

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050132.D
 Acq On : 27 Jul 2018 16:13
 Operator : MD\SY
 Sample : VN0727WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:18 PM

Quant Time: Jul 27 23:50:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	717462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	928324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	472783	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	470476	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
35) Dibromofluoromethane	7.59	113	417618	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.09	98	1535832	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	505386	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	197129	19.122	ug/l	98
3) Chloromethane	2.06	50	179870	16.052	ug/l	99
4) Vinyl Chloride	2.18	62	203058	17.207	ug/l	98
5) Bromomethane	2.56	94	75157	10.680	ug/l	96
6) Chloroethane	2.70	64	119571	16.872	ug/l	100
7) Trichlorofluoromethane	3.01	101	274013	17.925	ug/l	99
8) Diethyl Ether	3.41	74	93122	18.272	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	168633	18.344	ug/l	99
10) Methyl Iodide	3.95	142	85284	7.228	ug/l	99
11) Tert butyl alcohol	4.81	59	73111	99.263	ug/l	100
12) 1,1-Dichloroethene	3.73	96	147400	17.825	ug/l	98
13) Acrolein	3.61	56	26465	44.722	ug/l	96
14) Allyl chloride	4.32	41	231203	18.031	ug/l	99
15) Acrylonitrile	4.99	53	286921	89.288	ug/l	99
16) Acetone	3.82	43	232526	95.940	ug/l	99
17) Carbon Disulfide	4.05	76	413169	16.310	ug/l	100
18) Methyl Acetate	4.33	43	192225	19.982	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	430597	19.540	ug/l	98
20) Methylene Chloride	4.55	84	167835	18.110	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	159027	18.149	ug/l	97
22) Diisopropyl ether	5.96	45	488174	19.201	ug/l	99
23) Vinyl Acetate	5.90	43	1636081	91.061	ug/l	100
24) 1,1-Dichloroethane	5.85	63	299131	17.993	ug/l	99
25) 2-Butanone	6.84	43	352770	92.392	ug/l	98
26) 2,2-Dichloropropane	6.83	77	243827	19.279	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	180381	19.124	ug/l	99
28) Bromochloromethane	7.20	49	140854	18.575	ug/l	97
29) Tetrahydrofuran	7.22	42	228540	92.628	ug/l	99
30) Chloroform	7.37	83	305394	18.001	ug/l	97
31) Cyclohexane	7.65	56	254274	18.399	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	264538	18.229	ug/l	100
36) 1,1-Dichloropropene	7.79	75	221590	18.702	ug/l	100
37) Ethyl Acetate	6.94	43	148445	17.969	ug/l	98
38) Carbon Tetrachloride	7.77	117	230261	18.315	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050132.D
 Acq On : 27 Jul 2018 16:13
 Operator : MD\SY
 Sample : VN0727WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:18 PM

Quant Time: Jul 27 23:50:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	235187	19.295	ug/l	99
40) Benzene	8.04	78	679467	18.845	ug/l	100
41) Methacrylonitrile	7.18	41	71581	18.471	ug/l	91
42) 1,2-Dichloroethane	8.13	62	219907	18.282	ug/l	99
43) Isopropyl Acetate	8.17	43	294396	18.186	ug/l	100
44) Trichloroethene	8.84	130	179587	18.536	ug/l	98
45) 1,2-Dichloropropane	9.12	63	178143	18.654	ug/l	98
46) Dibromomethane	9.21	93	109537	18.472	ug/l	97
47) Bromodichloromethane	9.40	83	230148	18.389	ug/l	99
48) Methyl methacrylate	9.20	41	136548	19.192	ug/l	98
49) 1,4-Dioxane	9.20	88	38650	399.183	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	785739	96.754	ug/l	100
52) Toluene	10.16	92	414177	19.460	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	227569	19.270	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	259084	19.196	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	161500	19.131	ug/l	98
56) Ethyl methacrylate	10.43	69	196228	18.493	ug/l	99
57) 1,3-Dichloropropane	10.71	76	261499	19.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	425532	85.458	ug/l	99
59) 2-Hexanone	10.75	43	521643	90.780	ug/l	99
60) Dibromochloromethane	10.90	129	178005	19.045	ug/l	100
61) 1,2-Dibromoethane	11.01	107	156302	18.661	ug/l	99
64) Tetrachloroethene	10.63	164	168968	18.932	ug/l	98
65) Chlorobenzene	11.44	112	450028	19.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170644	18.940	ug/l	99
67) Ethyl Benzene	11.51	91	756192	20.075	ug/l	99
68) m/p-Xylenes	11.62	106	586420	41.159	ug/l	100
69) o-Xylene	11.95	106	282050	20.766	ug/l	99
70) Styrene	11.97	104	439506	18.782	ug/l	100
71) Bromoform	12.13	173	122651	18.714	ug/l #	99
73) Isopropylbenzene	12.25	105	759548	20.715	ug/l	100
74) N-amyl acetate	12.07	43	210026	18.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206310	20.005	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	162907m	18.541	ug/l	
77) Bromobenzene	12.53	156	193823	19.072	ug/l	99
78) n-propylbenzene	12.59	91	849818	20.735	ug/l	100
79) 2-Chlorotoluene	12.68	91	519865	20.465	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	626555	21.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51052	18.430	ug/l	98
82) 4-Chlorotoluene	12.78	91	512447	20.371	ug/l	99
83) tert-Butylbenzene	12.99	119	534750	21.246	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	639863	22.010	ug/l	99
85) sec-Butylbenzene	13.17	105	716046	21.291	ug/l	100
86) p-Isopropyltoluene	13.29	119	608255	21.464	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334594	19.422	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	325169	19.365	ug/l	99
89) n-Butylbenzene	13.62	91	470497	20.191	ug/l	99
90) Hexachloroethane	13.88	117	115168	18.303	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	335371	19.474	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31202	18.589	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
Data File : VN050132.D
Acq On : 27 Jul 2018 16:13
Operator : MD\SY
Sample : VN0727WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

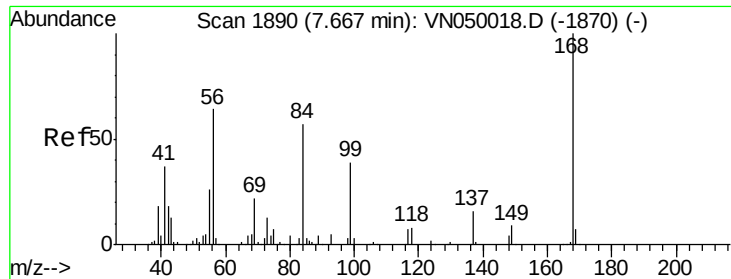
Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM

Quant Time: Jul 27 23:50:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	148379	18.330	ug/l	98
94) Hexachlorobutadiene	15.01	225	104396	19.802	ug/l	99
95) Naphthalene	15.14	128	330198	18.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	157052	19.082	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion:168 Resp: 717462

Ion Ratio Lower Upper

168 100

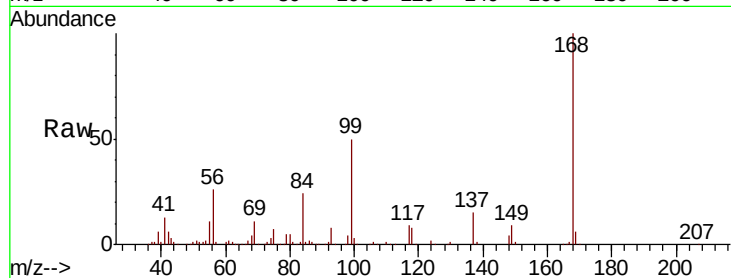
99 49.9 40.0 60.0

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

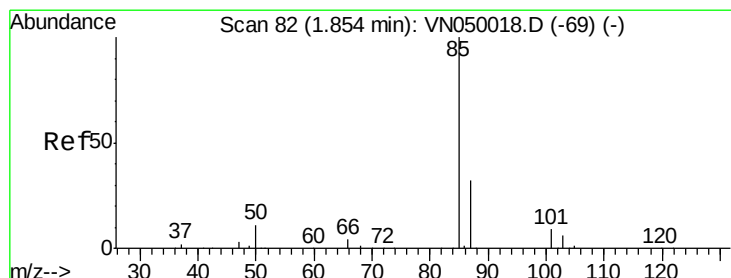
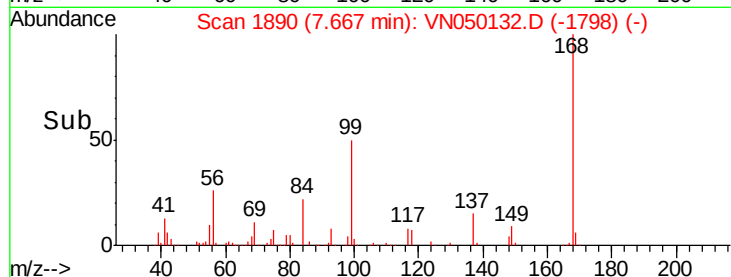
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.122 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050132.D

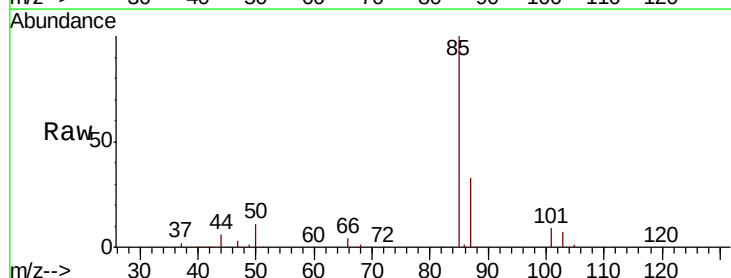
Acq: 27 Jul 2018 16:13

Tgt Ion: 85 Resp: 197129

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

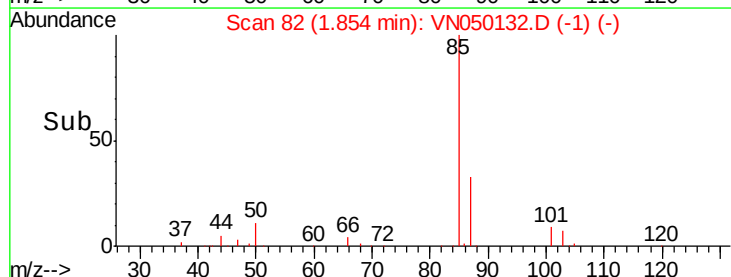
150000

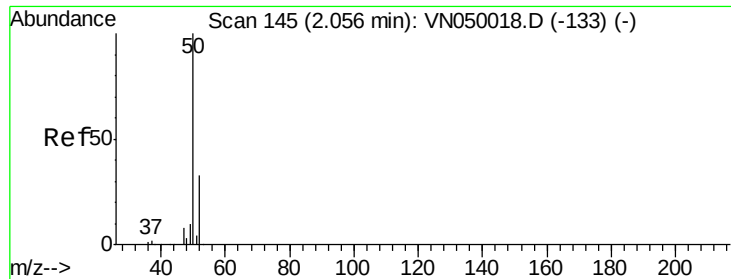
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 16.052 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 50 Resp: 179870

Ion Ratio Lower Upper

50 100

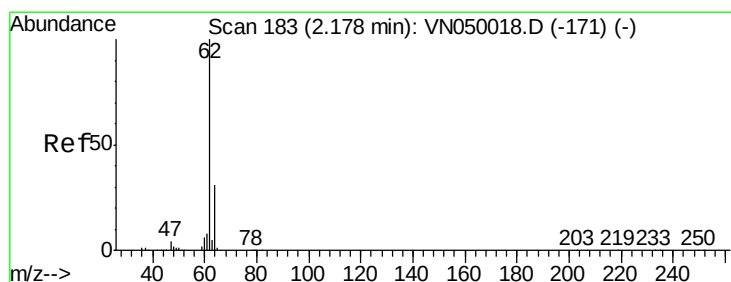
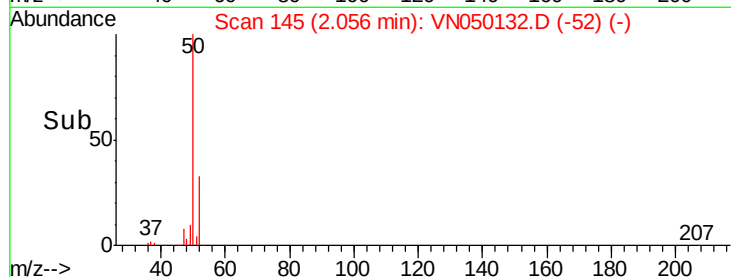
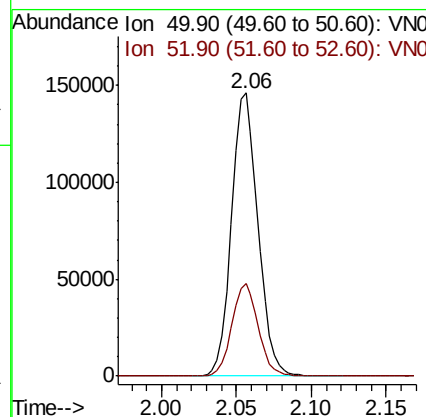
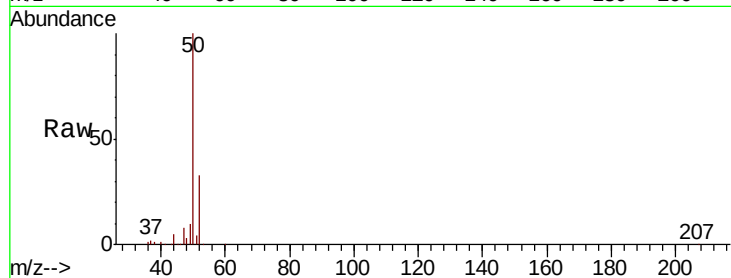
52 32.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#4

Vinyl Chloride

Concen: 17.207 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050132.D

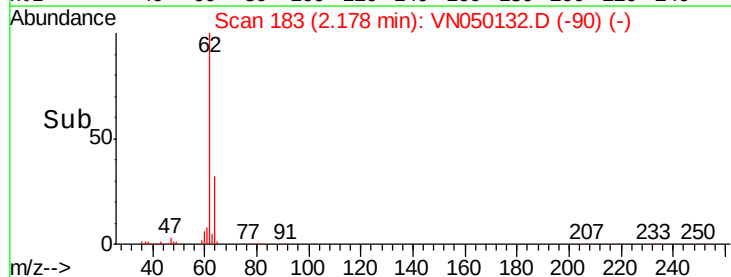
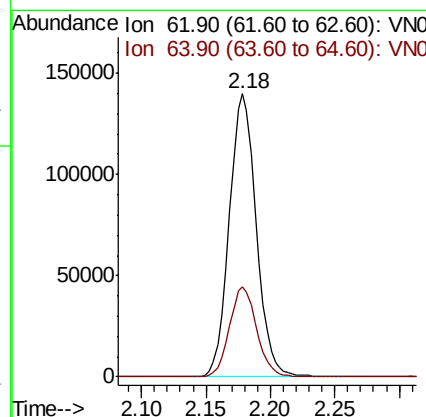
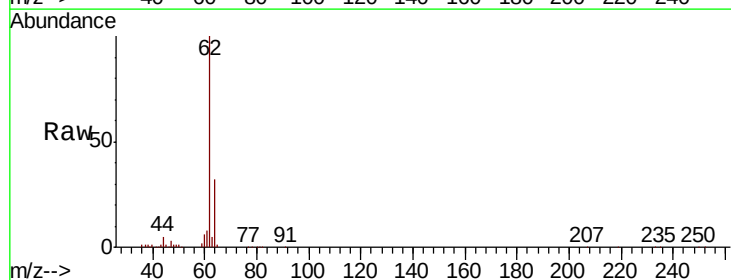
Acq: 27 Jul 2018 16:13

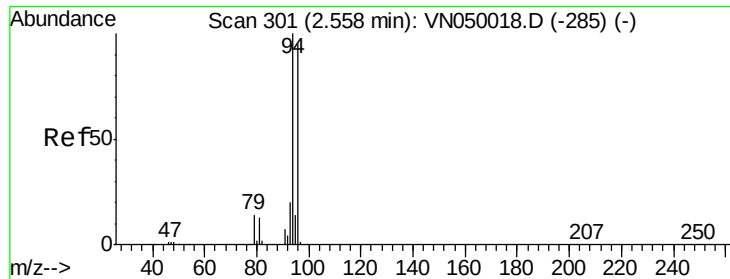
Tgt Ion: 62 Resp: 203058

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 10.680 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 94 Resp: 75157

Ion Ratio Lower Upper

94 100

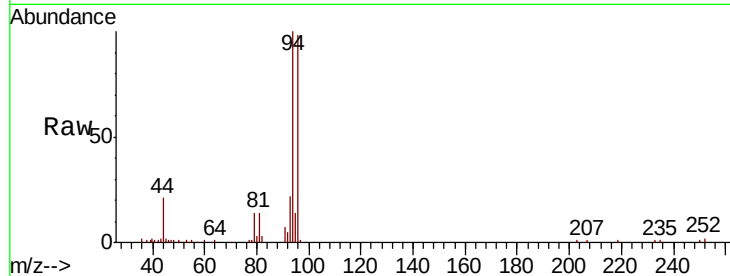
96 97.4 74.6 112.0

Manual Integrations

APPROVED

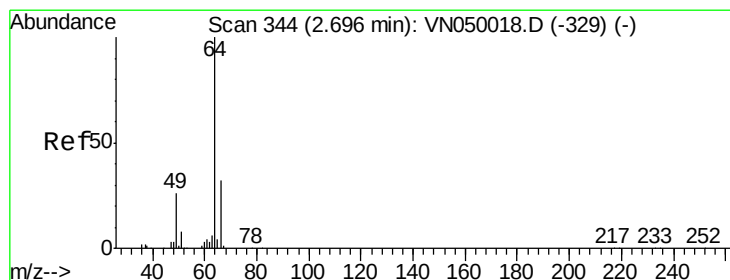
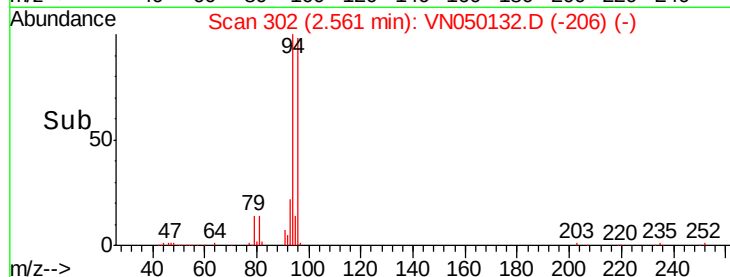
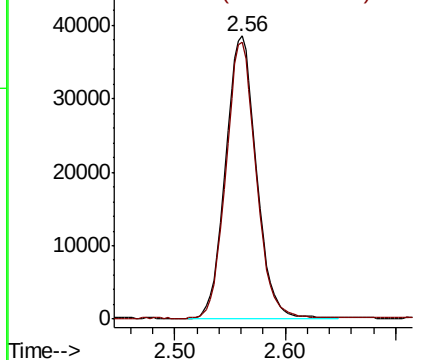
MMDadoda

7/30/2018 1:37:18 PM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.872 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050132.D

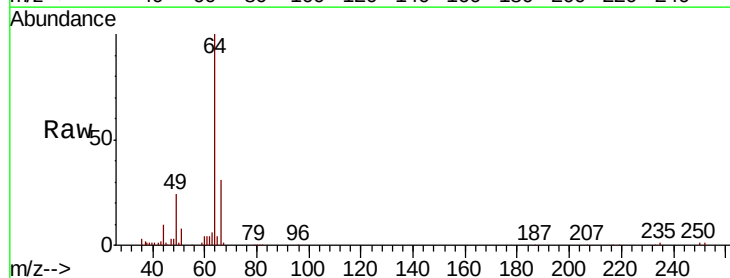
Acq: 27 Jul 2018 16:13

Tgt Ion: 64 Resp: 119571

Ion Ratio Lower Upper

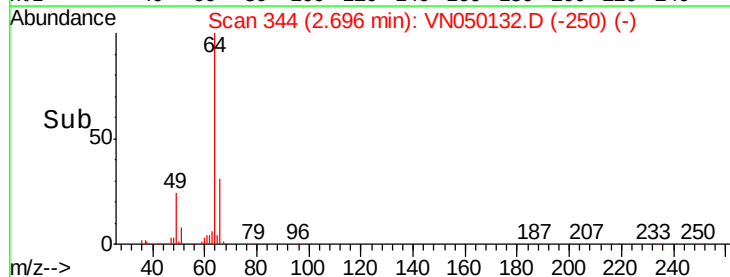
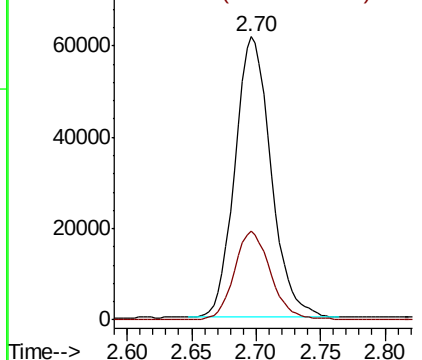
64 100

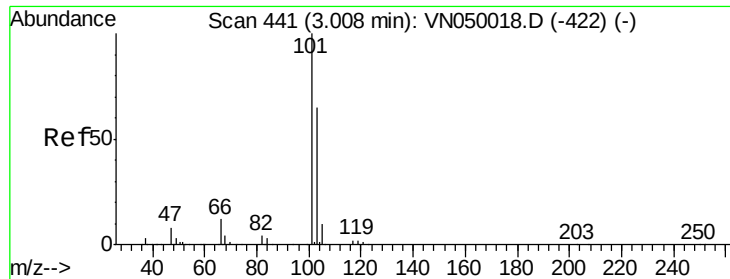
66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

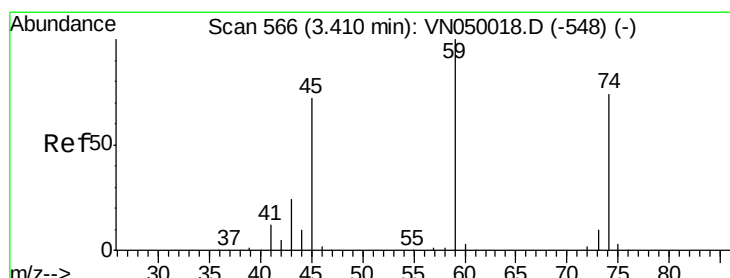
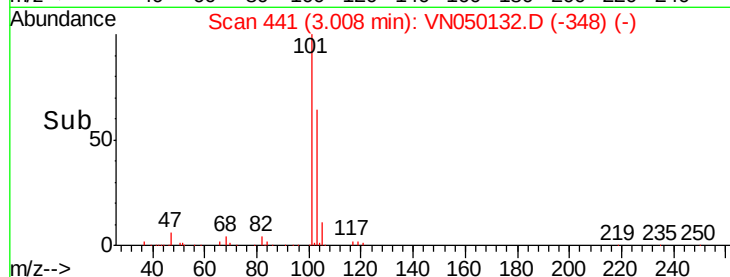
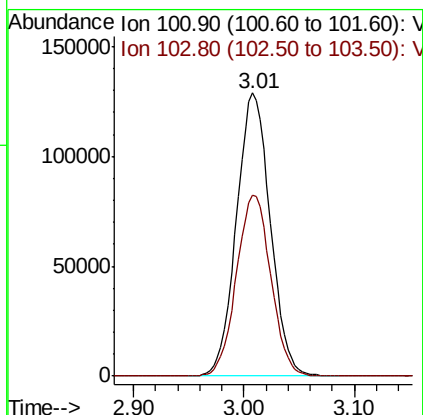
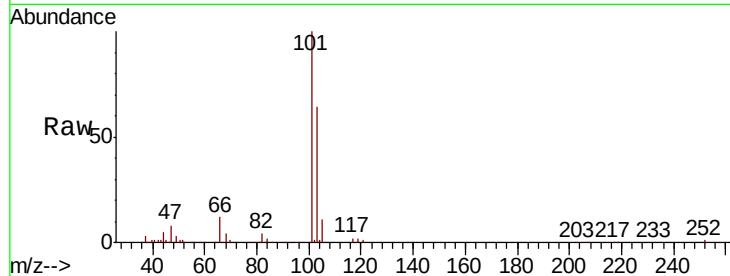
Trichlorofluoromethane
Concen: 17.925 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.7	77.5

