,2-Dichloropropane	9.12	63	32701	5.377	ug/l	99
46) Dibromomethane	9.21	93	21291	5.037	ug/l	93
47) Bromodichloromethane	9.40	83	47428	5.097	ug/l	97
48) Methyl methacrylate	9.20	41	22117	5.365	ug/l	95
49) 1,4-Dioxane	9.20	88	6572	106.314	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	121899	26.664	ug/l	98
52) Toluene	10.16	92	77532	4.739	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	46526	4.846	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	51186	5.020	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	29269	5.022	ug/l	97
56) Ethyl methacrylate	10.43	69	34417	4.670	ug/l	88
57) 1,3-Dichloropropane	10.71	76	44583	4.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	69179	22.681	ug/l	99
59) 2-Hexanone	10.75	43	85391	27.503	ug/l	96
60) Dibromochloromethane	10.90	129	35334	4.633	ug/l	100
61) 1,2-Dibromoethane	11.01	107	29059	4.717	ug/l	95
64) Tetrachloroethene	10.63	164	31751	5.231	ug/l	97
65) Chlorobenzene	11.44	112	87425	5.131	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	34609	5.072	ug/l	99
67) Ethyl Benzene	11.51	91	147495	5.008	ug/l	99
68) m/p-Xylenes	11.62	106	113890	9.664	ug/l	98
69) o-Xylene	11.95	106	55922	4.839	ug/l	94
70) Styrene	11.96	104	84880	4.609	ug/l	97
71) Bromoform	12.13	173	23607	4.652	ug/l #	99
73) Isopropylbenzene	12.25	105	148182	5.965	ug/l	99
74) N-amyl acetate	12.07	43	36945	6.522	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	35415	6.614	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	27854m	6.815	ug/l	
77) Bromobenzene	12.53	156	35947	5.918	ug/l	98
78) n-propylbenzene	12.59	91	157879	5.827	ug/l	98
79) 2-Chlorotoluene	12.68	91	94536	5.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	122513	5.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8962	5.653	ug/l	95
82) 4-Chlorotoluene	12.78	91	89438	5.576	ug/l	100
83) tert-Butylbenzene	12.99	119	114320	6.095	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	121040	5.772	ug/l	100
85) sec-Butylbenzene	13.17	105	142041	5.725	ug/l	99
86) p-Isopropyltoluene	13.29	119	123139	5.598	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	55354	5.230	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	55557	5.333	ug/l	97
89) n-Butylbenzene	13.62	91	89610	5.152	ug/l	99
90) Hexachloroethane	13.88	117	25375	5.782	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	58442	5.555	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5067	5.807	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
Data File : VN051663.D
Acq On : 4 Oct 2018 13:19
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

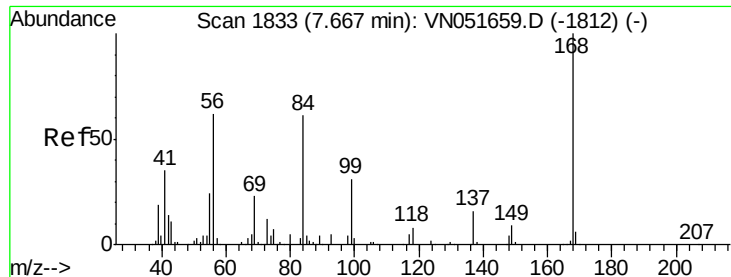
Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM

Quant Time: Oct 05 02:16:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 01:55:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	20696	4.421	ug/l	95
94) Hexachlorobutadiene	15.01	225	18934	5.961	ug/l	97
95) Naphthalene	15.14	128	49199	4.866	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	22586	4.898	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 517891

Ion Ratio Lower Upper

168 100

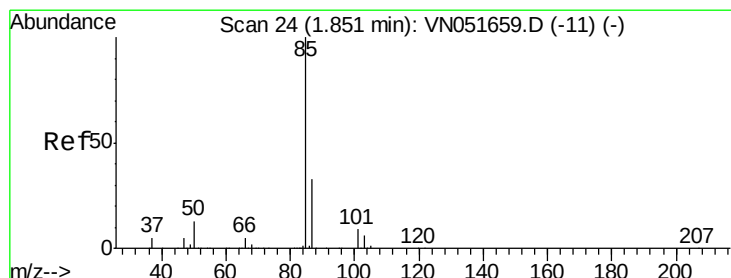
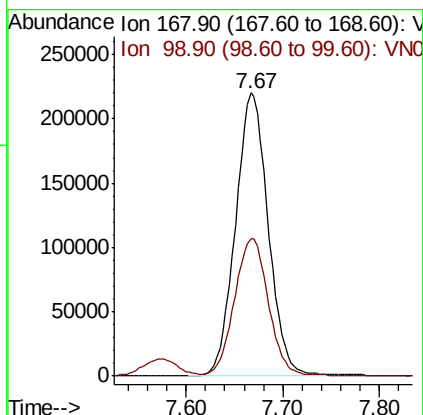
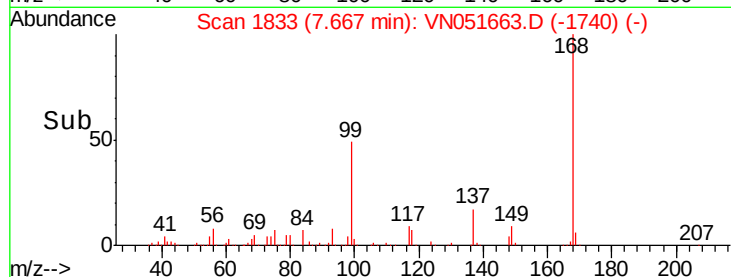
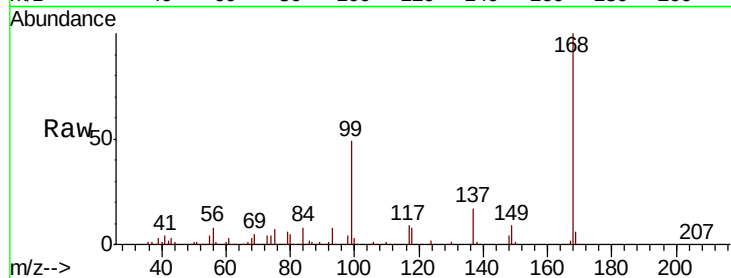
99 48.3 40.4 60.6

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:53:11 PM



#2

Dichlorodifluoromethane

Concen: 3.571 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051663.D

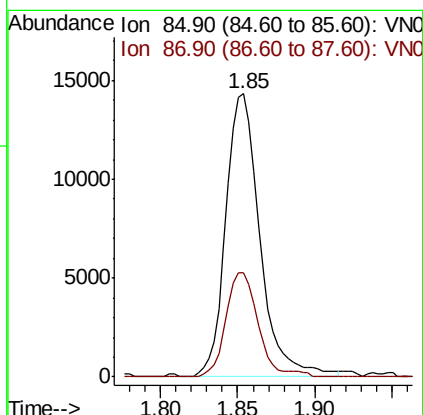
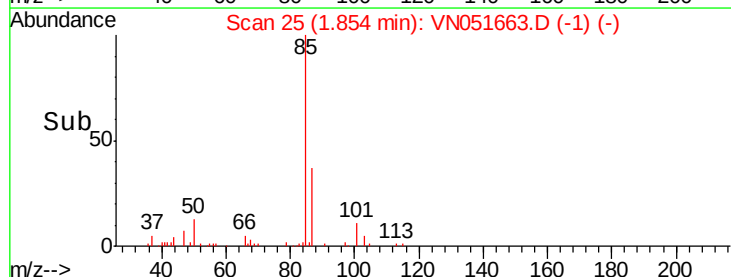
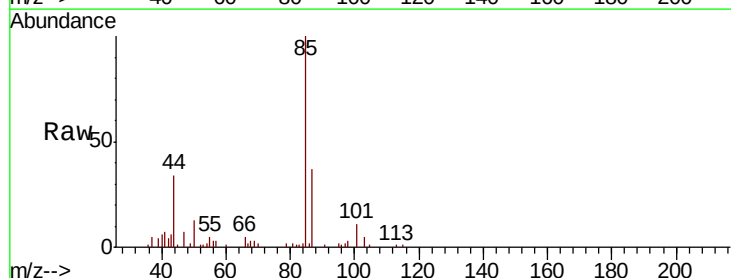
Acq: 4 Oct 2018 13:19

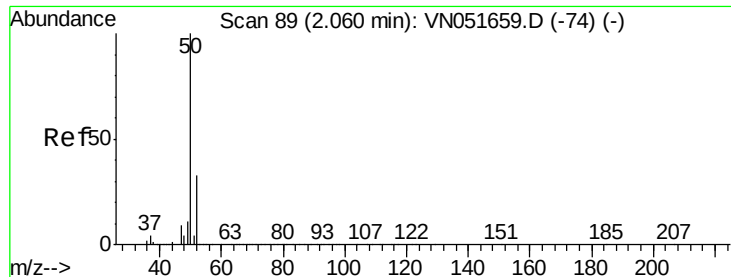
Tgt Ion: 85 Resp: 21948

Ion Ratio Lower Upper

85 100

87 36.6 16.4 49.4





#3

Chloromethane

Concen: 4.840 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 28607

Ion Ratio Lower Upper

50 100

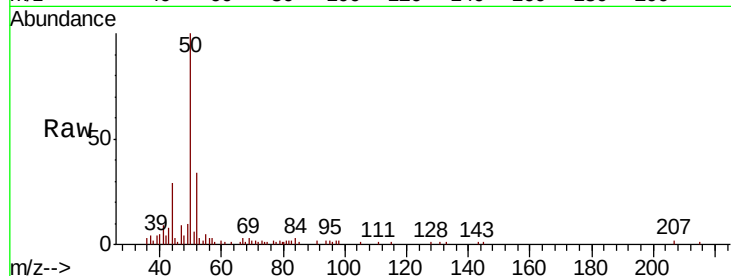
52 33.8 26.6 39.8

Manual Integrations

APPROVED

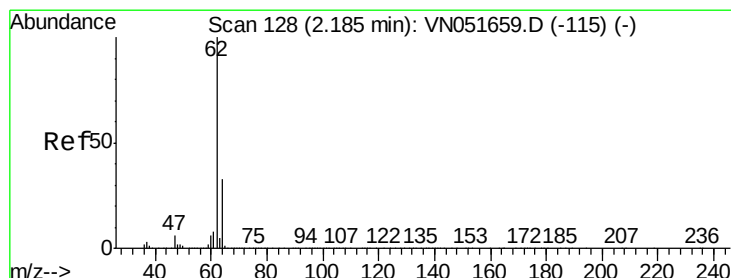
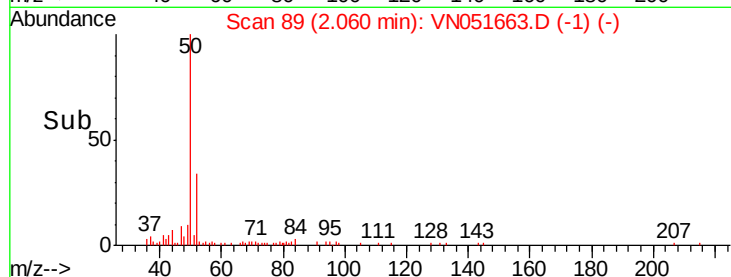
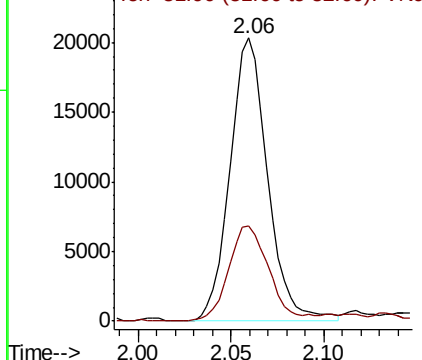
MMDadoda

10/8/2018 1:53:11 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 4.815 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051663.D

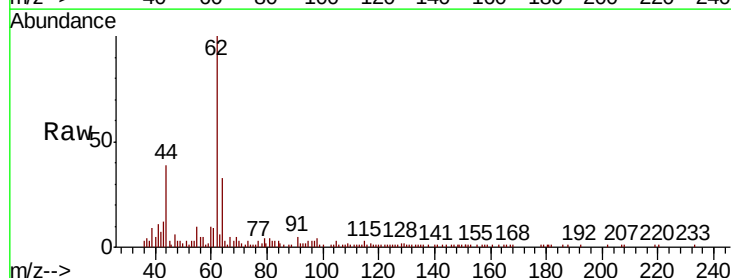
Acq: 4 Oct 2018 13:19

Tgt Ion: 62 Resp: 44831

Ion Ratio Lower Upper

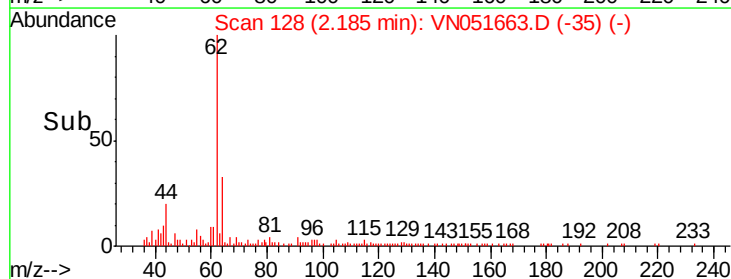
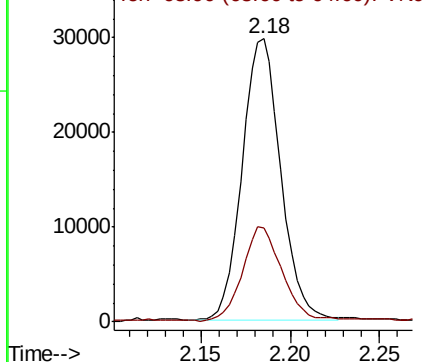
62 100

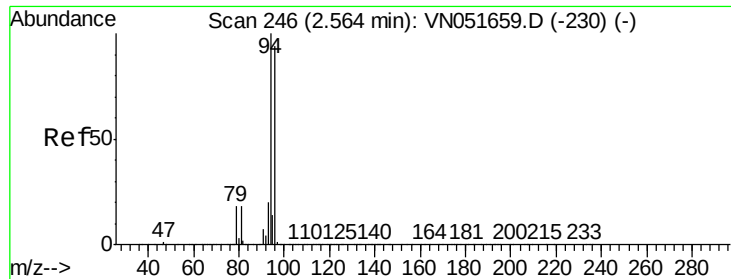
64 33.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 6.246 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 44718

Ion Ratio Lower Upper

94 100

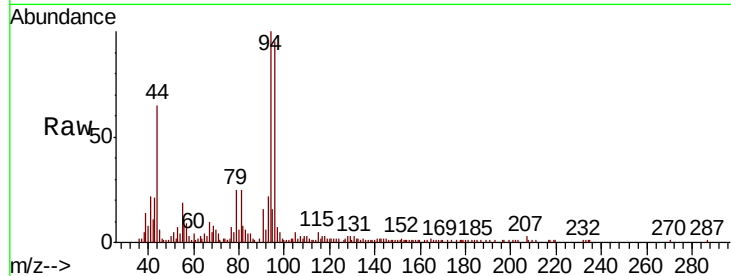
96 93.0 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:53:11 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

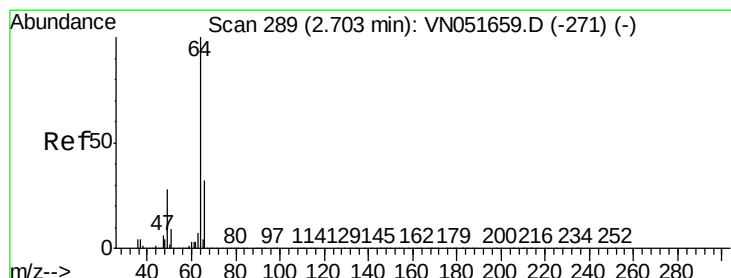
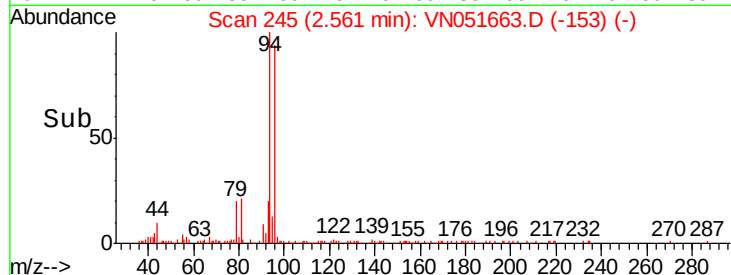
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.430 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051663.D

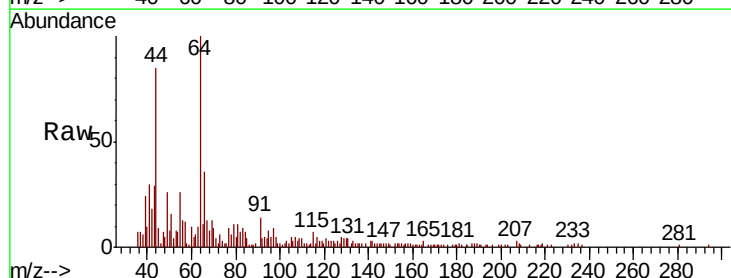
Acq: 4 Oct 2018 13:19

Tgt Ion: 64 Resp: 33975

Ion Ratio Lower Upper

64 100

66 33.4 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

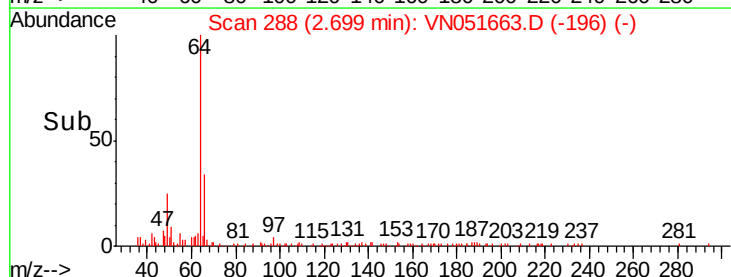
15000

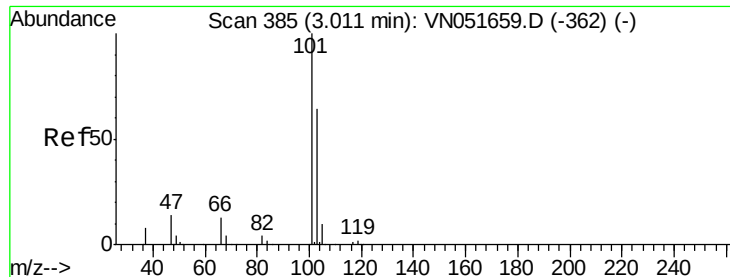
10000

5000

0

Time-->





#7

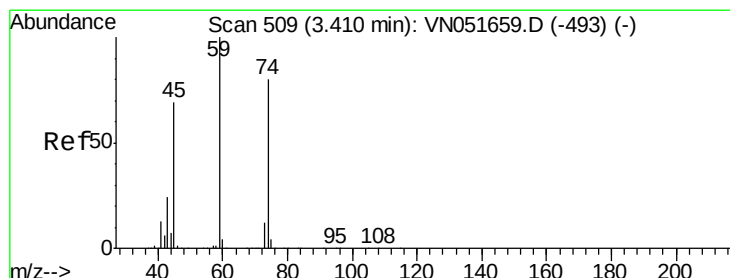
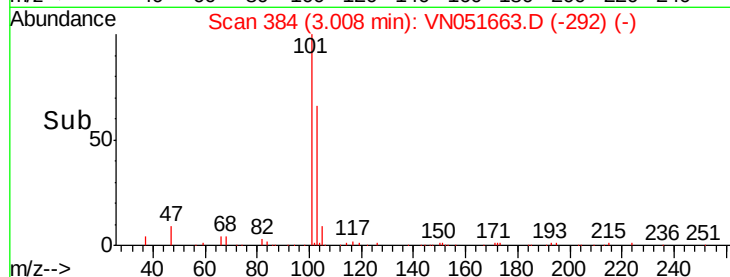
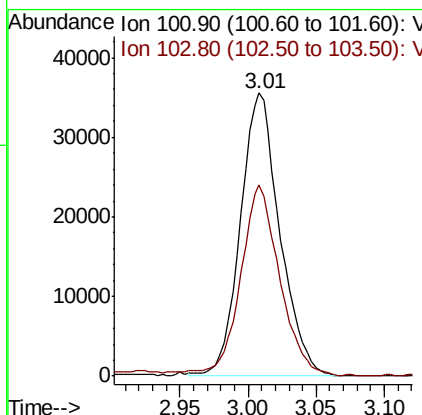
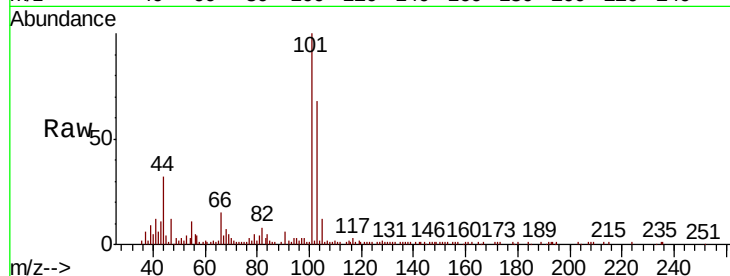
Trichlorofluoromethane
 Concen: 6.721 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	51.1	76.7

Manual Integrations
 APPROVED

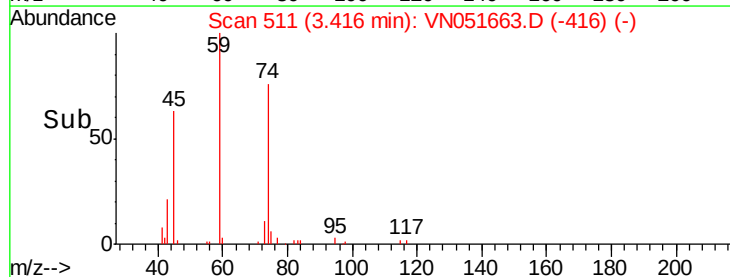
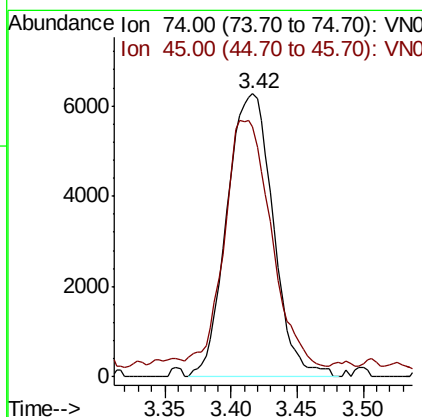
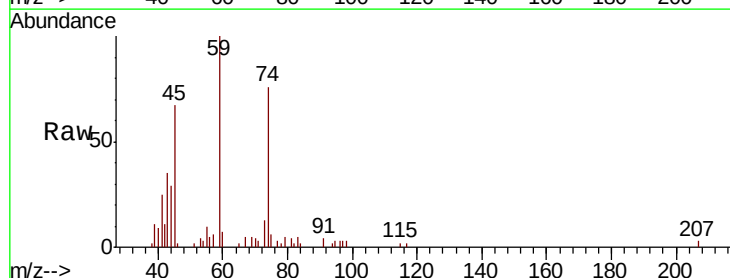
MMDadoda
 10/8/2018 1:53:11 PM

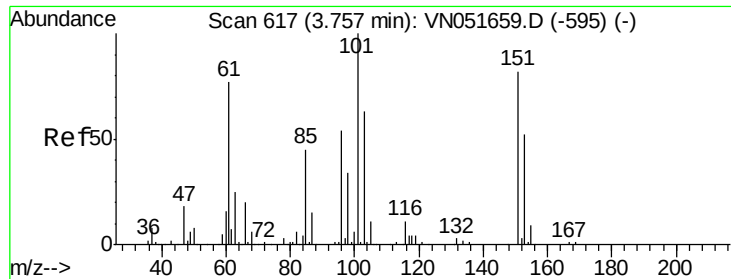


#8

Diethyl Ether
 Concen: 5.594 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.2	44.3	132.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.477 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

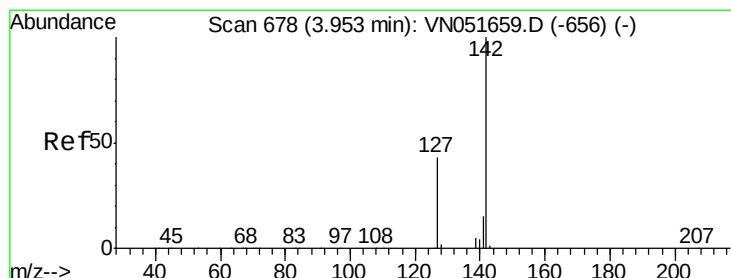
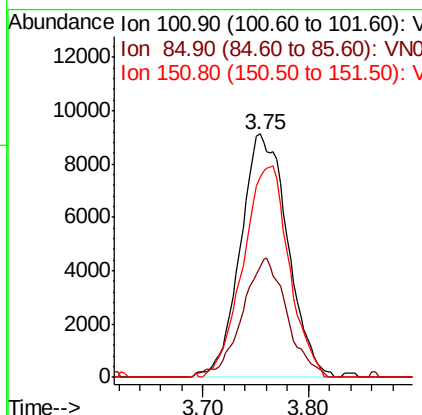
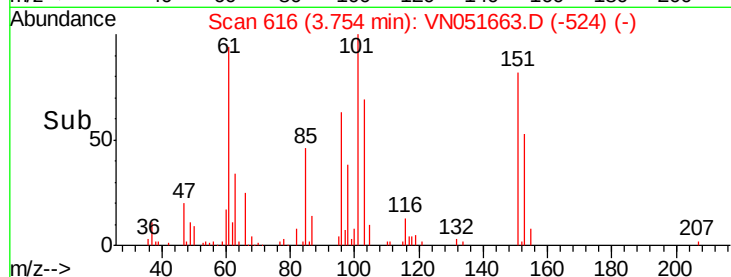
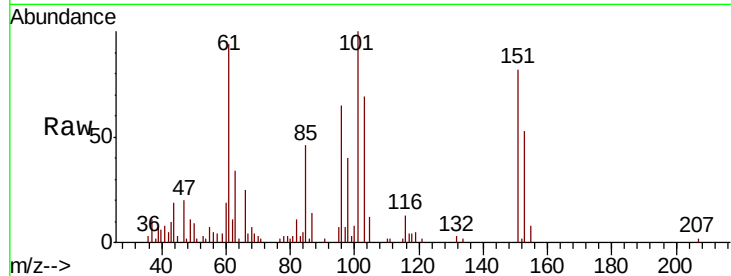
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	28340
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.6	53.4
151	84.5	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#10

Methyl Iodide

Concen: 3.349 ug/l

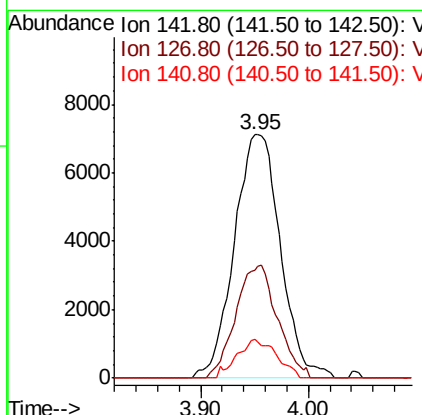
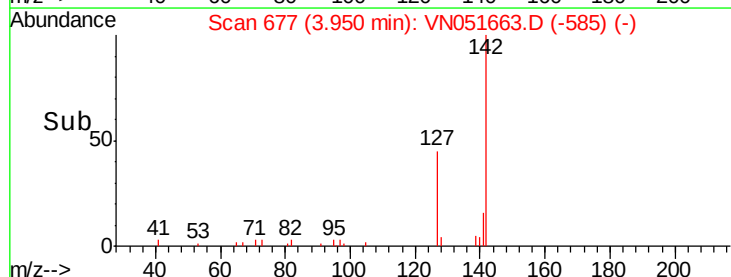
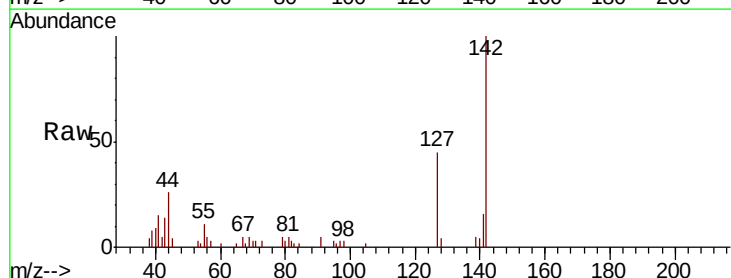
RT: 3.95 min Scan# 677

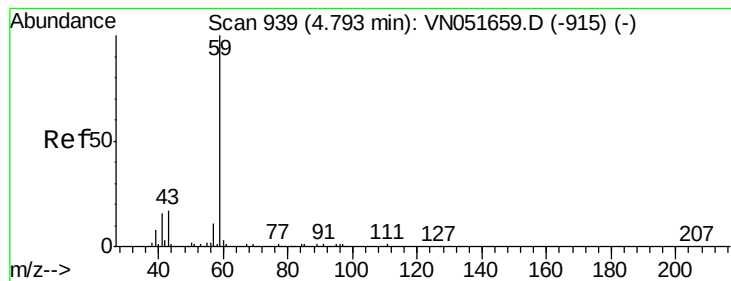
Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion:	142	Resp:	21127
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.7	52.1
141	13.6	11.4	17.2





#11

Tert butyl alcohol

Concen: 32.547 ug/l m

RT: 4.80 min Scan# 940

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 14023

Ion Ratio Lower Upper

59 100

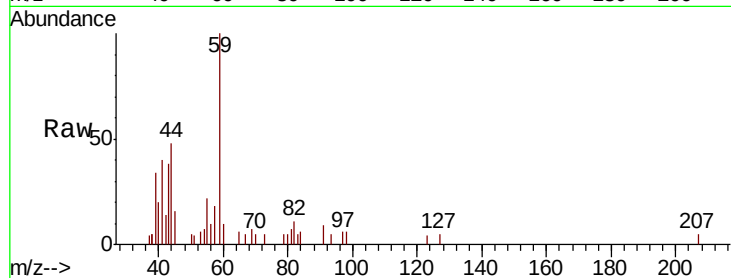
57 3.4 8.1 12.1#

Manual Integrations

APPROVED

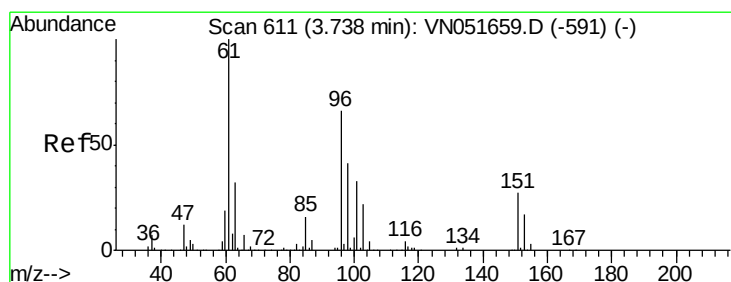
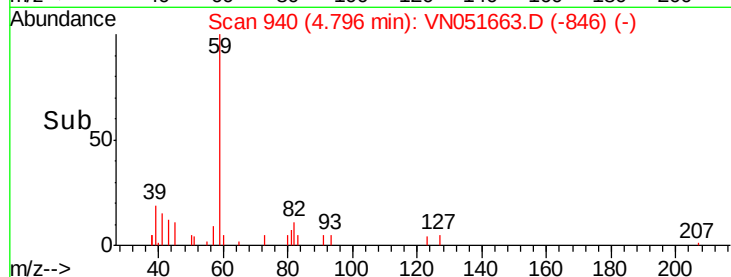
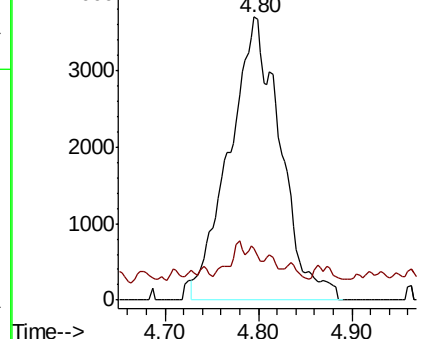
MMDadoda

10/8/2018 1:53:11 PM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 5.598 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