Manual Integrations
APPROVED

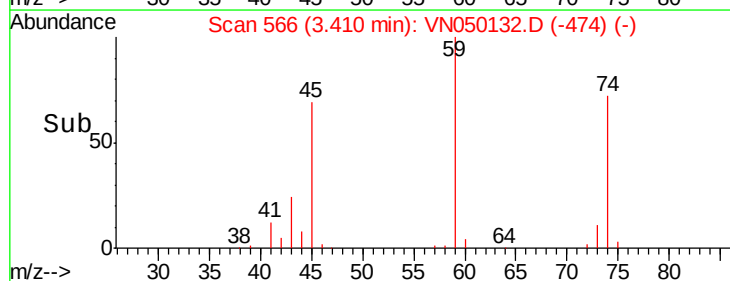
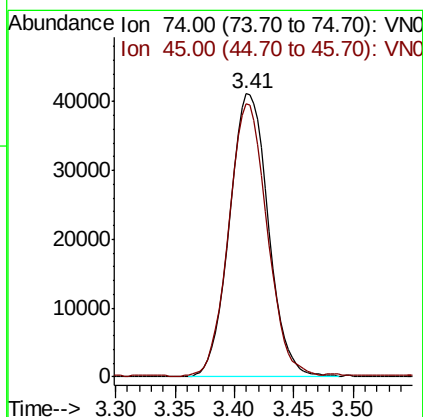
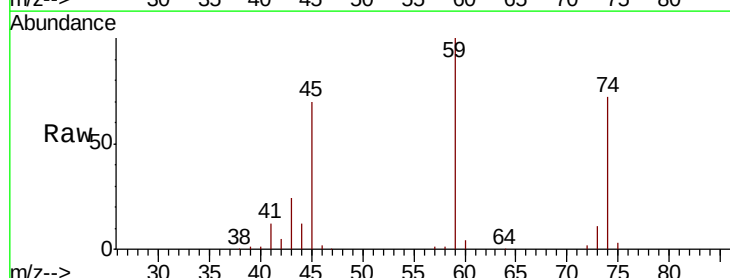
MMDadoda
7/30/2018 1:37:18 PM

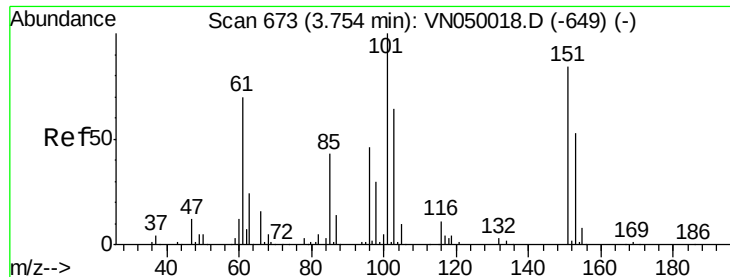


#8

Diethyl Ether
Concen: 18.272 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.344 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

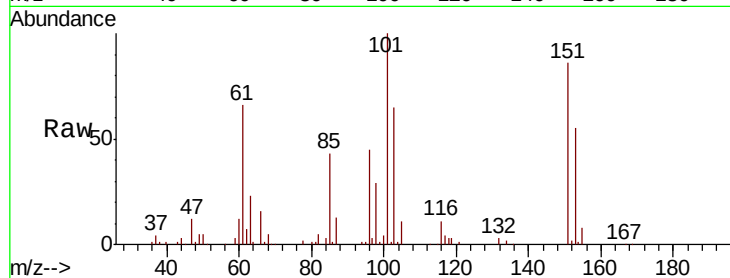
ClientSampleId :

VN0727WBS02

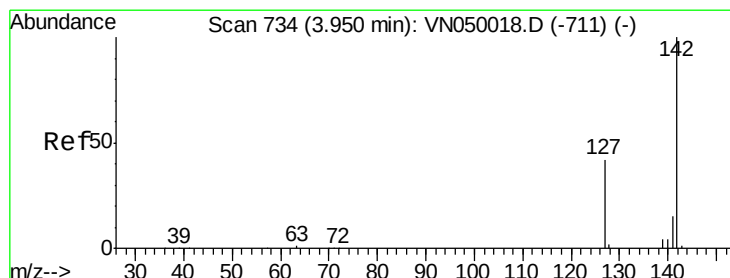
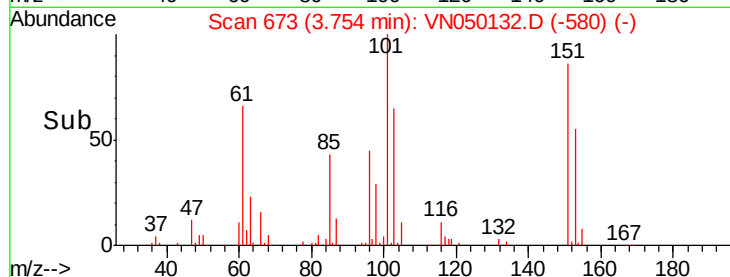
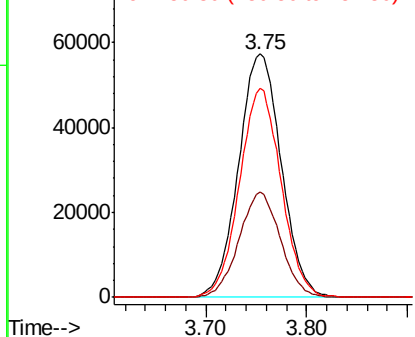
Tot Ion:	101	Resp:	168633
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.2
151	83.5	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.228 ug/l

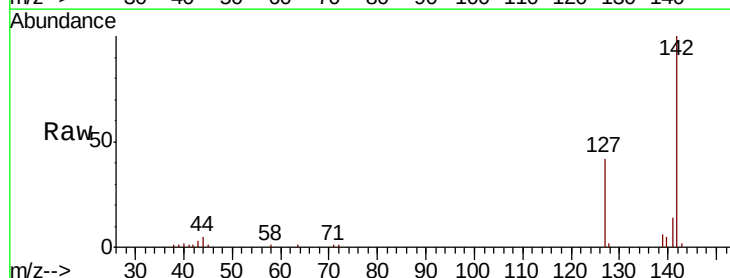
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

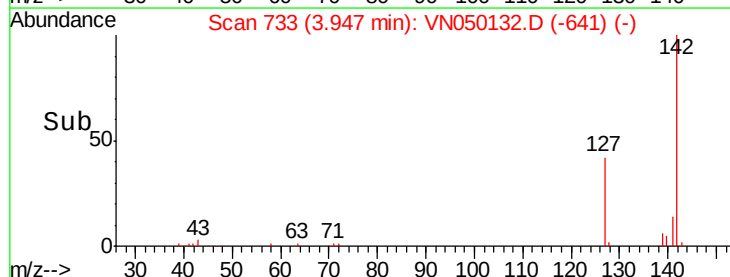
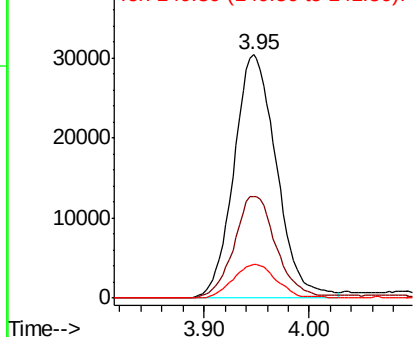
Lab File: VN050132.D

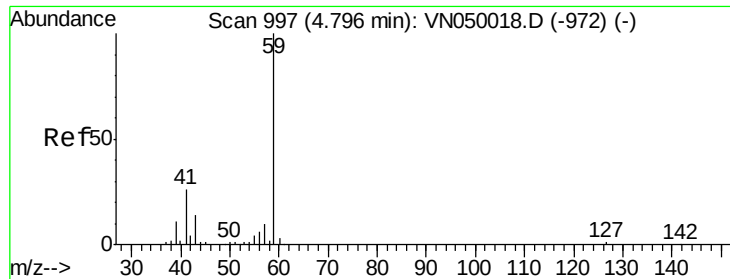
Acq: 27 Jul 2018 16:13

Tgt Ion:	142	Resp:	85284
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.2
141	14.1	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

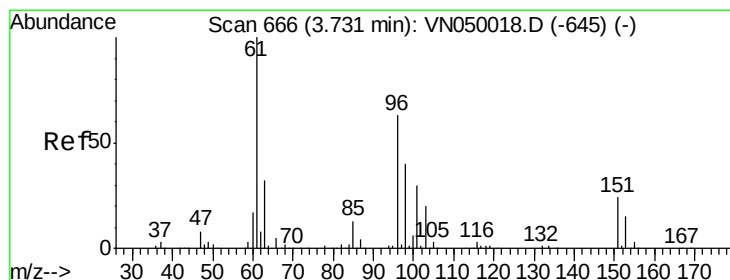
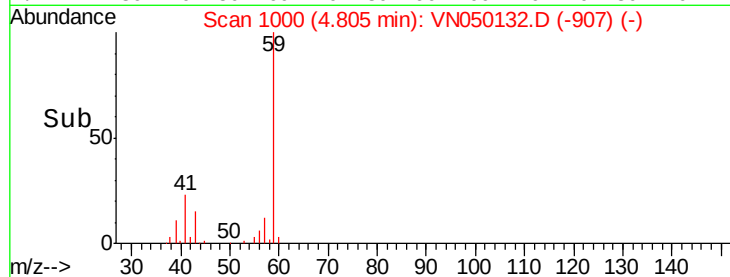
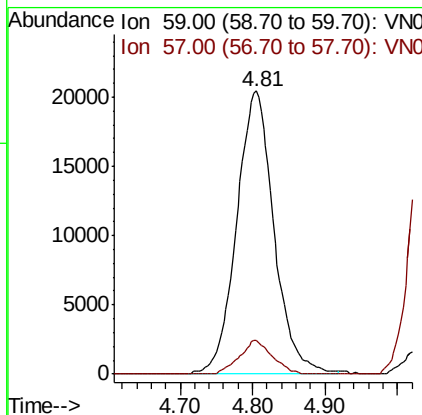
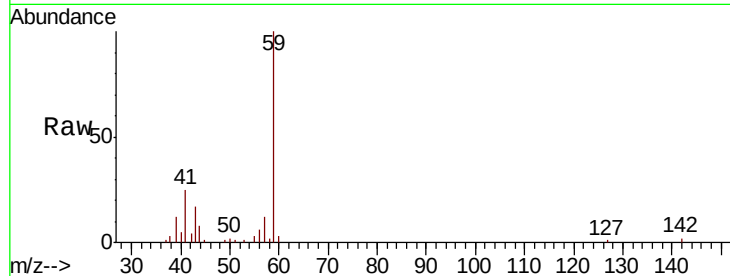
Tert butyl alcohol
 Concen: 99.263 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
 APPROVED

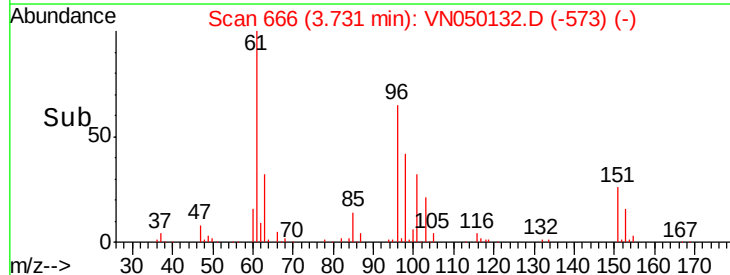
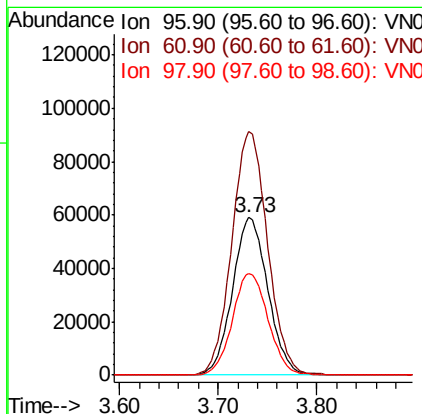
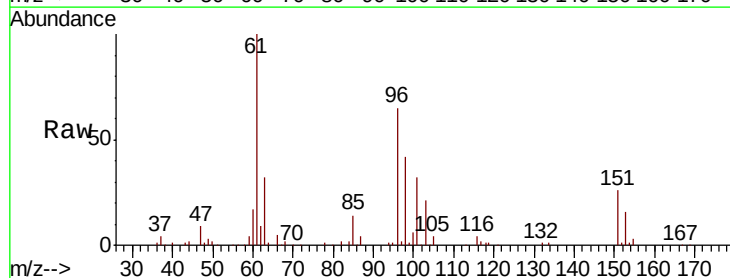
MMDadoda
 7/30/2018 1:37:18 PM

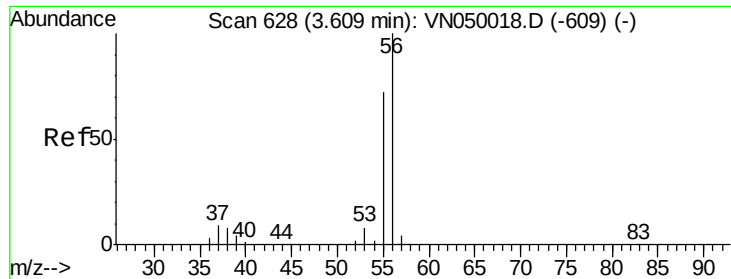


#12

1,1-Dichloroethene
 Concen: 17.825 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	124.4	186.6
98	64.6	48.3	72.5





#13

Acrolein

Concen: 44.722 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 56 Resp: 26465

Ion Ratio Lower Upper

56 100

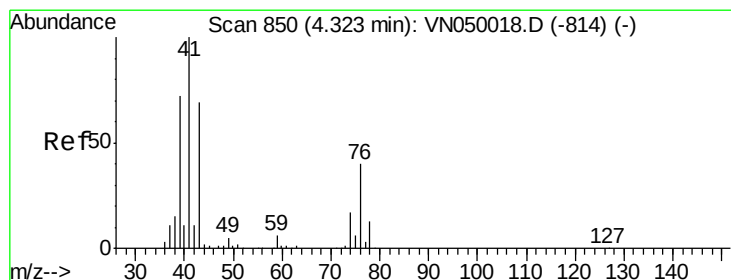
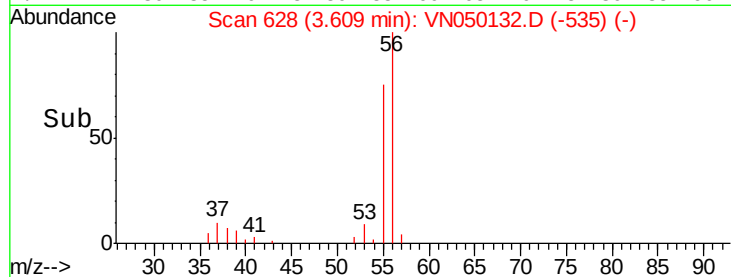
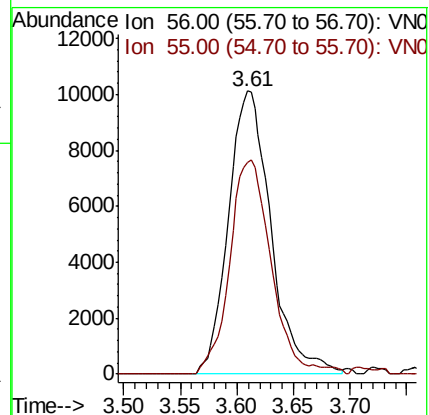
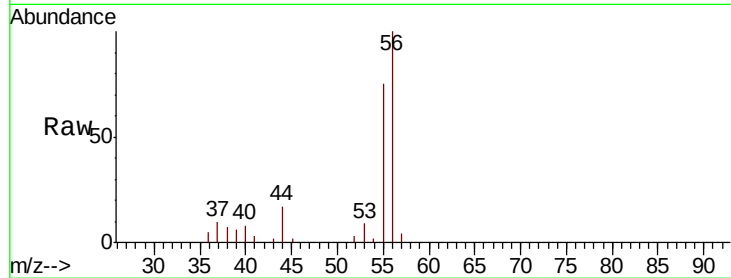
55 72.9 55.8 83.6

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#14

Allyl chloride

Concen: 18.031 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

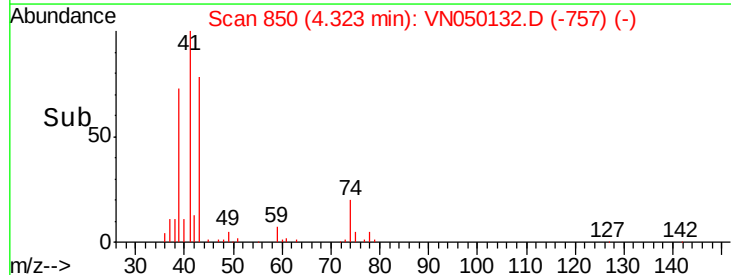
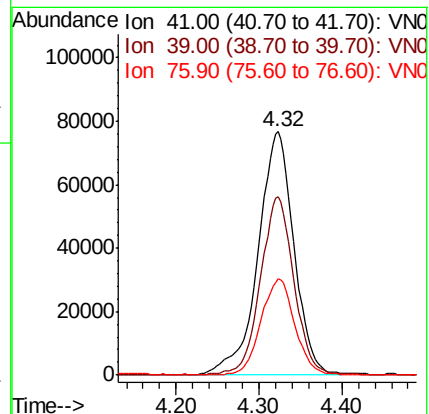
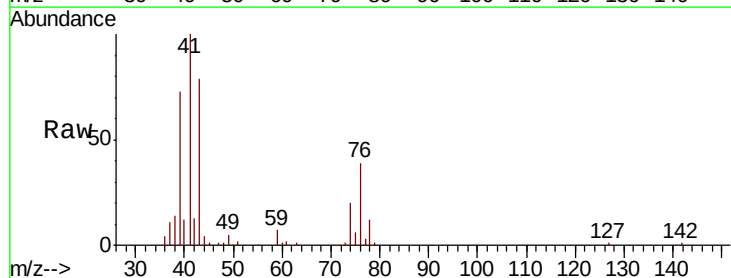
Tgt Ion: 41 Resp: 231203

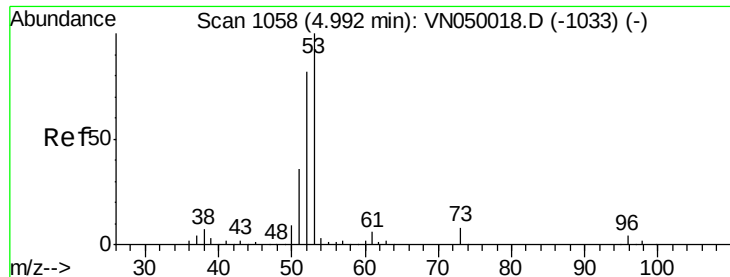
Ion Ratio Lower Upper

41 100

39 68.3 54.2 81.4

76 36.6 29.0 43.6





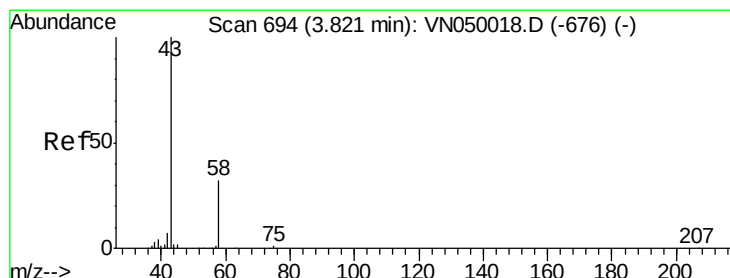
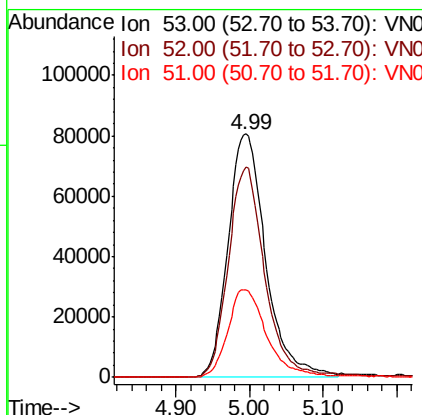
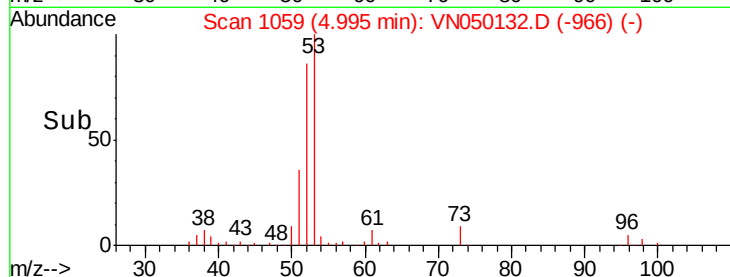
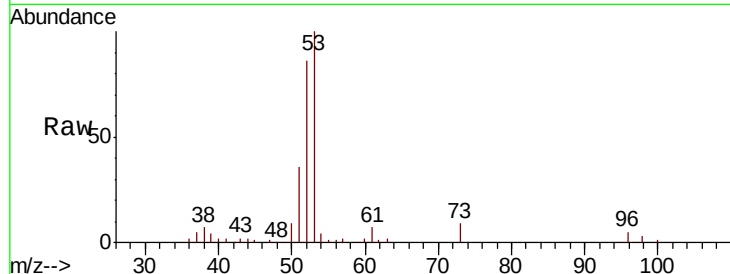
#15
 Acrylonitrile
 Concen: 89.288 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	37.5	29.3	43.9

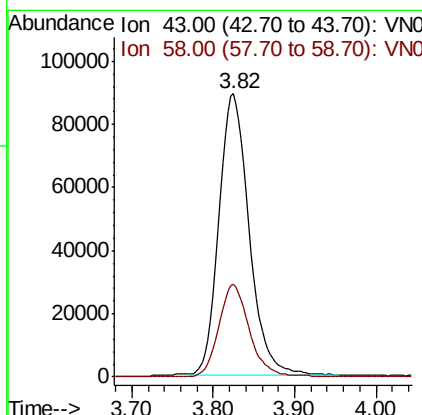
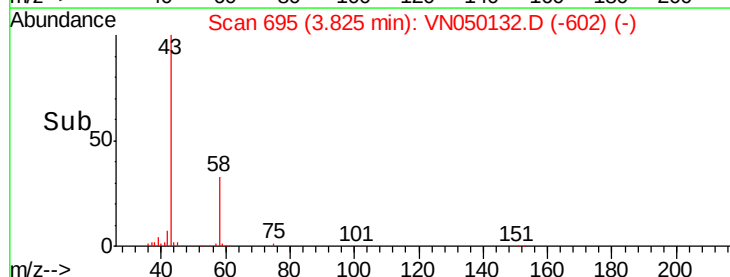
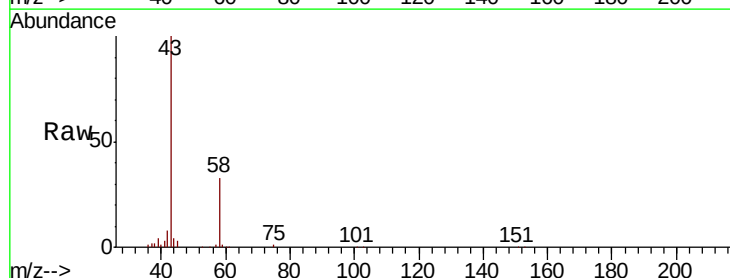
Manual Integrations
 APPROVED

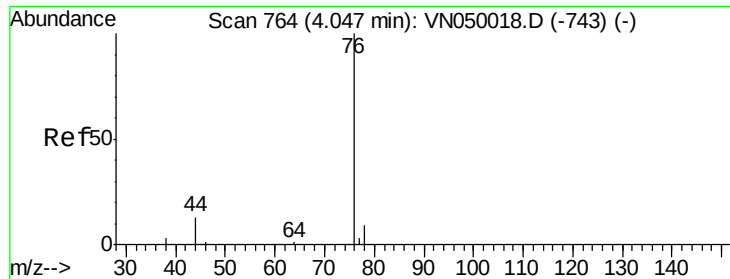
MMDadoda
 7/30/2018 1:37:18 PM



#16
 Acetone
 Concen: 95.940 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.8	38.8