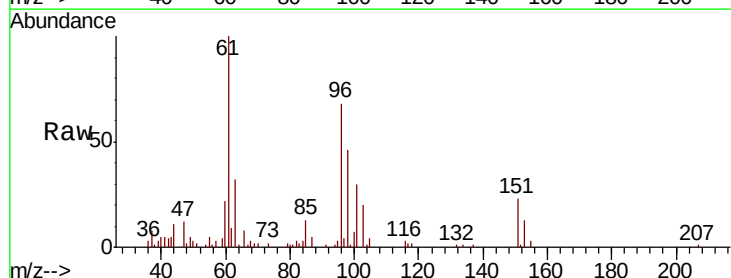
Tgt Ion: 96 Resp: 27001

Ion Ratio Lower Upper

96 100

61 147.3 121.4 182.0

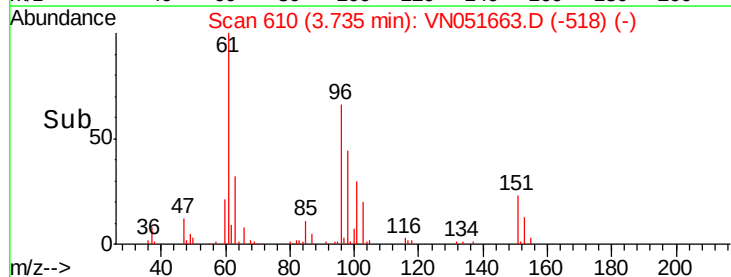
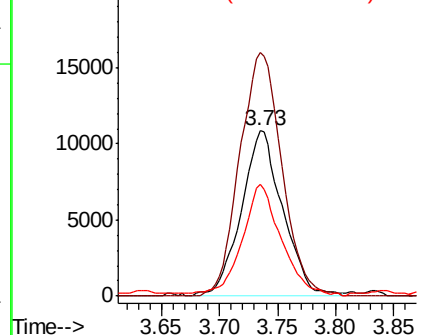
98 67.5 49.9 74.9

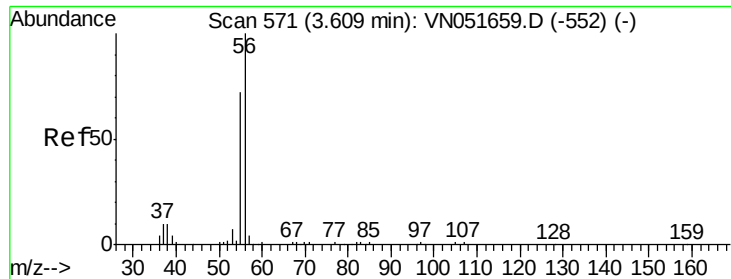


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 41.875 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 12164

Ion Ratio Lower Upper

56 100

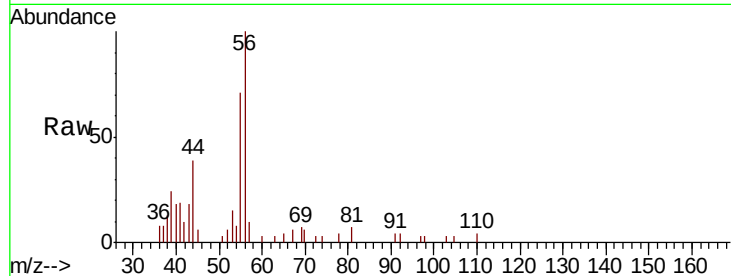
55 68.6 57.5 86.3

Manual Integrations

APPROVED

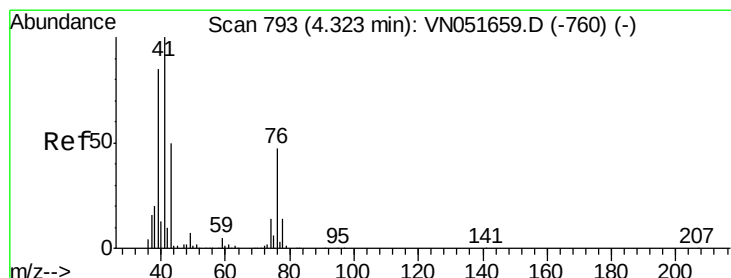
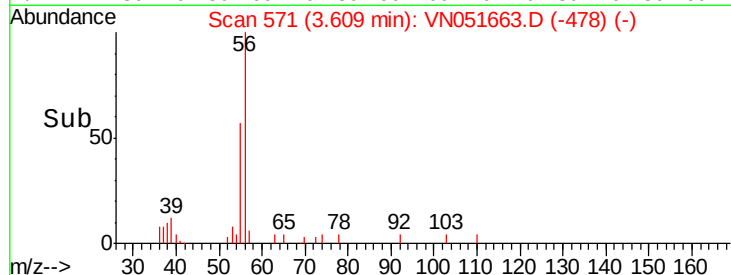
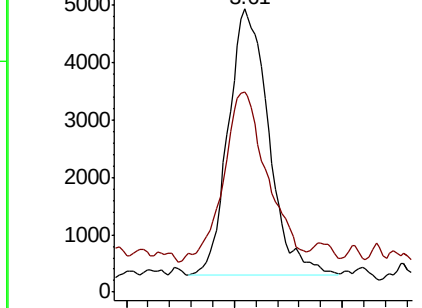
MMDadoda

10/8/2018 1:53:11 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.216 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

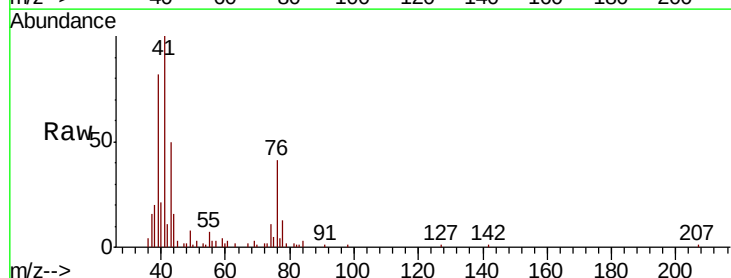
Tgt Ion: 41 Resp: 38367

Ion Ratio Lower Upper

41 100

39 89.6 65.4 98.0

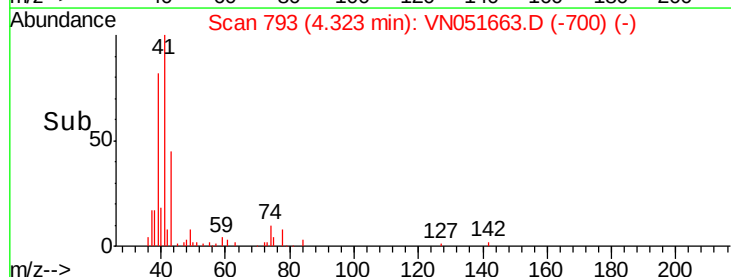
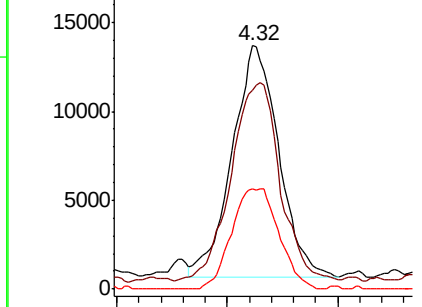
76 43.7 34.3 51.5

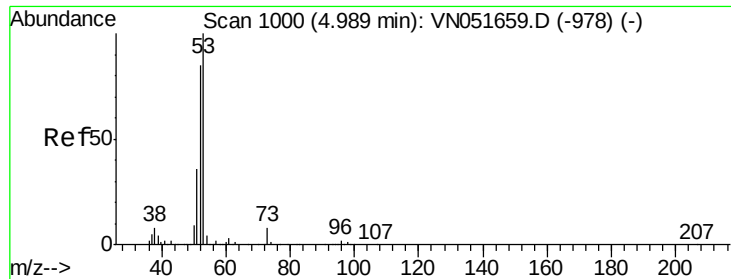


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





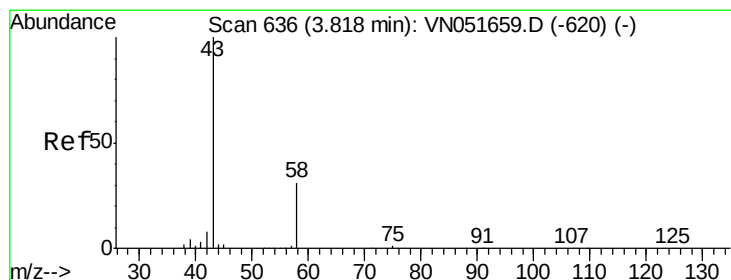
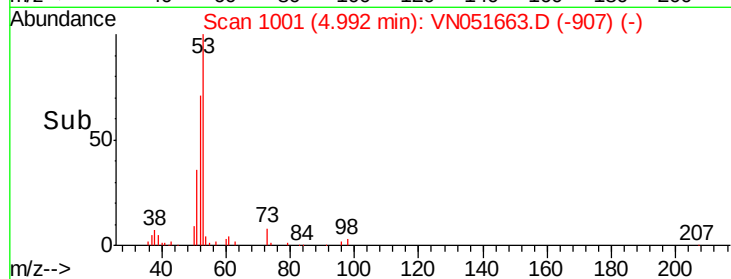
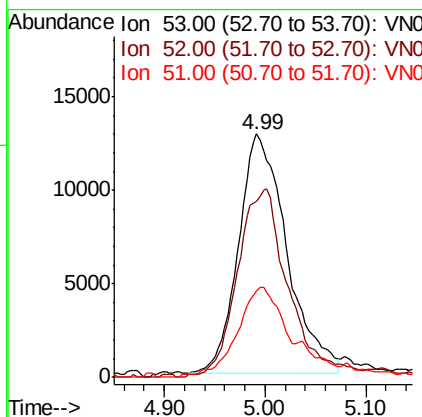
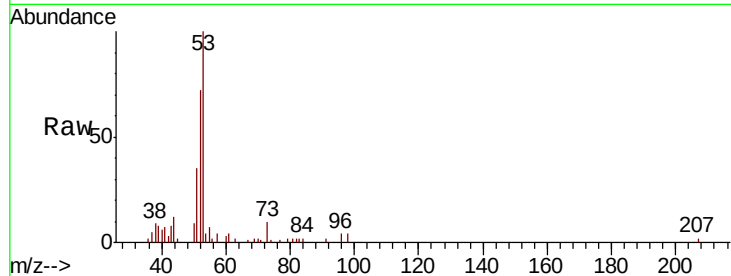
#15
 Acrylonitrile
 Concen: 26.457 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.3	30.3	45.5

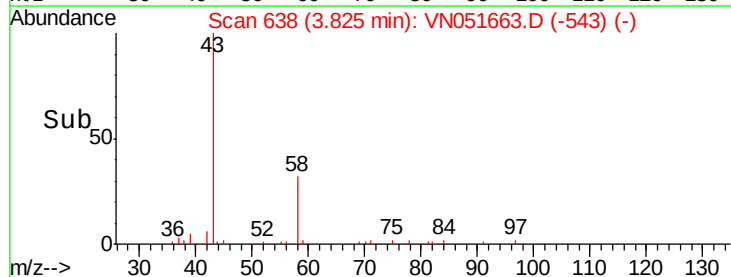
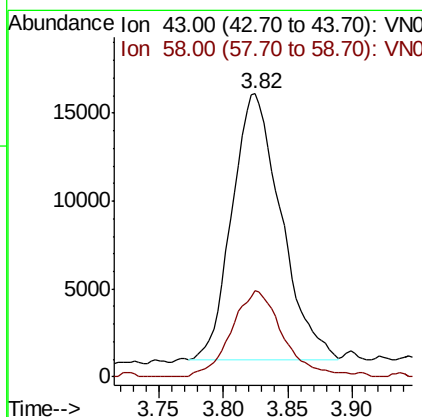
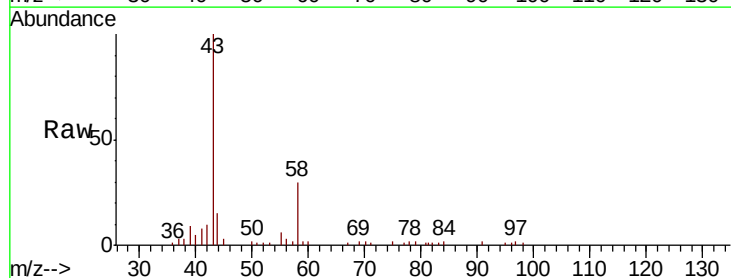
Manual Integrations
 APPROVED

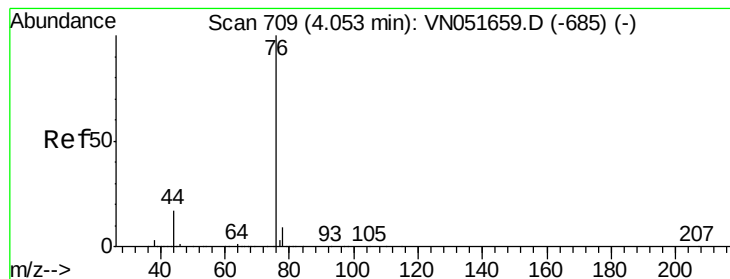
MMDadoda
 10/8/2018 1:53:11 PM



#16
 Acetone
 Concen: 31.836 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.3	36.5





#17

Carbon Disulfide

Concen: 5.652 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 82852

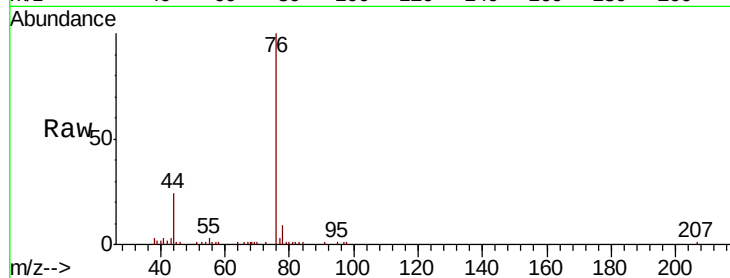
Ion Ratio Lower Upper

76 100

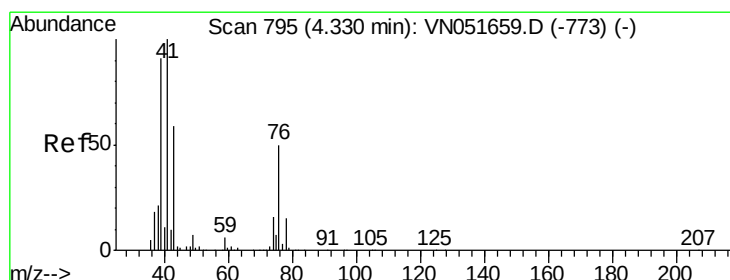
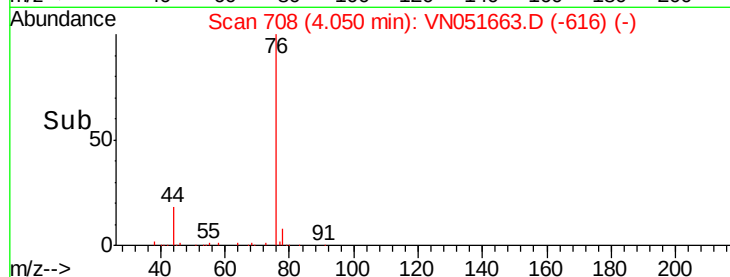
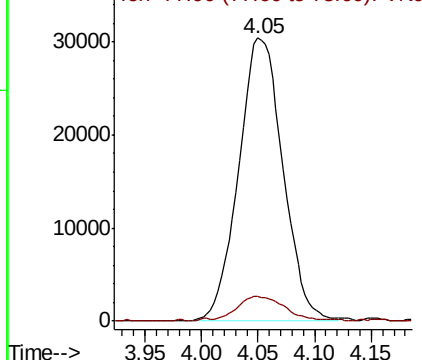
78 8.7 7.2 10.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 5.169 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051663.D

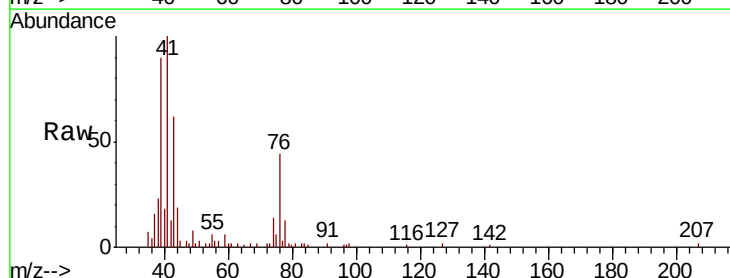
Acq: 4 Oct 2018 13:19

Tgt Ion: 43 Resp: 19520

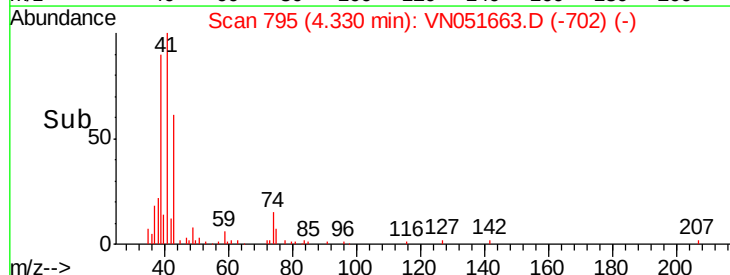
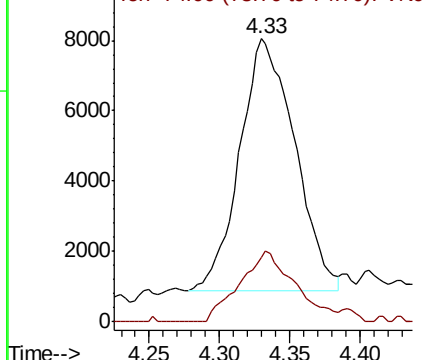
Ion Ratio Lower Upper

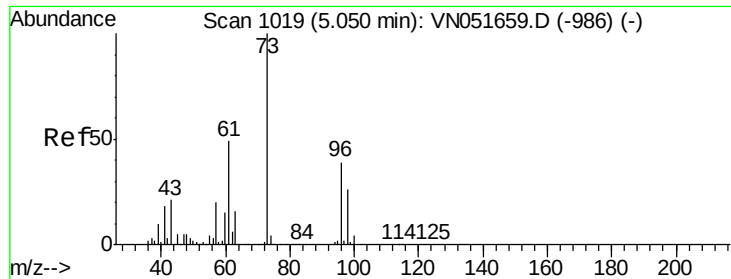
43 100

74 28.3 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





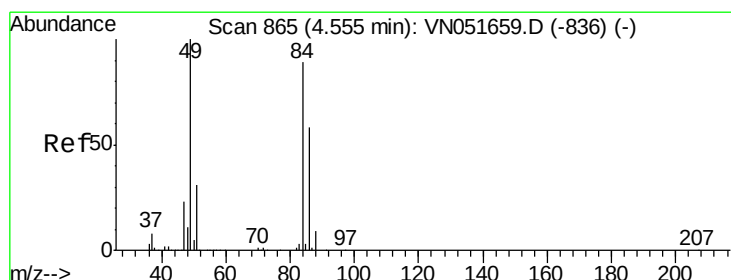
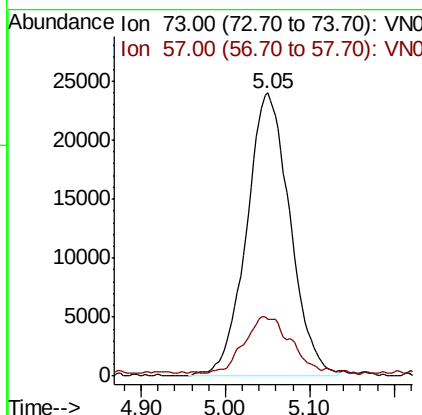
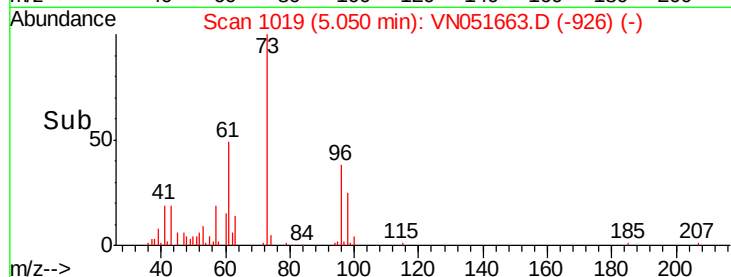
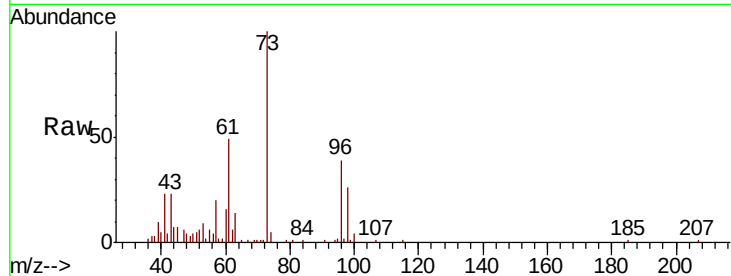
#19
Methyl tert-butyl Ether
Concen: 5.397 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 85915
Ion Ratio Lower Upper
73 100
57 18.9 15.6 23.4

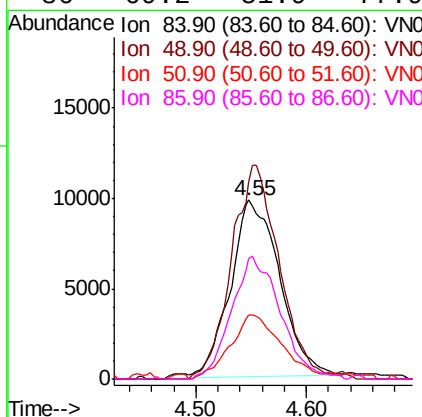
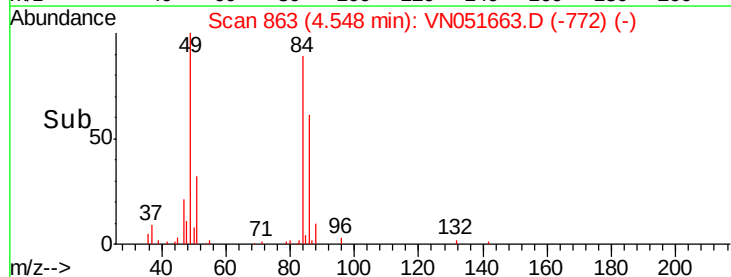
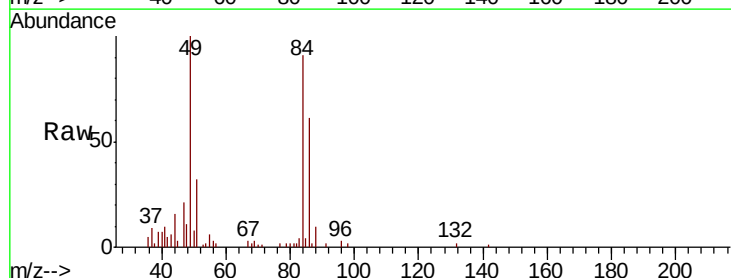
Manual Integrations
APPROVED

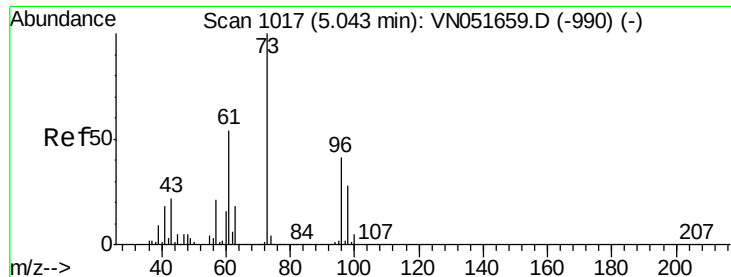
MMDadoda
10/8/2018 1:53:11 PM



#20
Methylene Chloride
Concen: 5.404 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion: 84 Resp: 30421
Ion Ratio Lower Upper
84 100
49 112.7 89.5 134.3
51 36.3 27.4 41.0
86 69.2 51.9 77.9





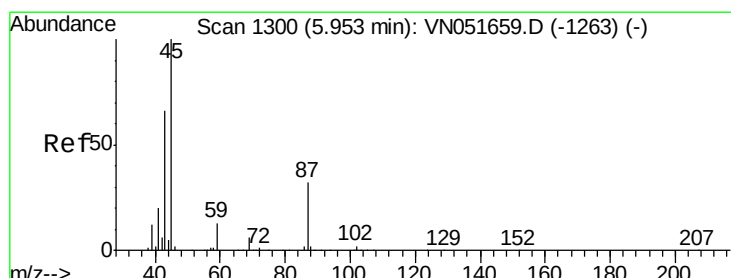
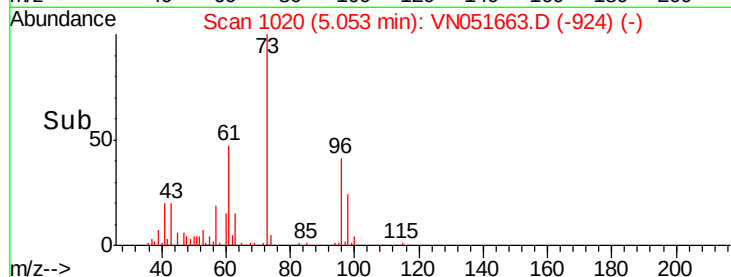
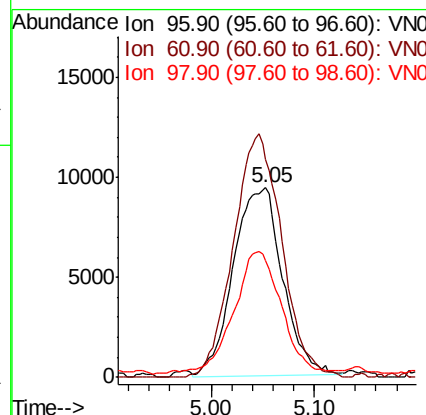
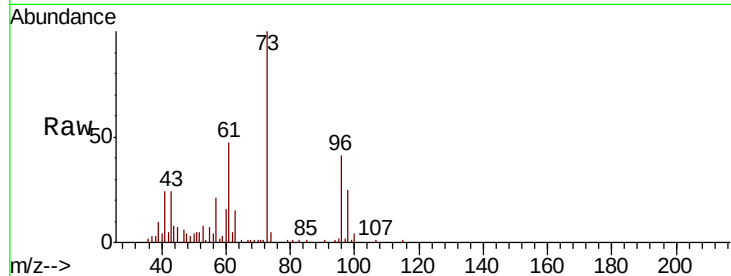
#21
trans-1,2-Dichloroethene
Concen: 5.446 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.0	104.7	157.1
98	59.0	54.6	82.0

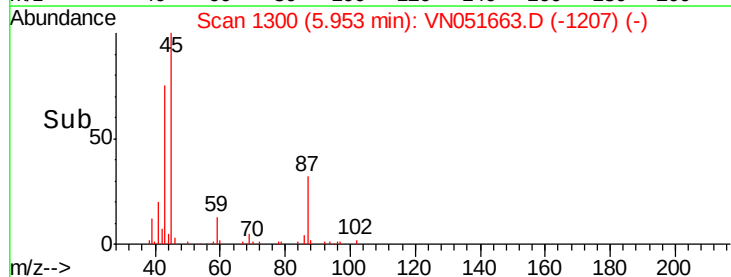
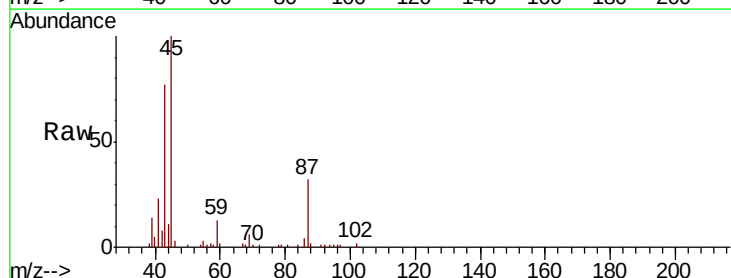
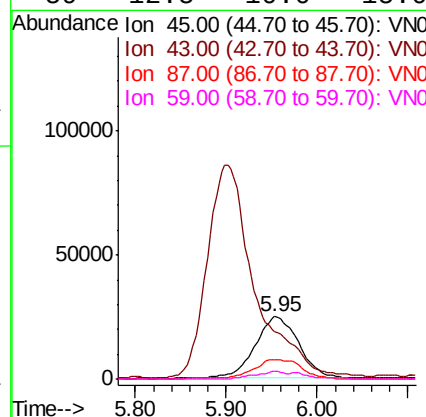
Manual Integrations
APPROVED

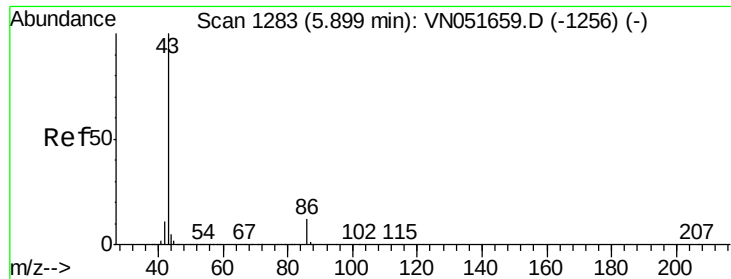
MMDadoda
10/8/2018 1:53:11 PM



#22
Diisopropyl ether
Concen: 5.219 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.4	53.0	79.4
87	32.3	26.4	39.6
59	12.5	10.0	15.0





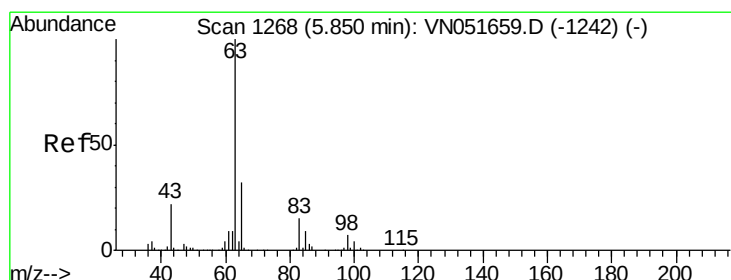
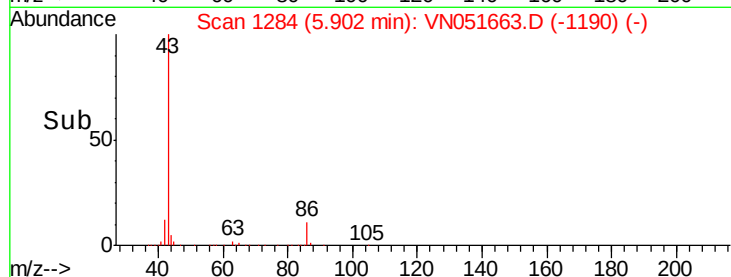
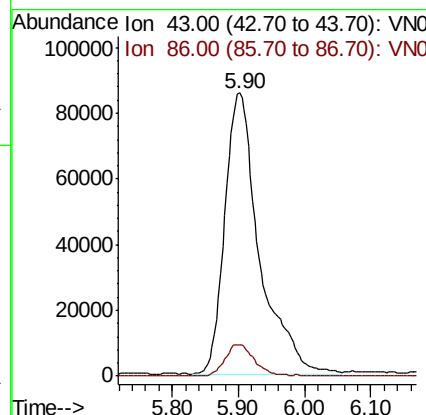
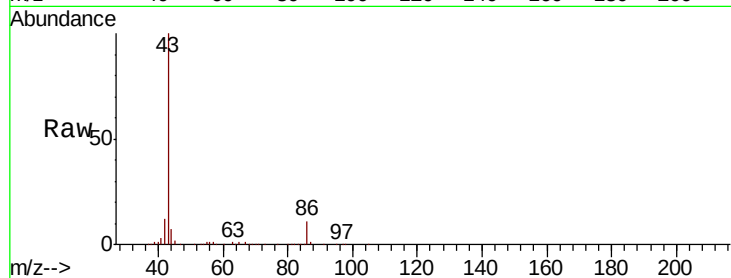
#23
 Vinyl Acetate
 Concen: 26.812 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.3	13.9