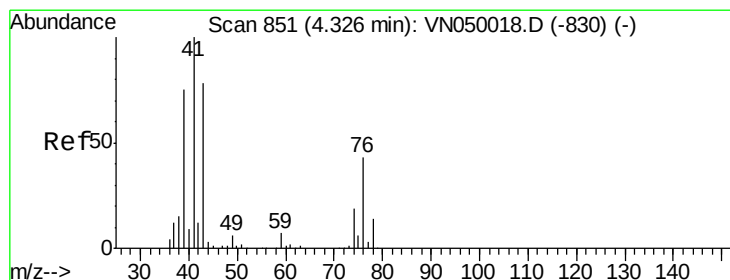
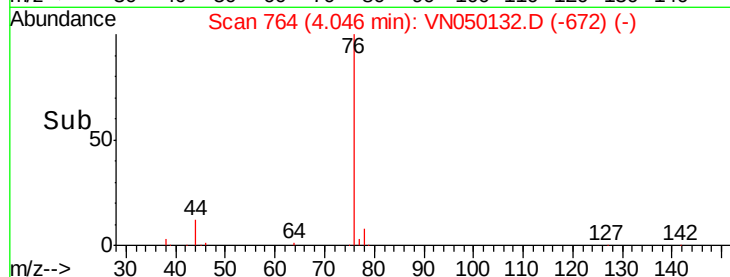
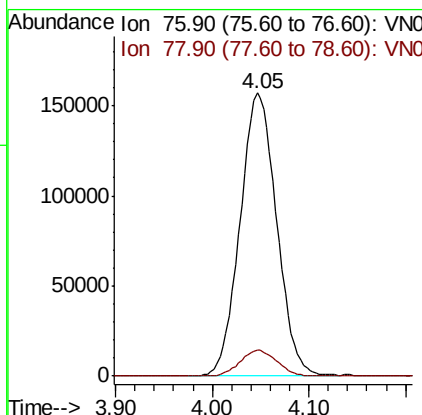
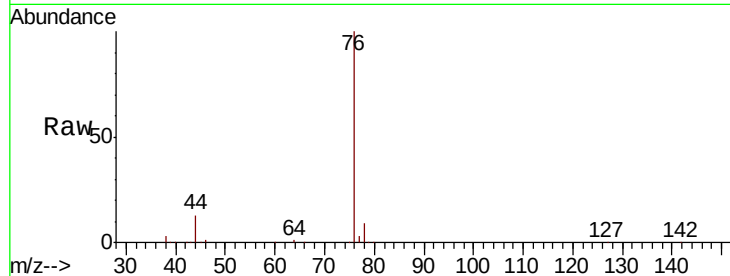
#17
Carbon Disulfide
Concen: 16.310 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 76 Resp: 413169
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

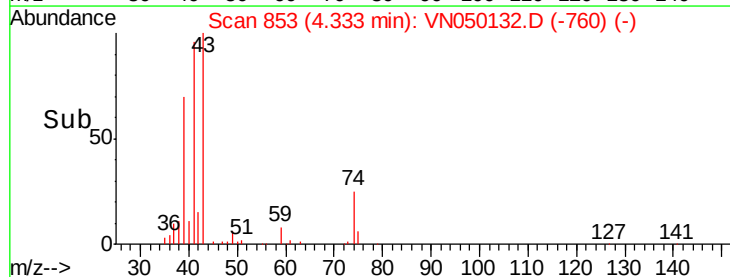
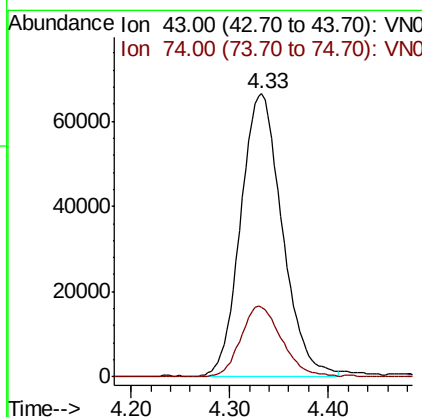
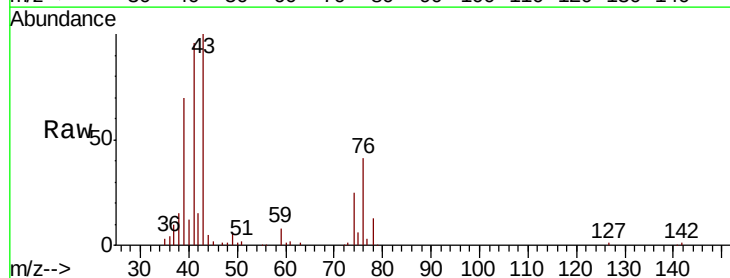
Manual Integrations
APPROVED

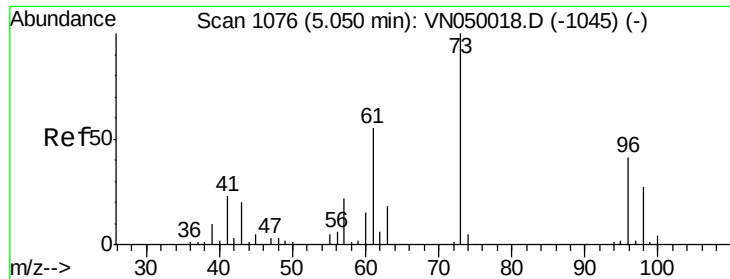
MMDadoda
7/30/2018 1:37:18 PM



#18
Methyl Acetate
Concen: 19.982 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 43 Resp: 192225
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8





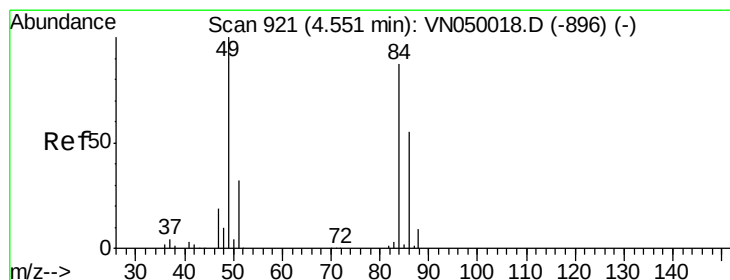
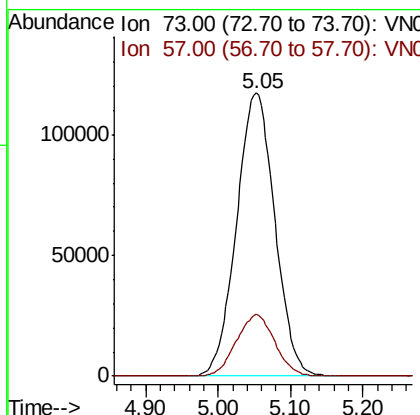
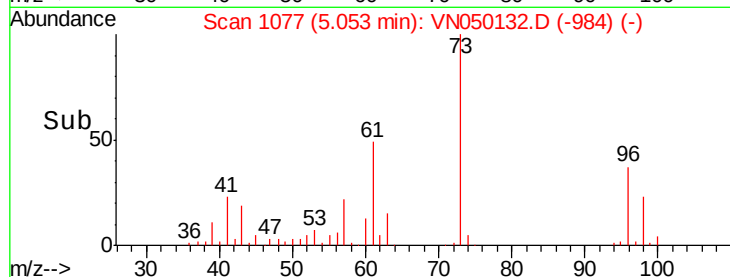
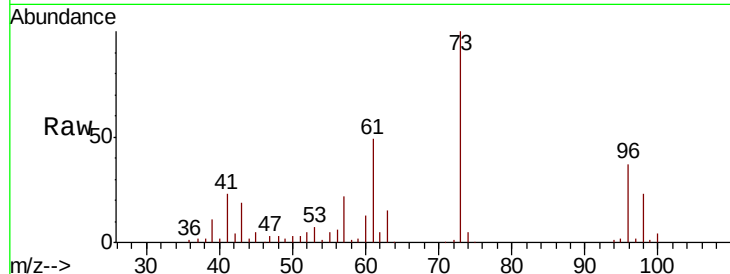
#19
Methvl tert-butyl Ether
Concen: 19.540 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 73 Resp: 430597
Ion Ratio Lower Upper
73 100
57 21.8 18.0 27.0

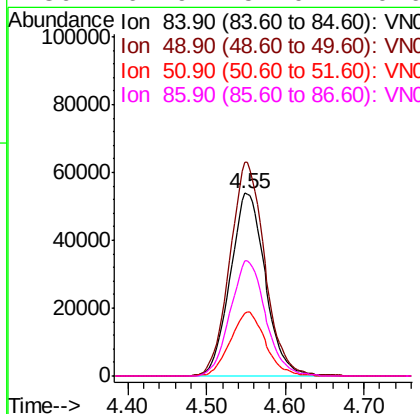
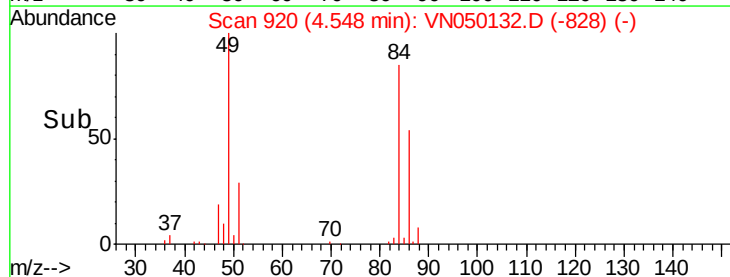
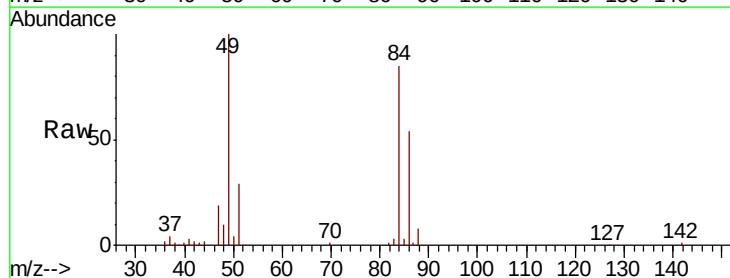
Manual Integrations
APPROVED

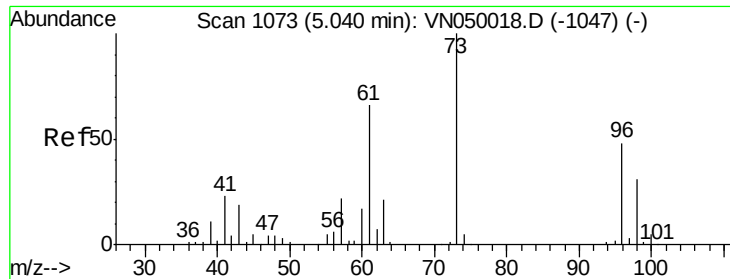
MMDadoda
7/30/2018 1:37:18 PM



#20
Methylene Chloride
Concen: 18.110 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 84 Resp: 167835
Ion Ratio Lower Upper
84 100
49 117.0 94.8 142.2
51 34.2 28.3 42.5
86 62.9 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.149 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 96 Resp: 159027

Ion Ratio Lower Upper

96 100

61 134.3 110.7 166.1

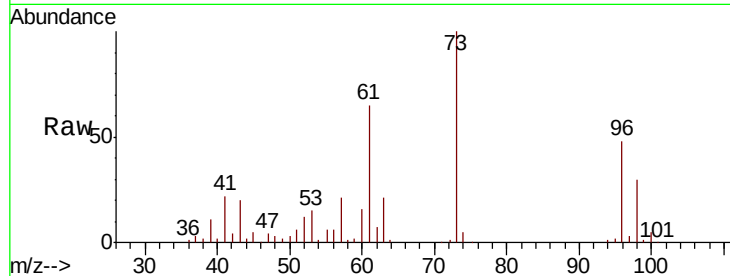
98 61.8 51.6 77.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM

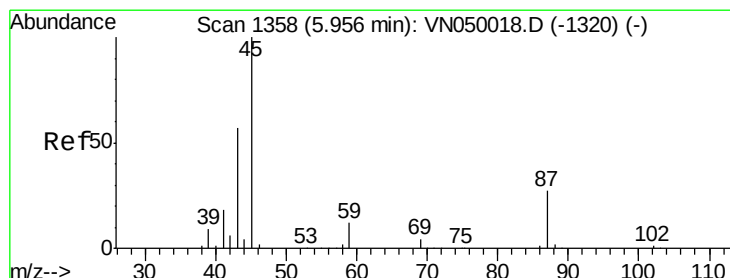
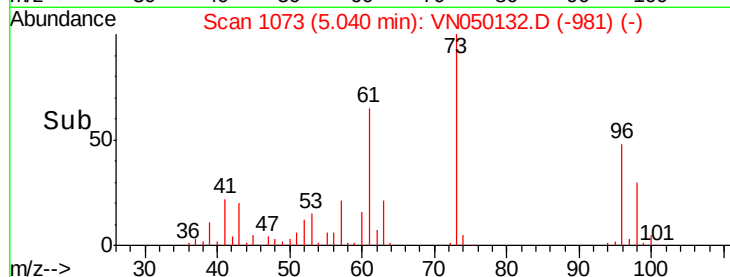
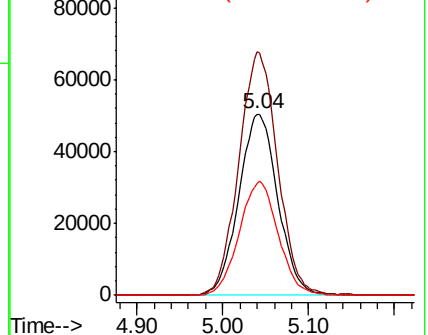


Abundance

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



#22

Diisopropyl ether

Concen: 19.201 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion: 45 Resp: 488174

Ion Ratio Lower Upper

45 100

43 57.8 45.7 68.5

87 28.2 22.7 34.1

59 12.0 9.5 14.3

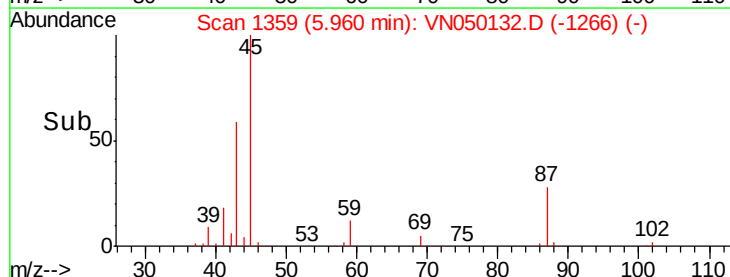
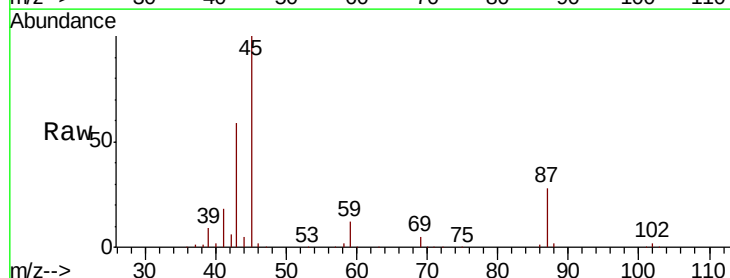
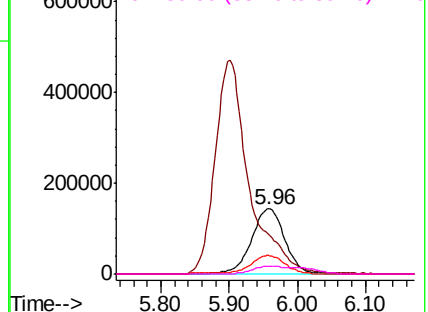
Abundance

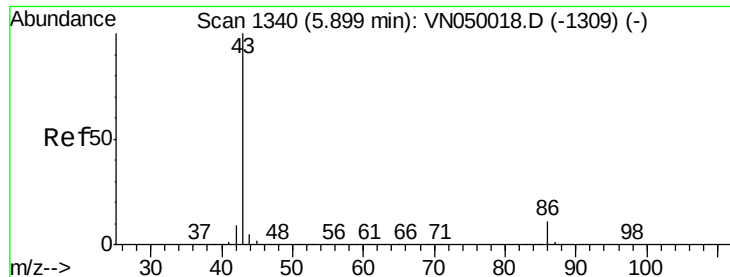
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





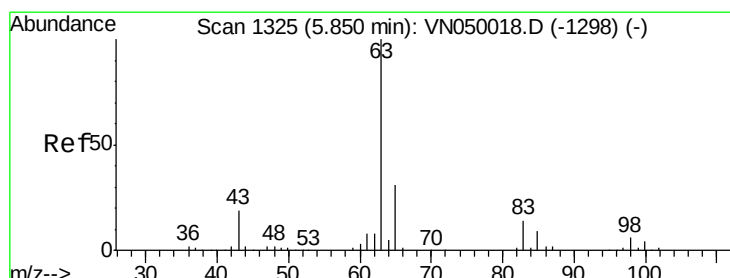
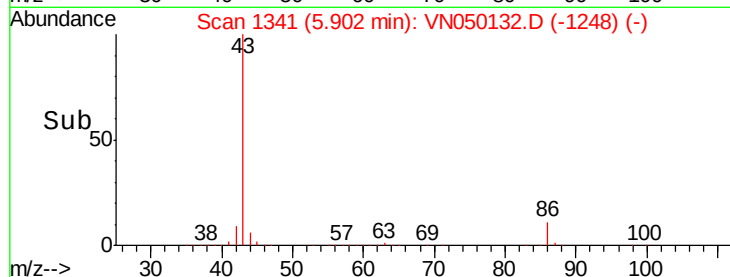
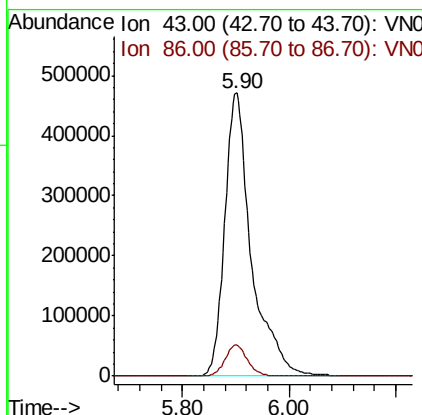
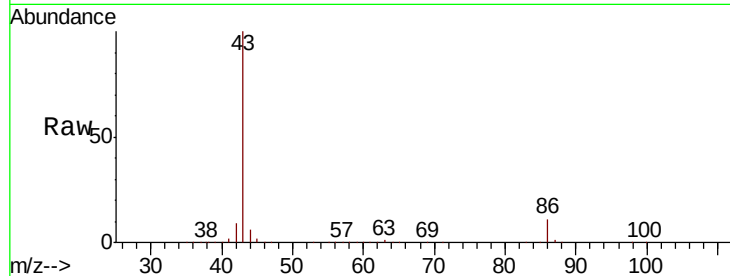
#23
Vinyl Acetate
Concen: 91.061 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion: 43 Resp: 1636081
Ion Ratio Lower Upper
43 100
86 10.8 8.6 13.0

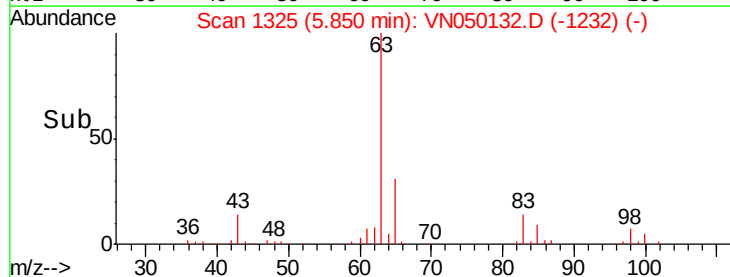
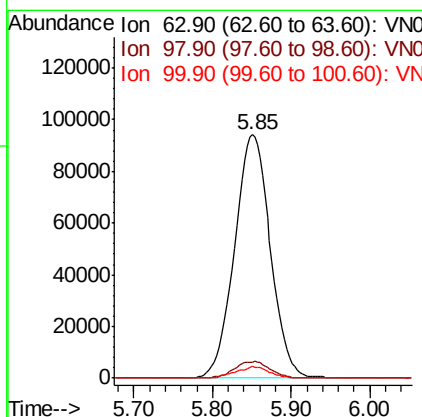
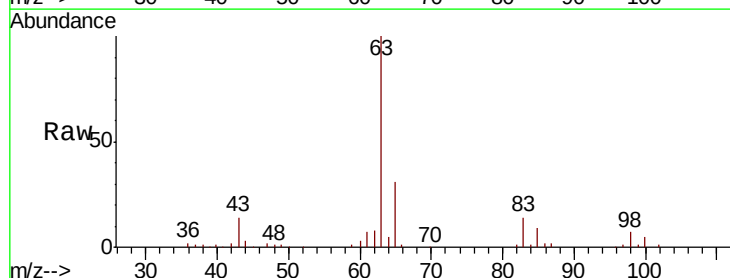
Manual Integrations
APPROVED

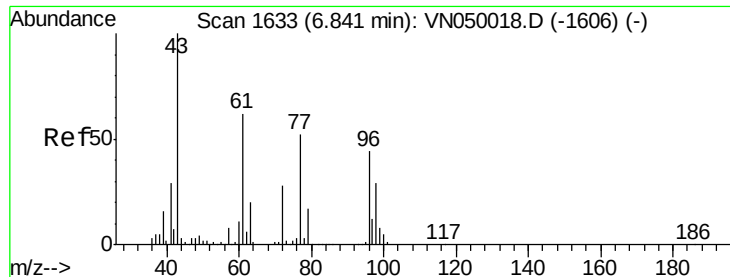
MMDadoda
7/30/2018 1:37:18 PM



#24
1,1-Dichloroethane
Concen: 17.993 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 63 Resp: 299131
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 4.7 2.1 6.3





#25

2-Butanone

Concen: 92.392 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 43 Resp: 352770

Ion Ratio Lower Upper

43 100

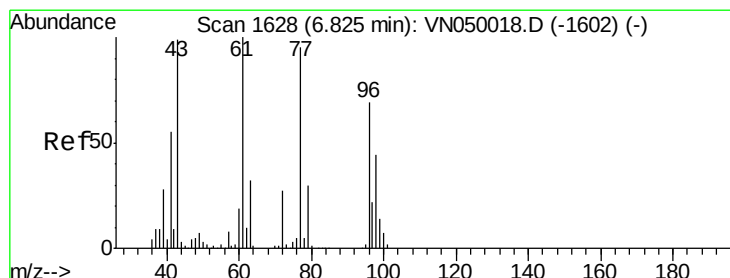
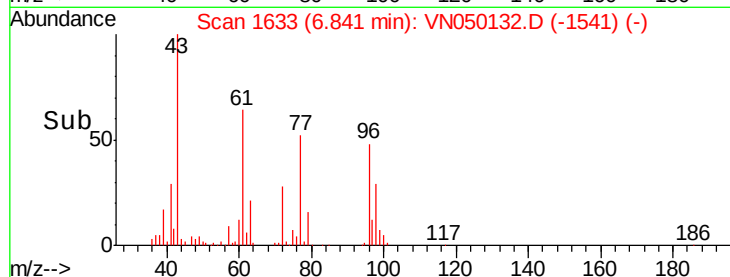
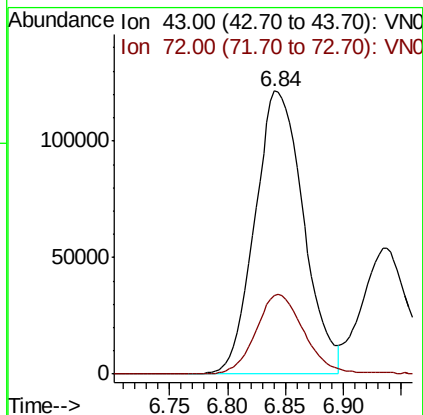
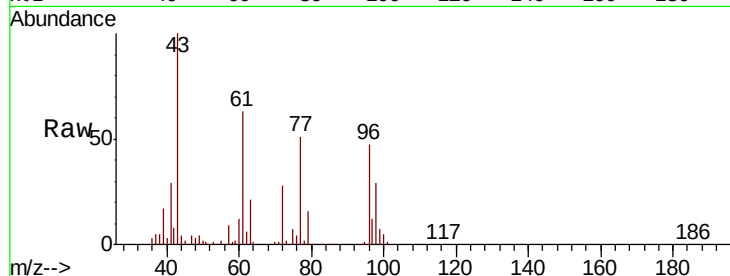
72 28.0 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#26