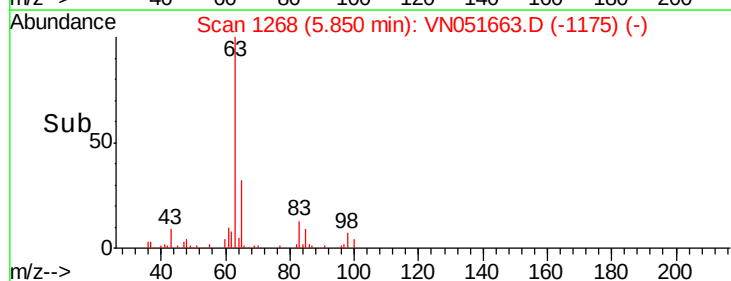
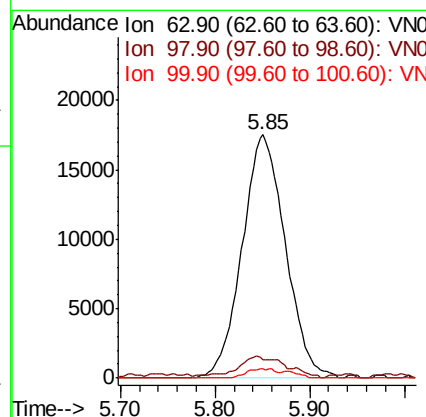
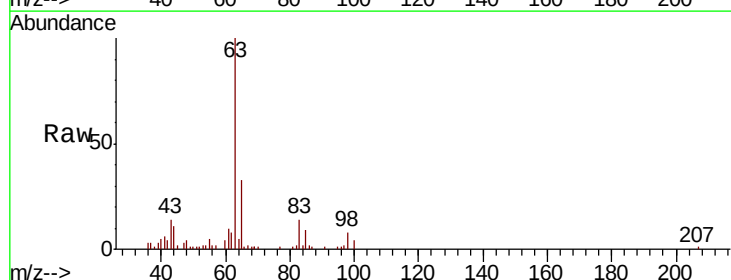
Manual Integrations
 APPROVED

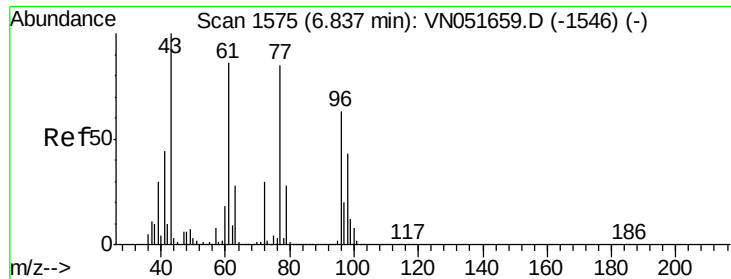
MMDadoda
 10/8/2018 1:53:11 PM



#24
 1,1-Dichloroethane
 Concen: 5.477 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.3	9.9
100	3.9	2.2	6.6





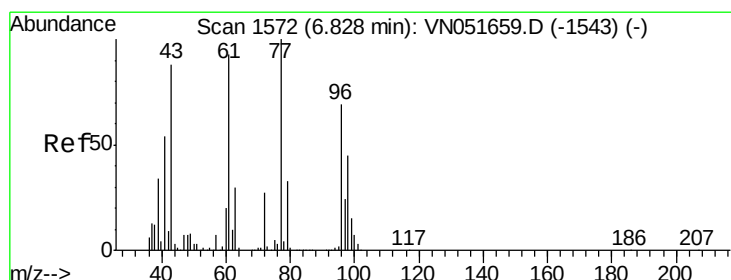
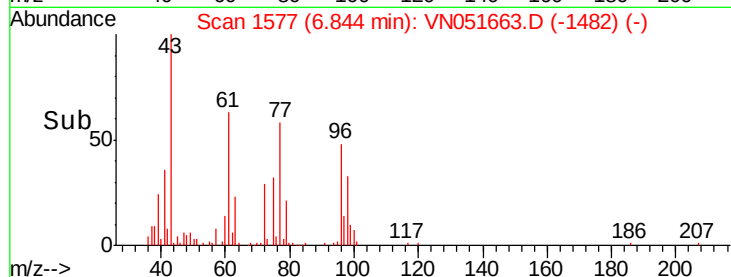
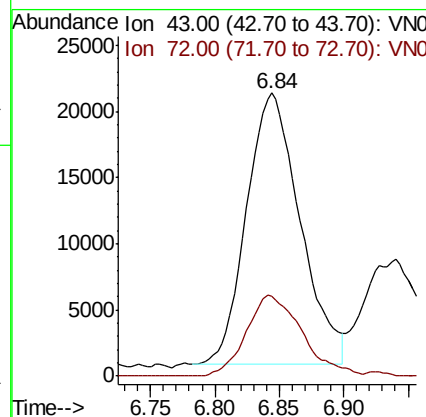
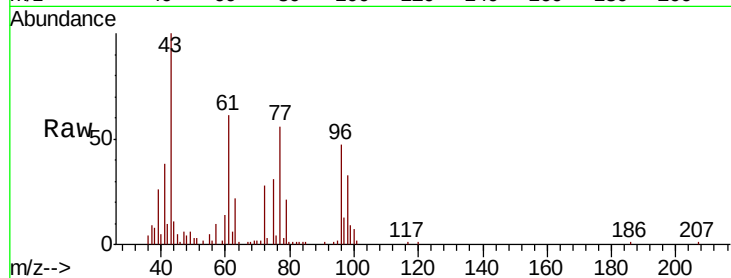
#25
2-Butanone
Concen: 30.025 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	59318
Ion Ratio	Lower	Upper	
43	100		
72	29.5	24.2	36.2

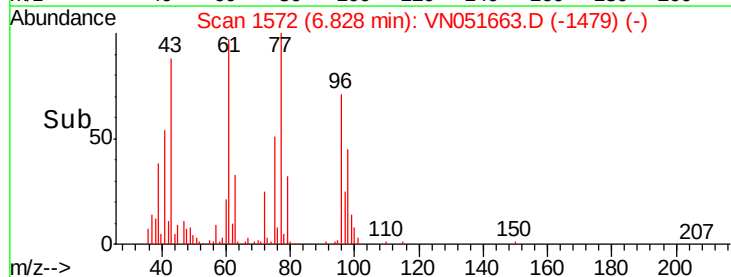
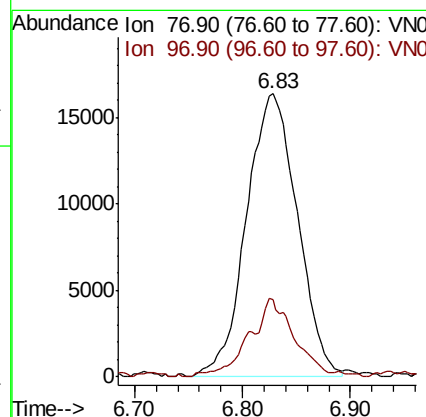
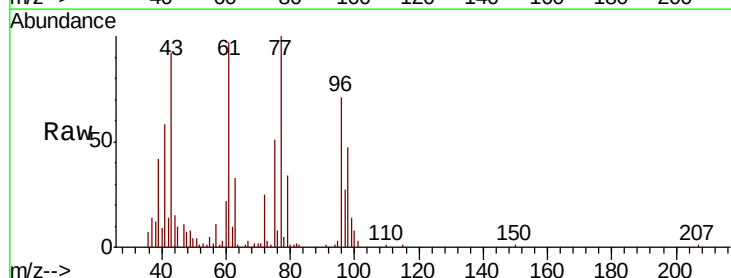
Manual Integrations
APPROVED

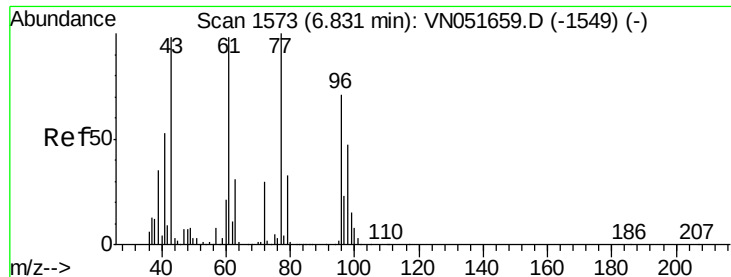
MMDadoda
10/8/2018 1:53:11 PM



#26
2,2-Dichloropropane
Concen: 5.293 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	77	Resp	53790
Ion Ratio	Lower	Upper	
77	100		
97	24.2	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 5.466 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

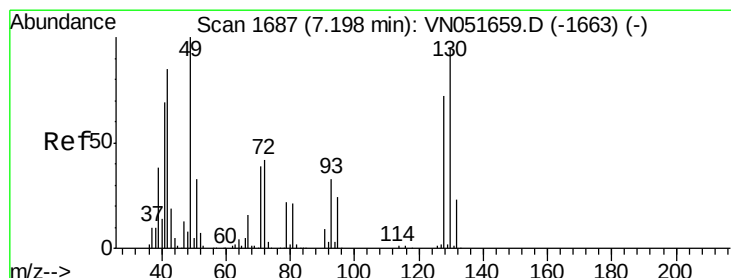
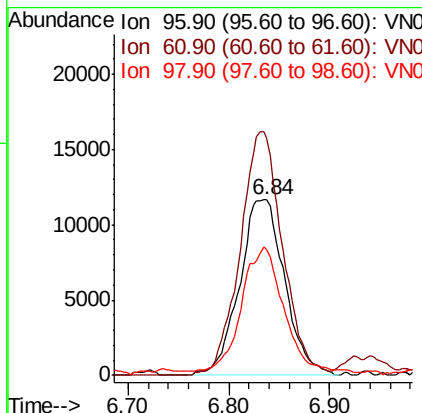
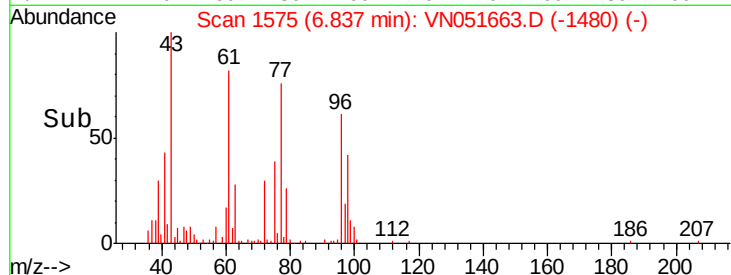
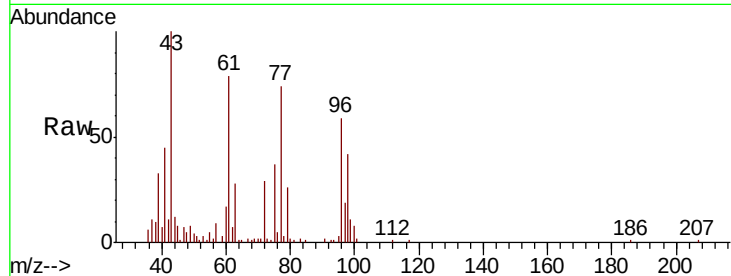
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	36268
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	275.4
98	66.6	0.0	129.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#28

Bromochloromethane

Concen: 5.452 ug/l

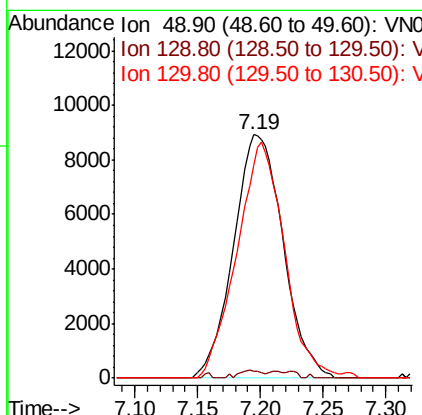
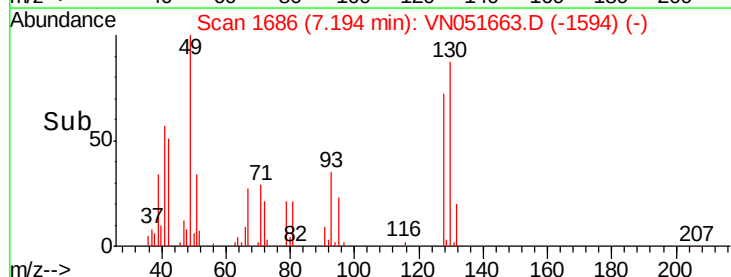
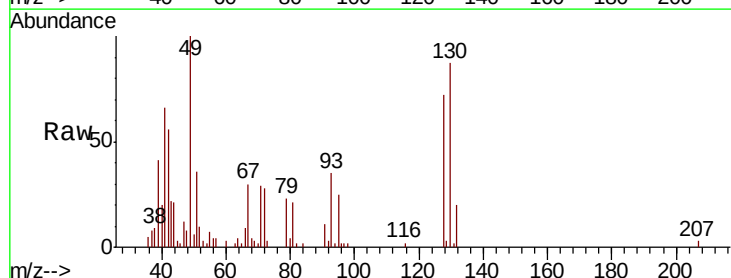
RT: 7.19 min Scan# 1686

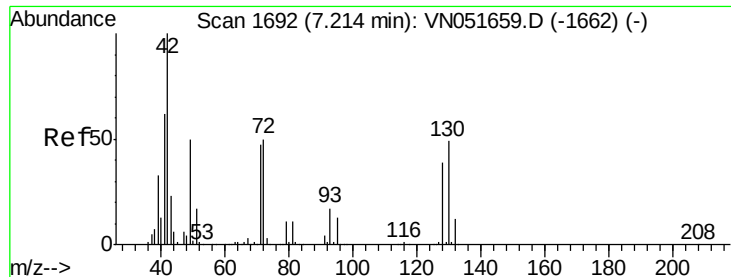
Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion:	49	Resp:	24478
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	0.0	75.7	113.5#





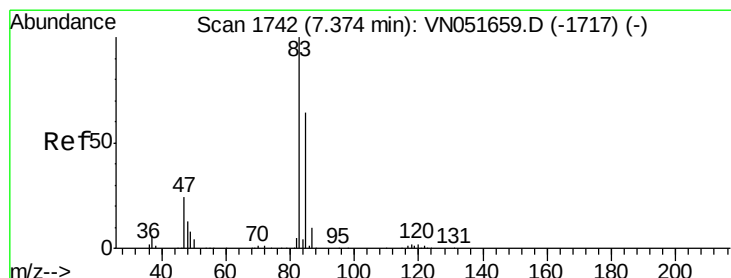
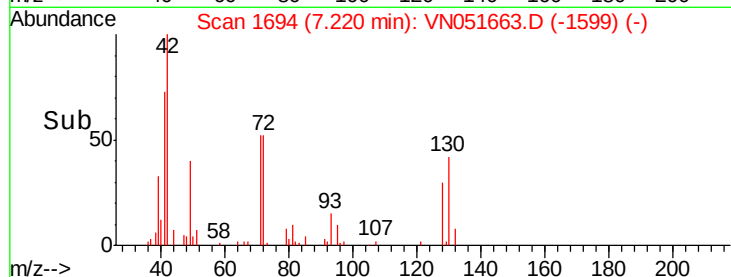
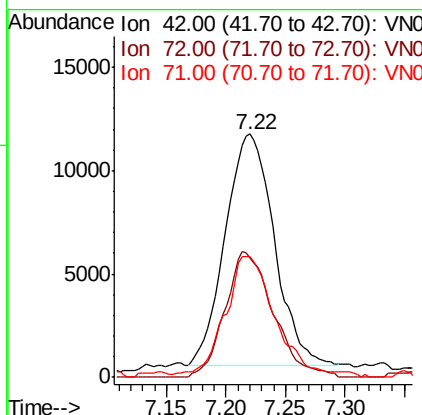
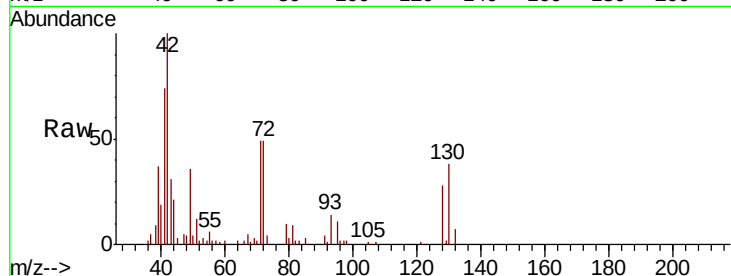
#29
Tetrahydrofuran
Concen: 26.260 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	40.1	60.1
71	49.4	38.0	57.0

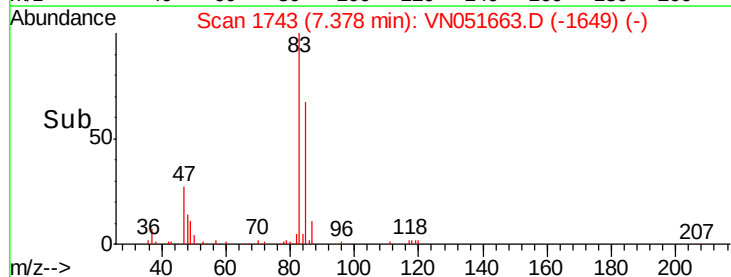
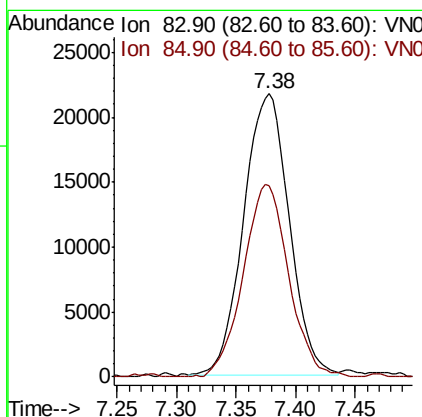
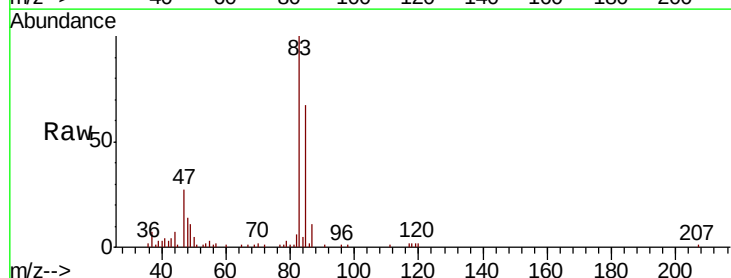
Manual Integrations
APPROVED

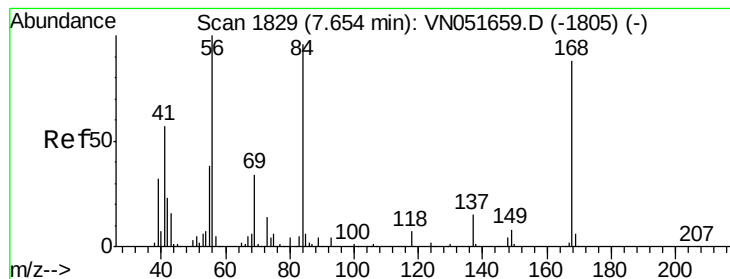
MMDadoda
10/8/2018 1:53:11 PM



#30
Chloroform
Concen: 5.027 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.6	77.4





#31

Cyclohexane

Concen: 5.796 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

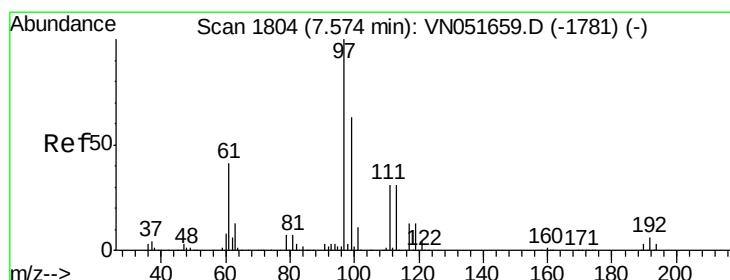
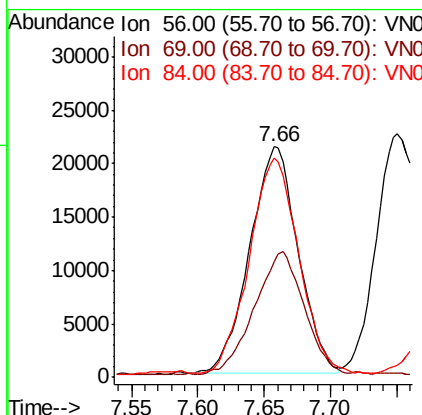
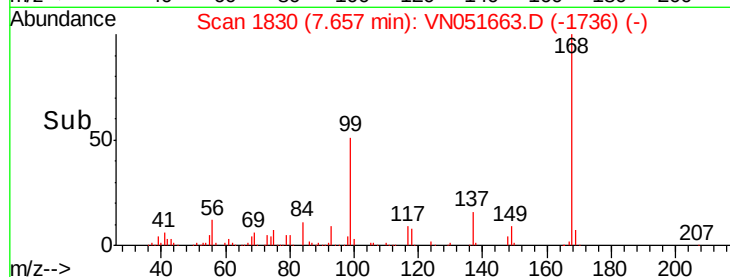
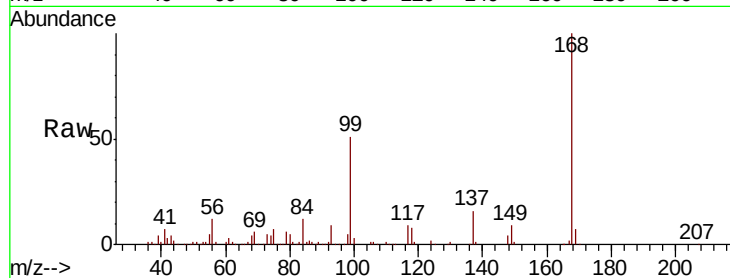
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	53834
Ion Ratio	Lower	Upper	
56	100		
69	49.6	27.5	41.3#
84	94.5	76.7	115.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#32

1,1,1-Trichloroethane

Concen: 5.125 ug/l

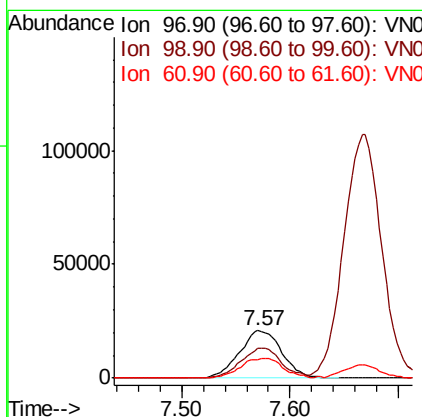
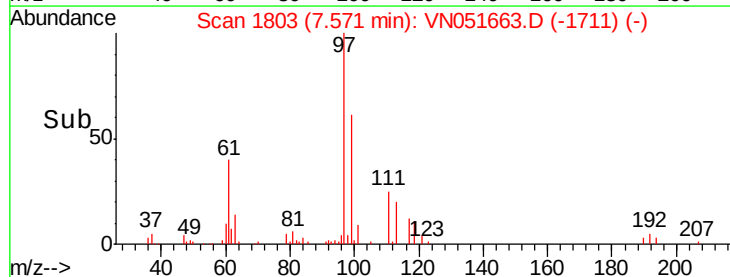
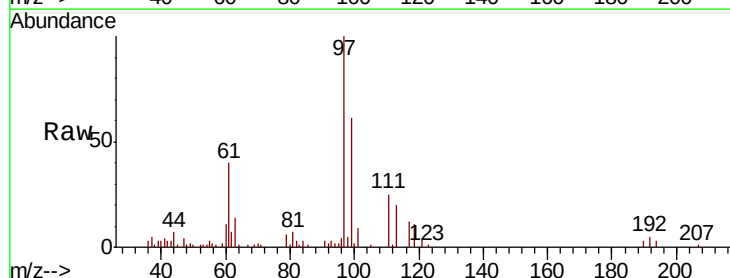
RT: 7.57 min Scan# 1803

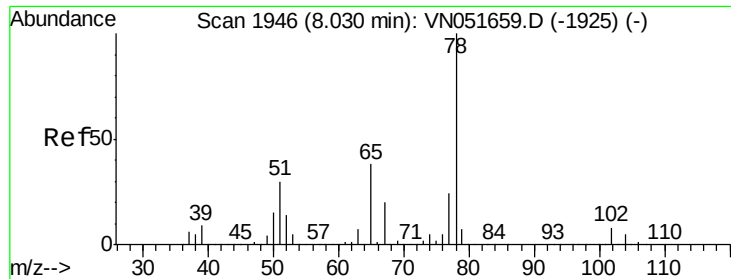
Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion:	97	Resp:	56596
Ion Ratio	Lower	Upper	
97	100		
99	61.3	51.9	77.9
61	42.1	33.4	50.0





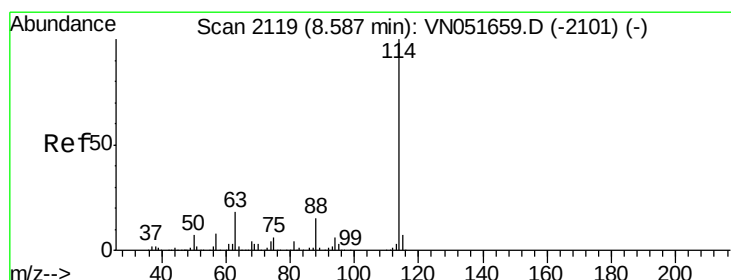
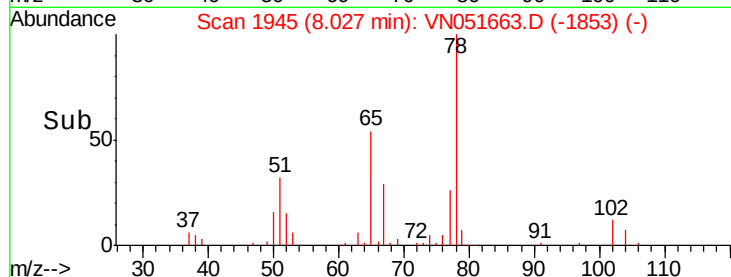
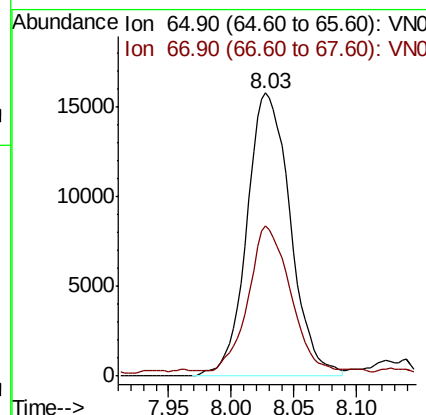
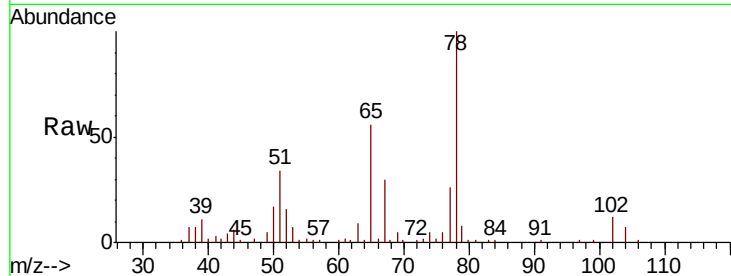
#33
 1,2-Dichloroethane-d4
 Concen: 5.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	103.6

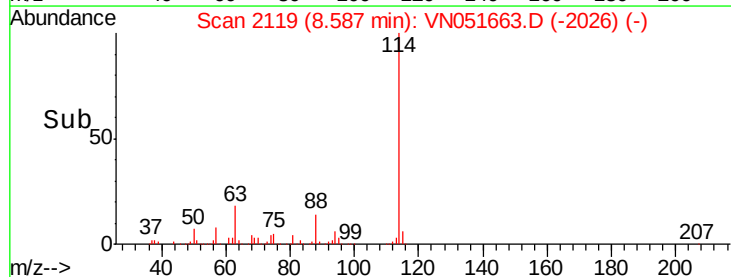
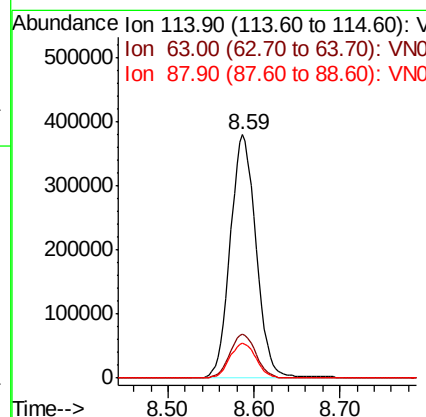
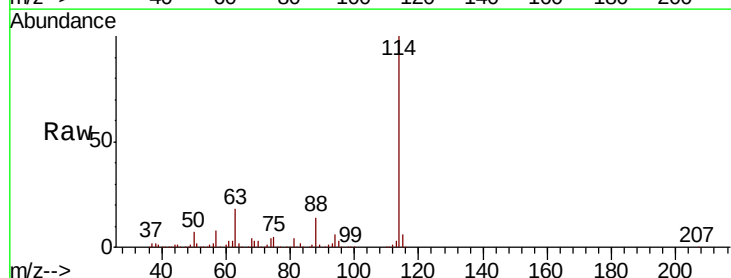
Manual Integrations
 APPROVED

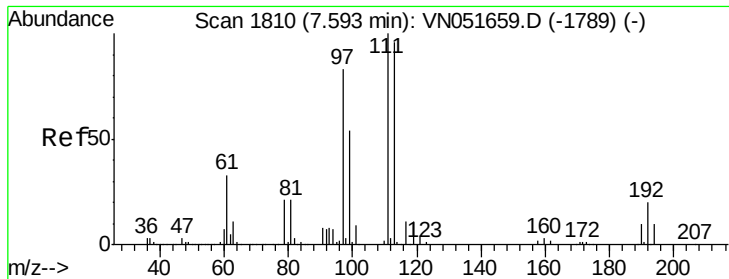
MMDadoda
 10/8/2018 1:53:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.2
88	14.2	0.0	30.2





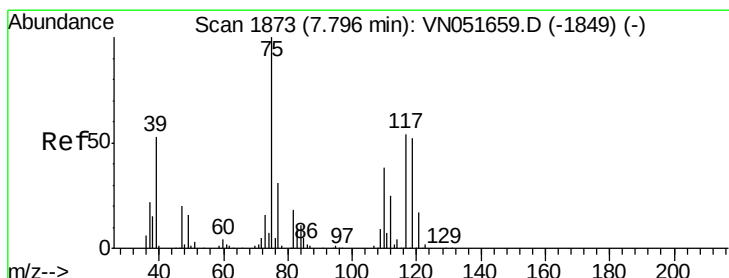
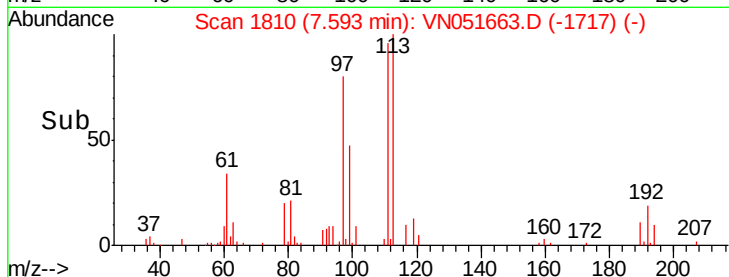
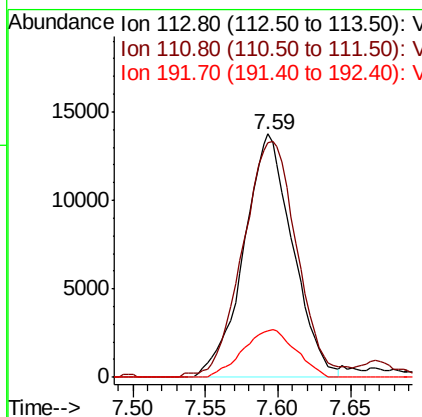
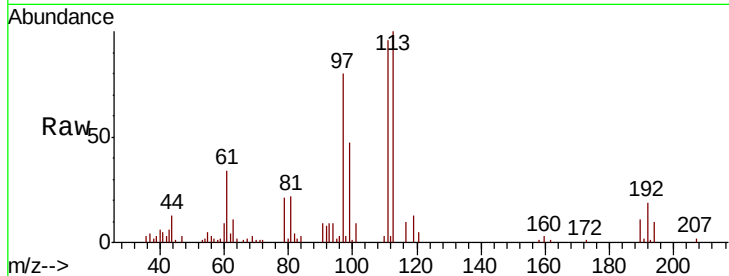
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	107.7	81.8	122.8
192	21.1	16.5	24.7