2,2-Dichloropropane

Concen: 19.279 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050132.D

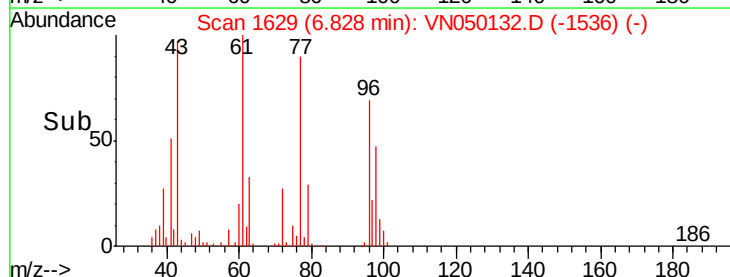
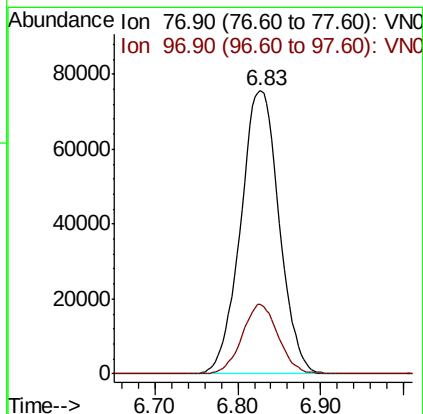
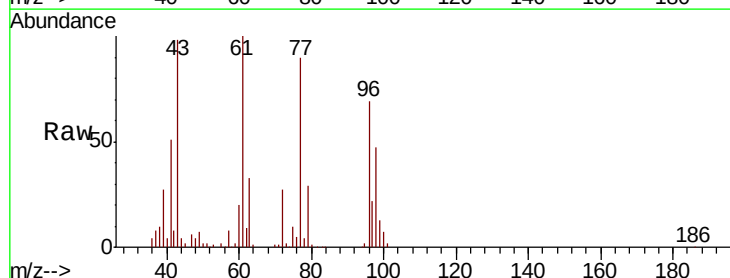
Acq: 27 Jul 2018 16:13

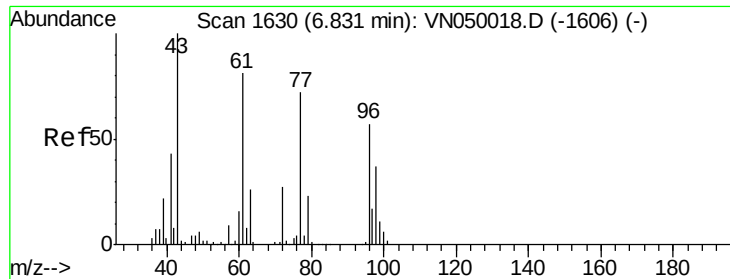
Tgt Ion: 77 Resp: 243827

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.124 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

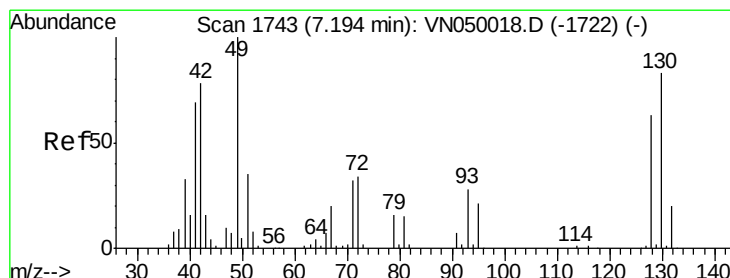
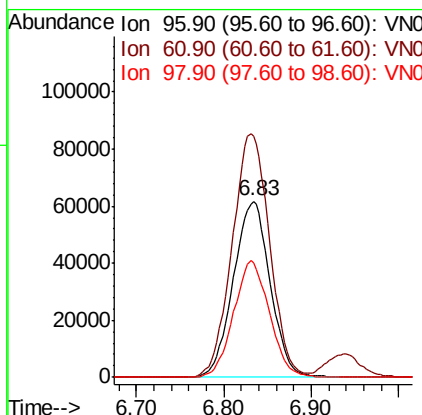
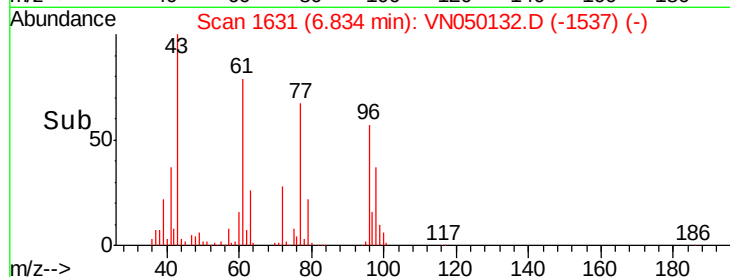
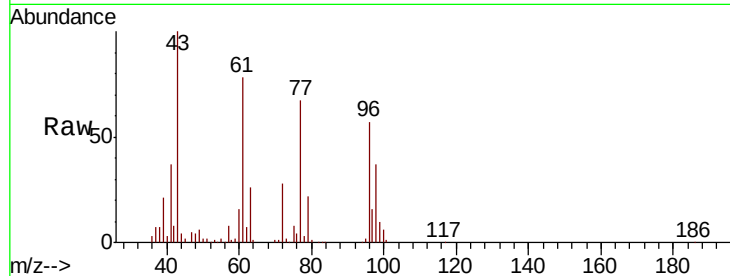
ClientSampleId :

VN0727WBS02

Tot Ion:	96	Resp:	180381
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	285.0
98	64.4	0.0	129.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#28

Bromochloromethane

Concen: 18.575 ug/l

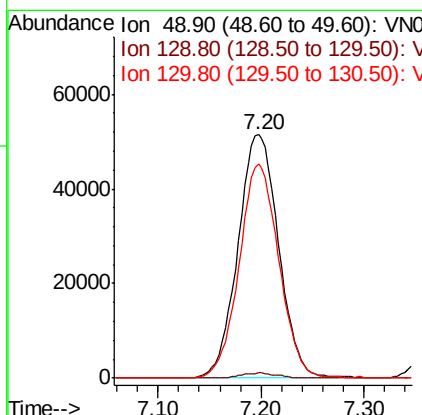
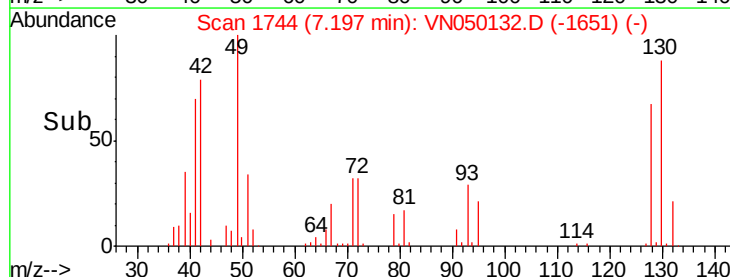
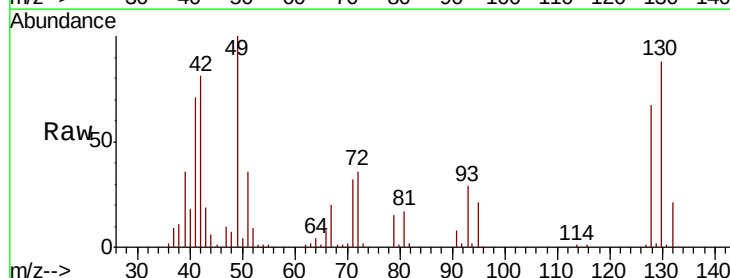
RT: 7.20 min Scan# 1744

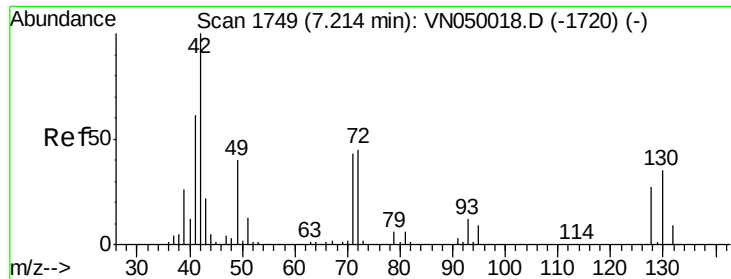
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	49	Resp:	140854
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	86.1	66.3	99.5





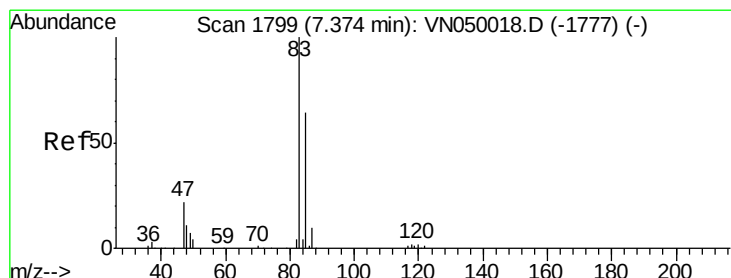
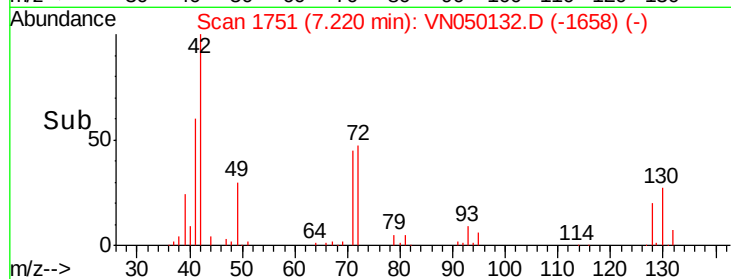
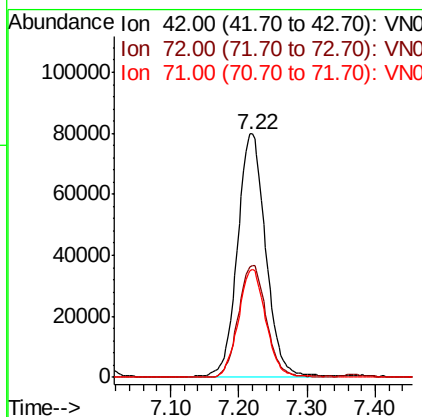
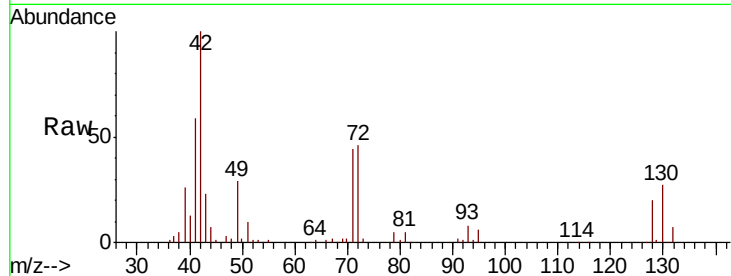
#29
Tetrahydrofuran
Concen: 92.628 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	43.0	33.7	50.5

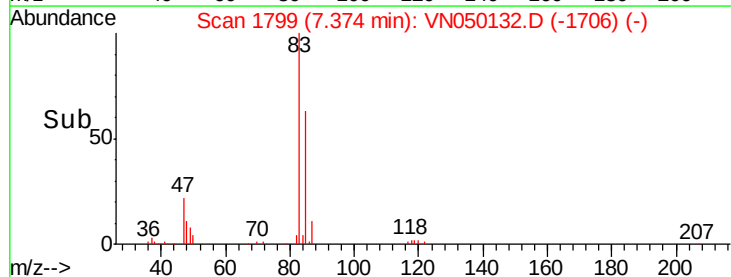
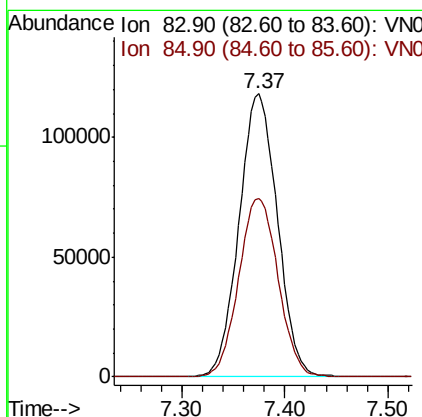
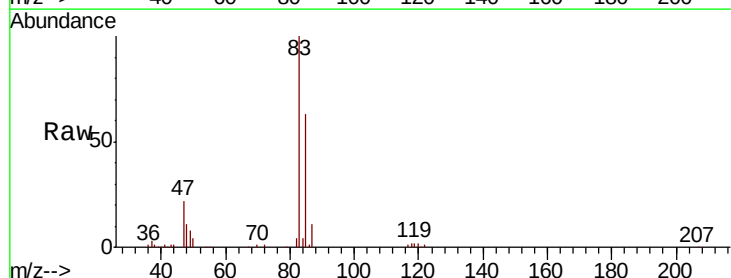
Manual Integrations
APPROVED

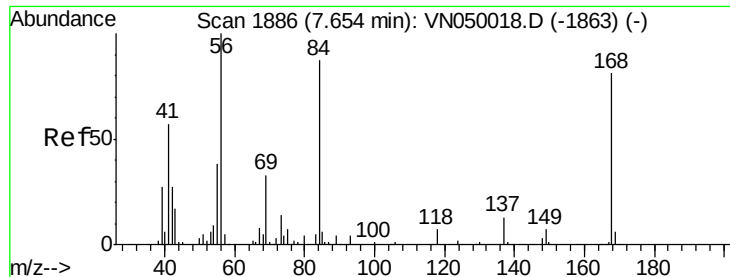
MMDadoda
7/30/2018 1:37:18 PM



#30
Chloroform
Concen: 18.001 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.5	78.7





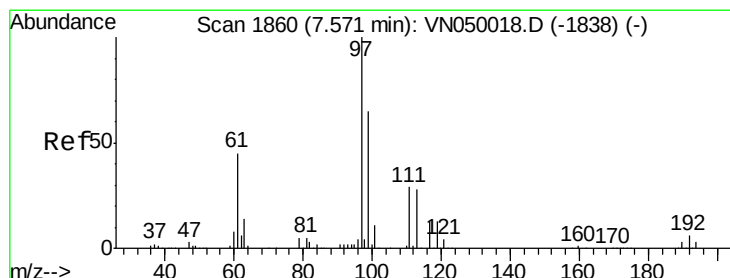
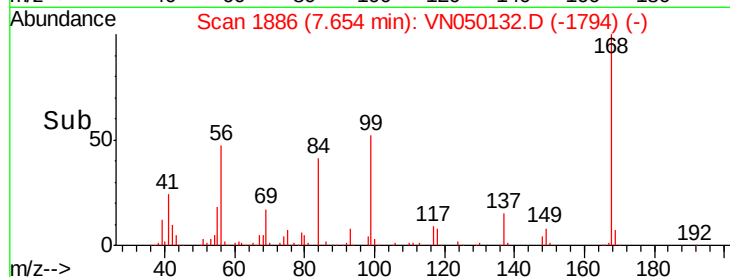
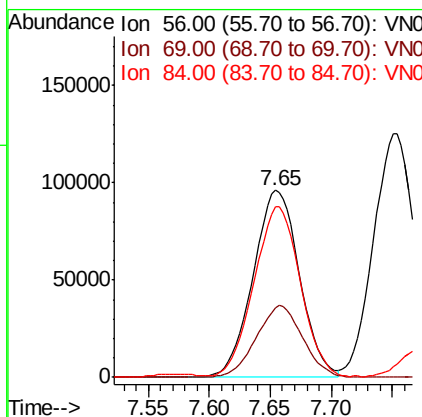
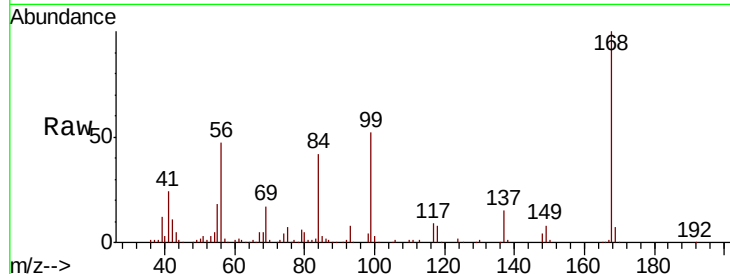
#31
Cyclohexane
Concen: 18.399 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	26.2	39.4
84	89.6	67.4	101.0

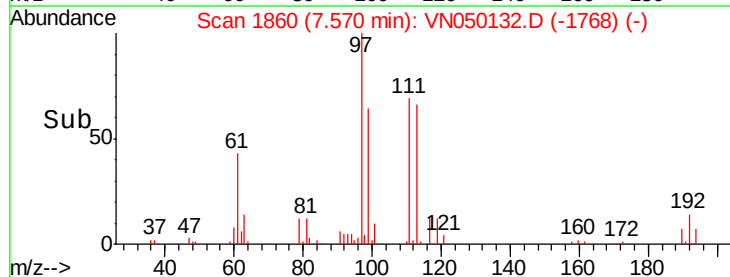
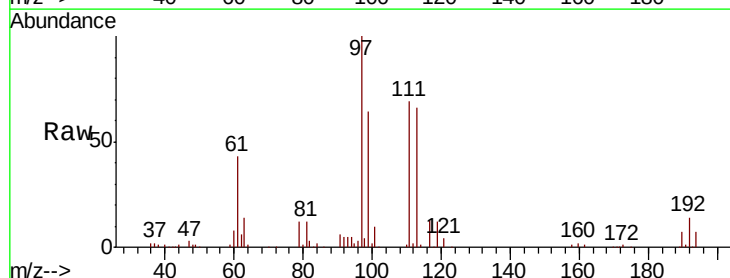
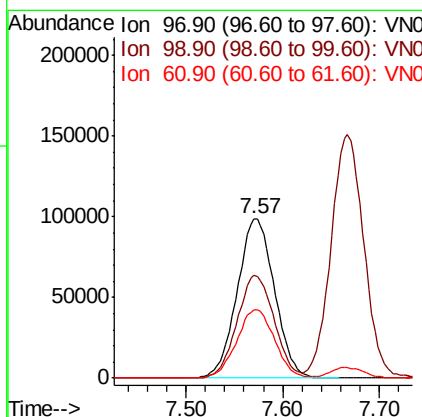
Manual Integrations
APPROVED

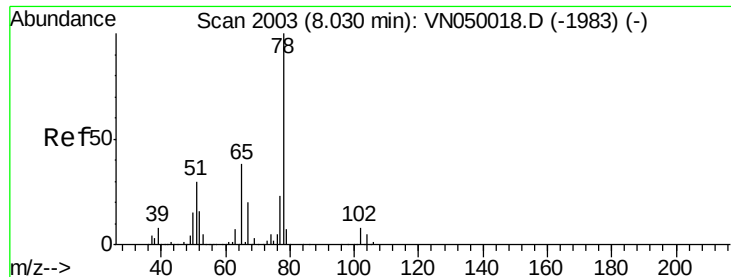
MMDadoda
7/30/2018 1:37:18 PM



#32
1,1,1-Trichloroethane
Concen: 18.229 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	43.8	35.4	53.0





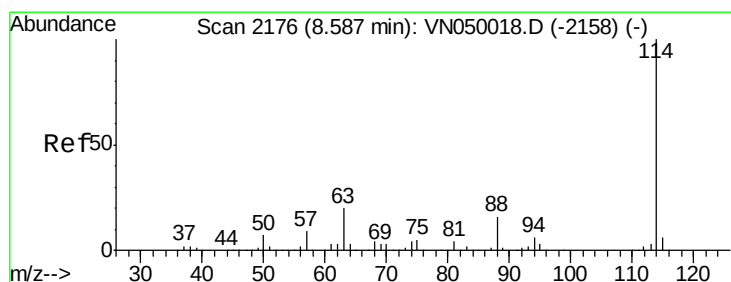
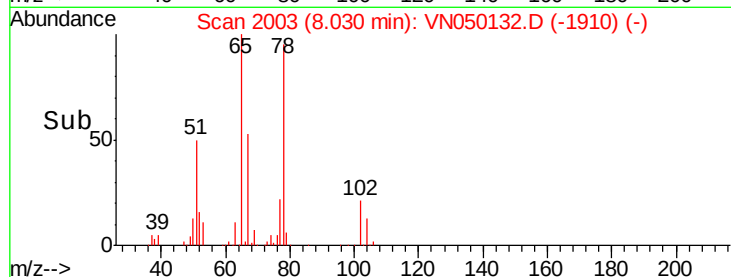
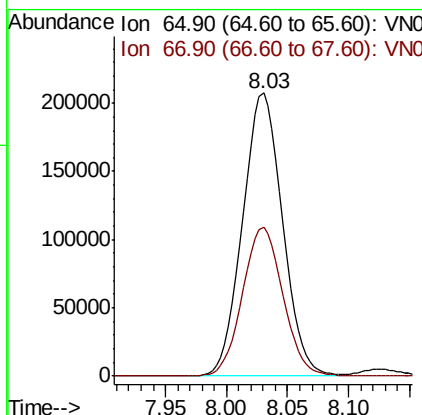
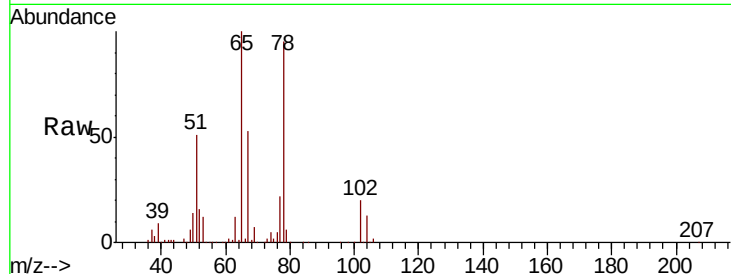
#33
 1,2-Dichloroethane-d4
 Concen: 46.999 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion: 65 Resp: 470476
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4

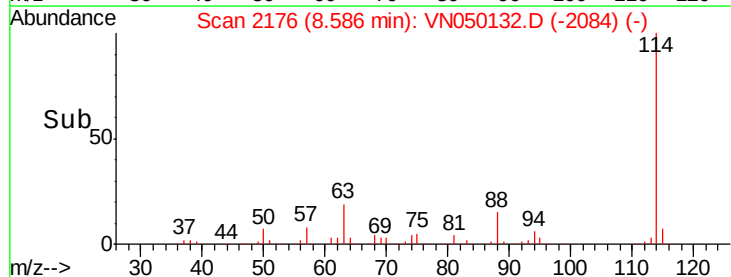
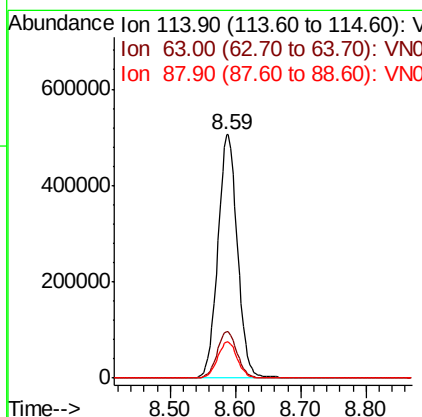
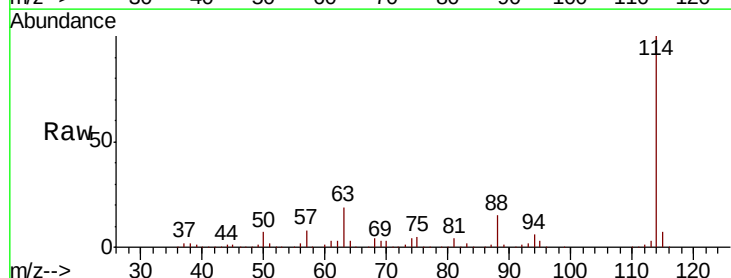
Manual Integrations
 APPROVED