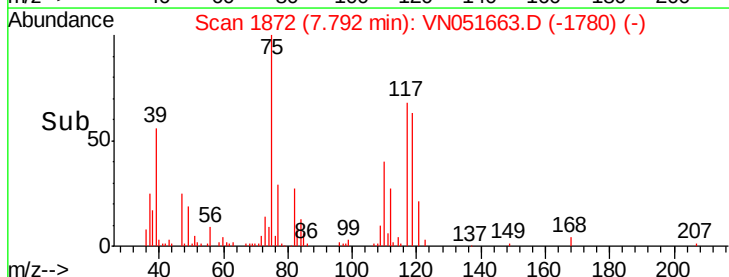
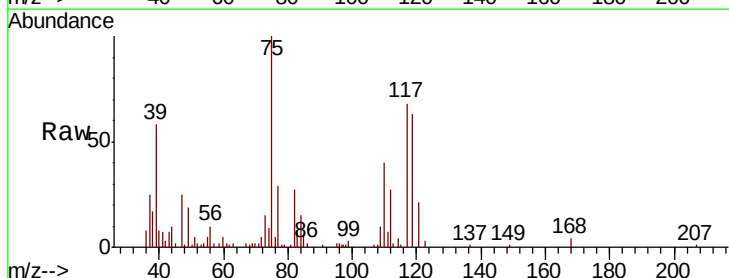
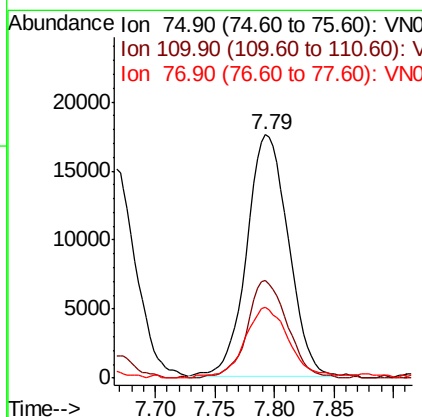
Manual Integrations
APPROVED

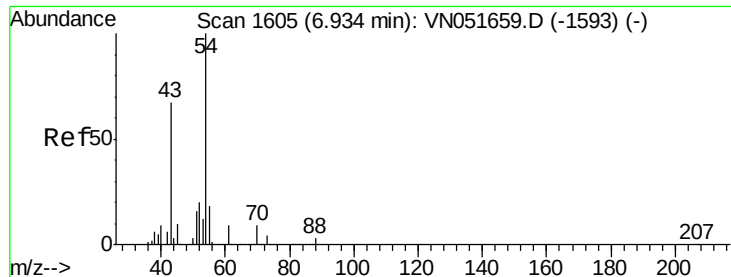
MMDadoda
10/8/2018 1:53:11 PM



#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.3	57.8
77	31.4	24.7	37.1





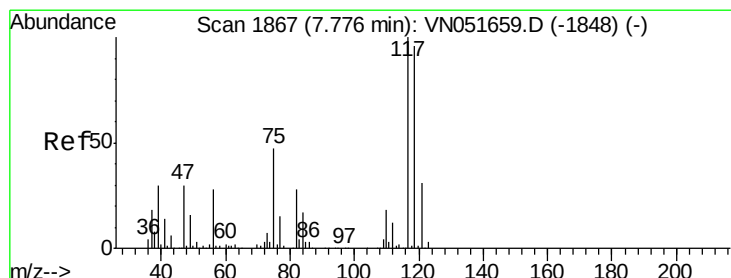
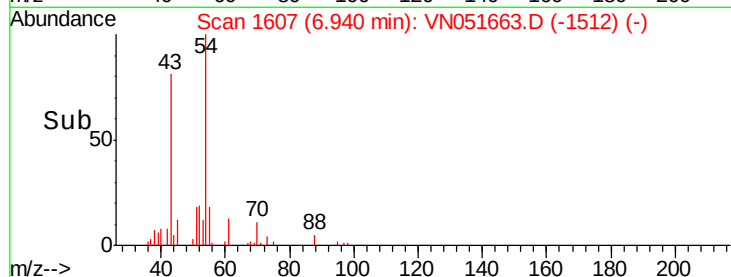
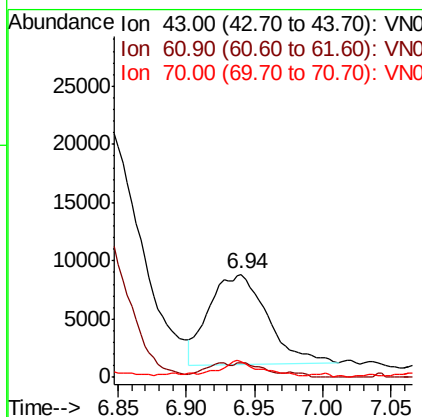
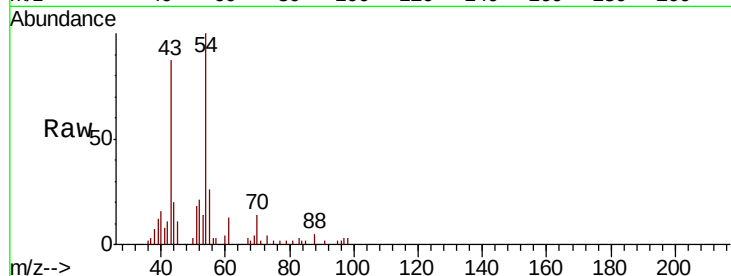
#37
Ethyl Acetate
Concen: 5.302 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.6#
70	10.7	8.7	13.1

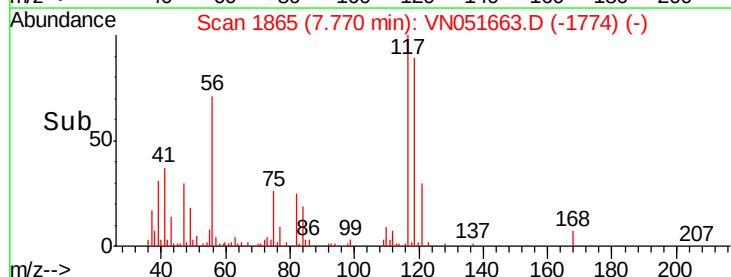
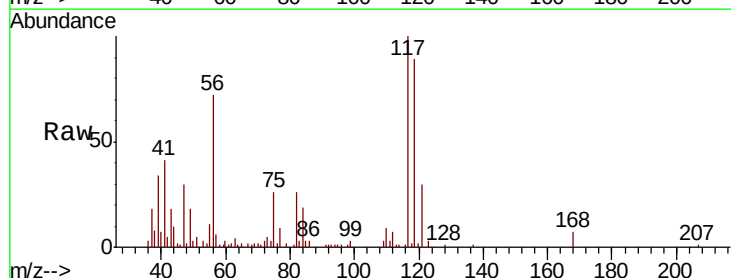
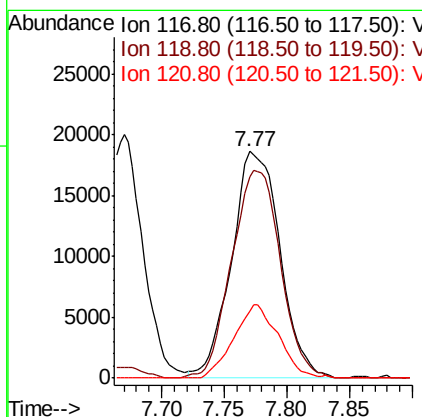
Manual Integrations
APPROVED

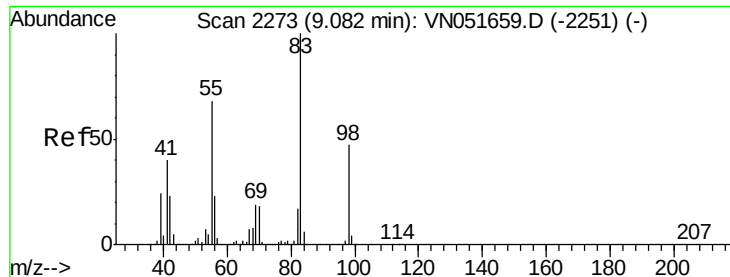
MMDadoda
10/8/2018 1:53:11 PM



#38
Carbon Tetrachloride
Concen: 5.016 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	77.0	115.6
121	29.7	25.0	37.6





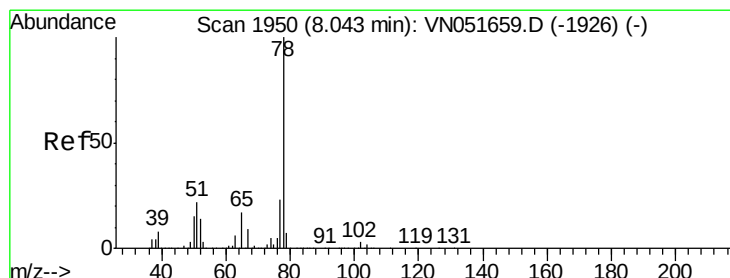
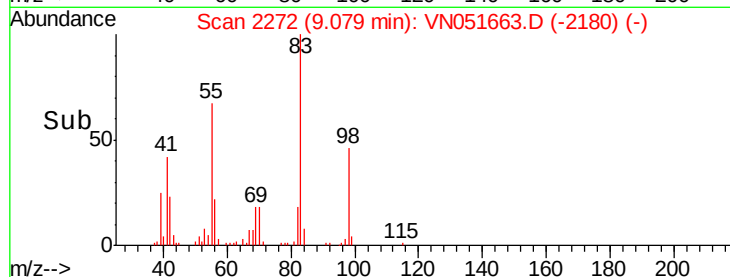
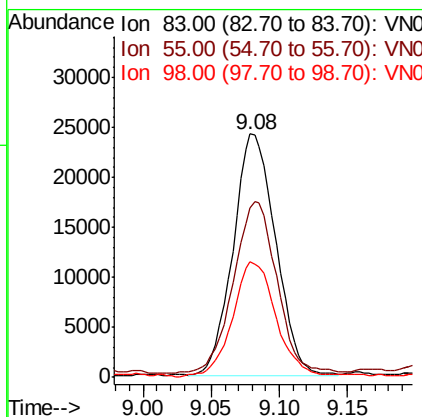
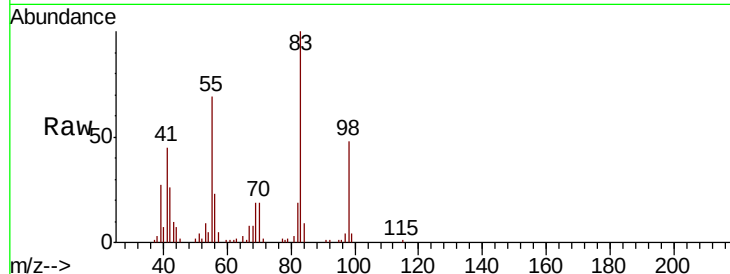
#39
Methylvlcyclohexane
Concen: 4.998 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	54.3	81.5
98	46.9	37.4	56.2

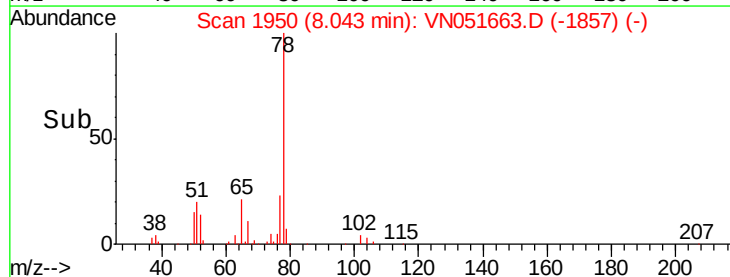
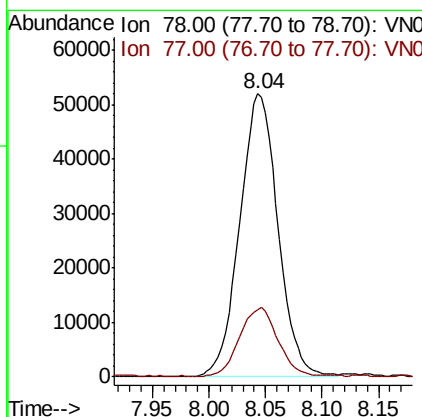
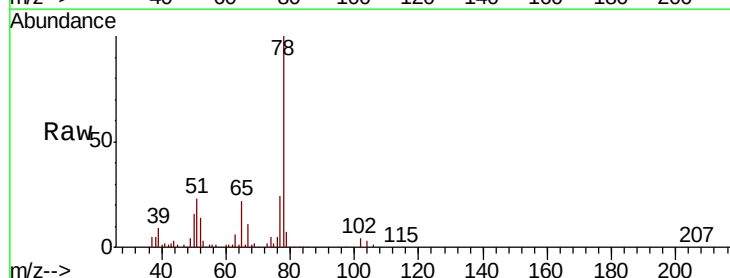
Manual Integrations
APPROVED

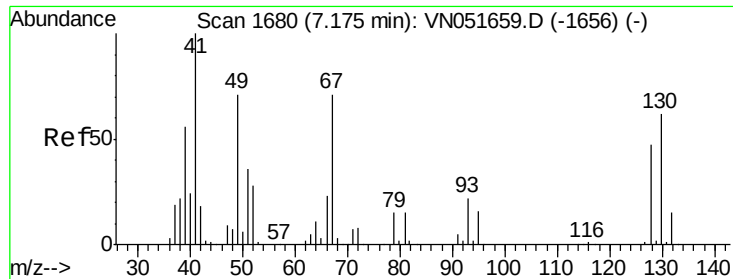
MMDadoda
10/8/2018 1:53:11 PM



#40
Benzene
Concen: 4.974 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





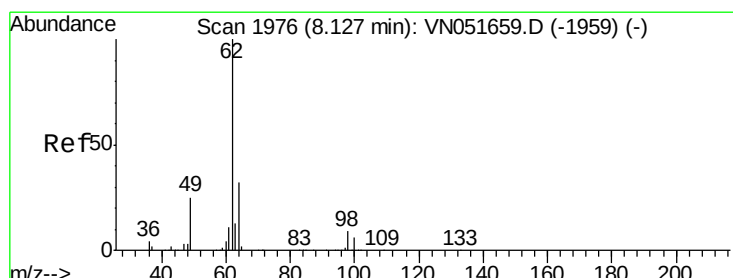
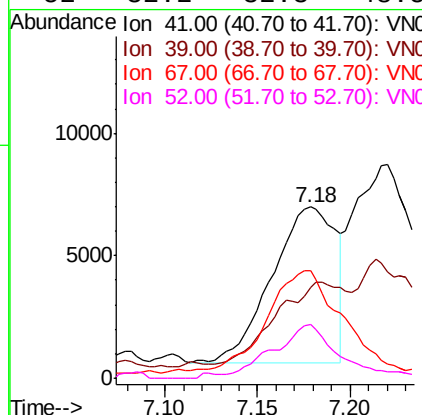
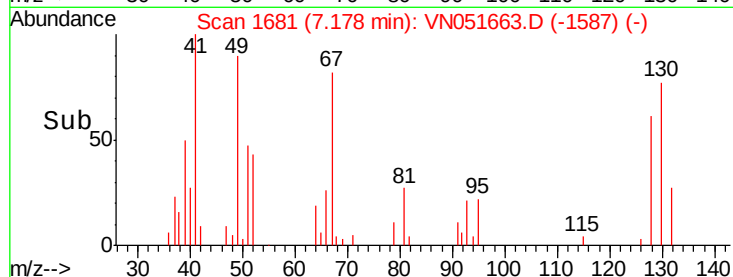
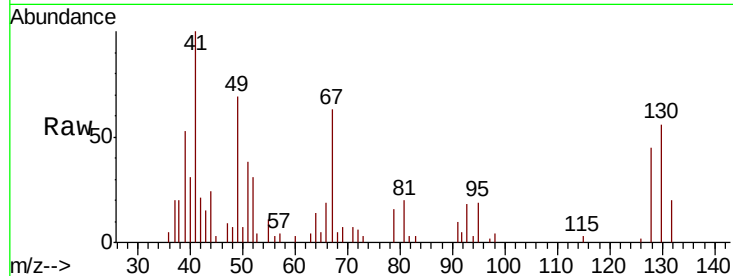
#41
Methacrylonitrile
Concen: 6.386 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	53.9	80.9
67	75.1	78.1	117.1#
52	32.2	32.3	48.5#

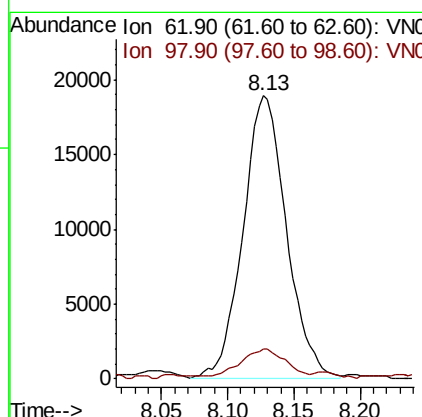
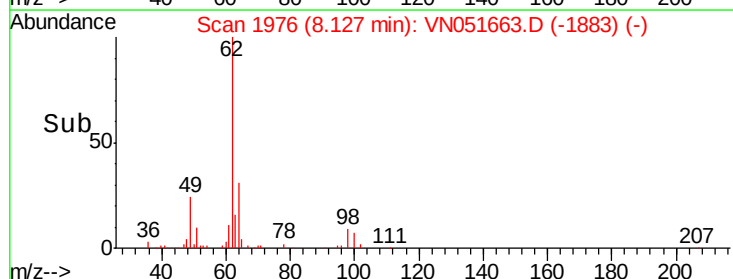
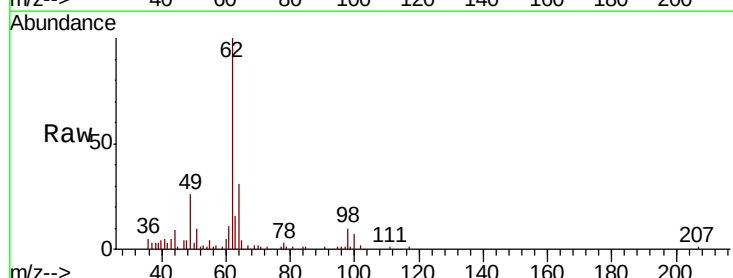
Manual Integrations
APPROVED

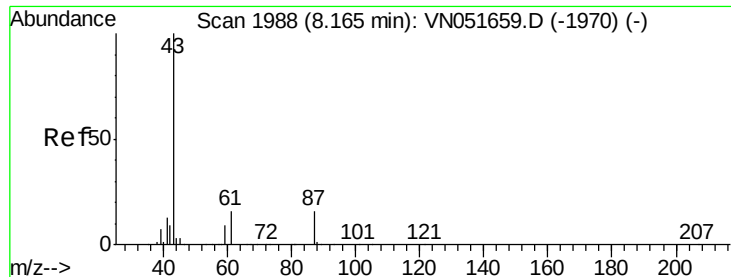
MMDadoda
10/8/2018 1:53:11 PM



#42
1,2-Dichloroethane
Concen: 5.221 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 5.303 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

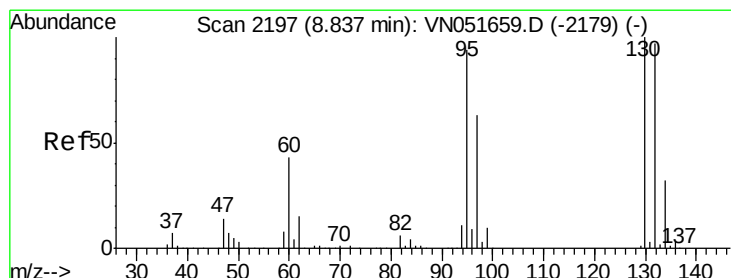
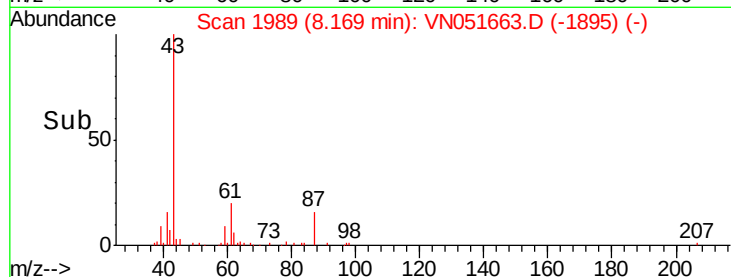
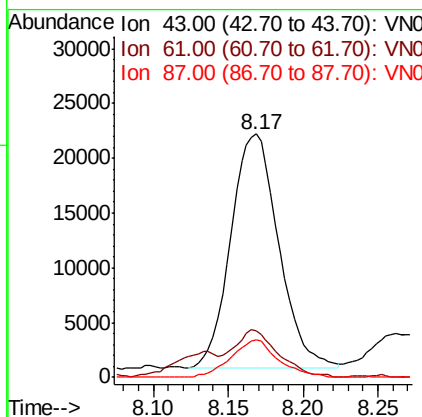
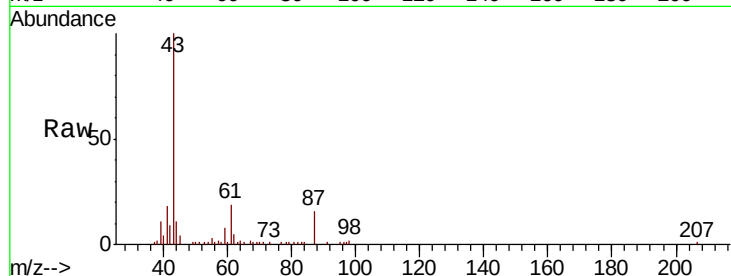
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	47846
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.8	23.6
87	15.6	12.6	19.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#44

Trichloroethene

Concen: 5.085 ug/l

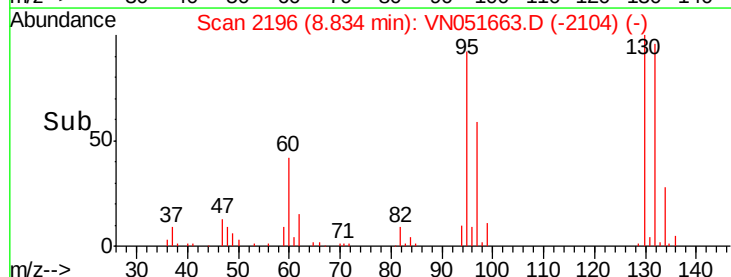
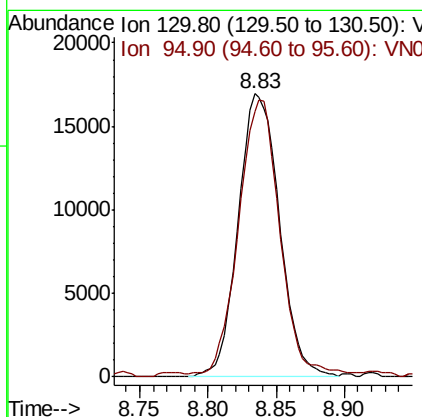
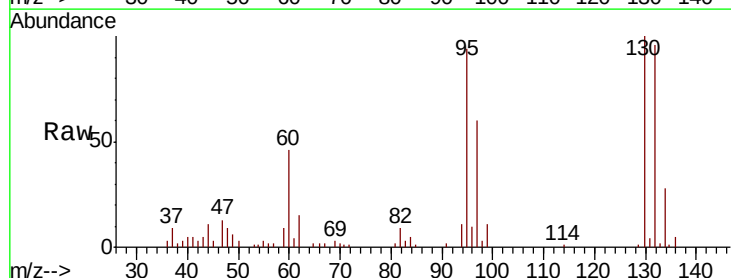
RT: 8.83 min Scan# 2196

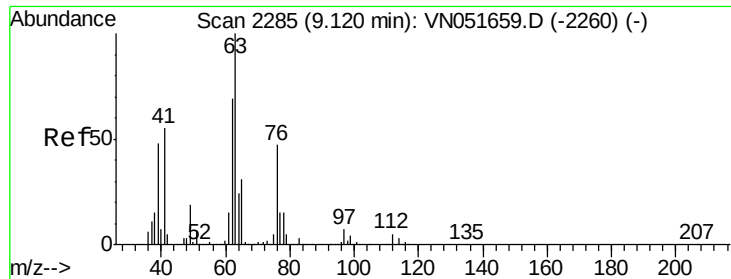
Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion:	130	Resp:	35516
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	188.0





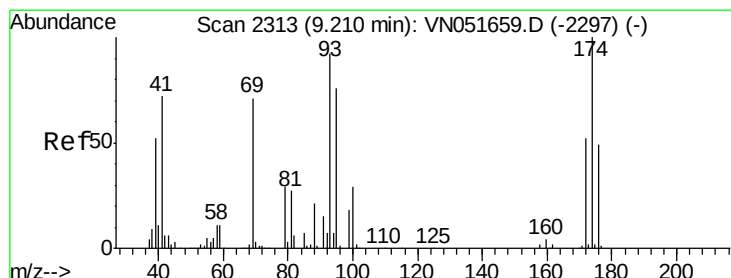
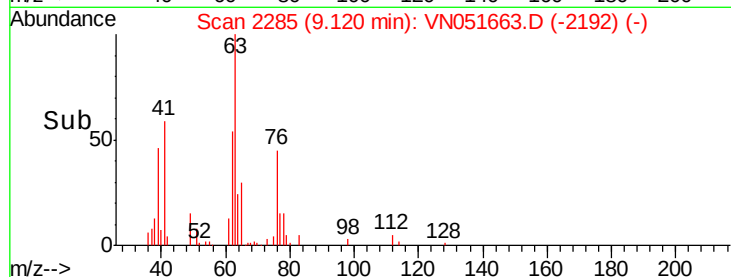
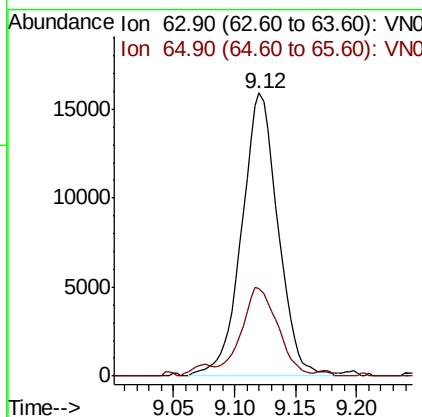
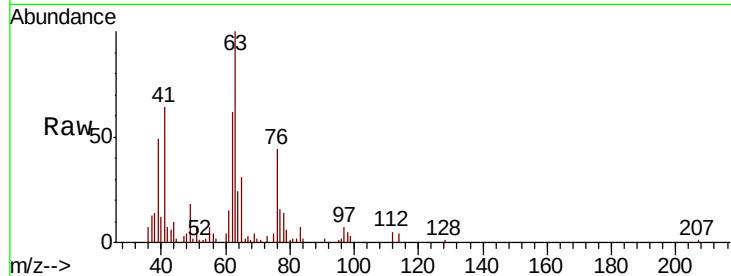
#45
 1,2-Dichloropropane
 Concen: 5.377 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.0	37.4

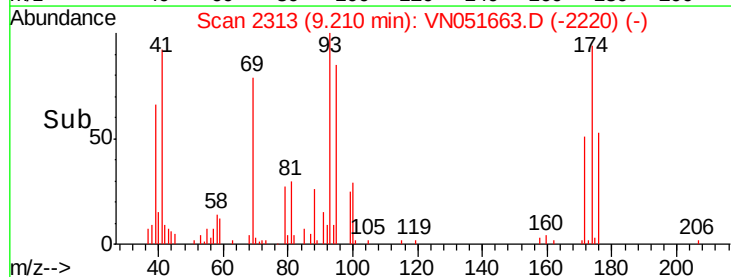
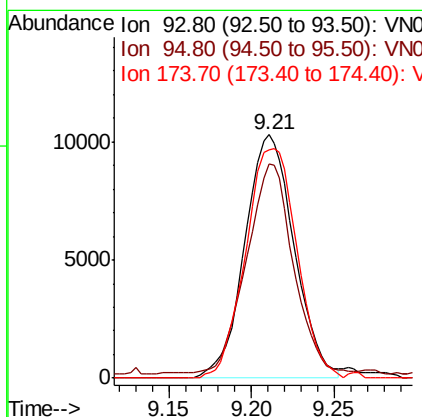
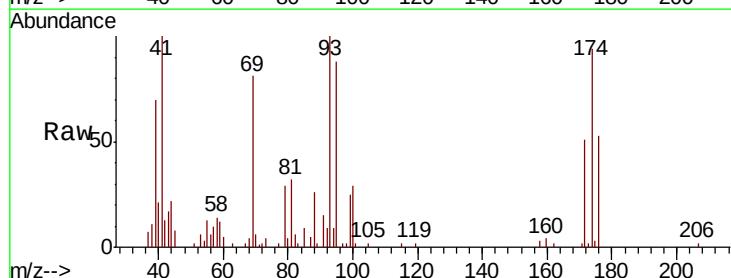
Manual Integrations
 APPROVED

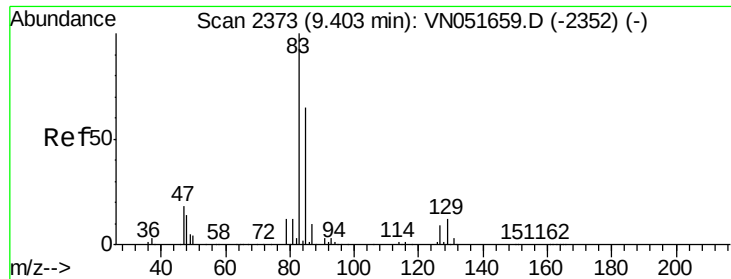
MMDadoda
 10/8/2018 1:53:11 PM



#46
 Dibromomethane
 Concen: 5.037 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.6	100.0
174	98.2	85.9	128.9





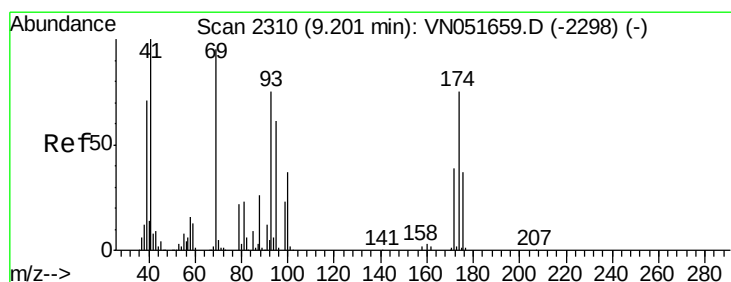
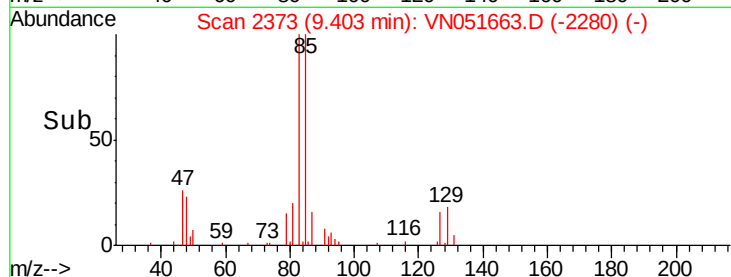
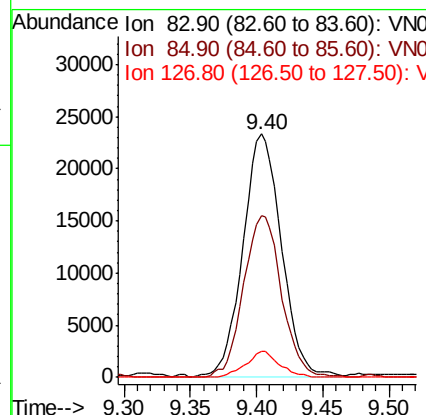
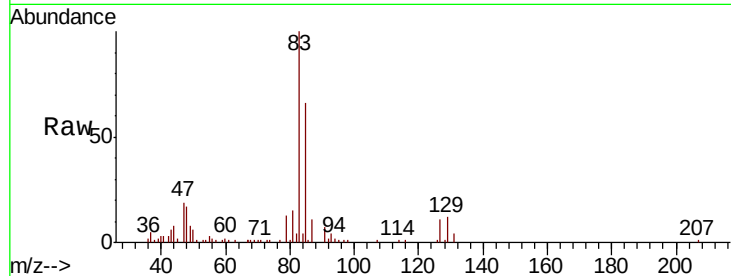
#47
Bromodichloromethane
Concen: 5.097 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	85	127
Resp	47428		
Ratio	100	66.3	10.7
Lower		51.6	7.3
Upper		77.4	10.9