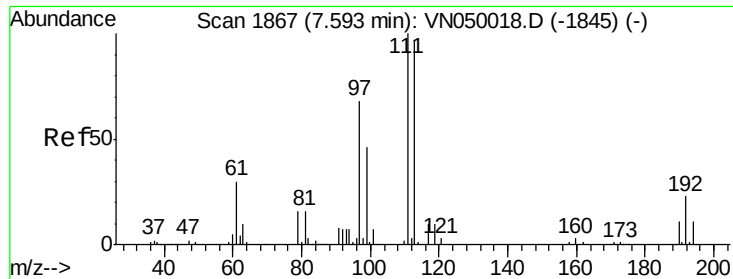
MMDadoda
 7/30/2018 1:37:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion: 114 Resp: 1051694
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.0 0.0 31.2





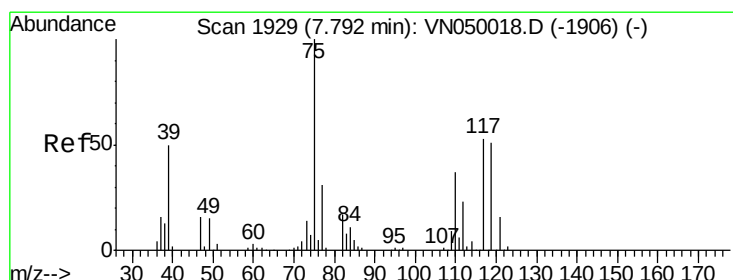
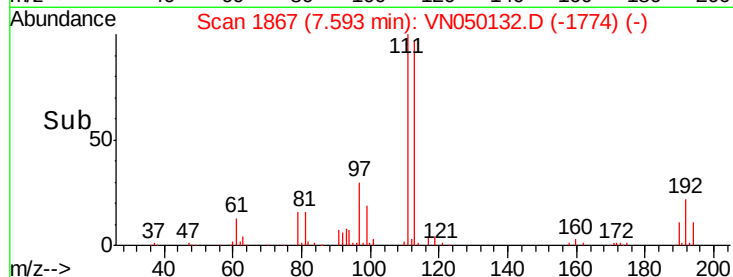
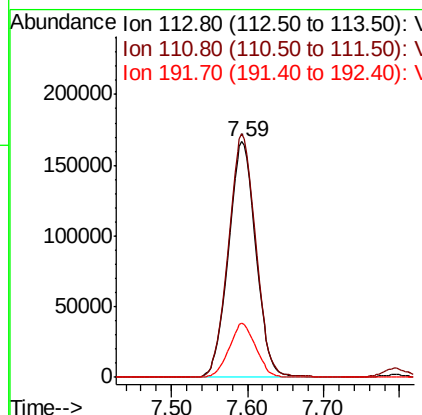
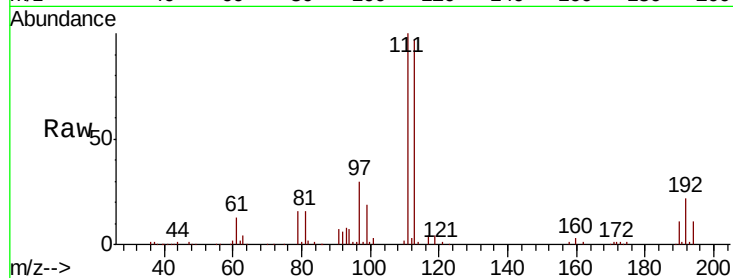
#35
 Dibromofluoromethane
 Concen: 48.635 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	80.7	121.1	
192	22.3	17.8	26.6	

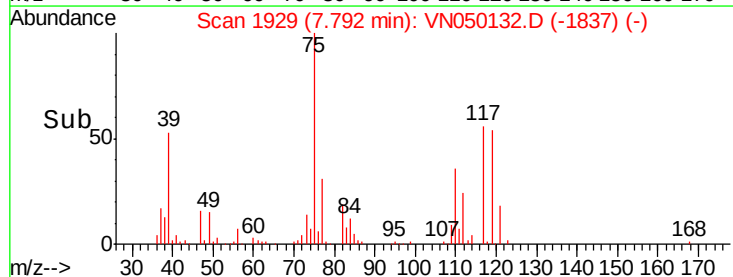
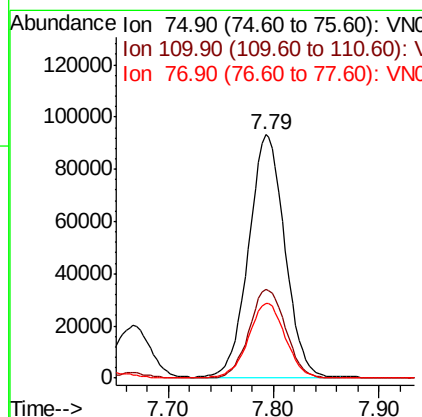
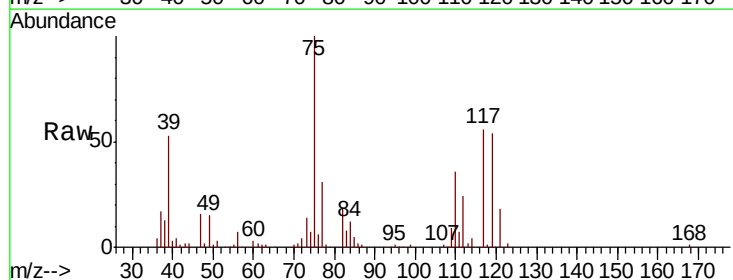
Manual Integrations
 APPROVED

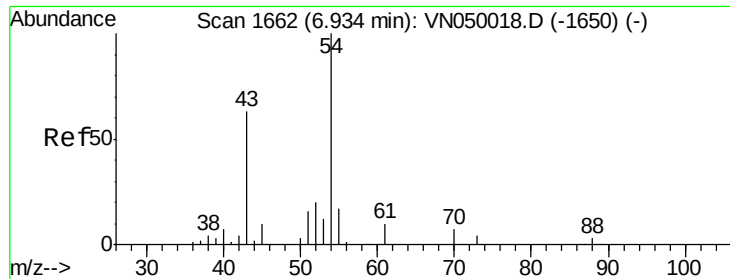
MMDadoda
 7/30/2018 1:37:18 PM



#36
 1,1-Dichloropropene
 Concen: 18.702 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.4	55.2	
77	31.6	25.3	37.9	





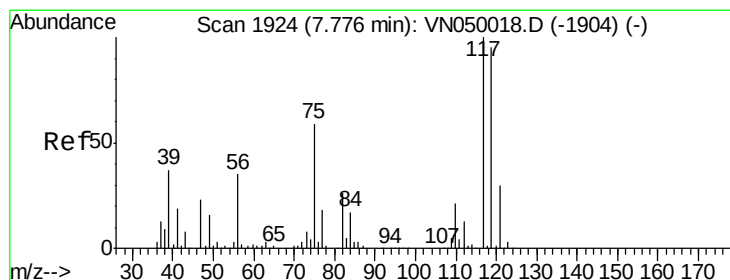
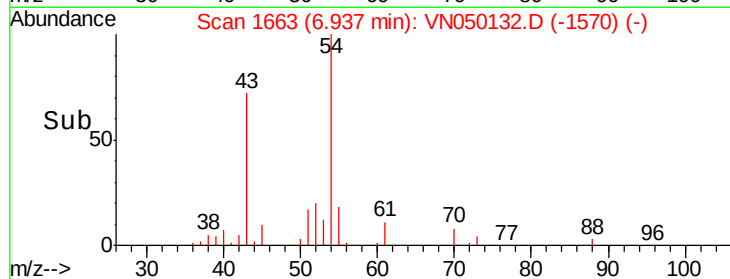
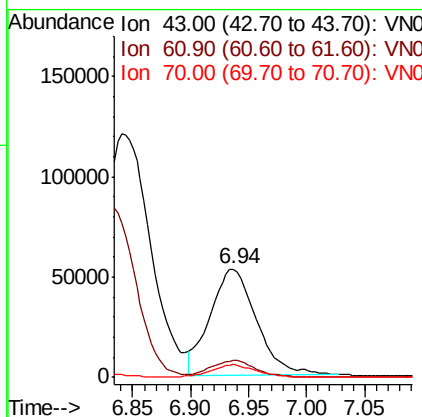
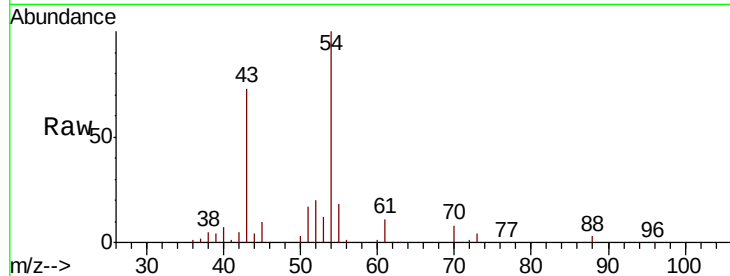
#37
Ethyl Acetate
Concen: 17.969 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	43	61	70
Resp	148445	11.8	8.4
Ratio	100	14.5	11.8
Lower		11.8	8.4
Upper		17.8	12.6

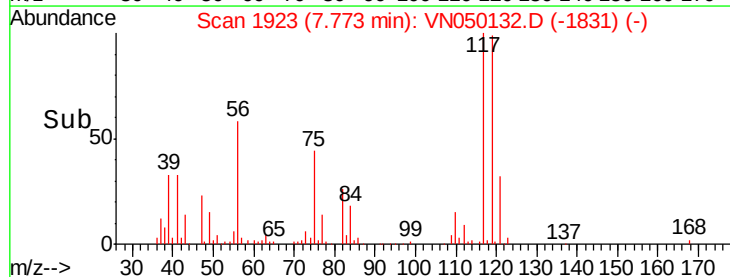
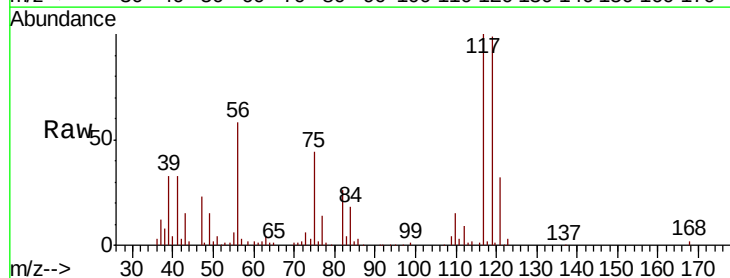
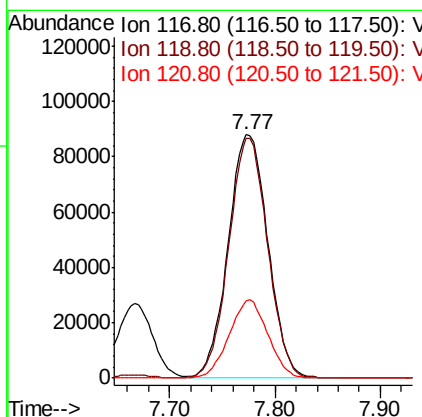
Manual Integrations
APPROVED

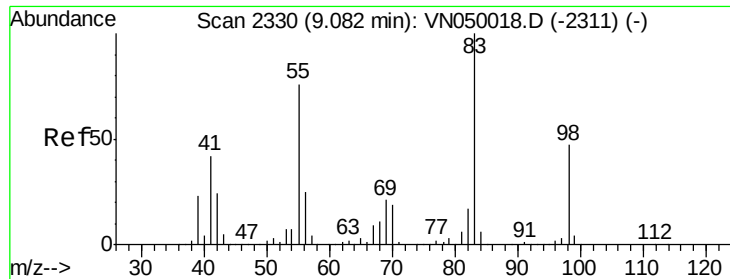
MMDadoda
7/30/2018 1:37:18 PM



#38
Carbon Tetrachloride
Concen: 18.315 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	117	119	121
Resp	230261	77.4	23.9
Ratio	100	98.5	31.7
Lower		77.4	23.9
Upper		116.0	35.9





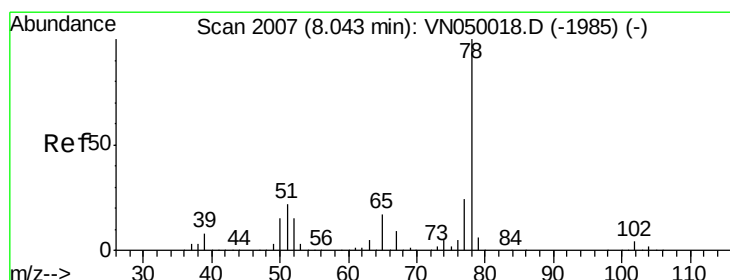
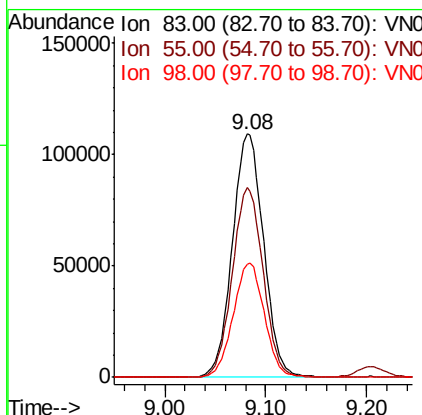
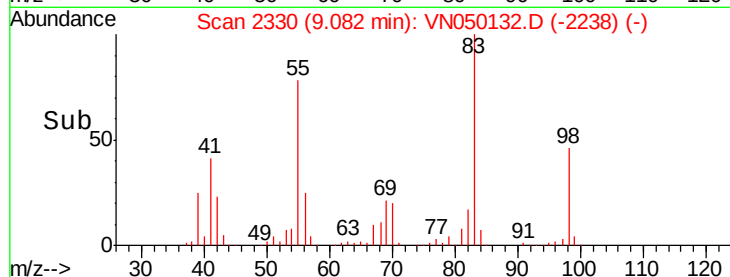
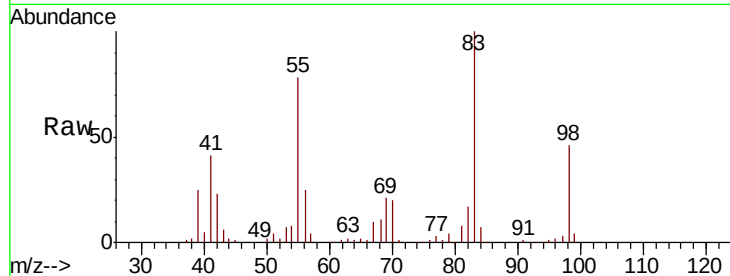
#39
Methylvlcyclohexane
Concen: 19.295 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	235187		
55	77.7	61.8	92.8	
98	46.4	36.5	54.7	

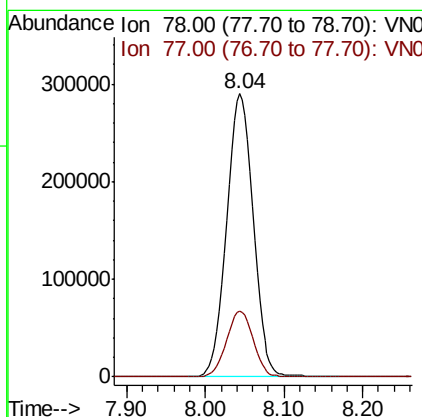
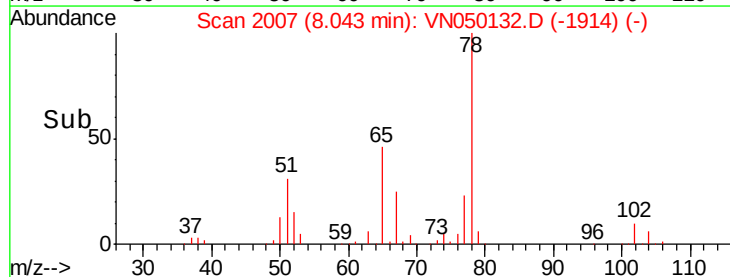
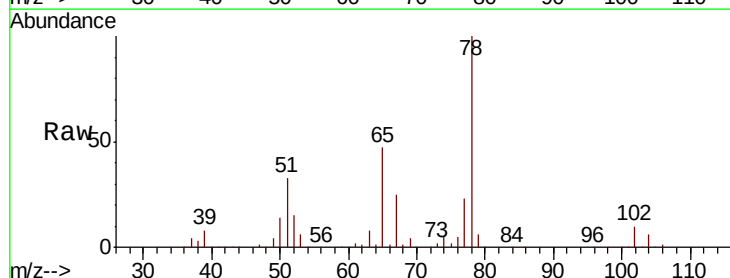
Manual Integrations
APPROVED

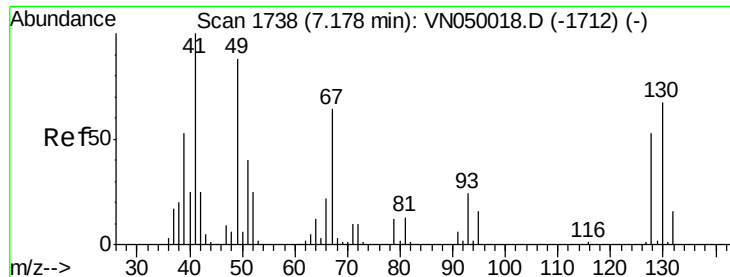
MMDadoda
7/30/2018 1:37:18 PM



#40
Benzene
Concen: 18.845 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	679467		
77	23.2	18.7	28.1	





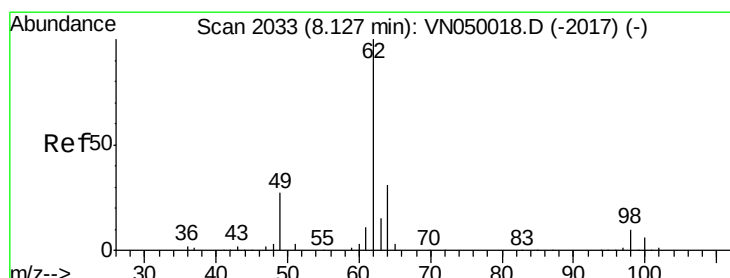
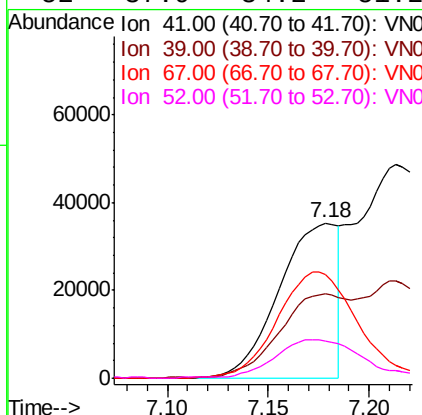
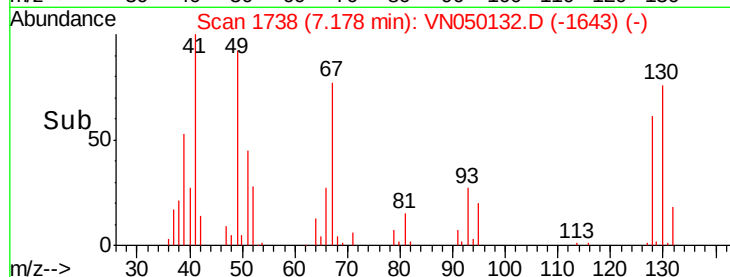
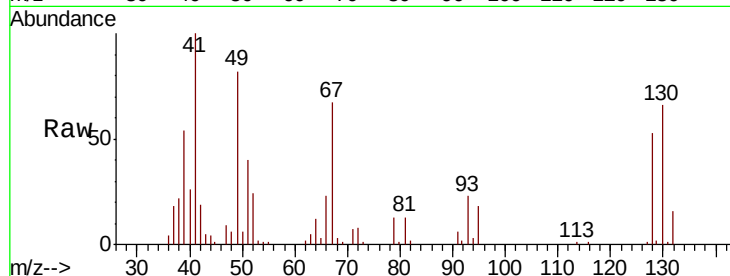
#41
Methacrylonitrile
Concen: 18.471 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion:	41	Resp:	71581
Ion Ratio	Lower	Upper	
41	100		
39	63.7	55.8	83.6
67	93.8	84.3	126.5
52	37.9	34.2	51.2

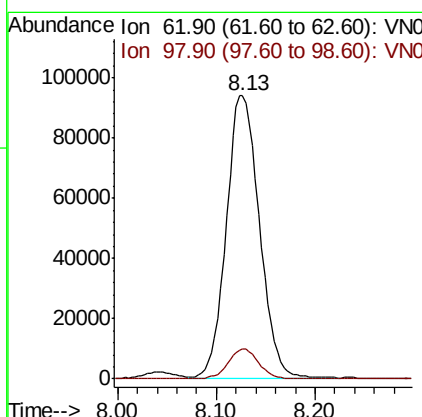
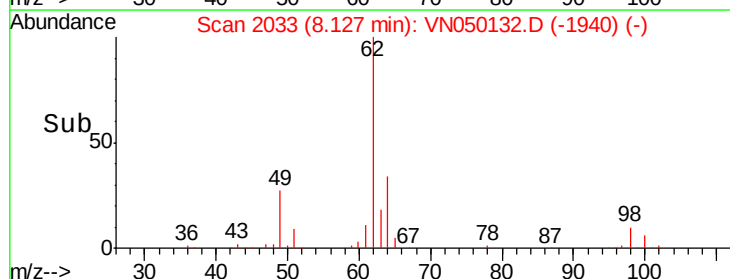
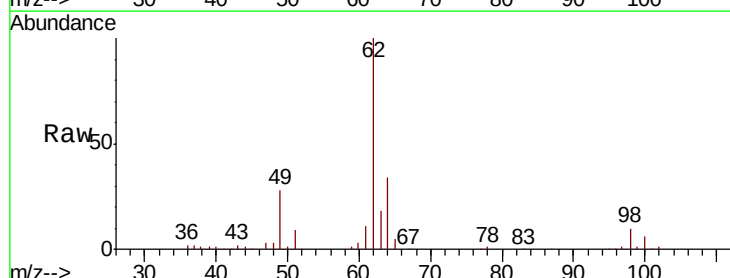
Manual Integrations
APPROVED

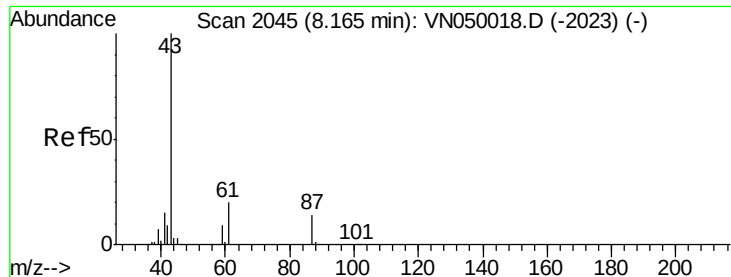
MMDadoda
7/30/2018 1:37:18 PM



#42
1,2-Dichloroethane
Concen: 18.282 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion:	62	Resp:	219907
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	18.8