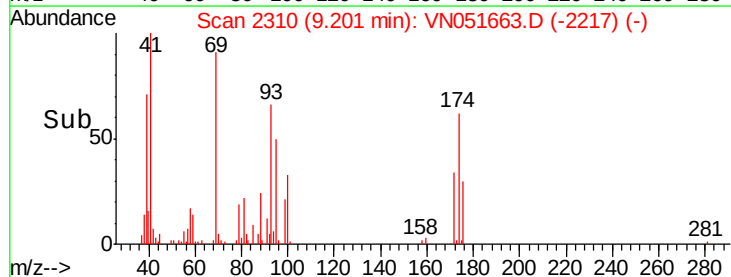
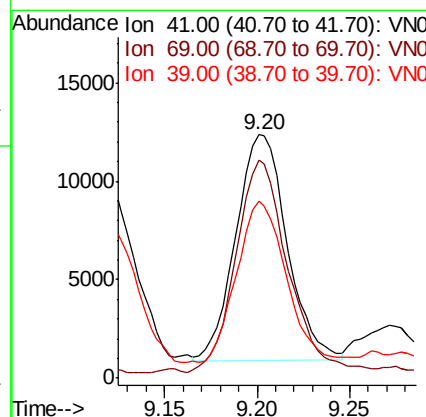
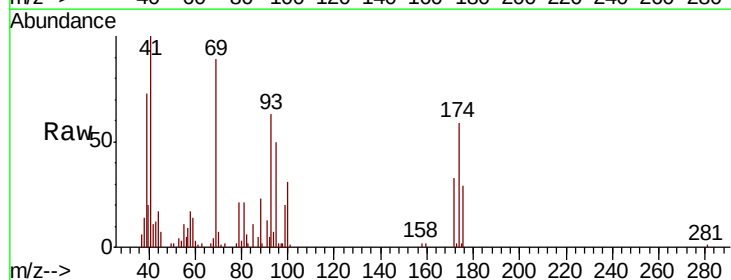
Manual Integrations
APPROVED

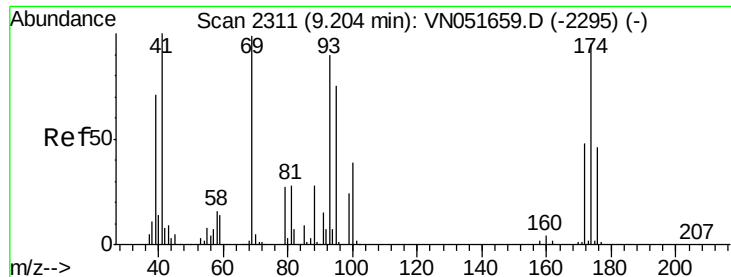
MMDadoda
10/8/2018 1:53:11 PM



#48
Methyl methacrylate
Concen: 5.365 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	41	69	39
Resp	22117		
Ratio	100	94.9	68.4
Lower		78.6	59.2
Upper		118.0	88.8





#49

1,4-Dioxane

Concen: 106.314 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

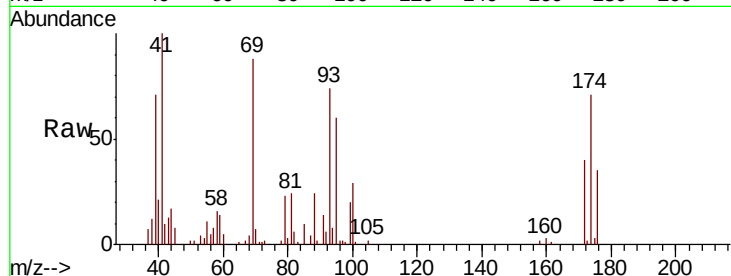
VSTDIC005

Tot Ion: 88 Resp: 6572

Ion	Ratio	Lower	Upper
88	100		
43	17.9	24.5	36.7#
58	64.9	47.6	71.4

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM

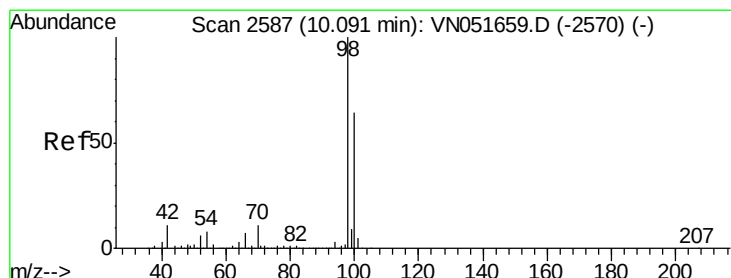
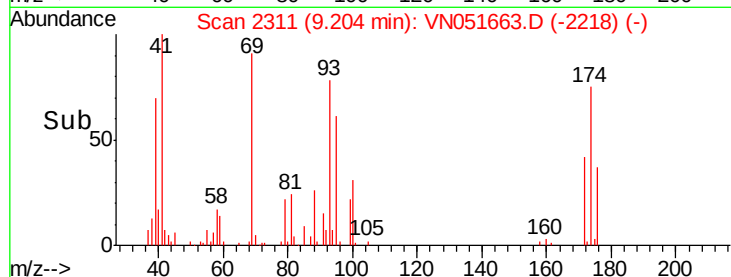
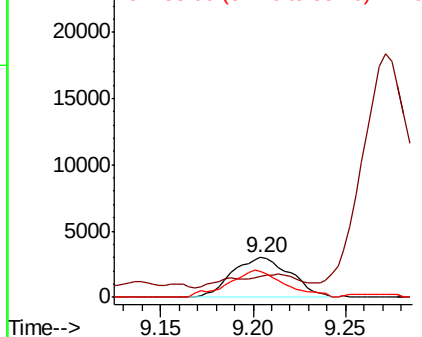


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 106.314 ug/l

RT: 10.09 min Scan# 2587

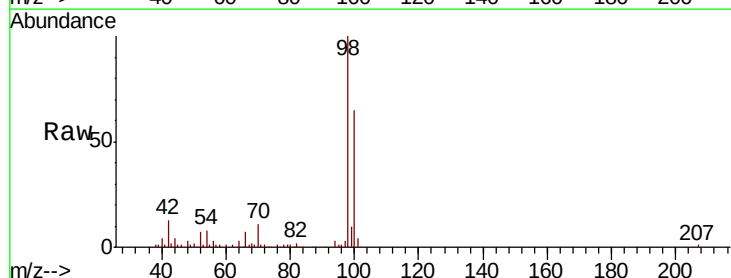
Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion: 98 Resp: 114186

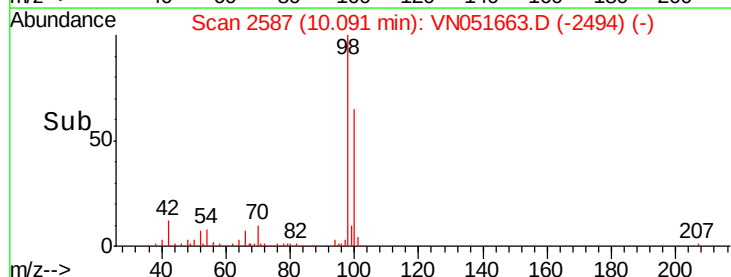
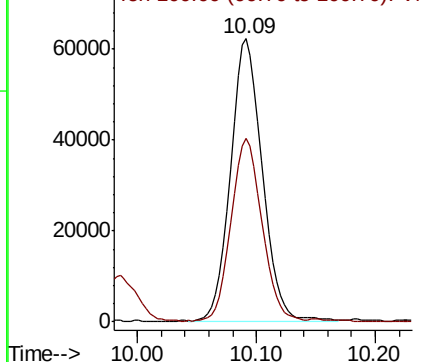
Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.5	77.3

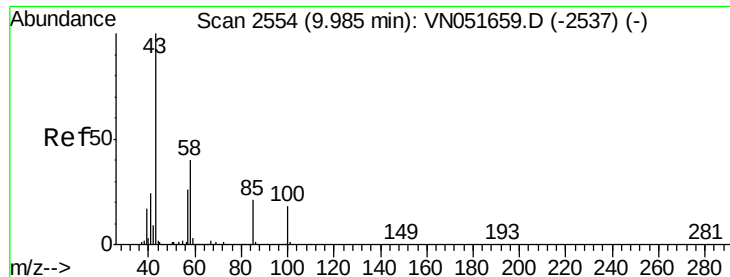


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





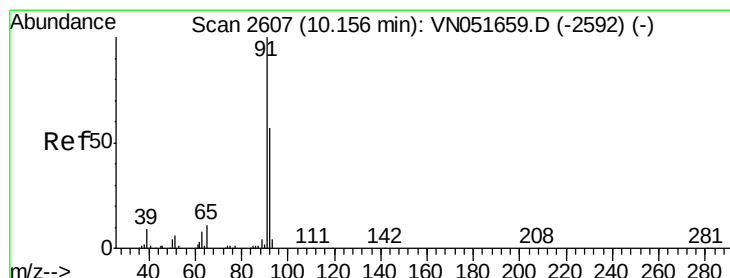
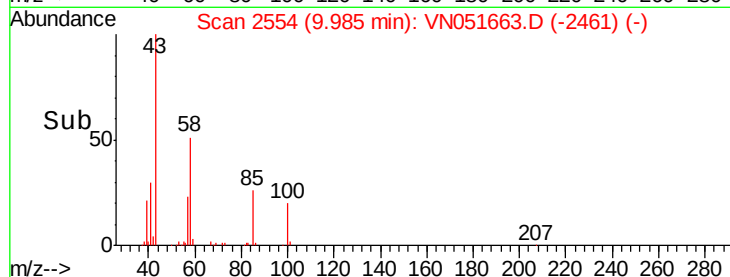
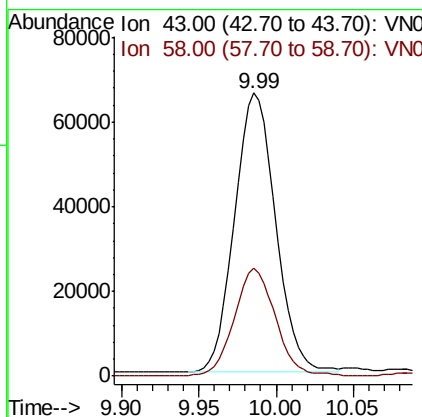
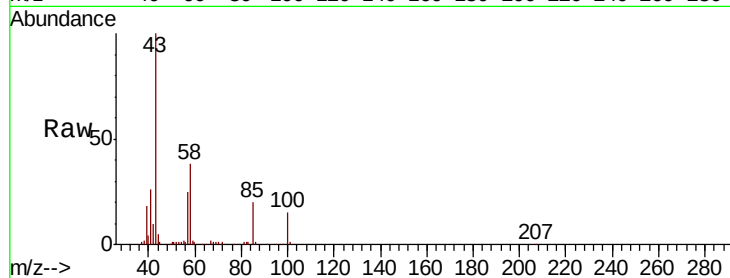
#51
4-Methyl-2-Pentanone
Concen: 26.664 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2

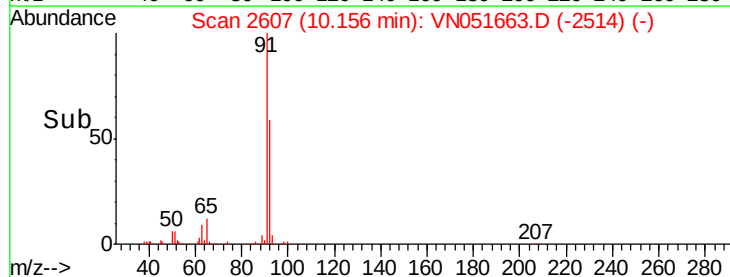
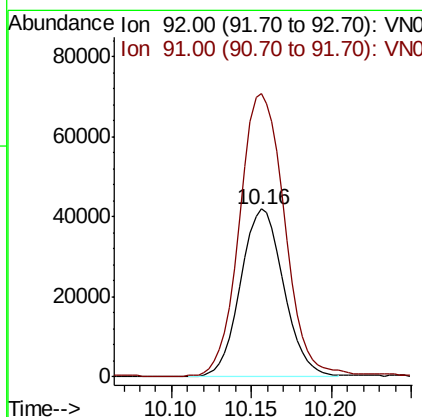
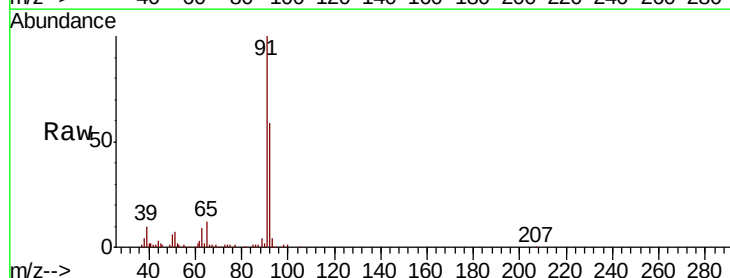
Manual Integrations
APPROVED

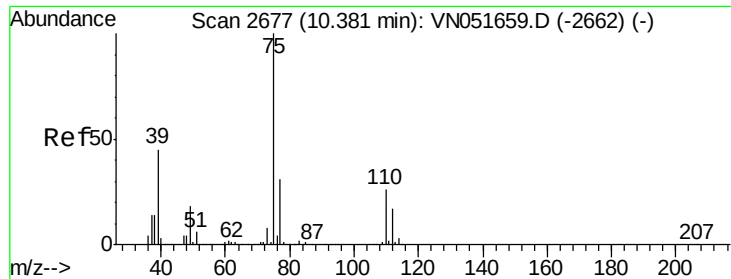
MMDadoda
10/8/2018 1:53:11 PM



#52
Toluene
Concen: 4.739 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 4.846 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 46526

Ion Ratio Lower Upper

75 100

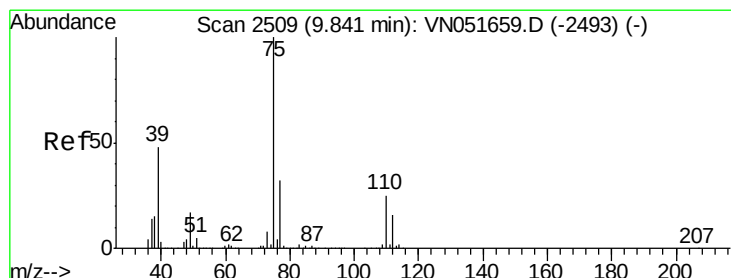
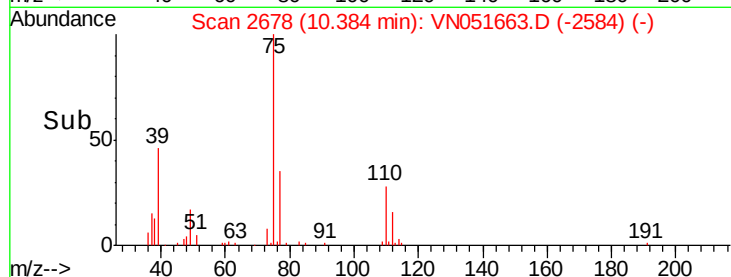
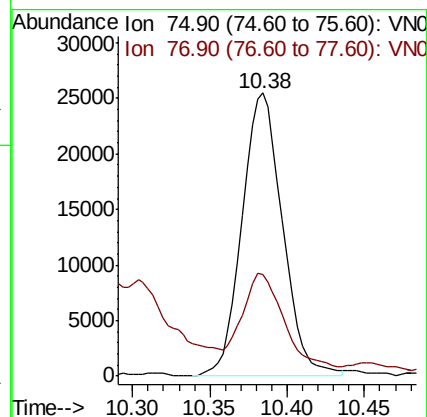
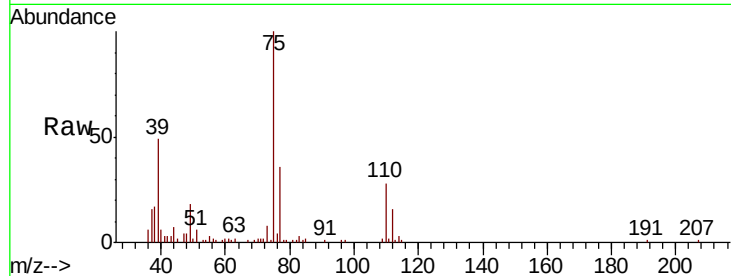
77 32.7 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:53:11 PM



#54

cis-1,3-Dichloropropene

Concen: 5.020 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

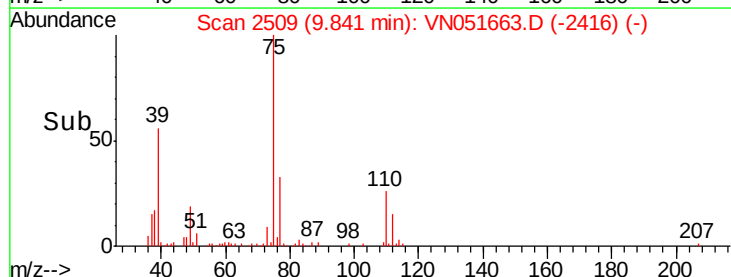
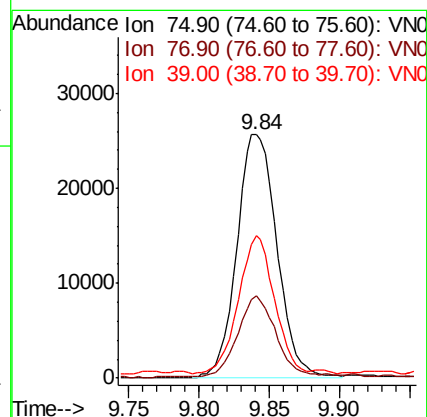
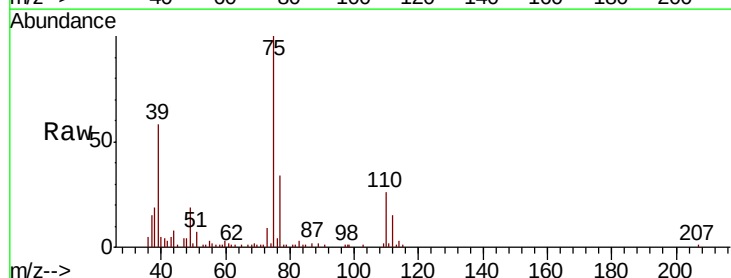
Tgt Ion: 75 Resp: 51186

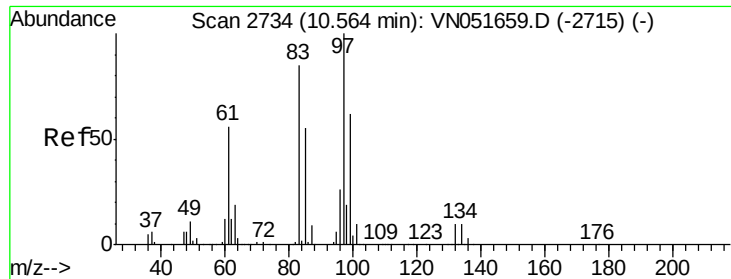
Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

39 56.6 38.1 57.1





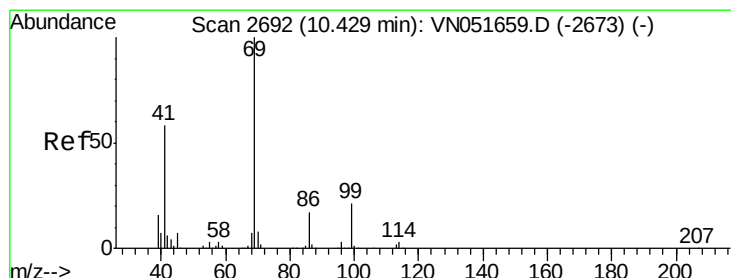
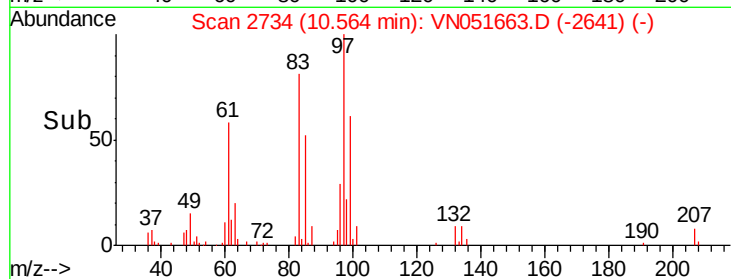
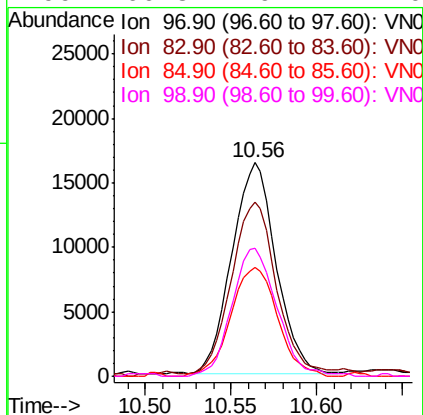
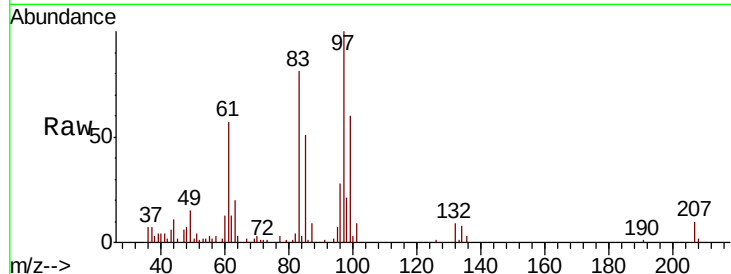
#55
 1,1,2-Trichloroethane
 Concen: 5.022 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	29269
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.1	102.1
85	51.8	43.6	65.4
99	60.8	49.4	74.0

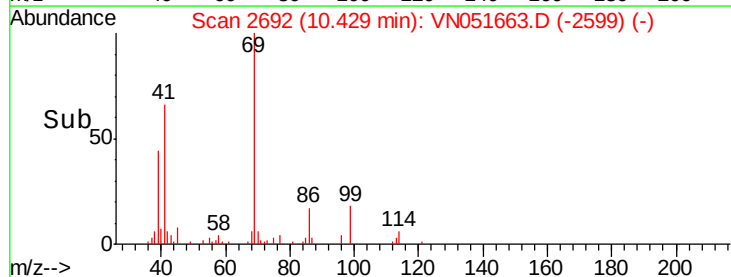
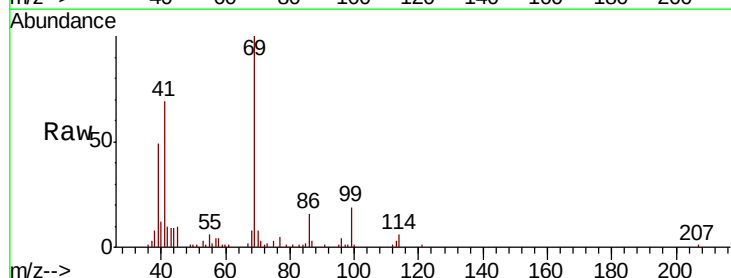
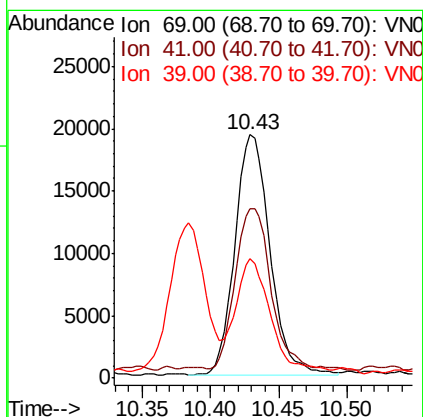
Manual Integrations
 APPROVED

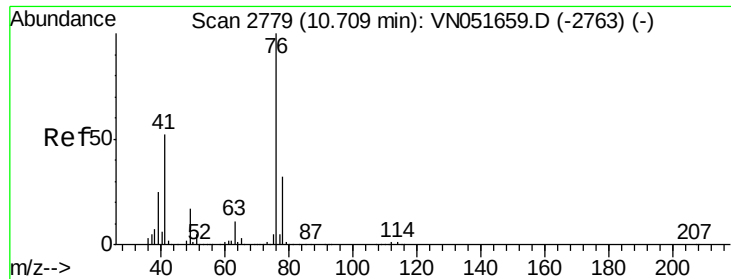
MMDadoda
 10/8/2018 1:53:11 PM



#56
 Ethyl methacrylate
 Concen: 4.670 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion:	69	Resp:	34417
Ion	Ratio	Lower	Upper
69	100		
41	67.1	46.4	69.6
39	48.2	32.4	48.6





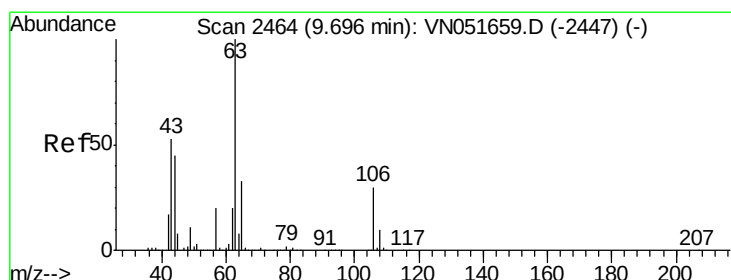
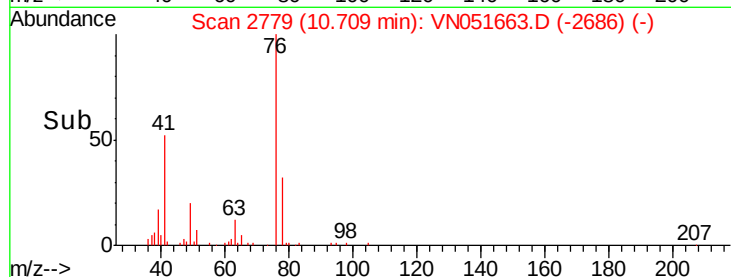
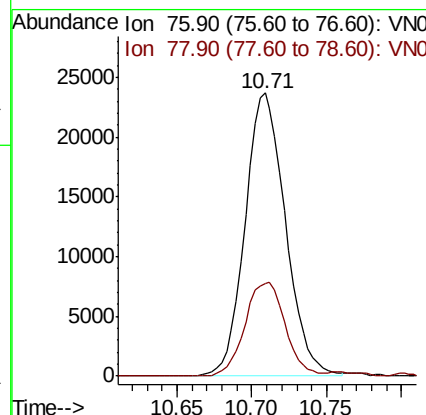
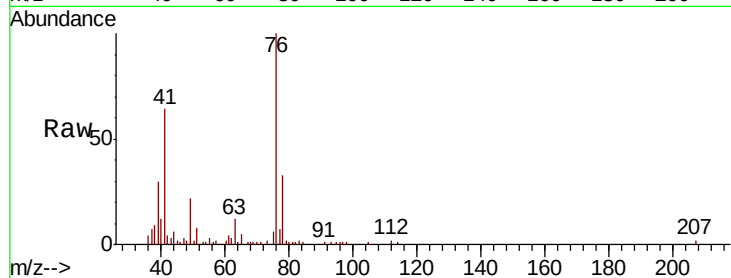
#57
 1,3-Dichloropropane
 Concen: 4.834 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

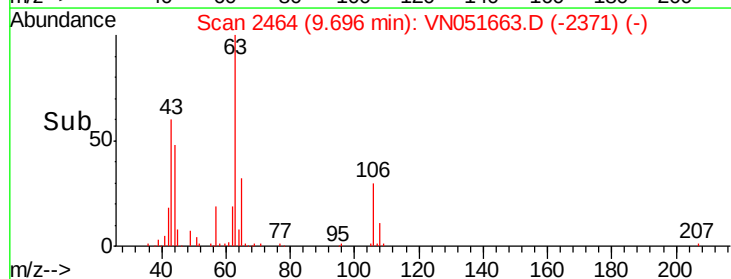
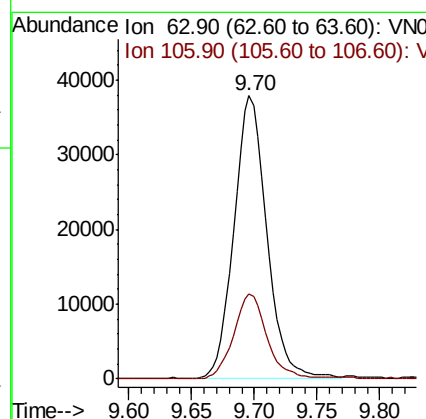
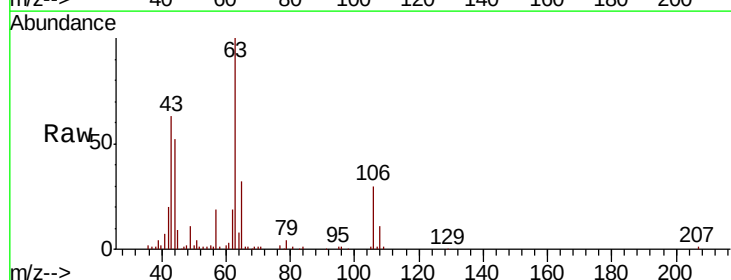
Manual Integrations
 APPROVED

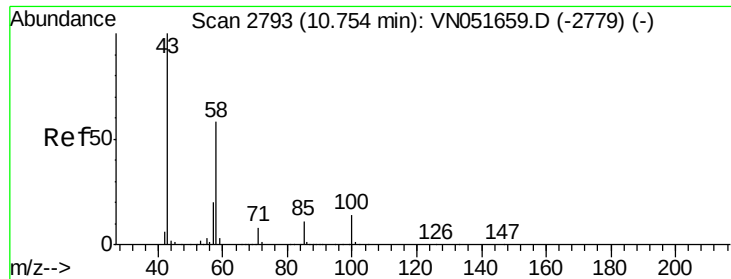
MMDadoda
 10/8/2018 1:53:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.681 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.7	24.3	36.5





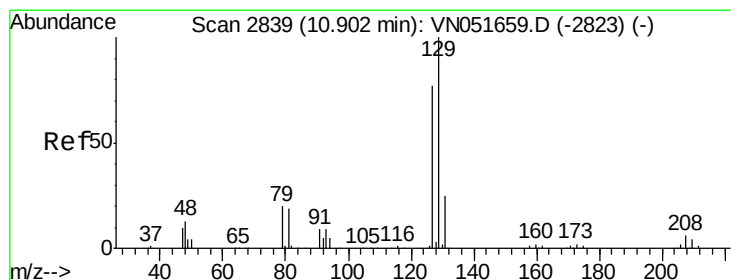
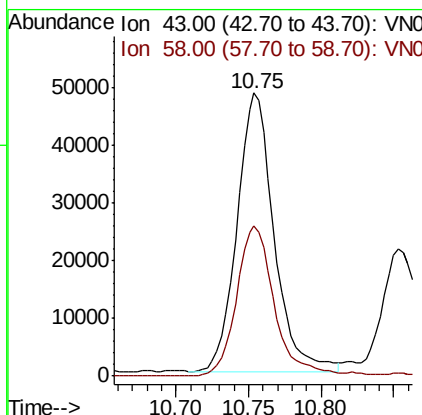
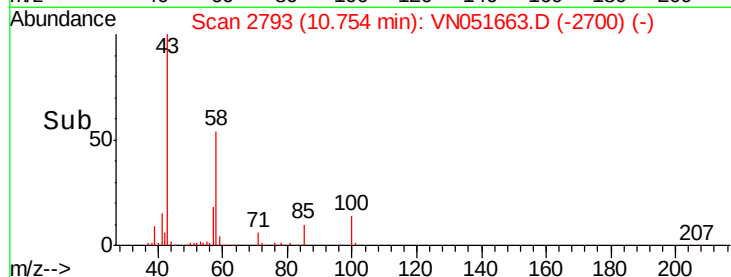
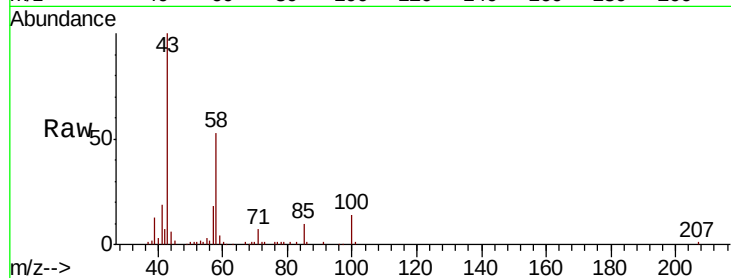
#59
2-Hexanone
Concen: 27.503 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 85391
Ion Ratio Lower Upper
43 100
58 54.7 28.8 86.4