#43

Isopropyl Acetate

Concen: 18.186 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

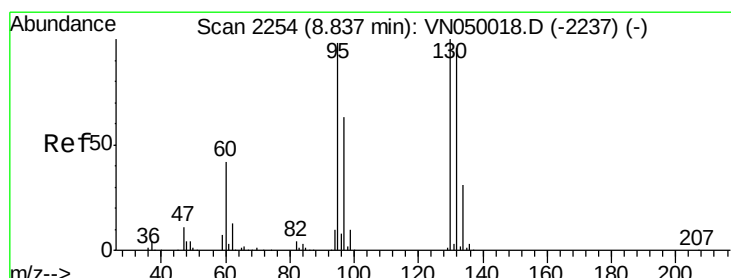
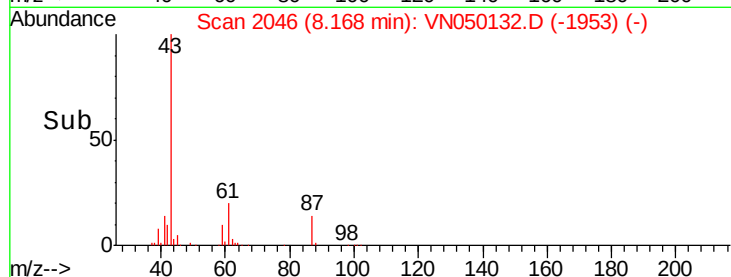
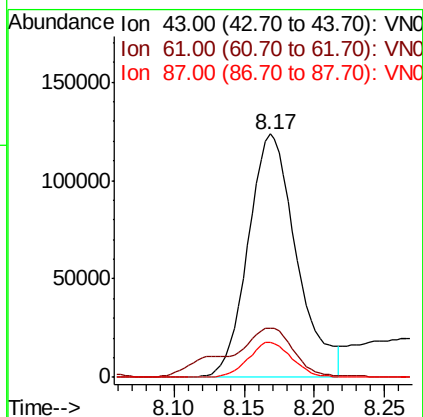
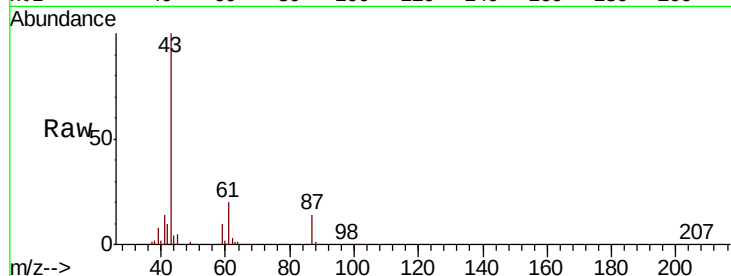
ClientSampleId :

VN0727WBS02

Tot Ion:	43	Resp:	294396
Ion Ratio	Lower	Upper	
43	100		
61	19.9	15.8	23.6
87	13.1	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#44

Trichloroethene

Concen: 18.536 ug/l

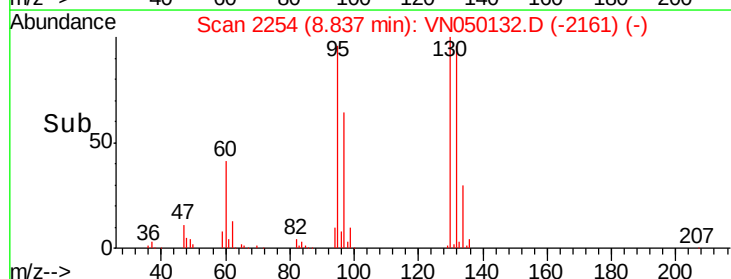
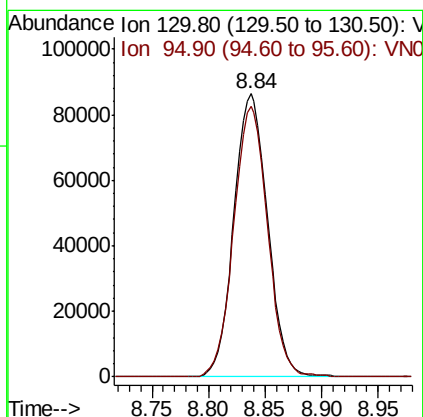
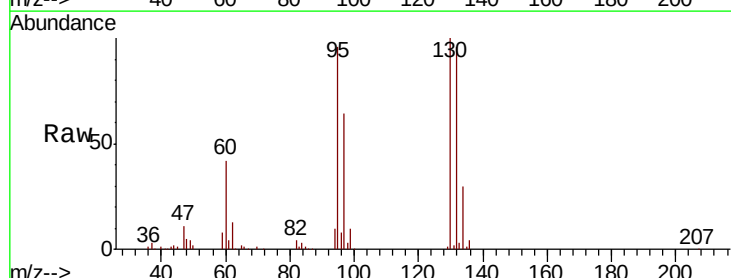
RT: 8.84 min Scan# 2254

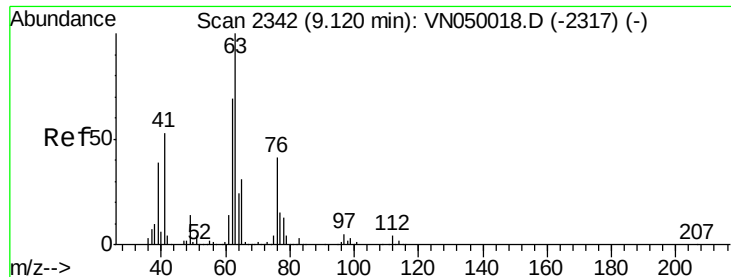
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	130	Resp:	179587
Ion Ratio	Lower	Upper	
130	100		
95	95.6	0.0	194.6





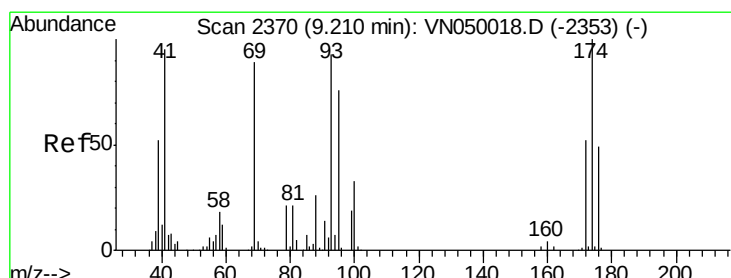
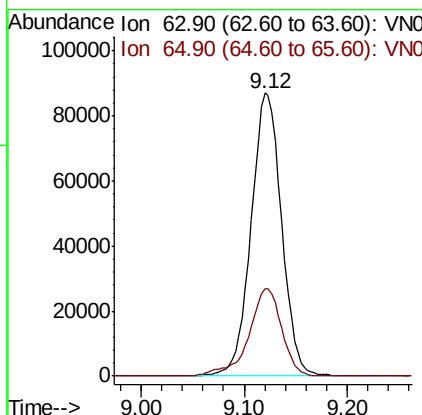
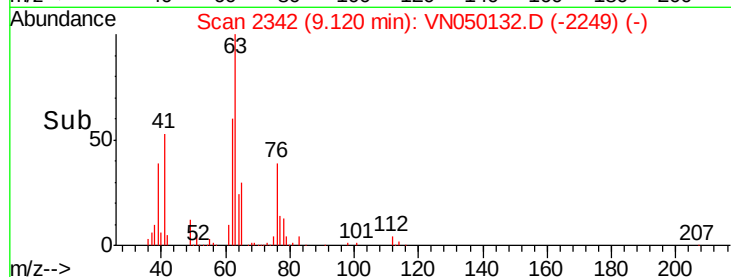
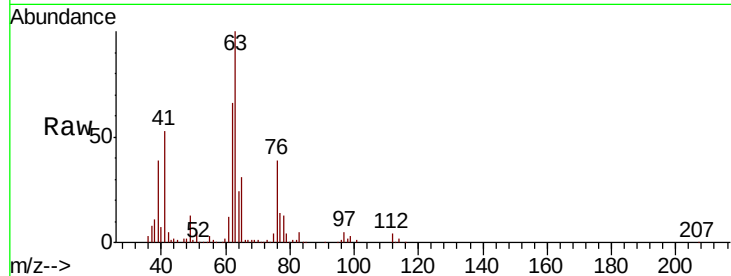
#45
 1,2-Dichloropropane
 Concen: 18.654 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.5	38.3

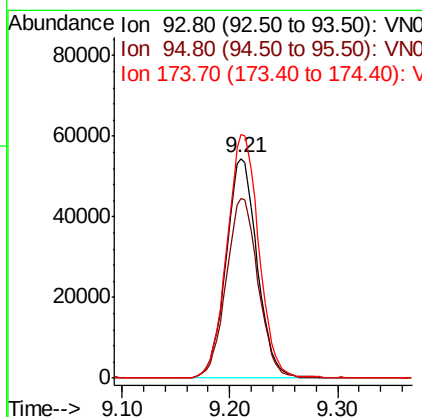
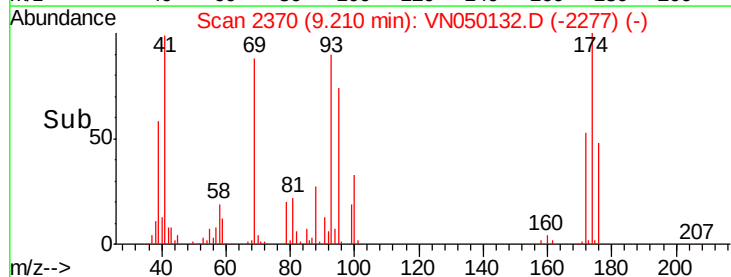
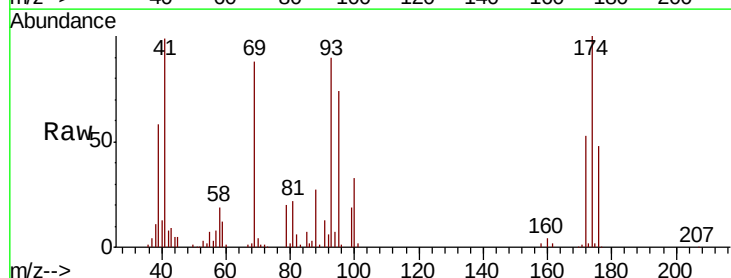
Manual Integrations
 APPROVED

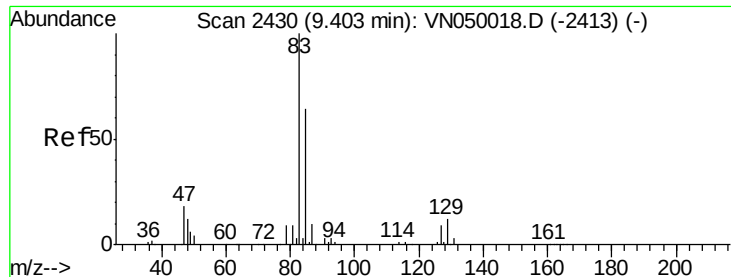
MMDadoda
 7/30/2018 1:37:18 PM



#46
 Dibromomethane
 Concen: 18.472 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.6	100.0
174	113.9	87.1	130.7





#47

Bromodichloromethane

Concen: 18.389 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

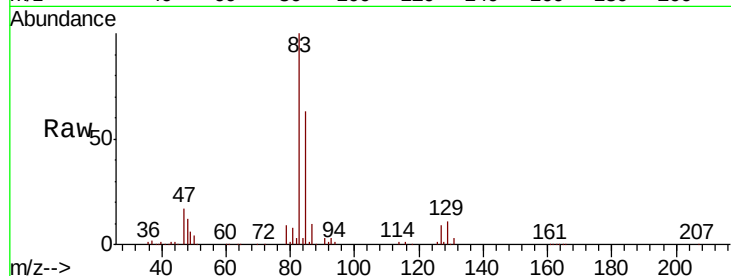
ClientSampleId :

VN0727WBS02

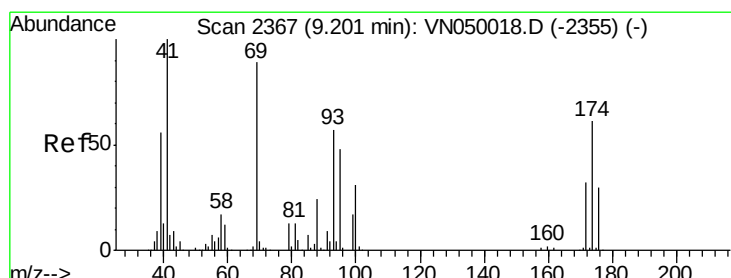
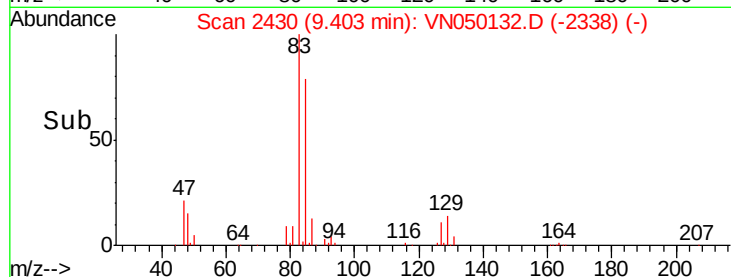
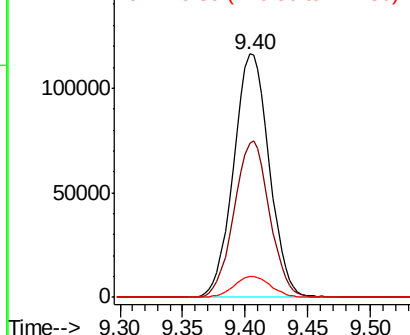
Tot Ion:	83	Resp:	230148
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.1	76.7
127	8.8	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.192 ug/l

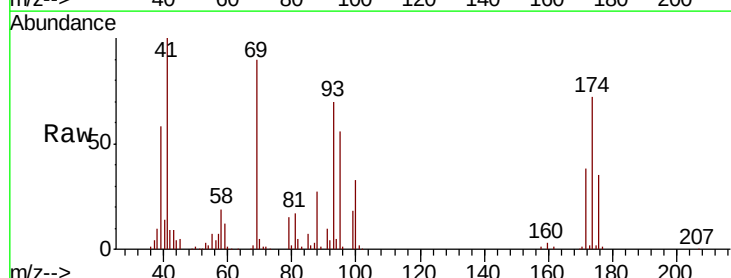
RT: 9.20 min Scan# 2368

Delta R.T. -0.00 min

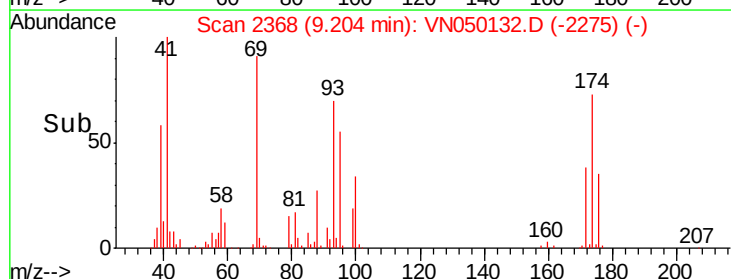
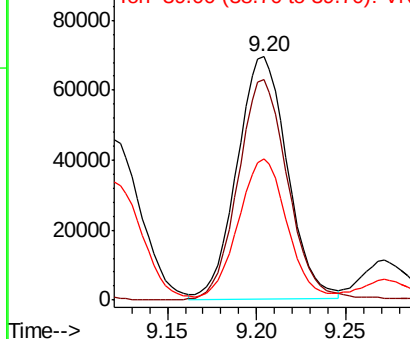
Lab File: VN050132.D

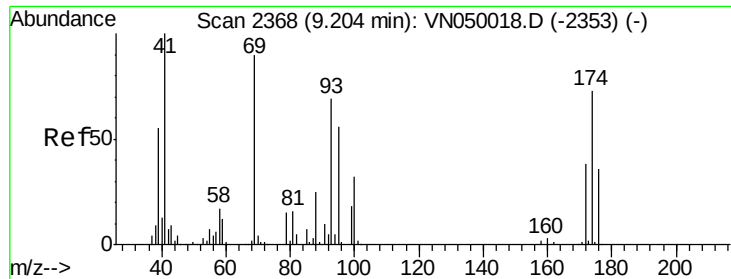
Acq: 27 Jul 2018 16:13

Tgt Ion:	41	Resp:	136548
Ion Ratio	Lower	Upper	
41	100		
69	90.5	70.6	105.8
39	55.9	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





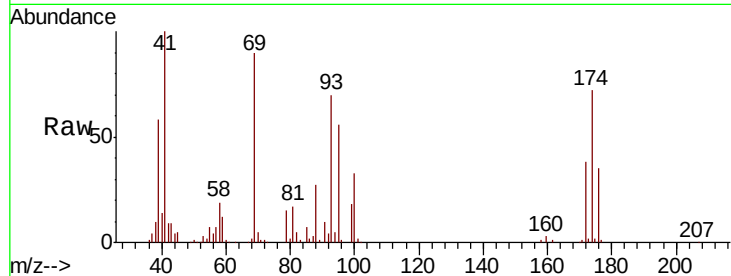
#49
1,4-Dioxane
Concen: 399.183 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	26.9	40.3
58	68.6	57.3	85.9

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM

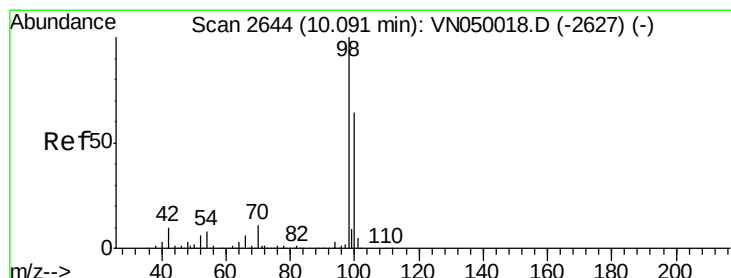
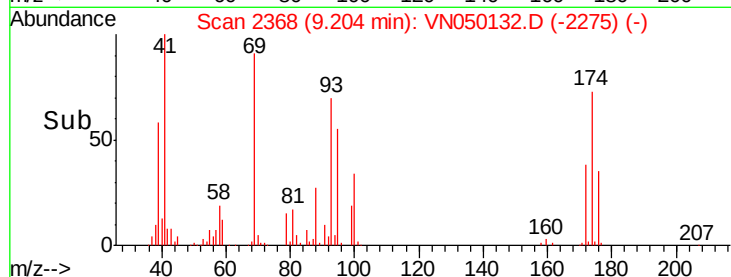
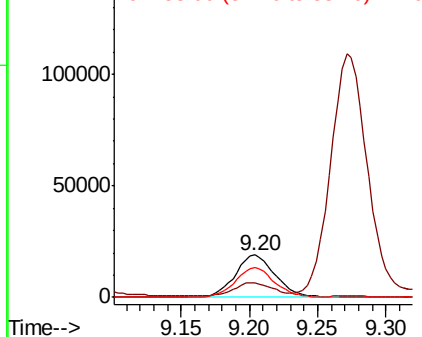


Abundance

Ion 88.00 (87.70 to 88.70): VN0

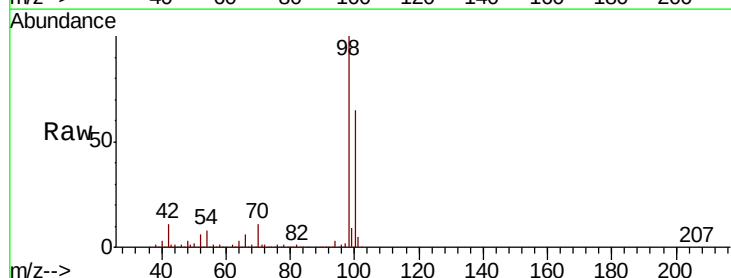
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 48.651 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

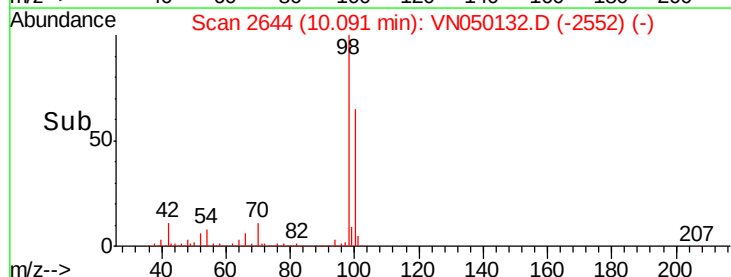
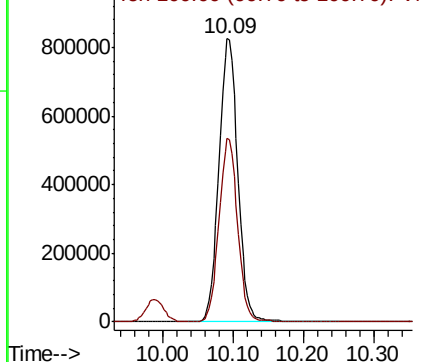
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.7	76.1

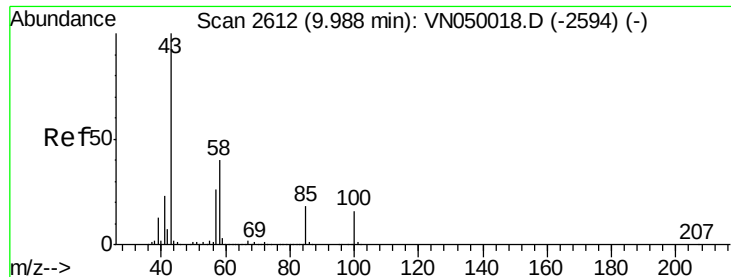


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





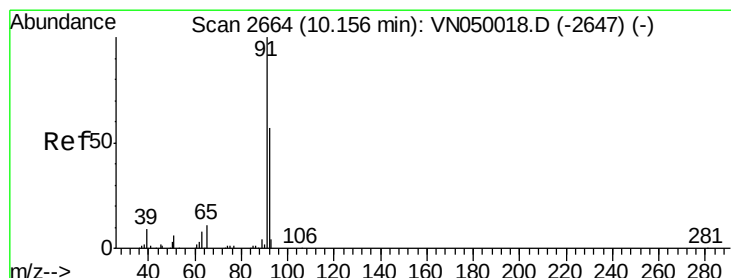
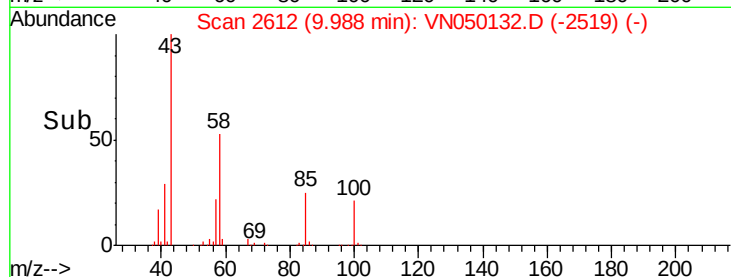
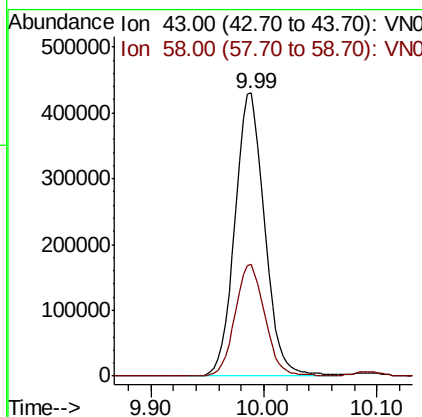
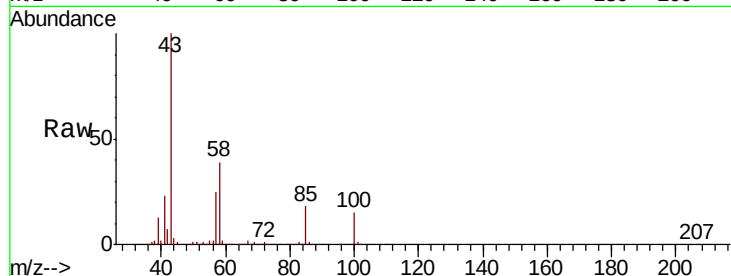
#51
4-Methyl-2-Pentanone
Concen: 96.754 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9

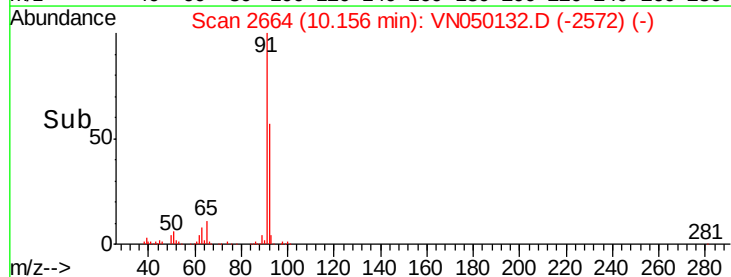
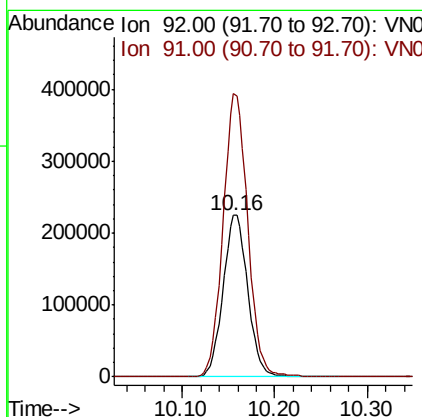
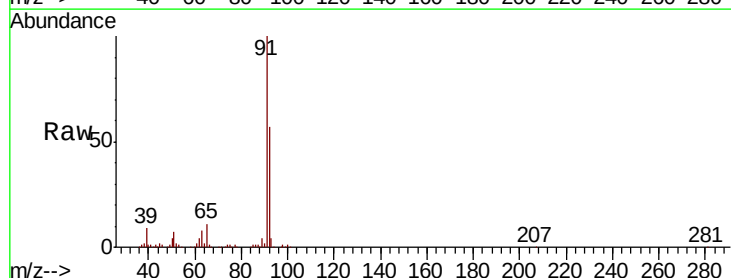
Manual Integrations
APPROVED