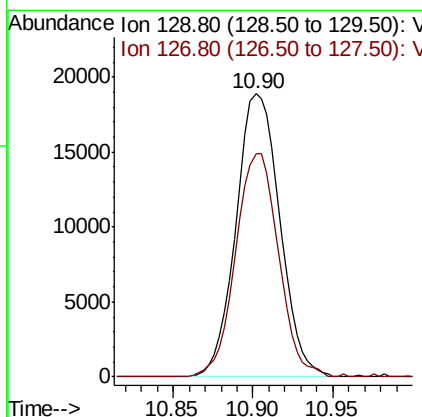
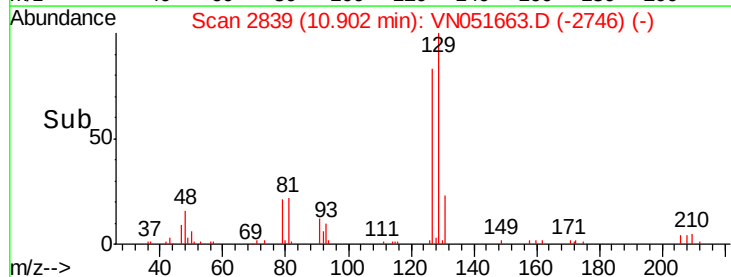
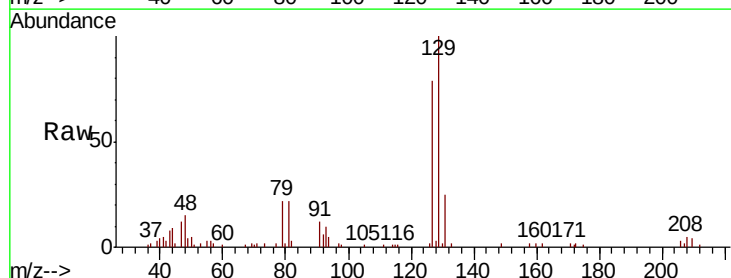
Manual Integrations
APPROVED

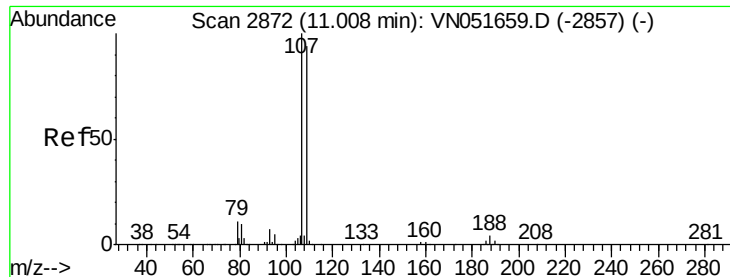
MMDadoda
10/8/2018 1:53:11 PM



#60
Dibromochloromethane
Concen: 4.633 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion: 129 Resp: 35334
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7





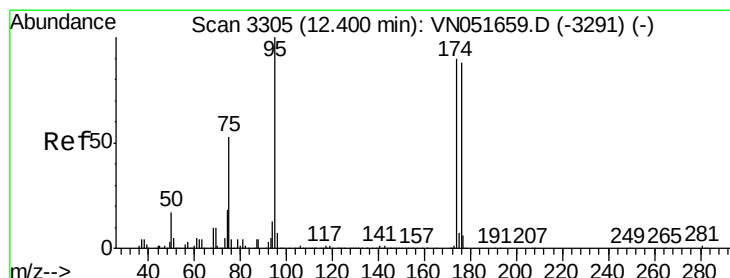
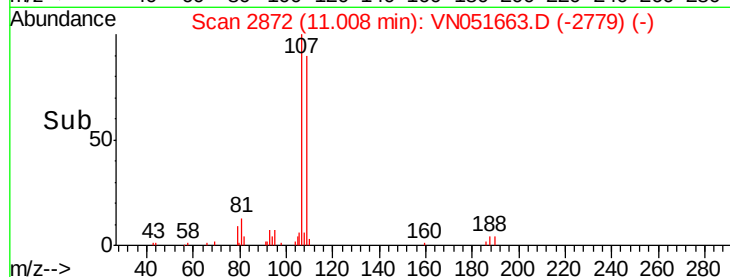
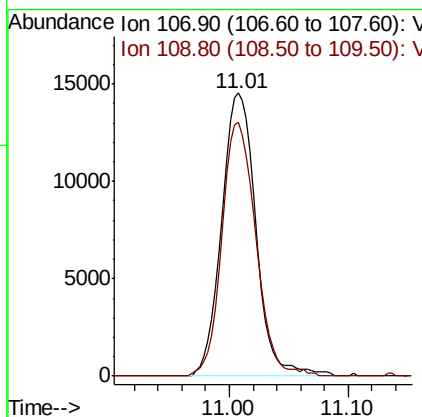
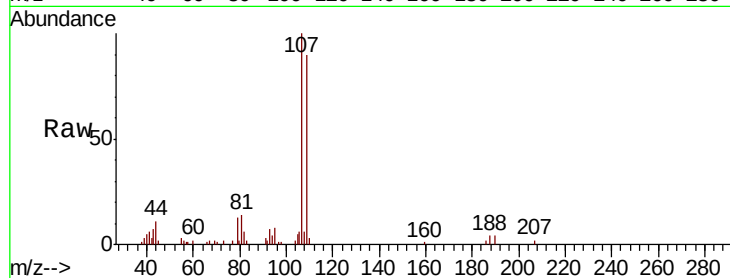
#61
 1,2-Dibromoethane
 Concen: 4.717 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.9	75.4	113.0

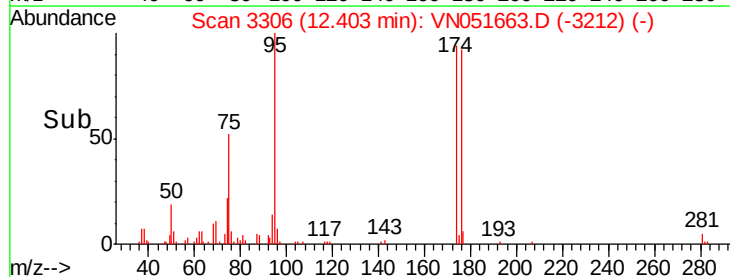
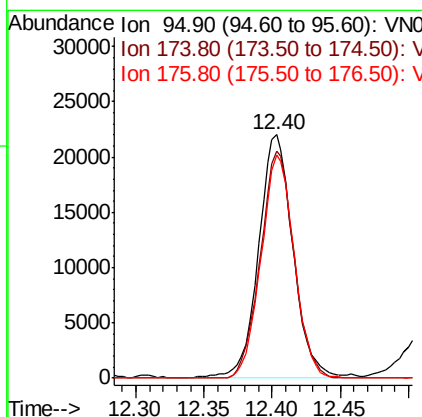
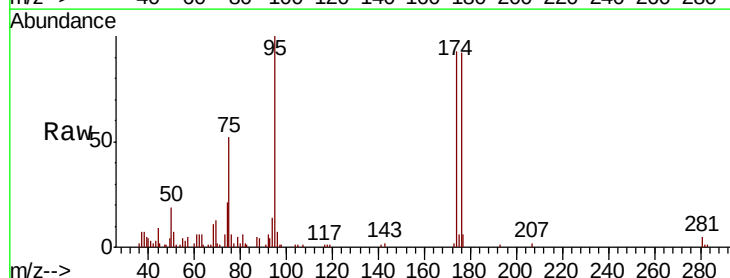
Manual Integrations
 APPROVED

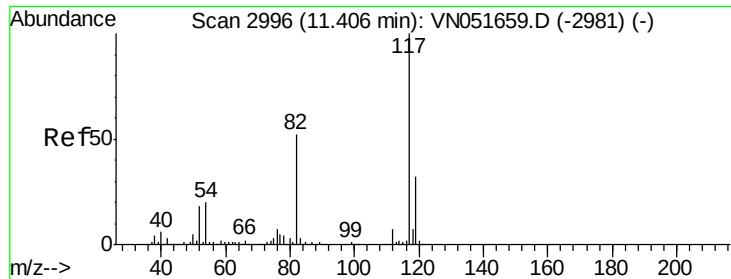
MMDadoda
 10/8/2018 1:53:11 PM



#62
 4-Bromofluorobenzene
 Concen: 4.717 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	182.8
176	88.0	0.0	176.4





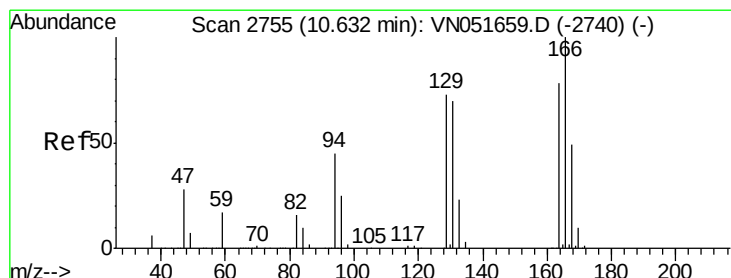
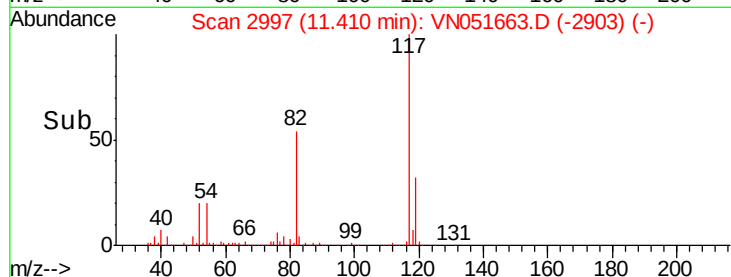
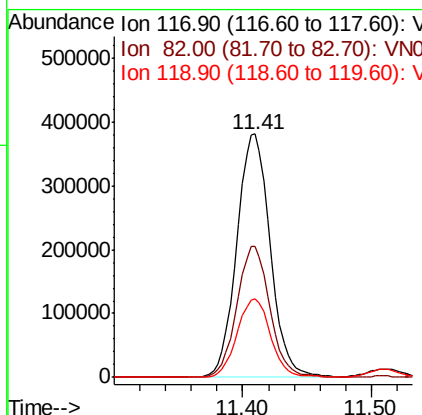
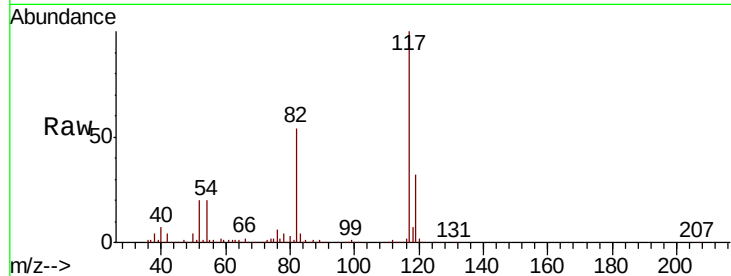
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	688030		
82	53.6		41.3	61.9
119	32.3		25.9	38.9

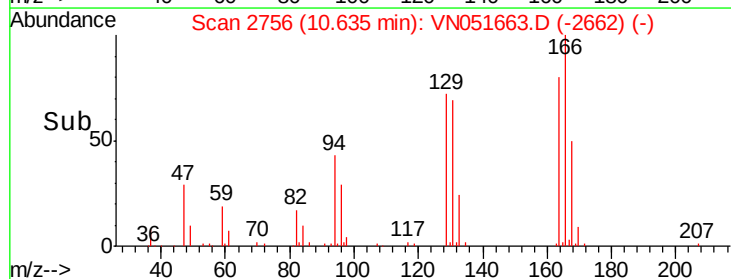
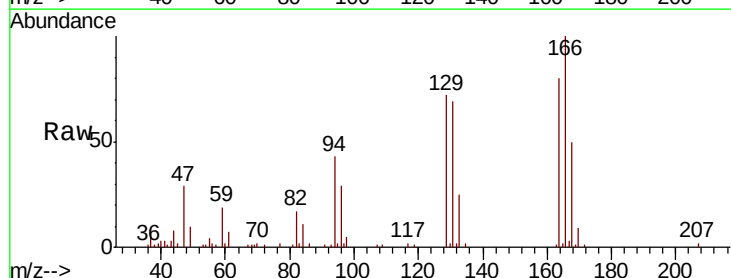
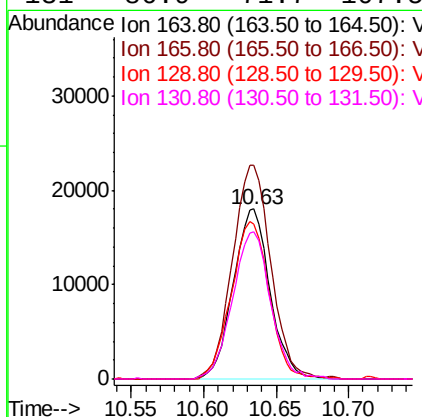
Manual Integrations
APPROVED

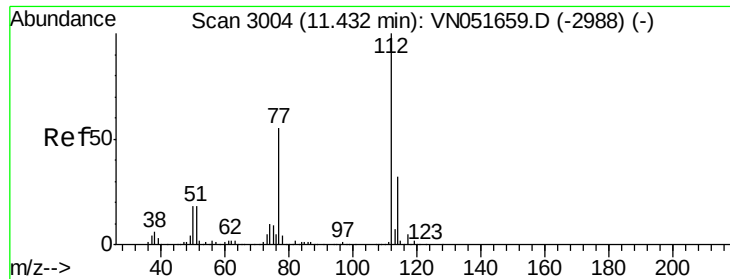
MMDadoda
10/8/2018 1:53:11 PM



#64
Tetrachloroethene
Concen: 5.231 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31751		
166	125.7		103.0	154.6
129	90.9		75.2	112.8
131	86.9		71.7	107.5





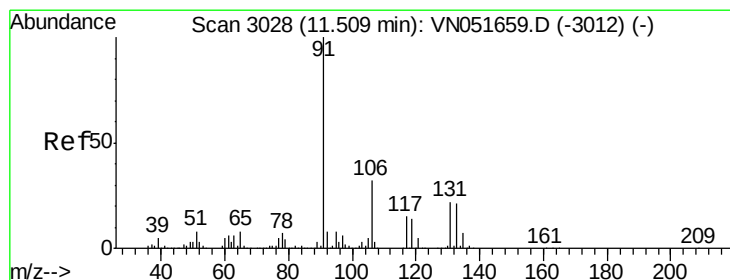
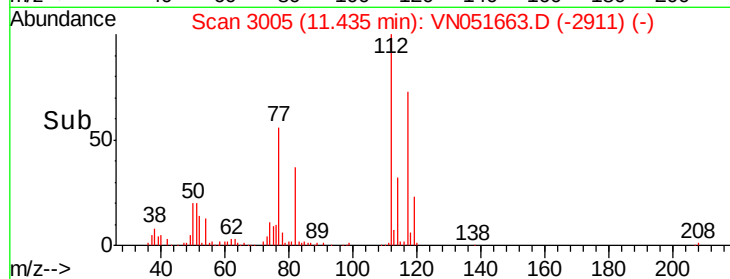
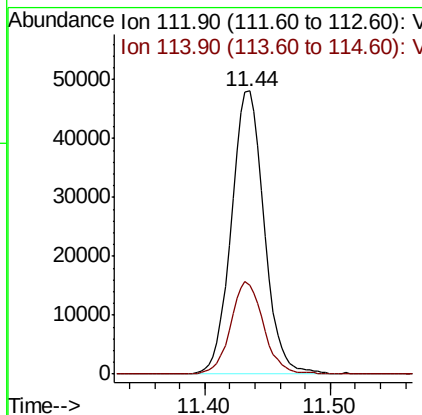
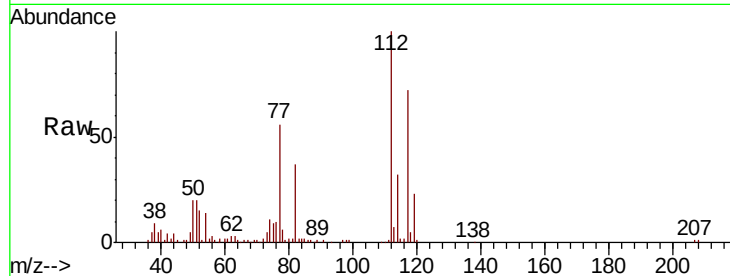
#65
Chlorobenzene
Concen: 5.131 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:112 Resp: 87425
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

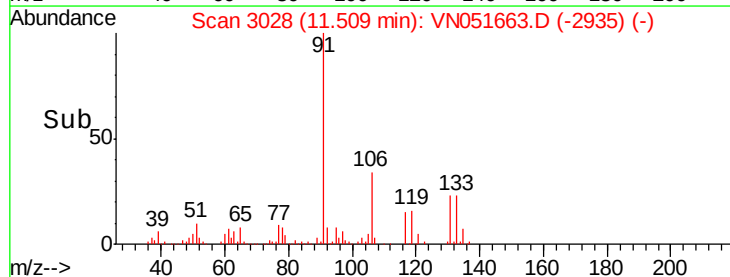
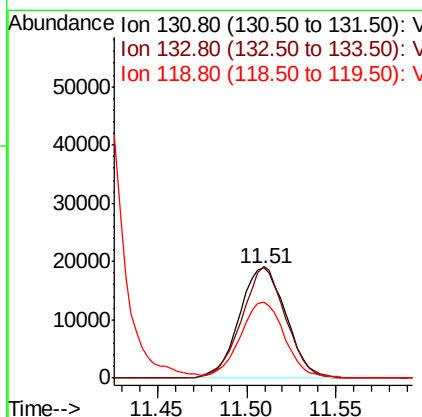
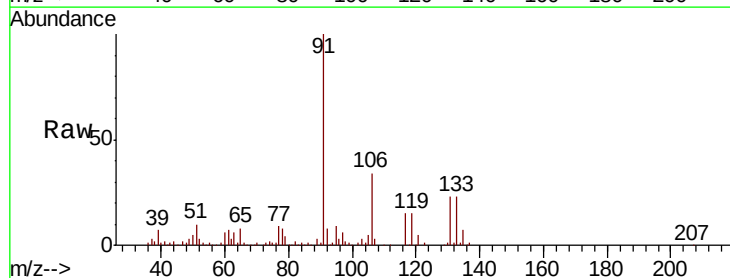
Manual Integrations
APPROVED

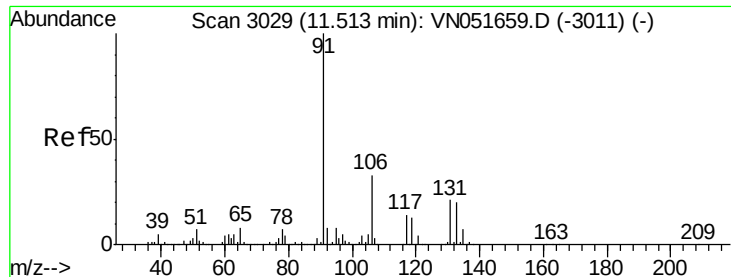
MMDadoda
10/8/2018 1:53:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.072 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion:131 Resp: 34609
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 66.4 32.0 96.0





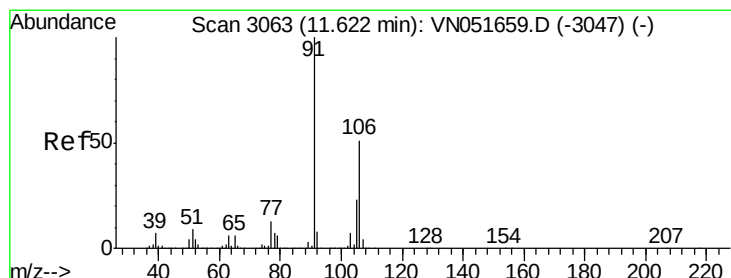
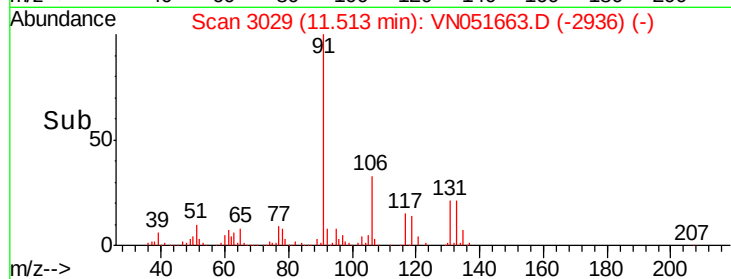
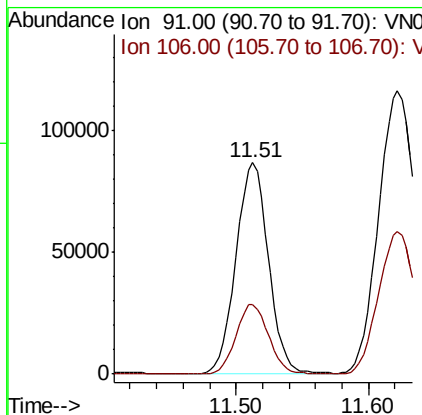
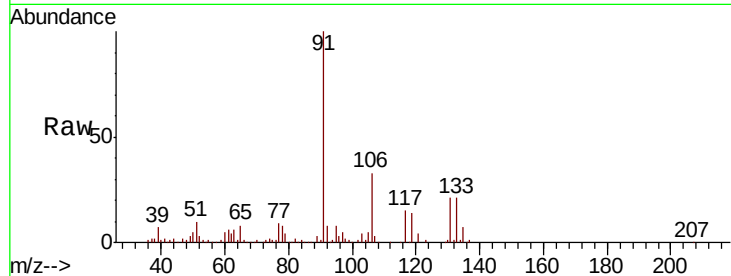
#67
Ethyl Benzene
Concen: 5.008 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 147495
Ion Ratio Lower Upper
91 100
106 32.9 26.0 39.0

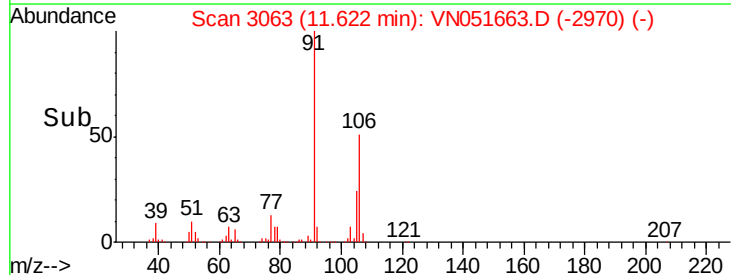
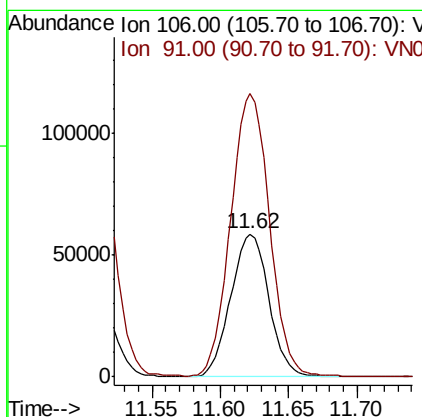
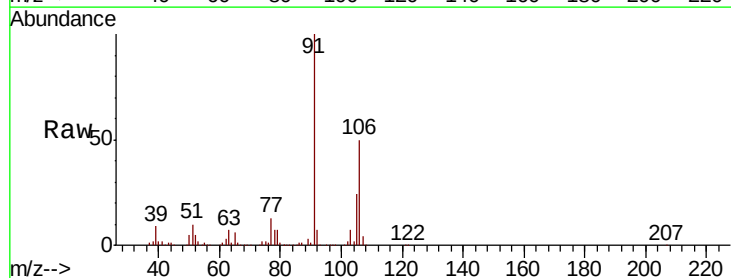
Manual Integrations
APPROVED

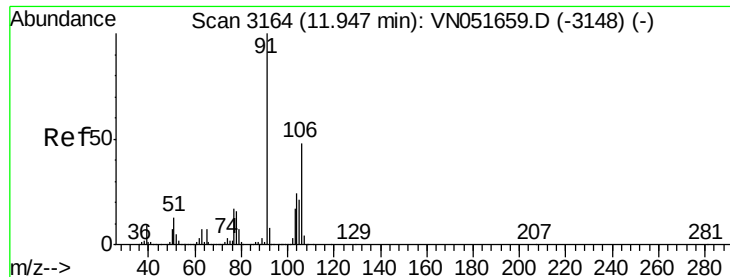
MMDadoda
10/8/2018 1:53:11 PM



#68
m/p-Xylenes
Concen: 9.664 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion: 106 Resp: 113890
Ion Ratio Lower Upper
106 100
91 200.6 158.4 237.6





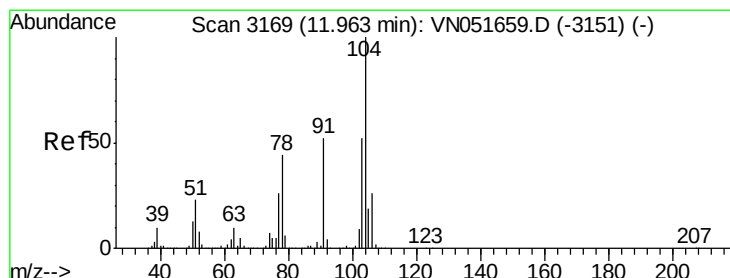
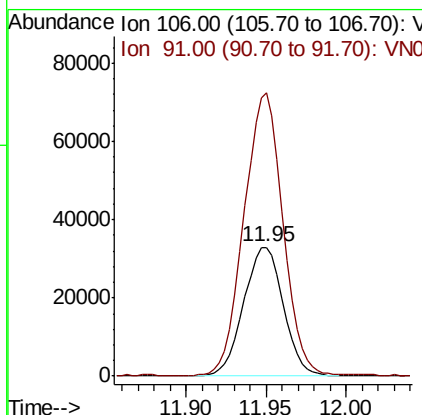
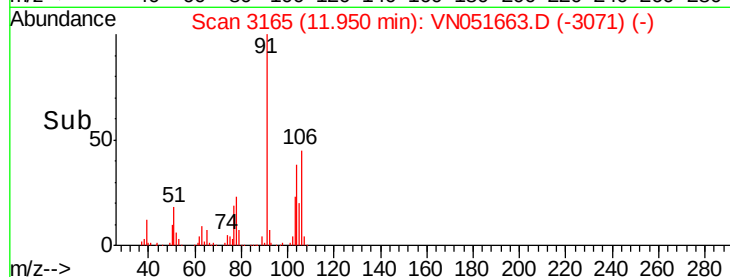
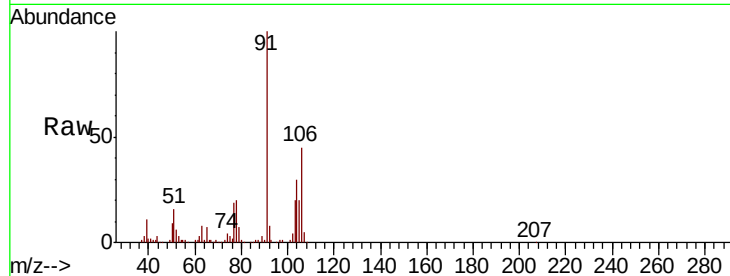
#69
o-Xylene
Concen: 4.839 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 55922
Ion Ratio Lower Upper
106 100
91 217.7 104.4 313.2

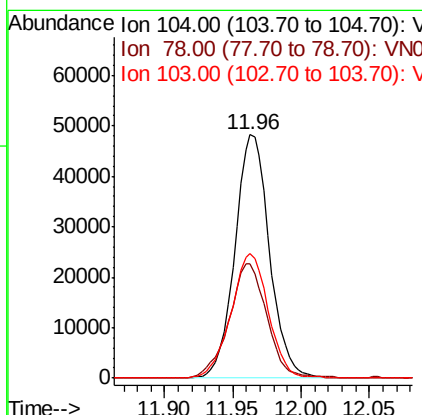
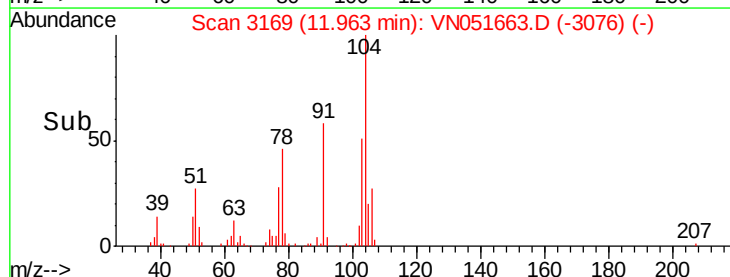
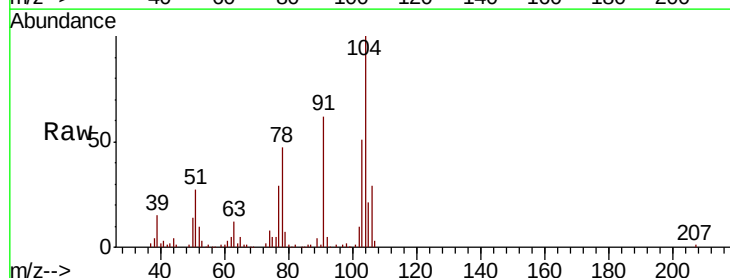
Manual Integrations
APPROVED

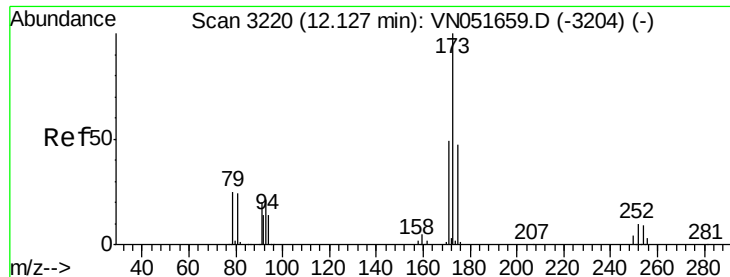
MMDadoda
10/8/2018 1:53:11 PM



#70
Styrene
Concen: 4.609 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion:104 Resp: 84880
Ion Ratio Lower Upper
104 100
78 51.5 39.3 58.9
103 55.1 45.0 67.6





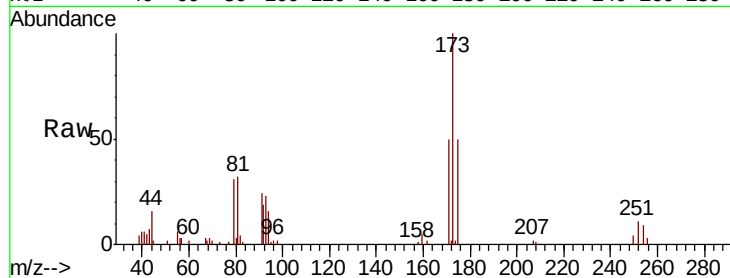
#71
Bromoform
Concen: 4.652 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.0	72.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM