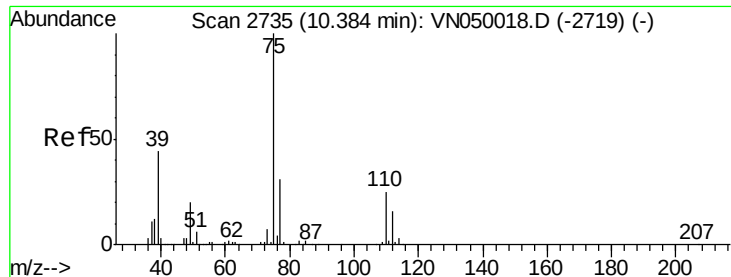
MMDadoda
7/30/2018 1:37:18 PM



#52
Toluene
Concen: 19.460 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.6	140.3	210.5





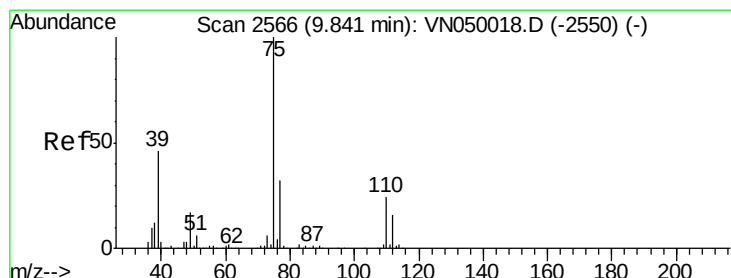
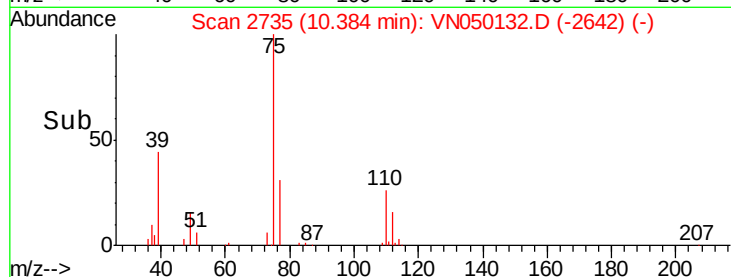
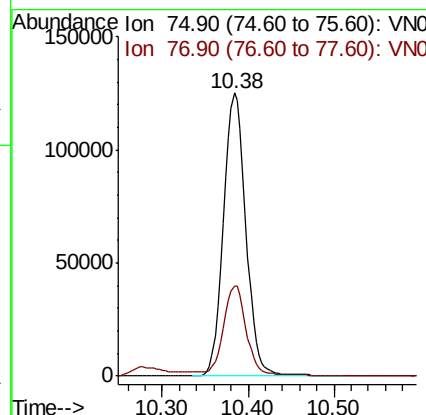
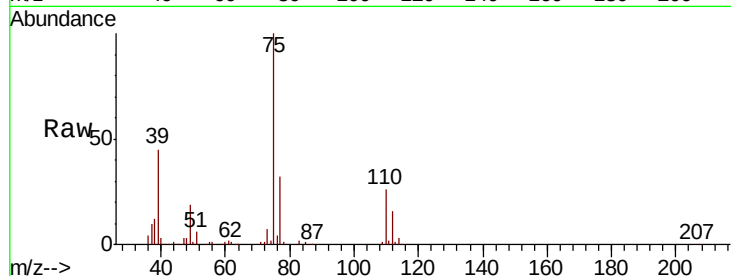
#53
 t-1,3-Dichloropropene
 Concen: 19.270 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3

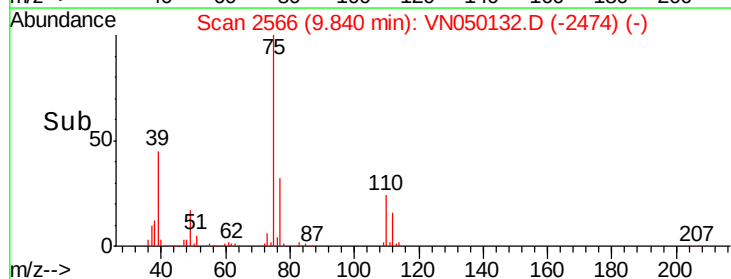
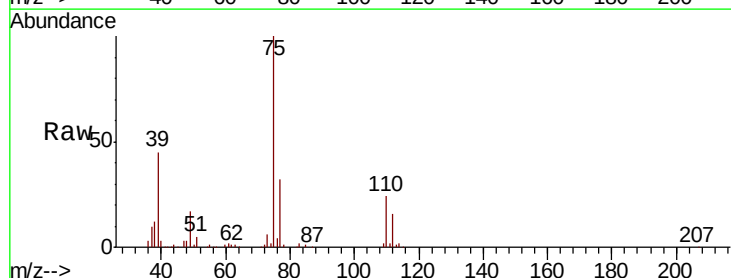
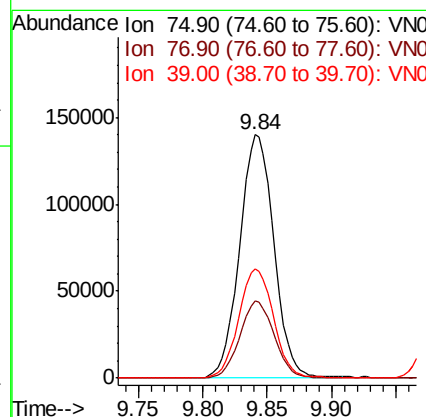
Manual Integrations
 APPROVED

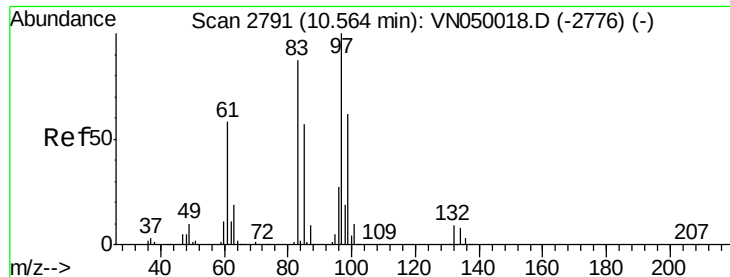
MMDadoda
 7/30/2018 1:37:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.196 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.0	36.6	55.0





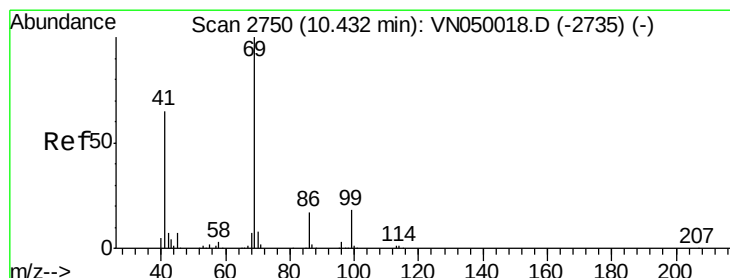
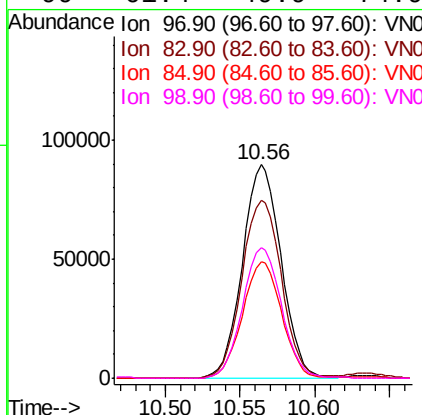
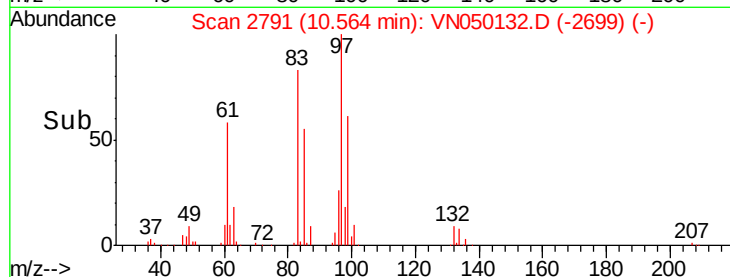
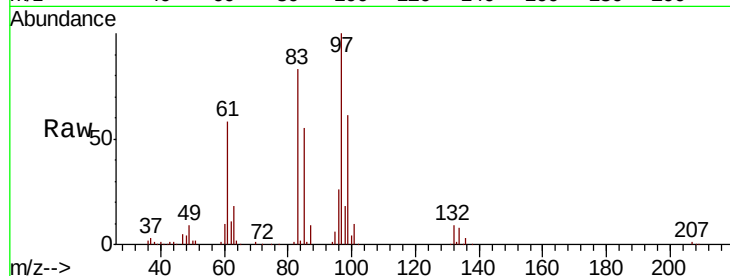
#55
 1,1,2-Trichloroethane
 Concen: 19.131 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion:	97	Resp:	161500
Ion	Ratio	Lower	Upper
97	100		
83	83.1	69.2	103.8
85	54.5	44.0	66.0
99	61.4	49.9	74.9

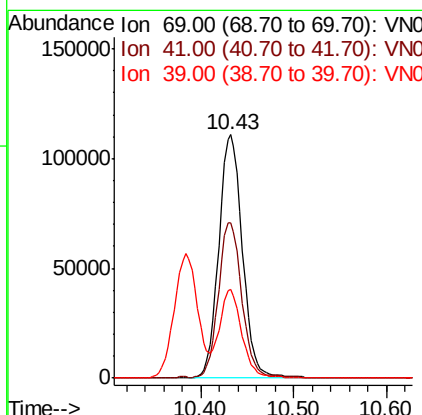
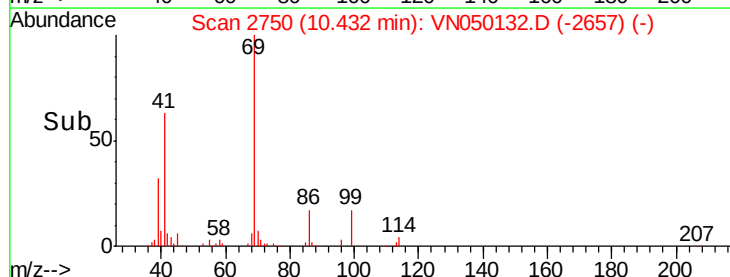
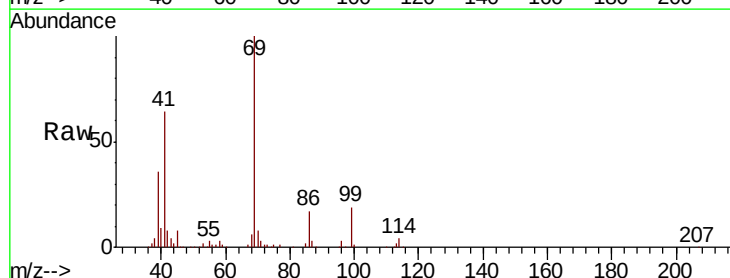
Manual Integrations
 APPROVED

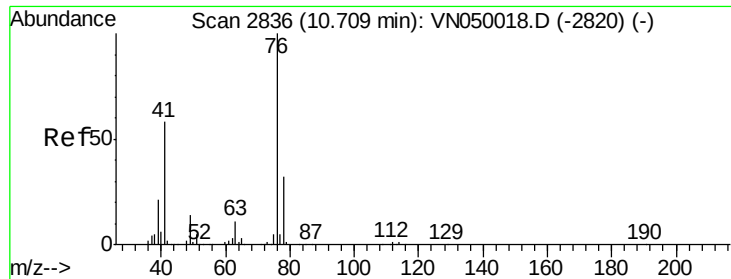
MMDadoda
 7/30/2018 1:37:18 PM



#56
 Ethyl methacrylate
 Concen: 18.493 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion:	69	Resp:	196228
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	34.3	26.6	40.0





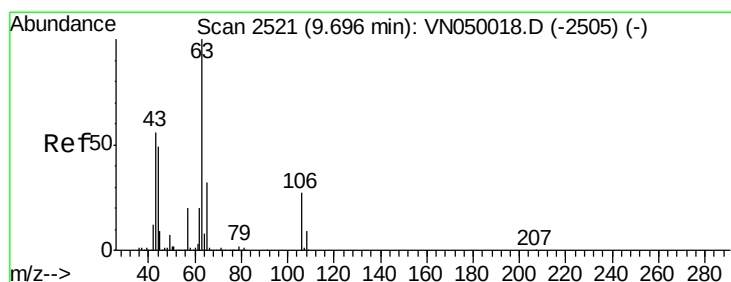
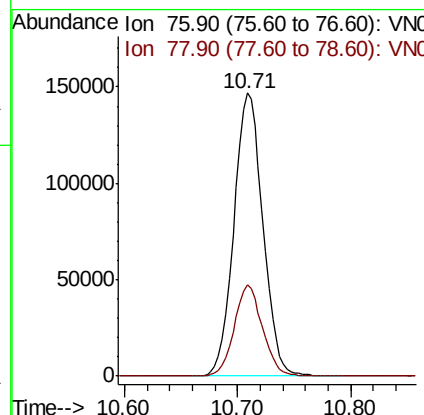
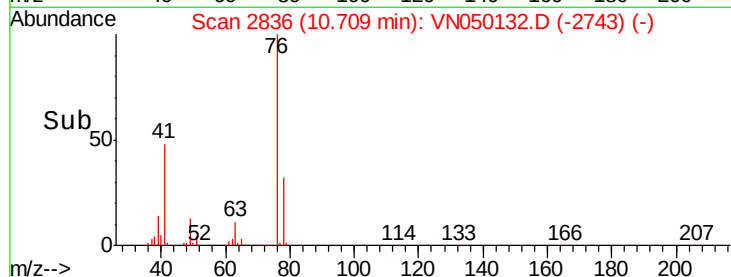
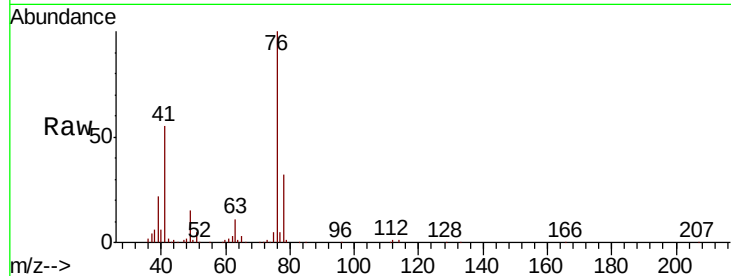
#57
 1,3-Dichloropropane
 Concen: 19.023 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.7	38.5

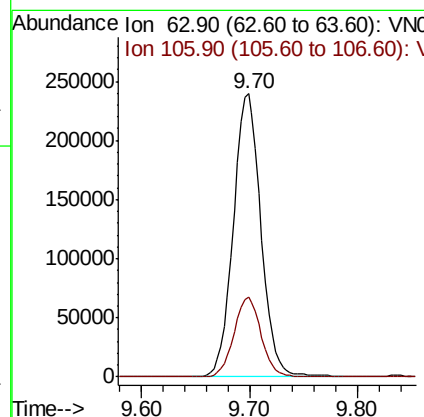
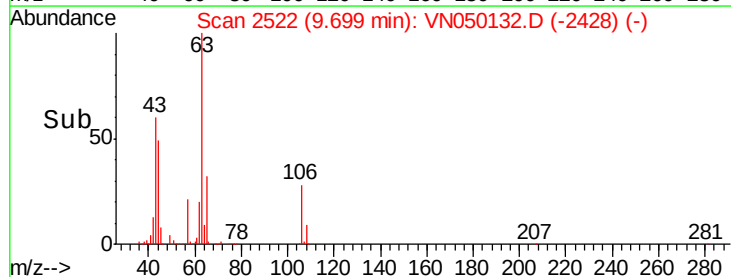
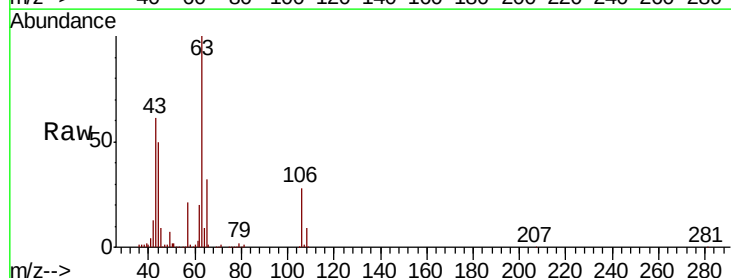
Manual Integrations
 APPROVED

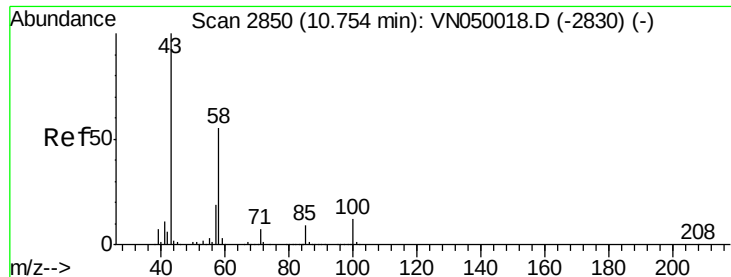
MMDadoda
 7/30/2018 1:37:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.458 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.7	32.5





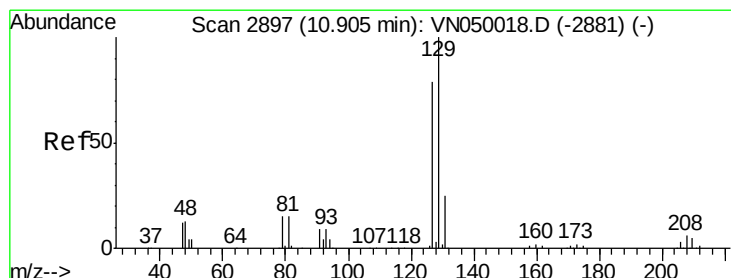
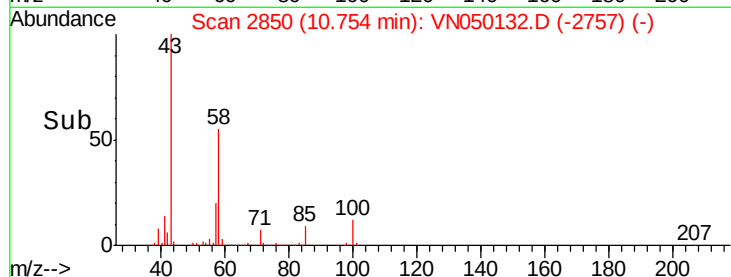
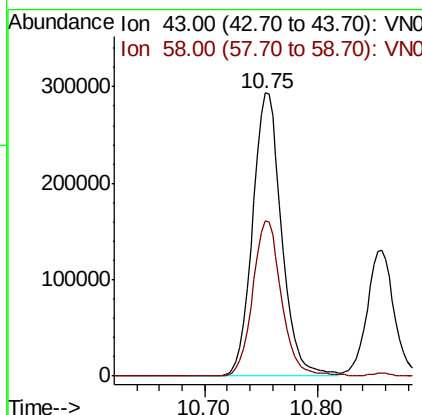
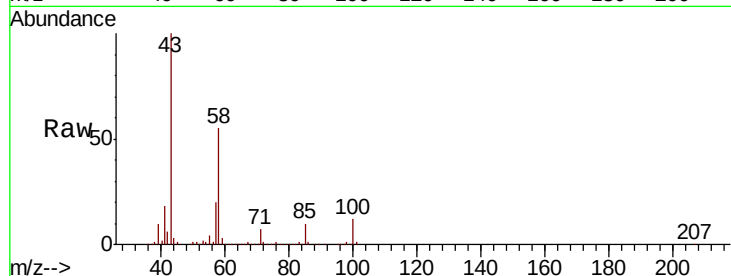
#59
2-Hexanone
Concen: 90.780 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WS02

Tot Ion: 43 Resp: 521643
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

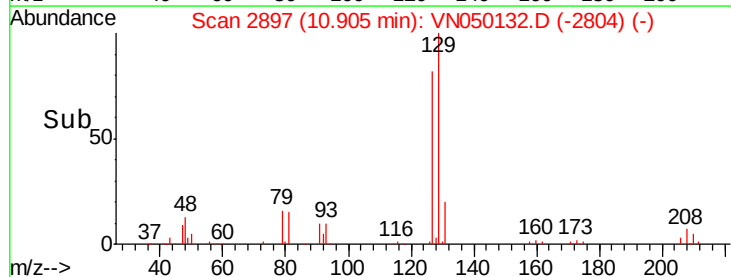
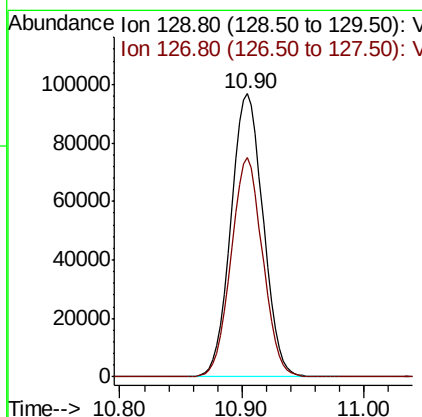
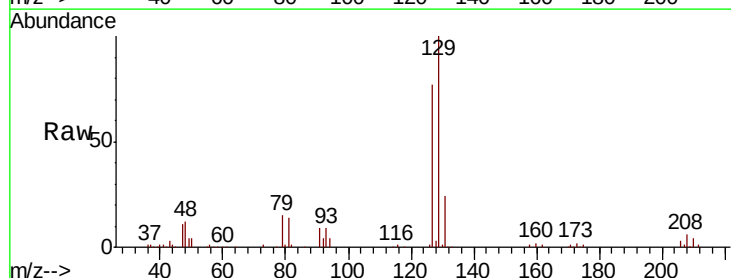
Manual Integrations
APPROVED

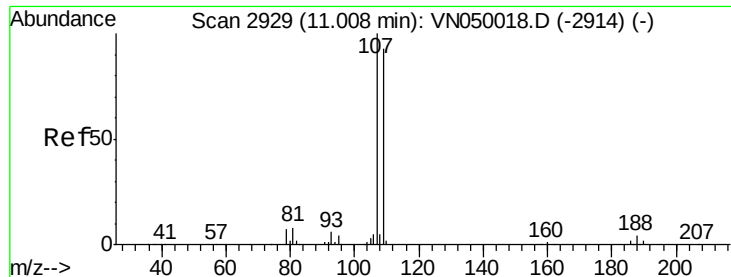
MMDadoda
7/30/2018 1:37:18 PM



#60
Dibromochloromethane
Concen: 19.045 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion: 129 Resp: 178005
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