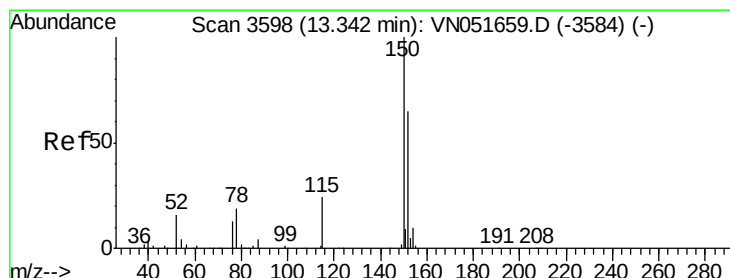
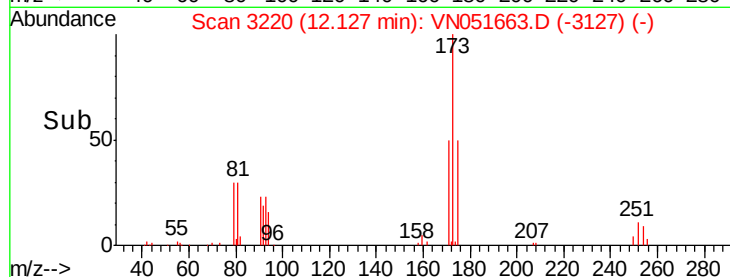
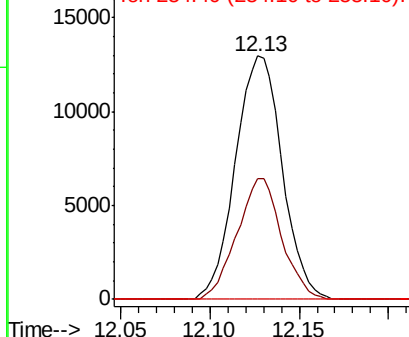


Abundance

Ion 172.70 (172.40 to 173.40): V

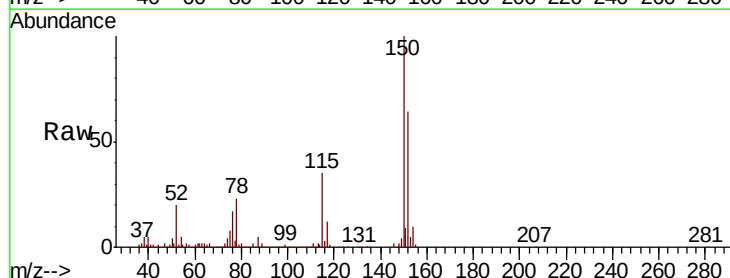
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.6	85.8
150	156.8	0.0	352.4

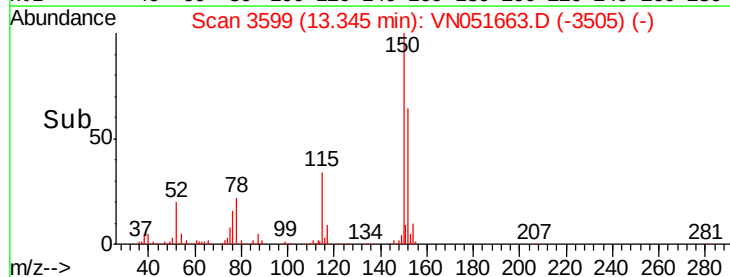
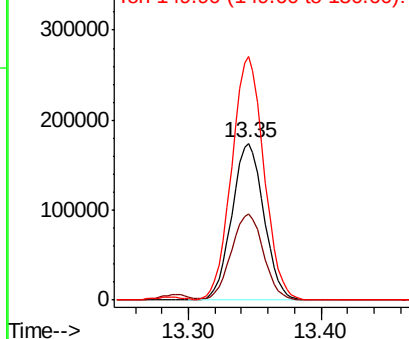


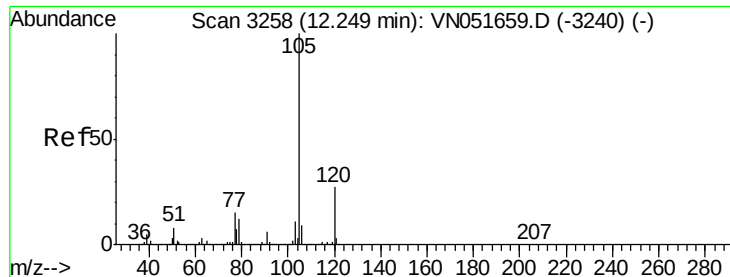
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





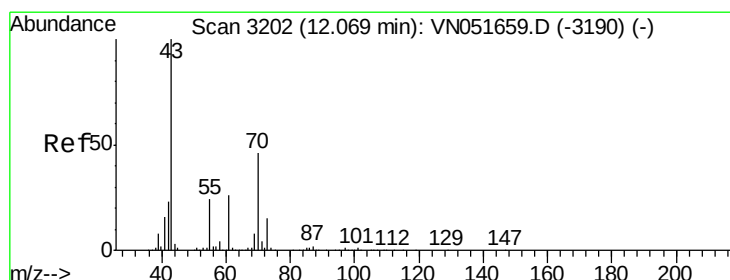
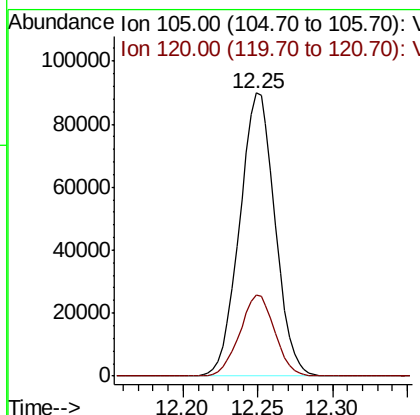
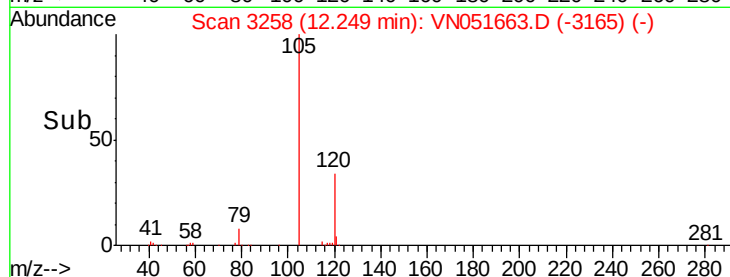
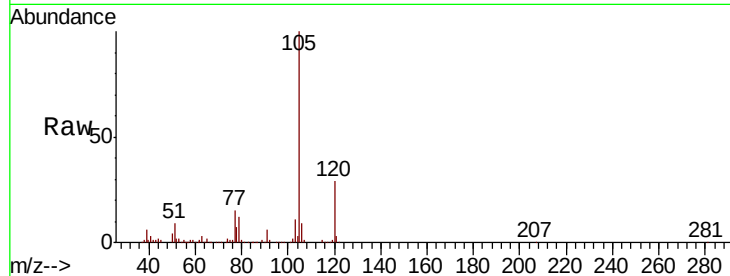
#73
Isopropylbenzene
Concen: 5.965 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.9	41.6

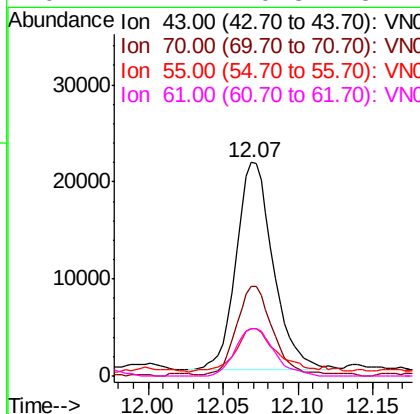
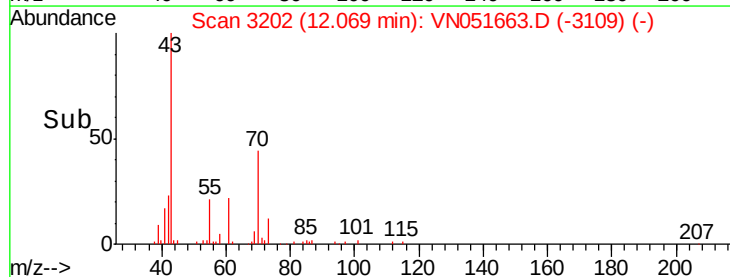
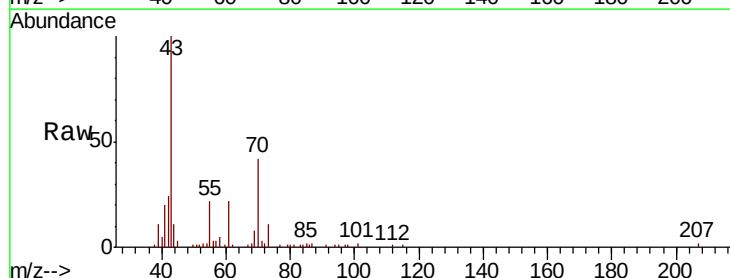
Manual Integrations
APPROVED

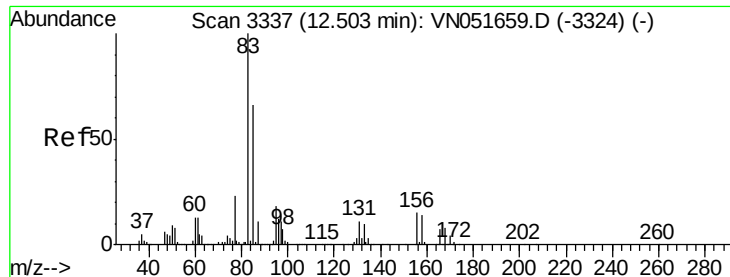
MMDadoda
10/8/2018 1:53:11 PM



#74
N-ethyl acetate
Concen: 6.522 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	37.1	55.7
55	22.3	19.1	28.7
61	24.1	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

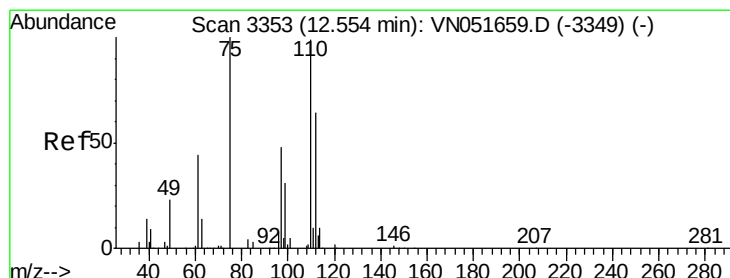
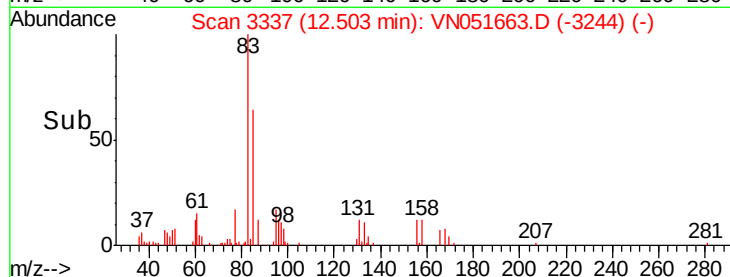
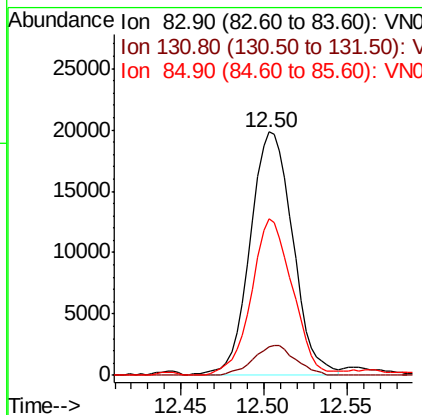
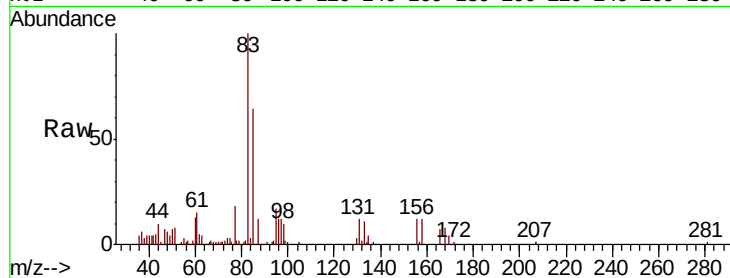
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	35415
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.1
85	61.6	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#76

1,2,3-Trichloropropane

Concen: 6.815 ug/l m

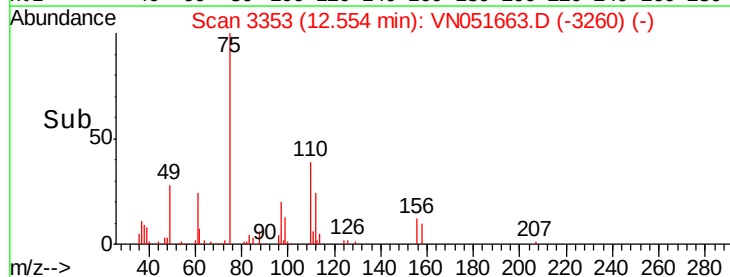
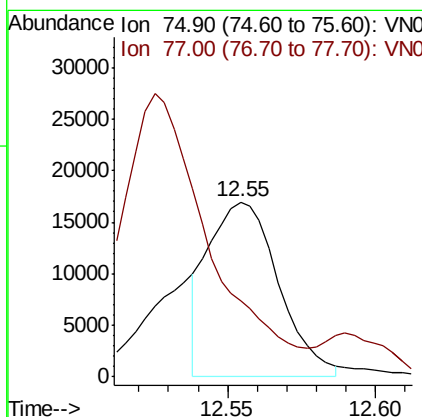
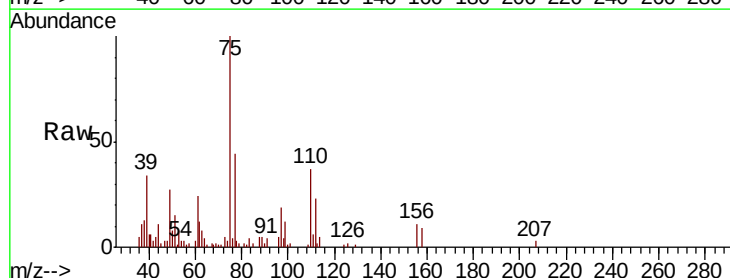
RT: 12.55 min Scan# 3353

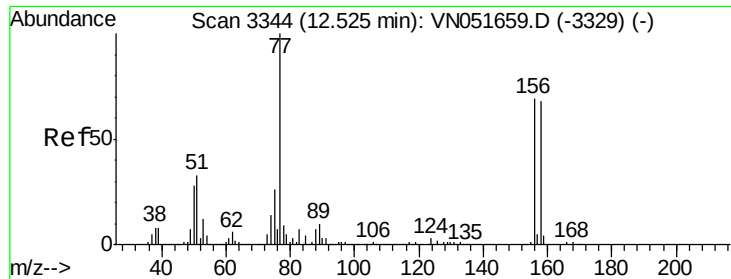
Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion:	75	Resp:	27854
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.918 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

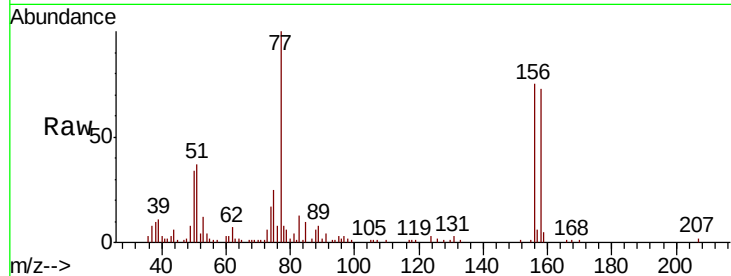
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.8	83.2	249.4
158	97.3	49.0	147.2

Manual Integrations
APPROVED

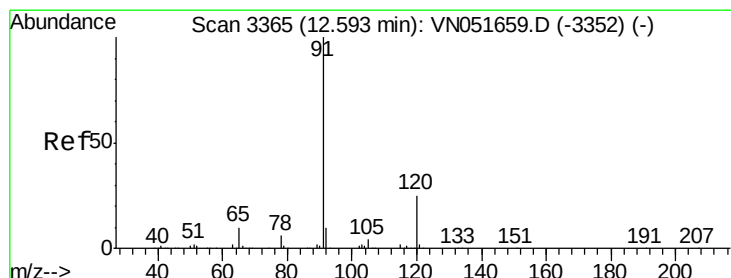
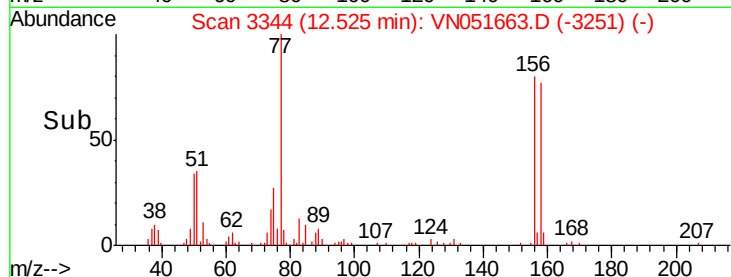
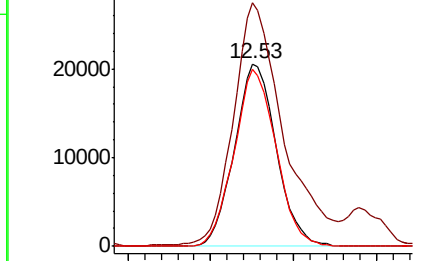
MMDadoda
10/8/2018 1:53:11 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.827 ug/l

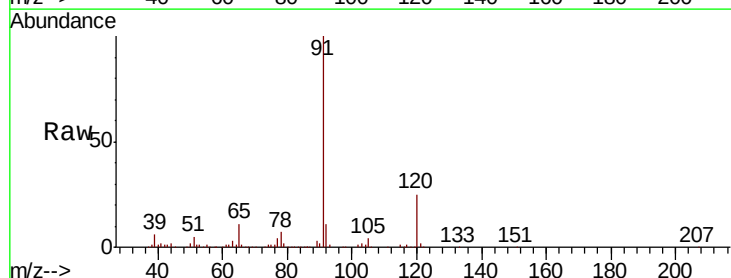
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051663.D

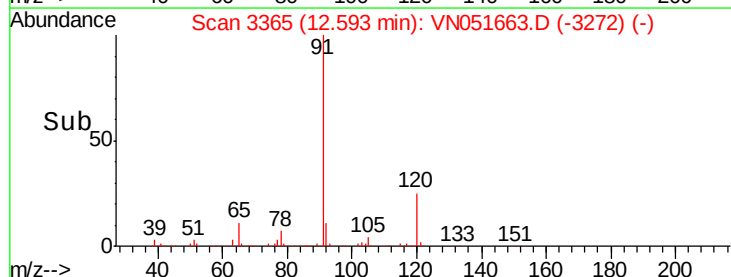
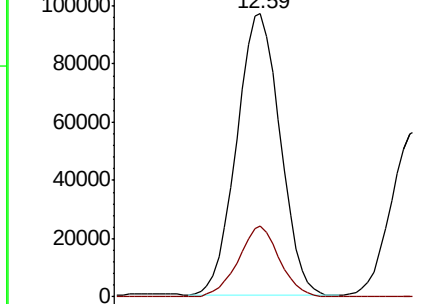
Acq: 4 Oct 2018 13:19

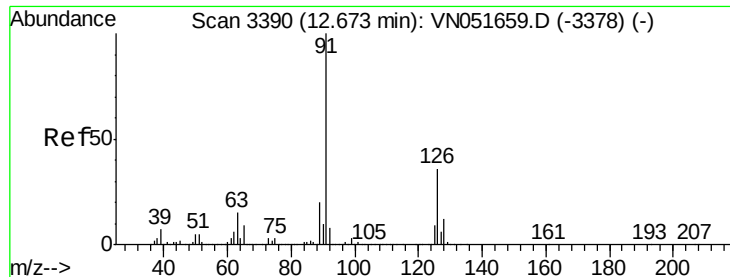
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.920 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 94536

Ion Ratio Lower Upper

91 100

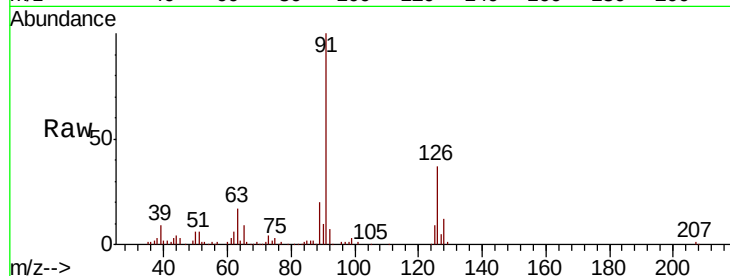
126 37.2 18.5 55.5

Manual Integrations

APPROVED

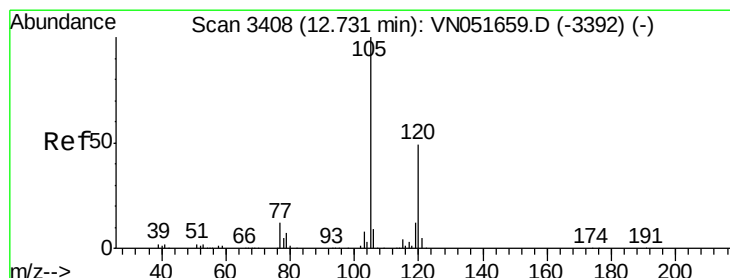
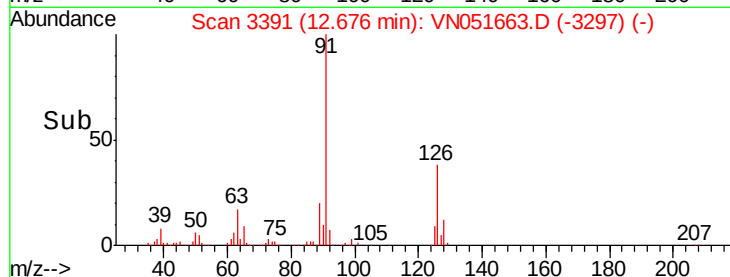
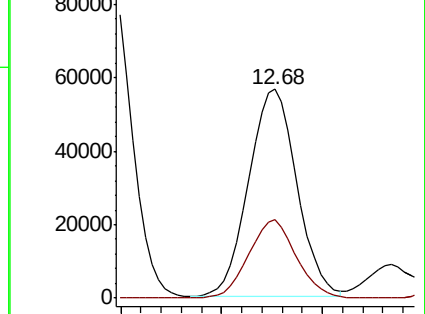
MMDadoda

10/8/2018 1:53:11 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051659.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.852 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051663.D

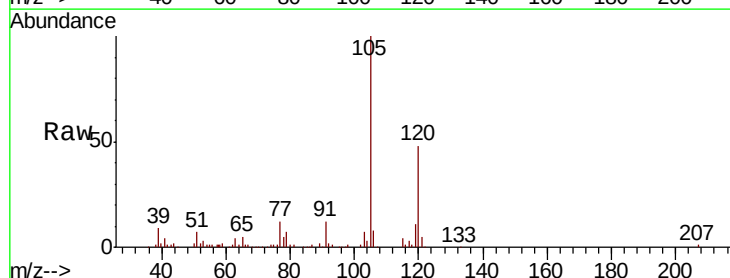
Acq: 4 Oct 2018 13:19

Tgt Ion: 105 Resp: 122513

Ion Ratio Lower Upper

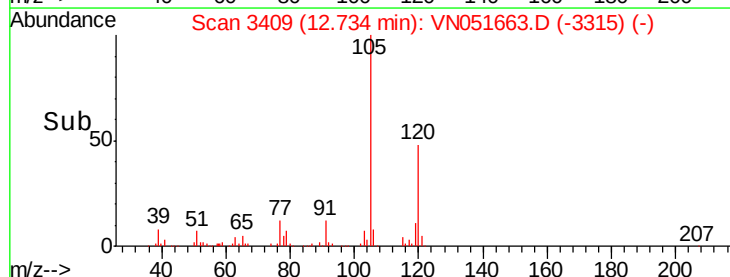
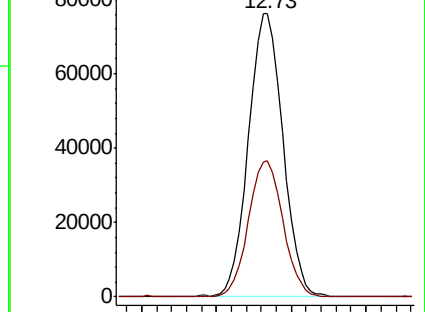
105 100

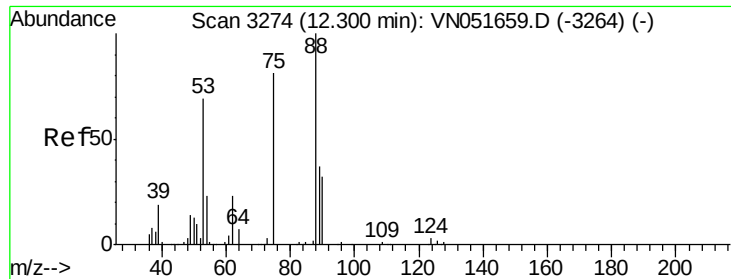
120 48.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)





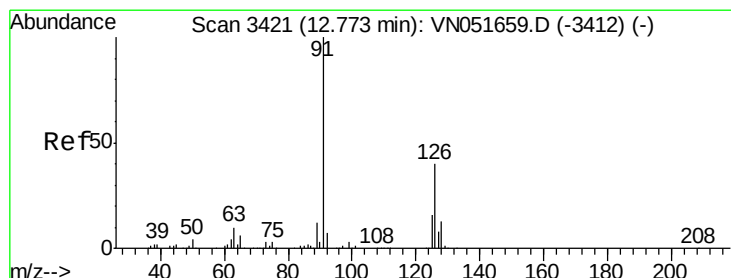
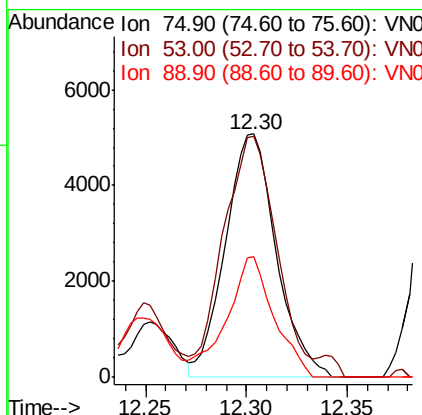
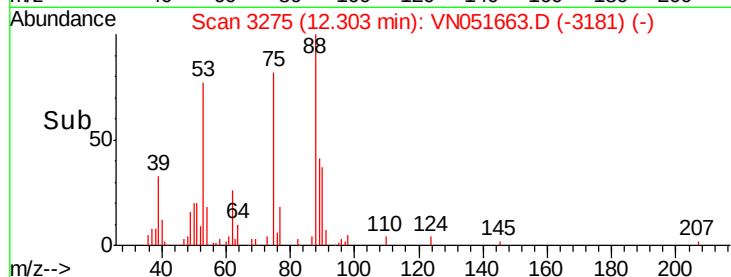
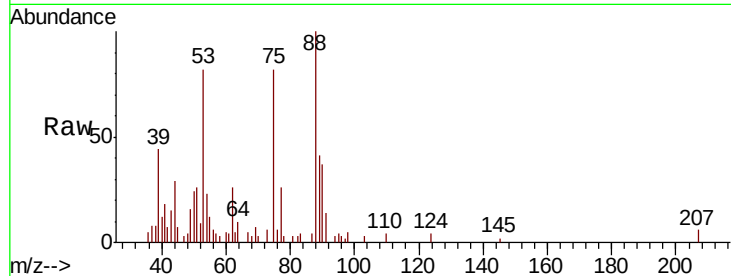
#81
trans-1,4-Dichloro-2-butene
Concen: 5.653 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	68.6	102.8
89	46.0	39.4	59.2

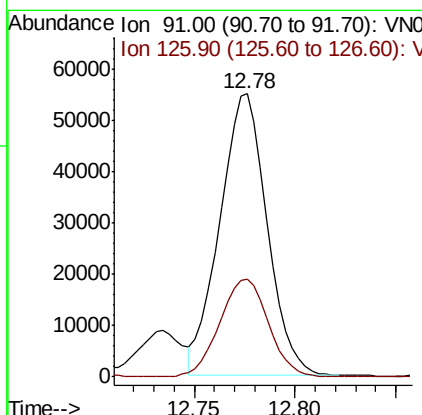
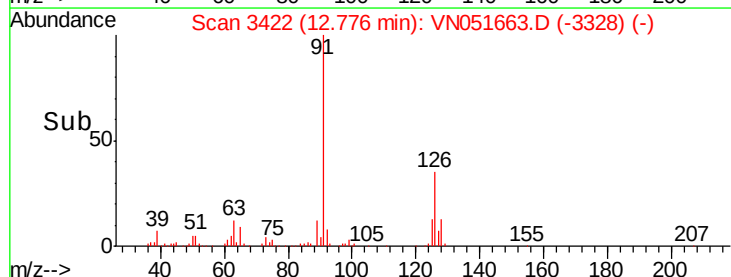
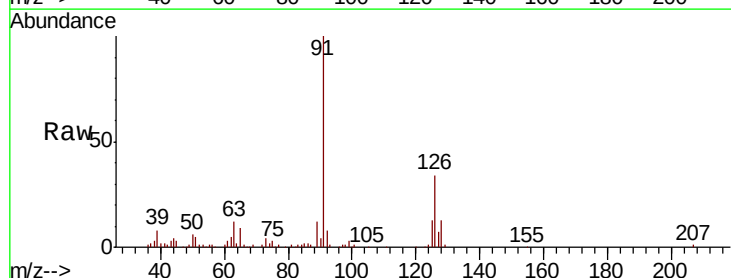
Manual Integrations
APPROVED

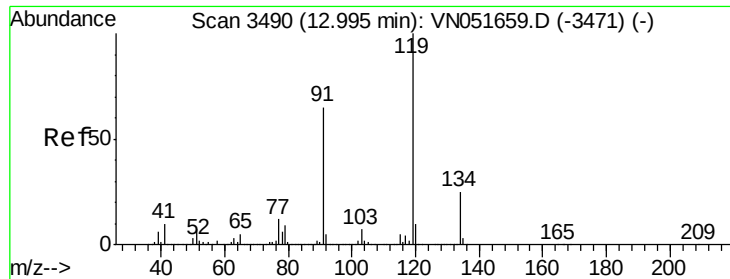
MMDadoda
10/8/2018 1:53:11 PM



#82
4-Chlorotoluene
Concen: 5.576 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.0	54.0





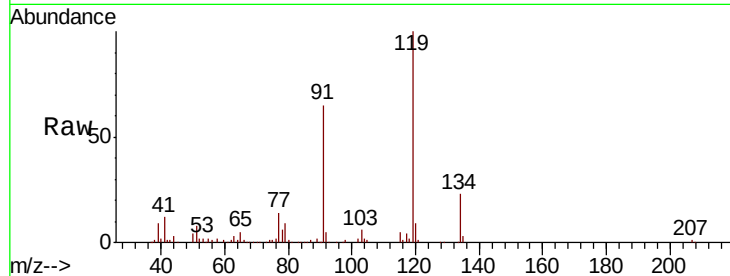
#83
tert-Butylbenzene
Concen: 6.095 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

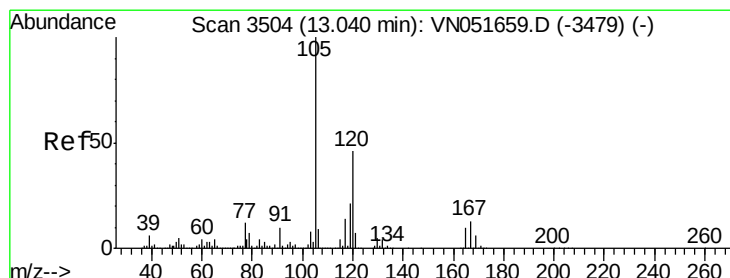
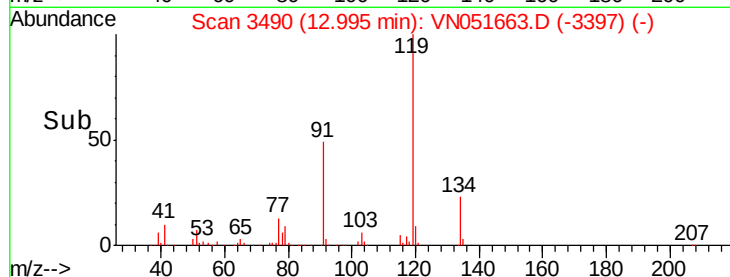
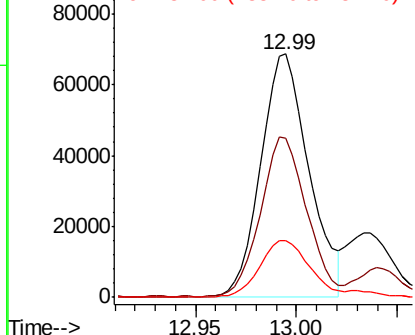
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	32.1	96.5
134	25.8	13.3	39.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM

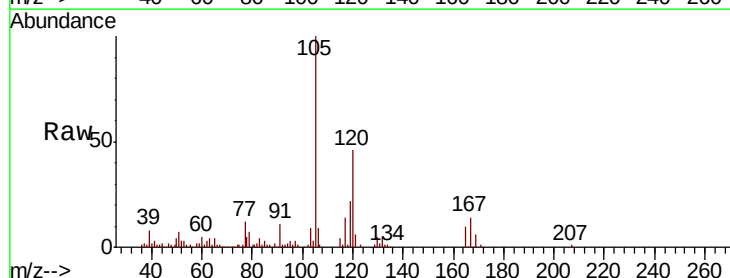


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

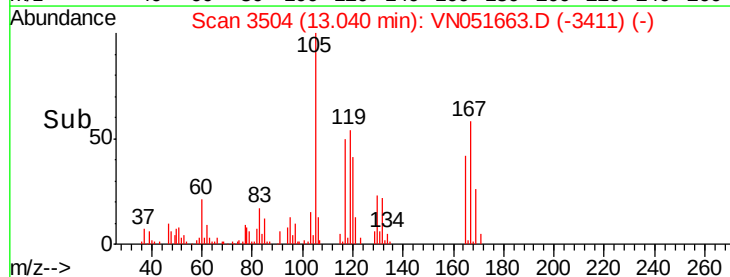
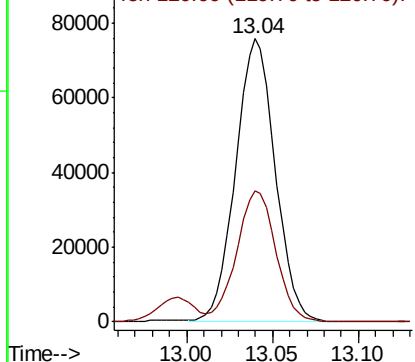


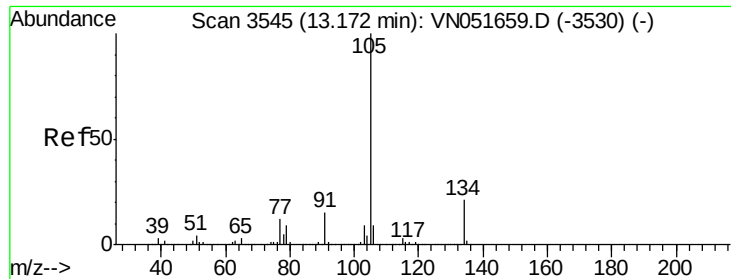
#84
1,2,4-Trimethylbenzene
Concen: 5.772 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.7



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





#85

sec-Butylbenzene

Concen: 5.725 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 142041

Ion Ratio Lower Upper

105 100

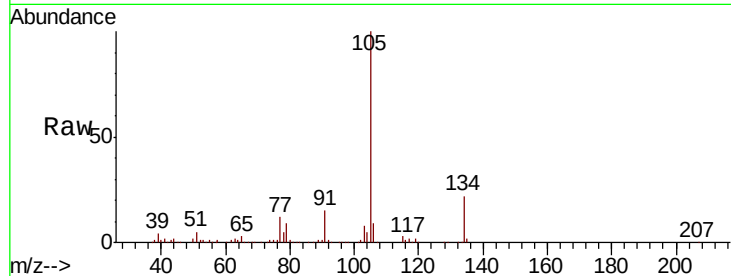
134 20.7 10.5 31.6

Manual Integrations

APPROVED

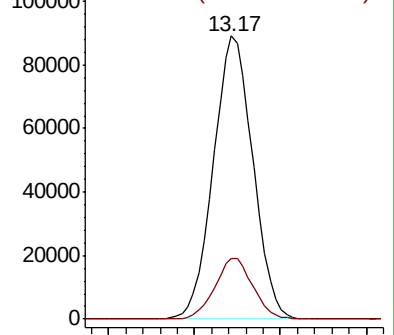
MMDadoda

10/8/2018 1:53:11 PM

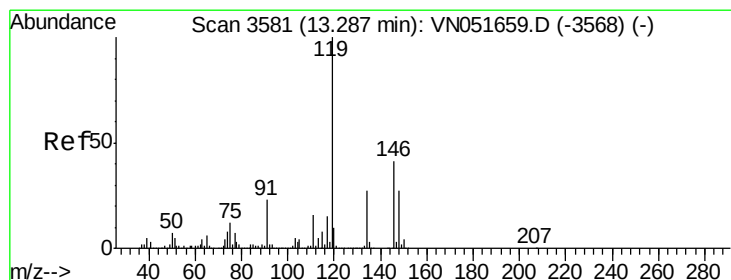
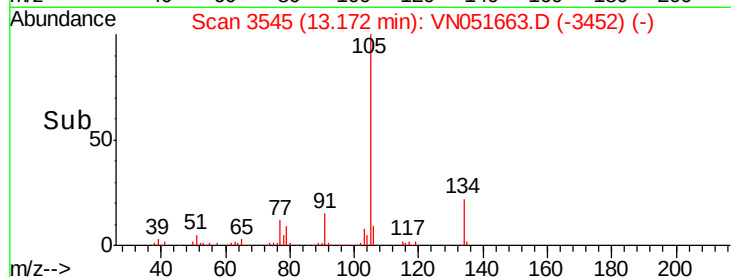


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 5.598 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

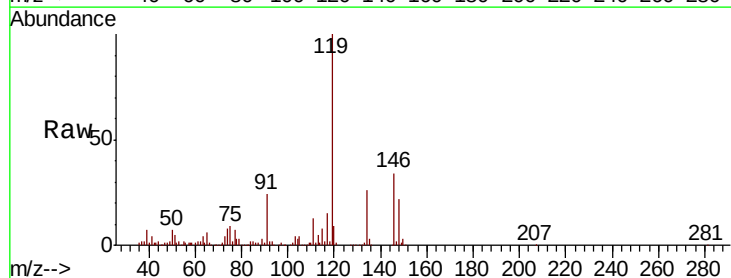
Tgt Ion:119 Resp: 123139

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

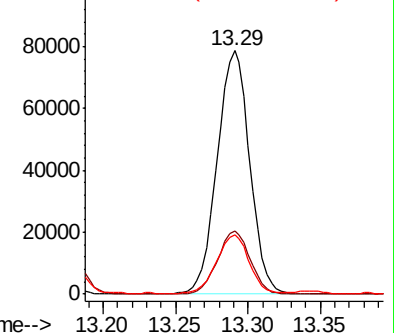
91 23.9 11.7 35.1



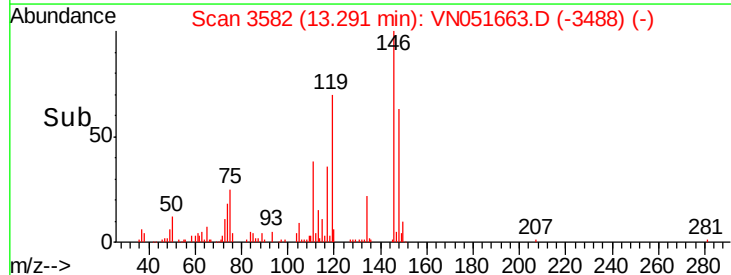
Abundance Ion 119.00 (118.70 to 119.70): V

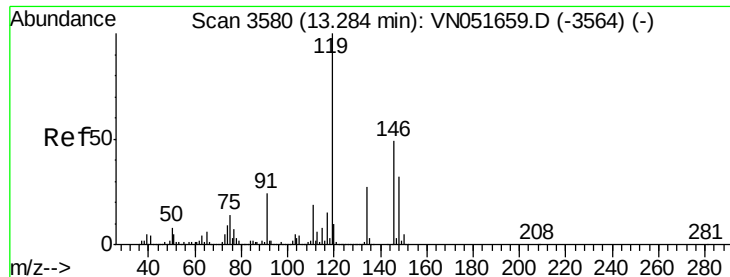
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 5.230 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051663.D

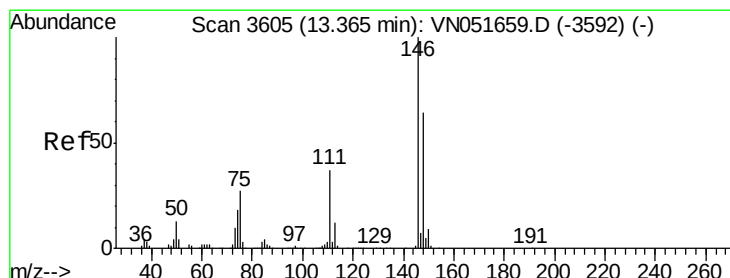
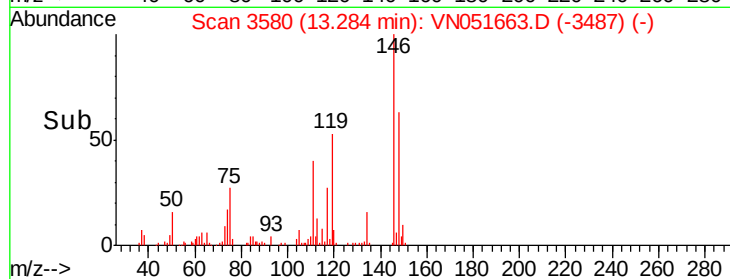
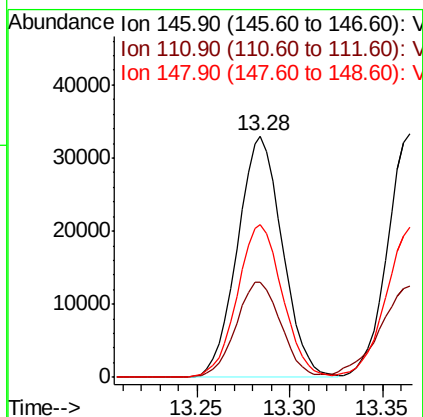
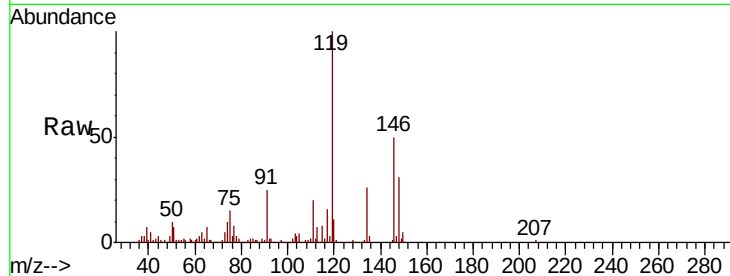
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.9
148	63.5	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#88

1,4-Dichlorobenzene

Concen: 5.333 ug/l

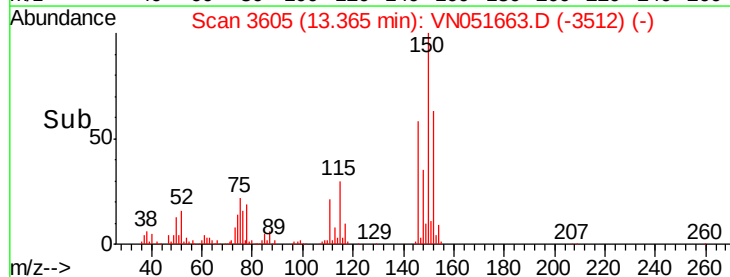
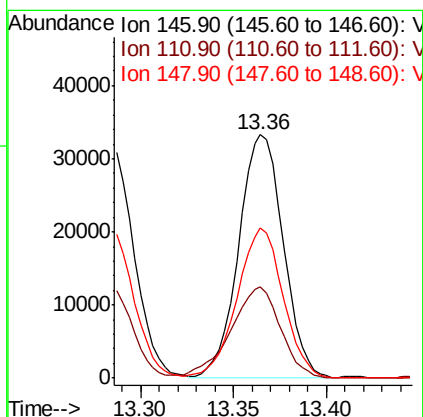
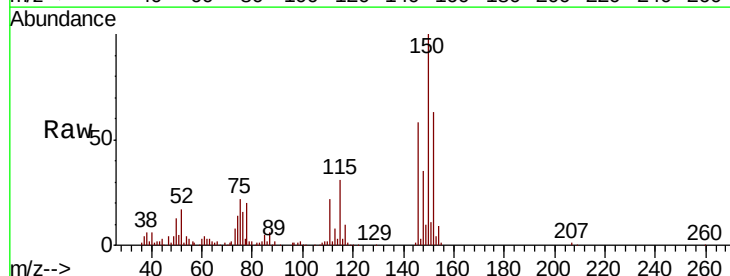
RT: 13.36 min Scan# 3605

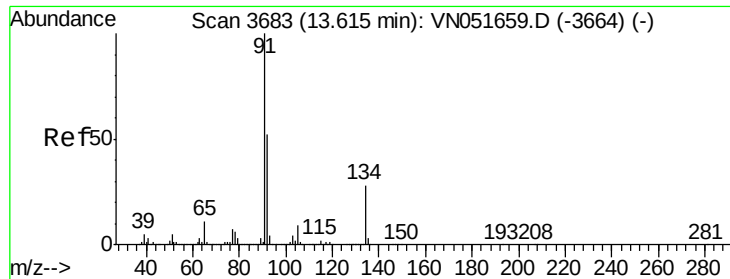
Delta R.T. -0.00 min

Lab File: VN051663.D

Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	18.6	55.8
148	63.9	32.3	96.8





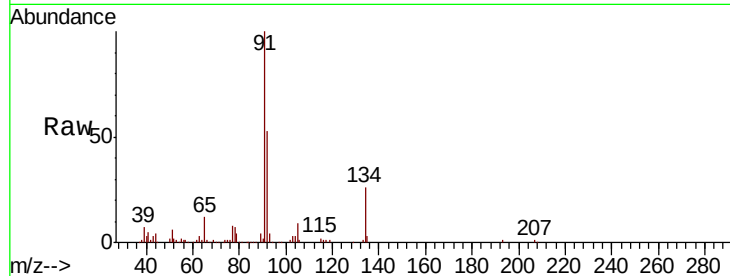
#89
n-Butylbenzene
Concen: 5.152 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	27.8	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM

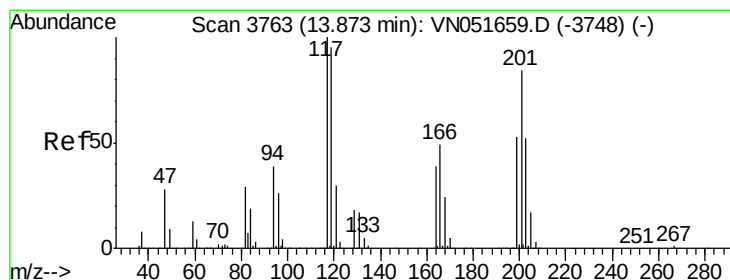
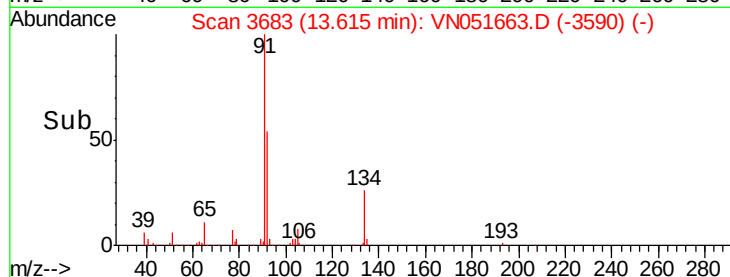
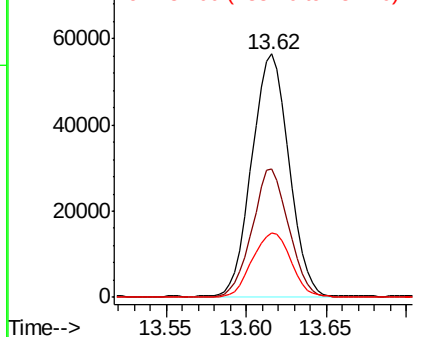


Abundance

Ion 91.00 (90.70 to 91.70): VN051659.D (-3664) (-)

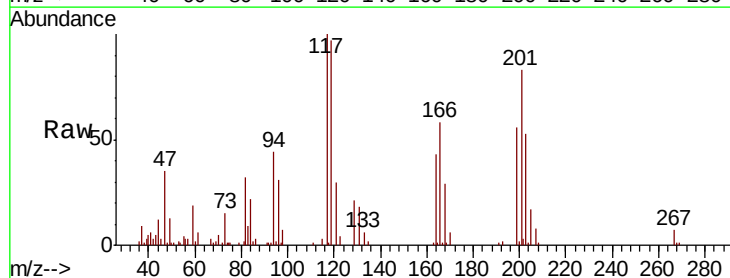
Ion 92.00 (91.70 to 92.70): VN051659.D (-3664) (-)

Ion 134.00 (133.70 to 134.70): VN051659.D (-3664) (-)



#90
Hexachloroethane
Concen: 5.782 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

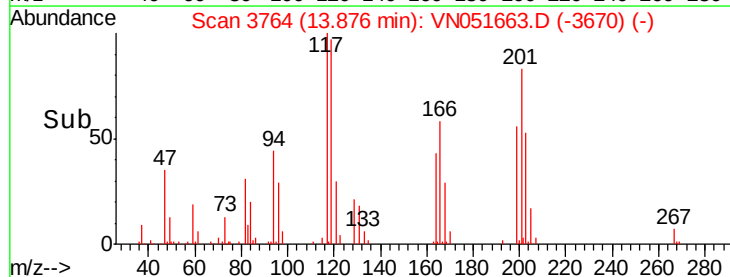
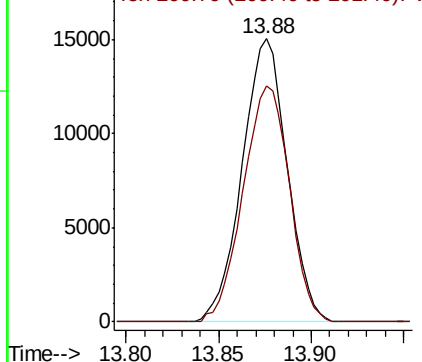
Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	42.4	127.3

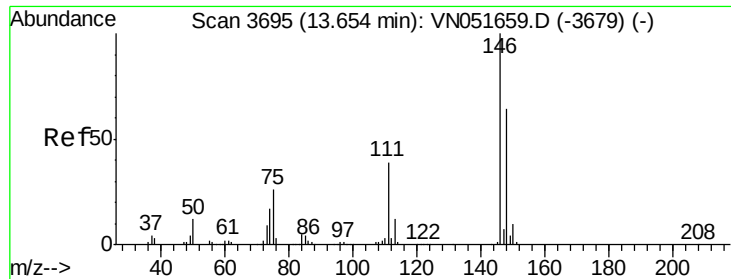


Abundance

Ion 116.80 (116.50 to 117.50): VN051659.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051659.D (-3748) (-)





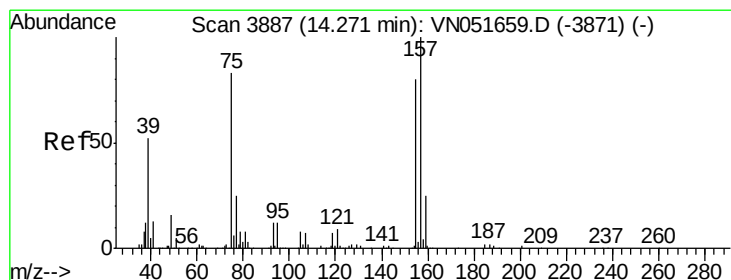
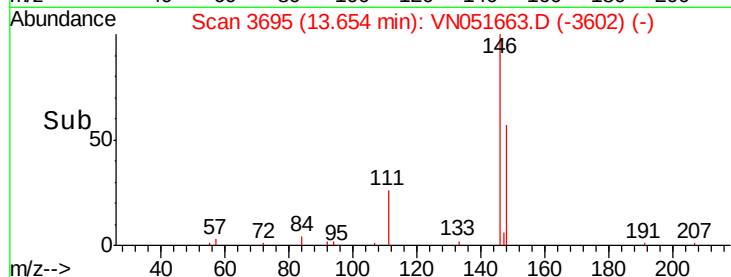
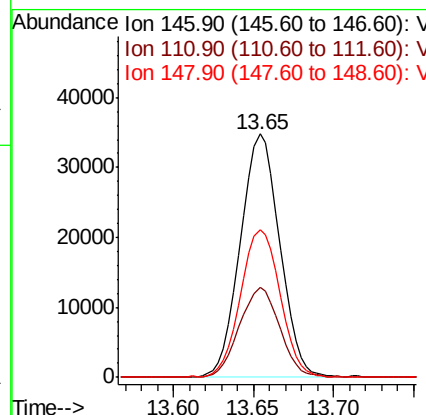
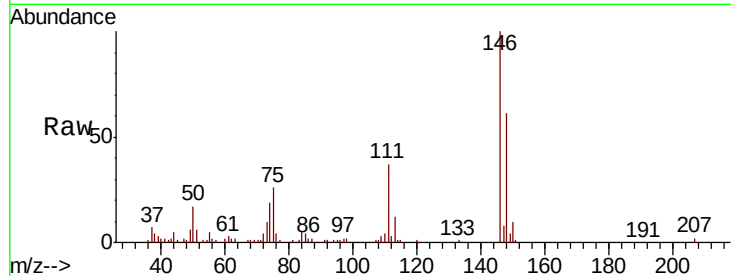
#91
 1,2-Dichlorobenzene
 Concen: 5.555 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.0
148	60.9	32.1	96.3

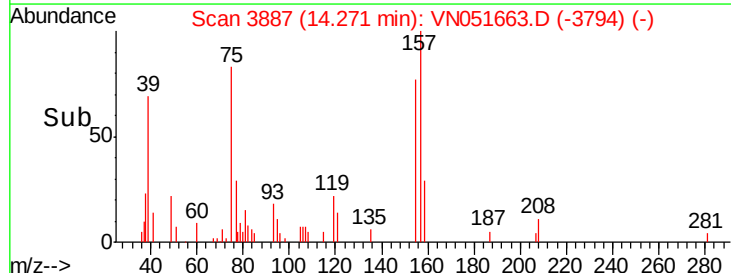
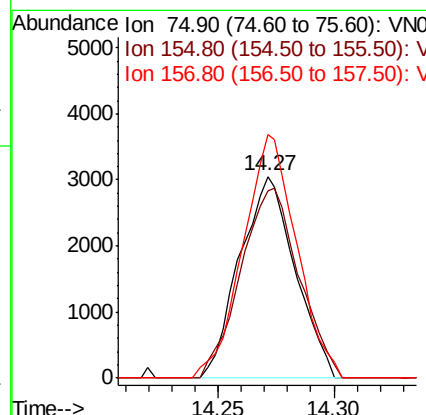
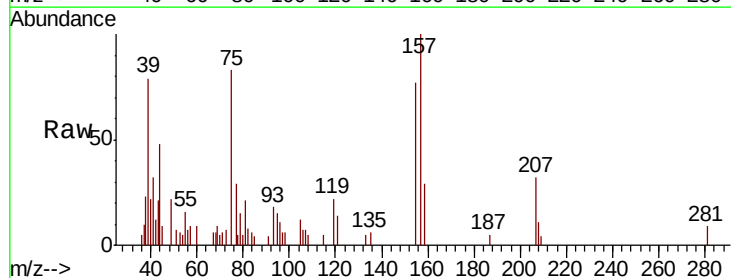
Manual Integrations
 APPROVED

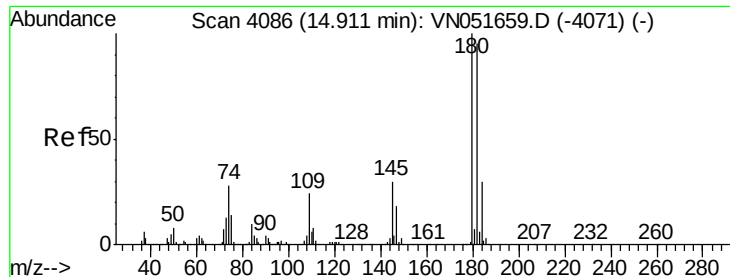
MMDadoda
 10/8/2018 1:53:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.807 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	47.6	142.9
157	116.4	61.7	185.1





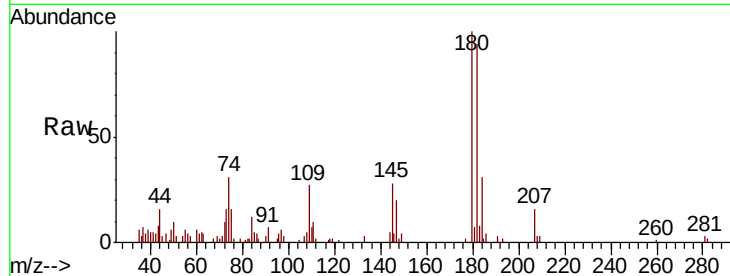
#93
 1,2,4-Trichlorobenzene
 Concen: 4.421 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	20696		
182	90.7		47.7	143.1
145	27.0		15.3	45.9

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:11 PM

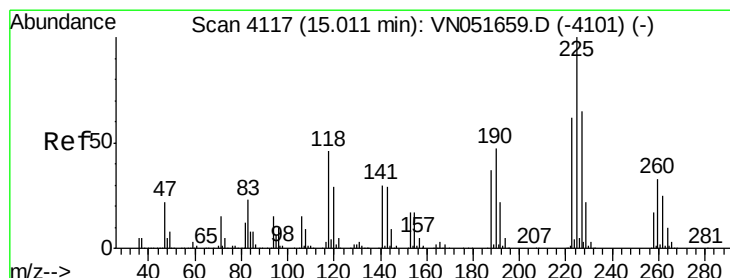
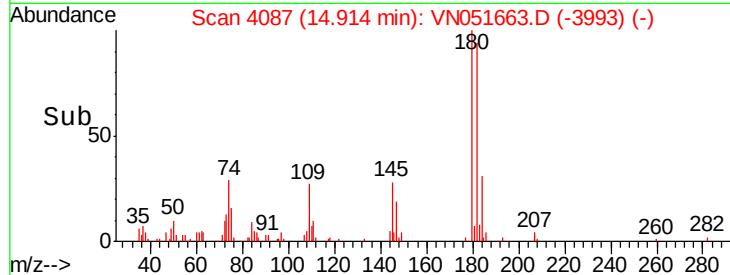
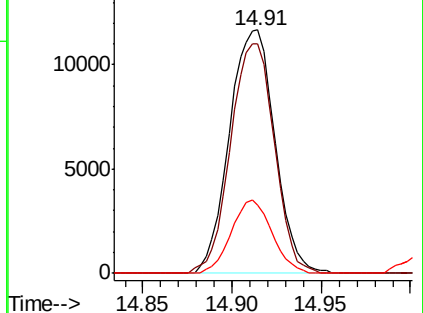


Abundance

Ion 179.80 (179.50 to 180.50): V

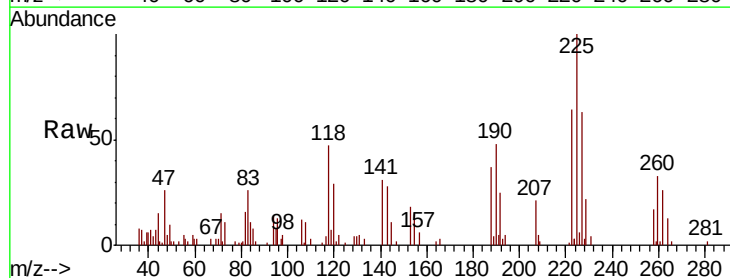
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.961 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051663.D
 Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18934		
223	68.5		31.9	95.5
227	63.3		31.7	95.1

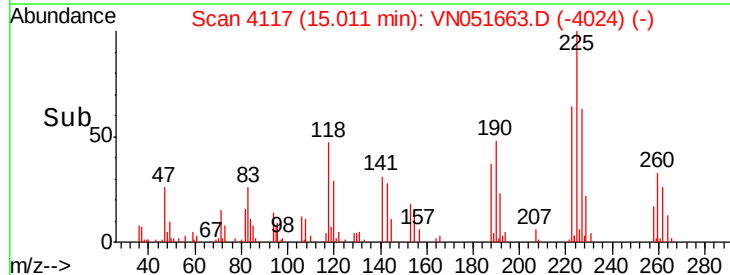
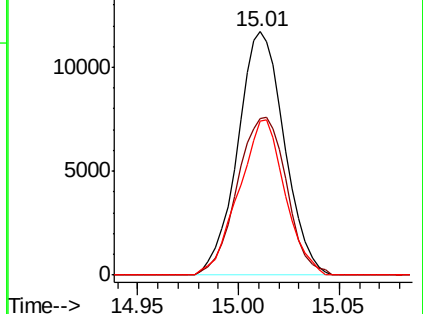


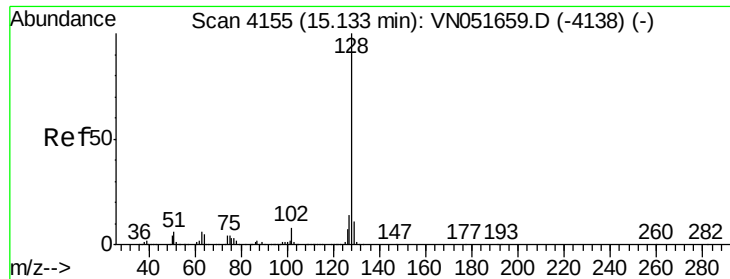
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





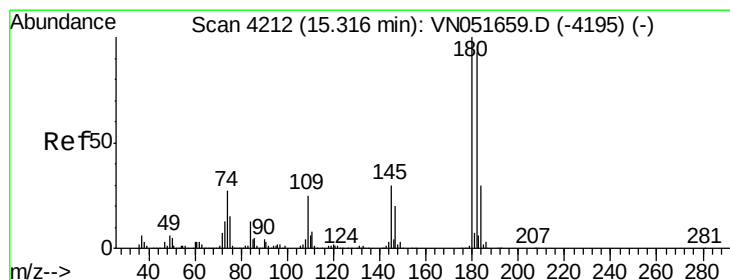
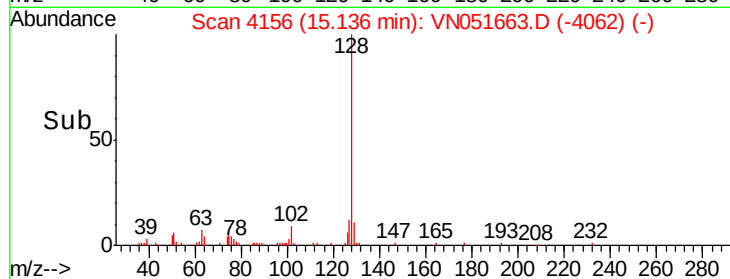
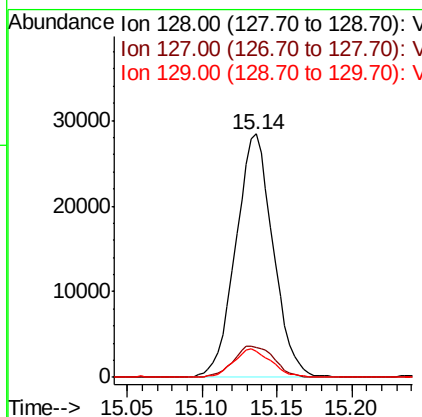
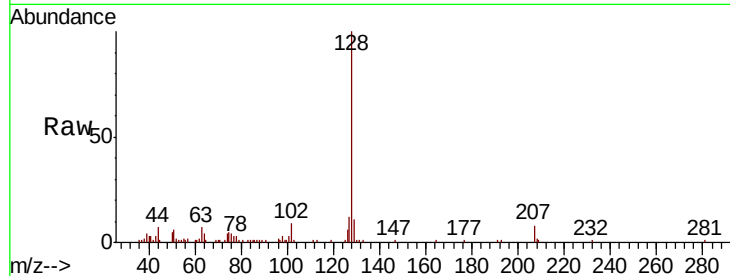
#95
Naphthalene
Concen: 4.866 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.7	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.898 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051663.D
Acq: 4 Oct 2018 13:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.3	141.8
145	31.0	15.6	46.8