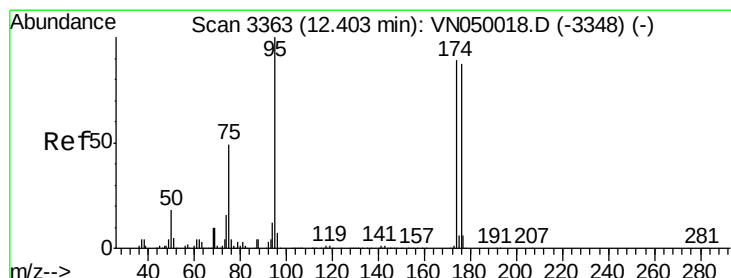
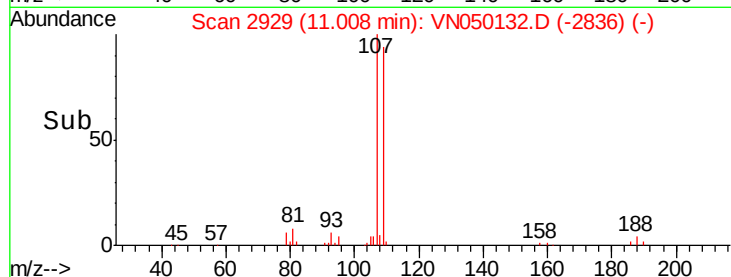
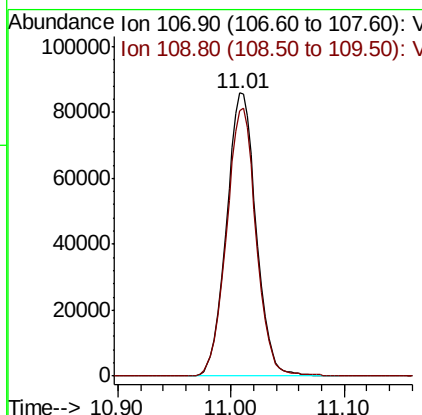
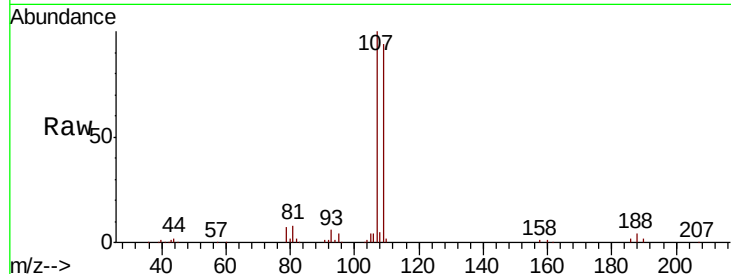
#61
 1,2-Dibromoethane
 Concen: 18.661 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.6	112.0

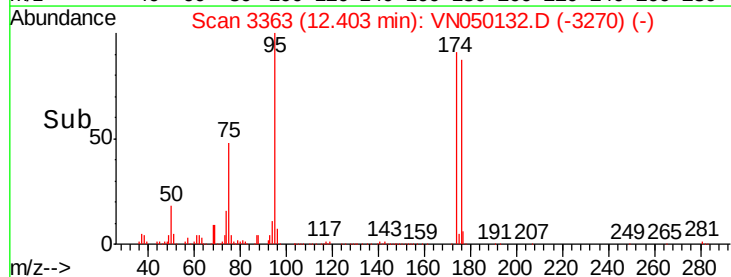
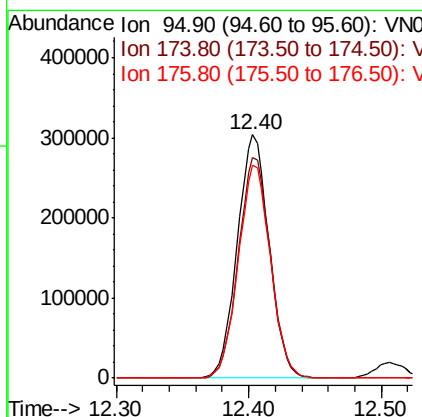
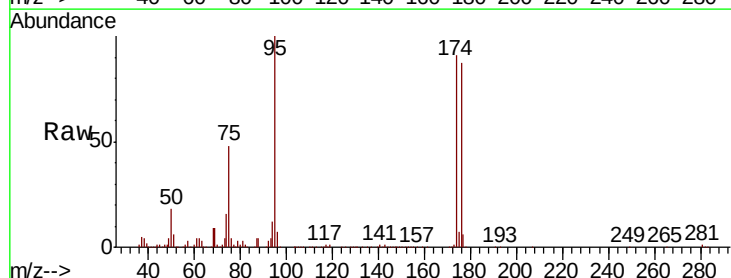
Manual Integrations
 APPROVED

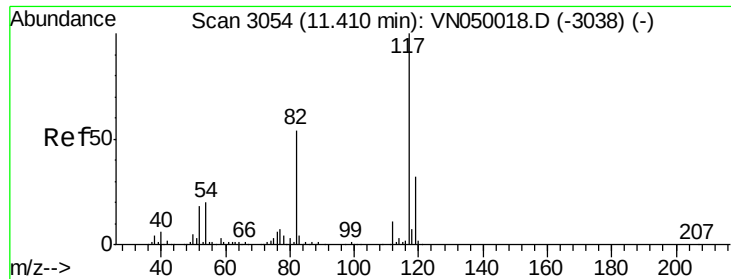
MMDadoda
 7/30/2018 1:37:18 PM



#62
 4-Bromofluorobenzene
 Concen: 48.619 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	178.2
176	88.3	0.0	173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

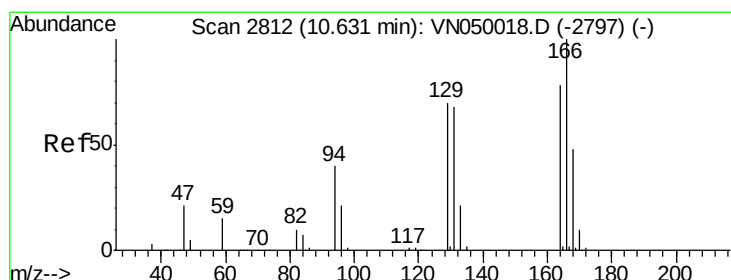
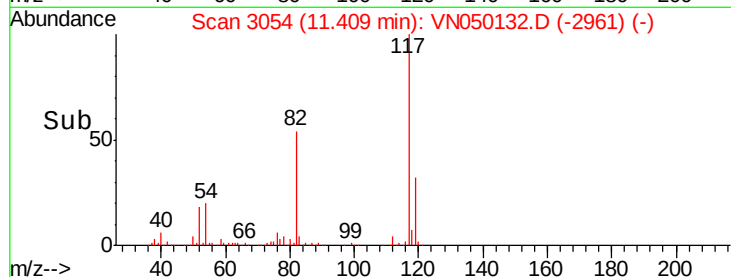
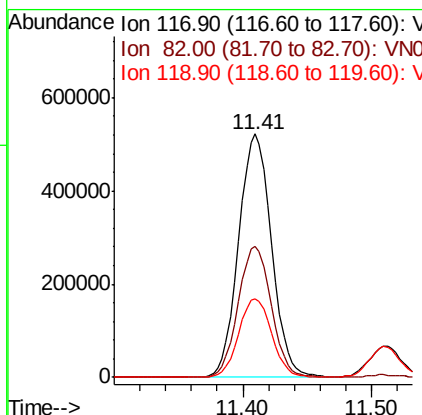
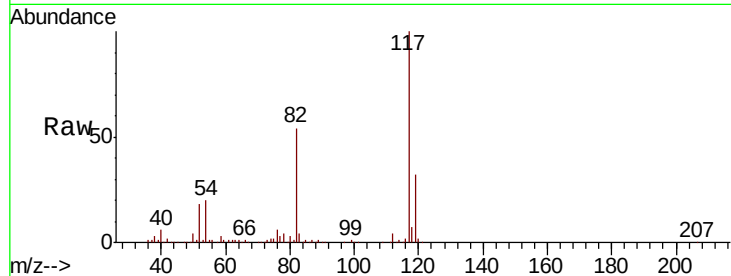
ClientSampleId :

VN0727WBS02

Tot Ion:	117	Resp:	928324
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.7	65.5
119	32.4	26.1	39.1

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#64

Tetrachloroethene

Concen: 18.932 ug/l

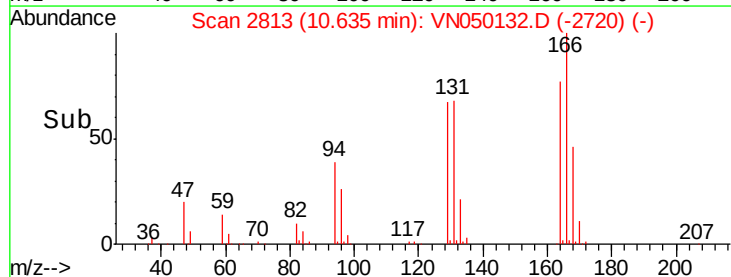
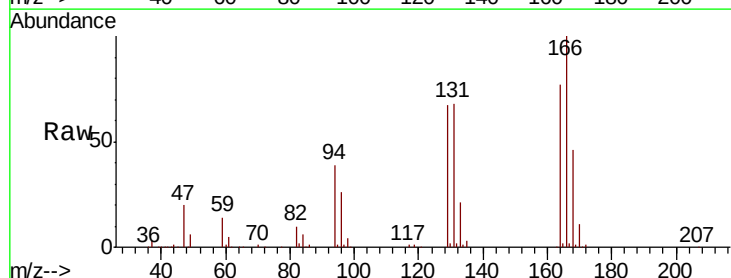
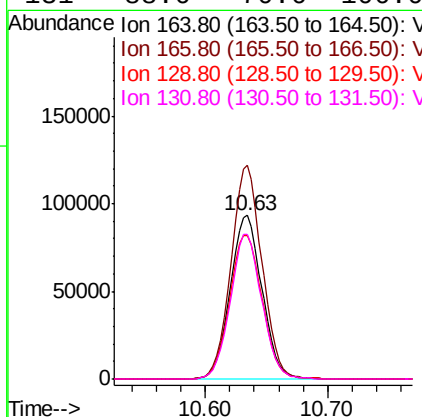
RT: 10.63 min Scan# 2813

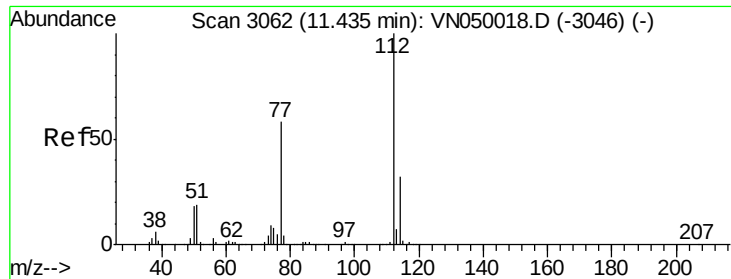
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	164	Resp:	168968
Ion Ratio	Lower	Upper	
164	100		
166	130.7	102.1	153.1
129	87.4	73.2	109.8
131	88.6	70.6	106.0





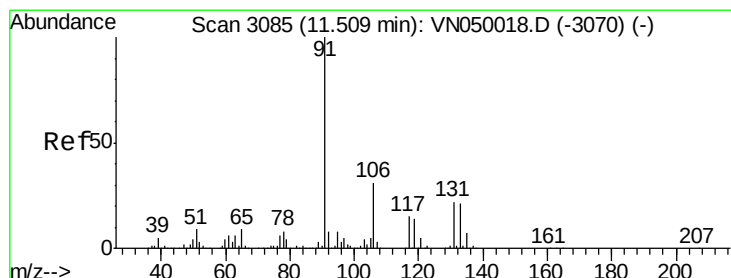
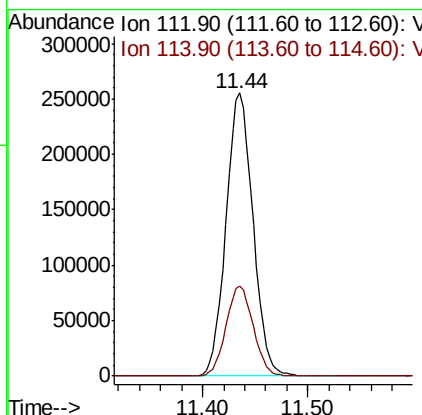
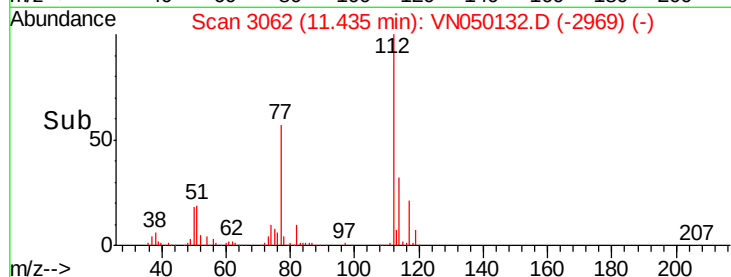
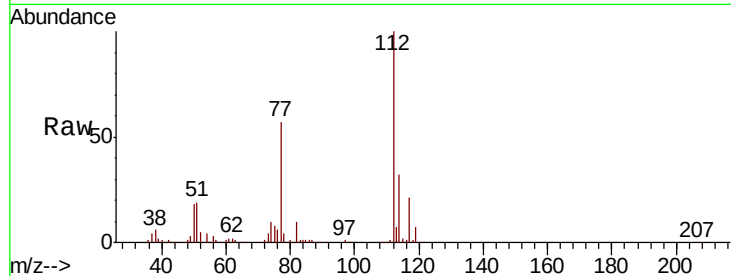
#65
Chlorobenzene
Concen: 19.191 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion:112 Resp: 450028
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

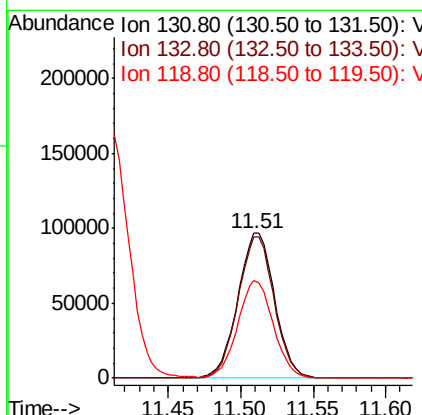
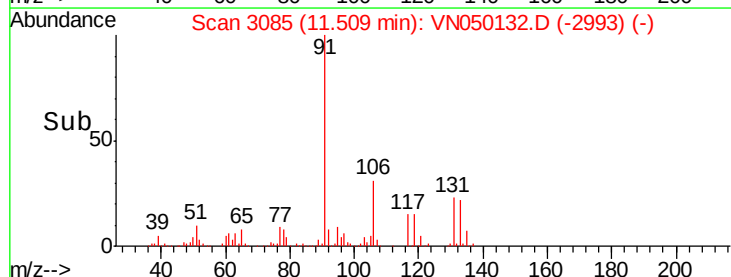
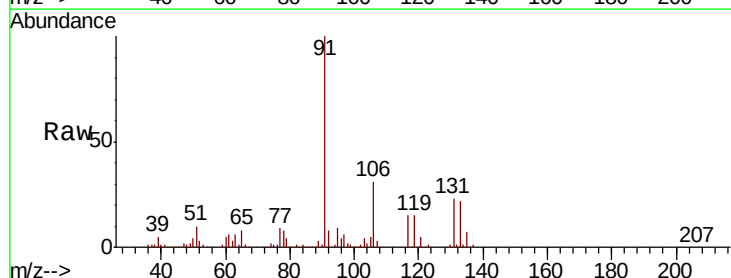
Manual Integrations
APPROVED

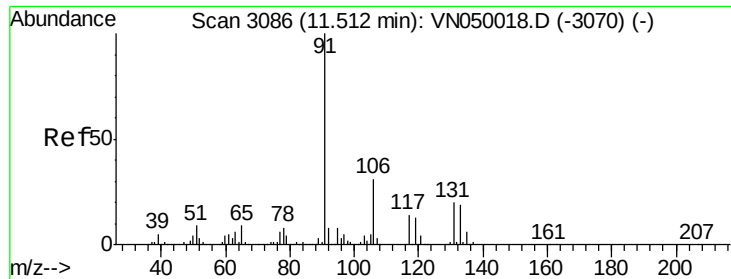
MMDadoda
7/30/2018 1:37:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.940 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion:131 Resp: 170644
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.4 32.9 98.7





#67

Ethyl Benzene

Concen: 20.075 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 91 Resp: 756192

Ion Ratio Lower Upper

91 100

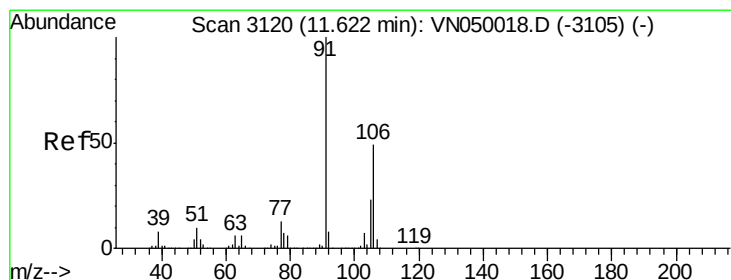
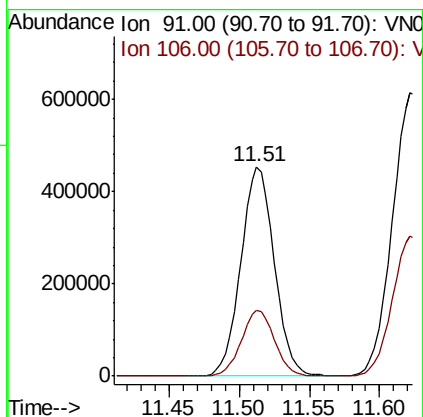
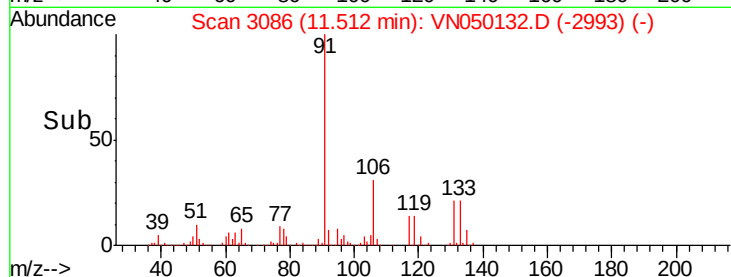
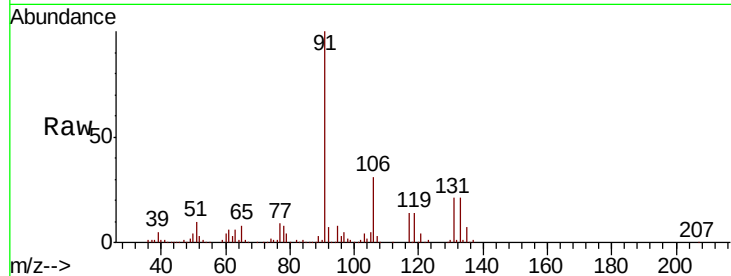
106 31.5 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#68

m/p-Xylenes

Concen: 41.159 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050132.D

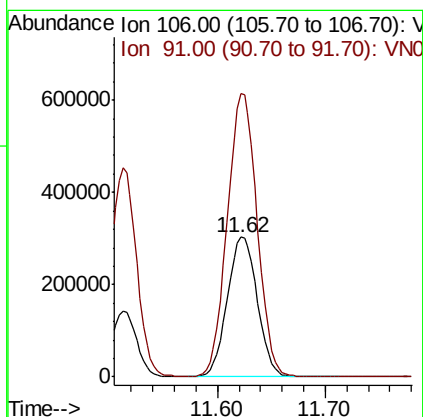
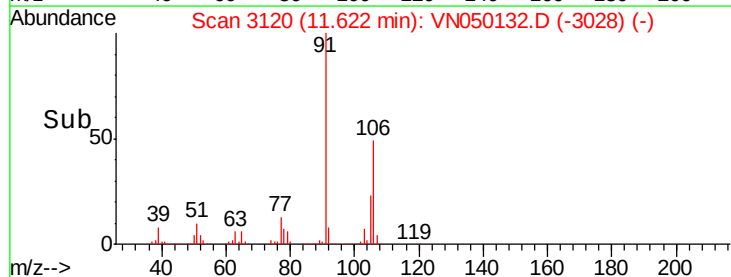
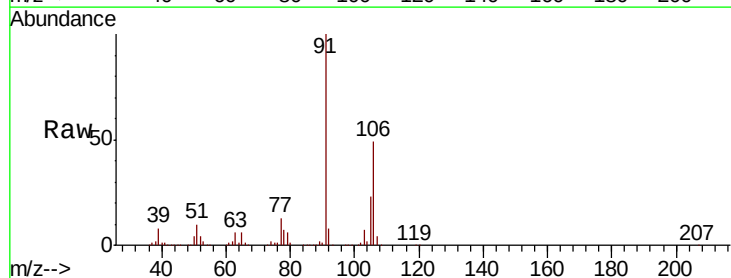
Acq: 27 Jul 2018 16:13

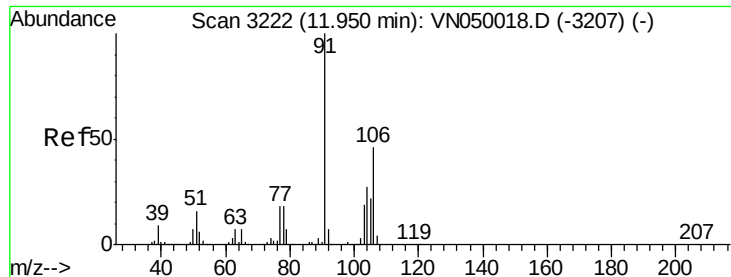
Tgt Ion: 106 Resp: 586420

Ion Ratio Lower Upper

106 100

91 202.0 162.2 243.2





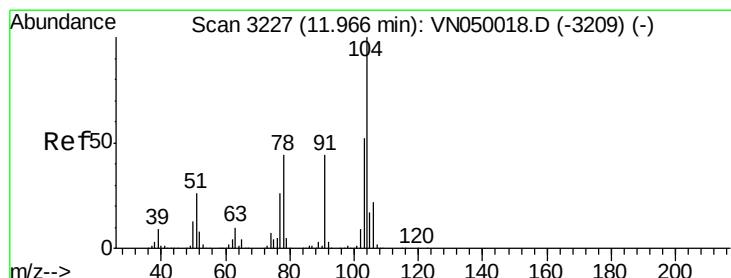
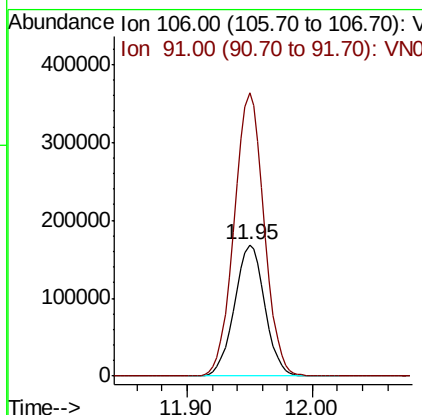
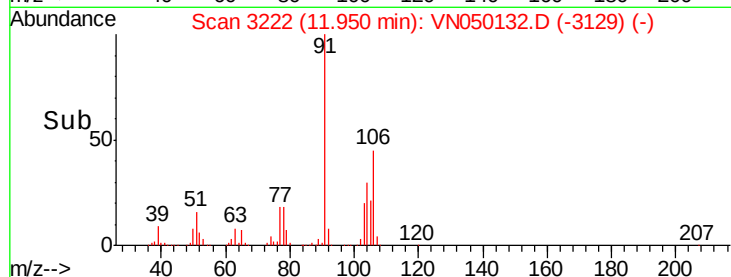
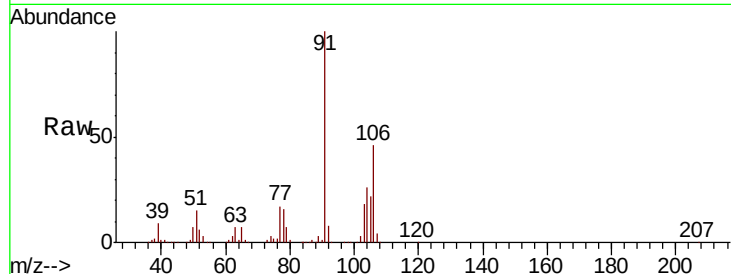
#69
o-Xylene
Concen: 20.766 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		282050		
91	213.6	107.7	323.1		

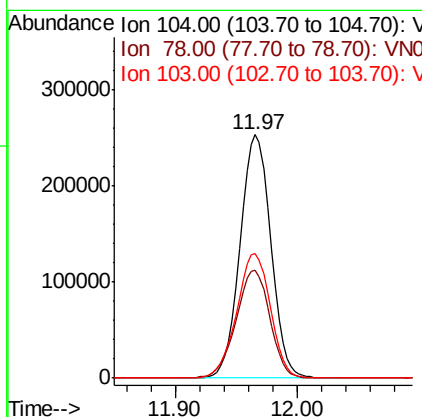
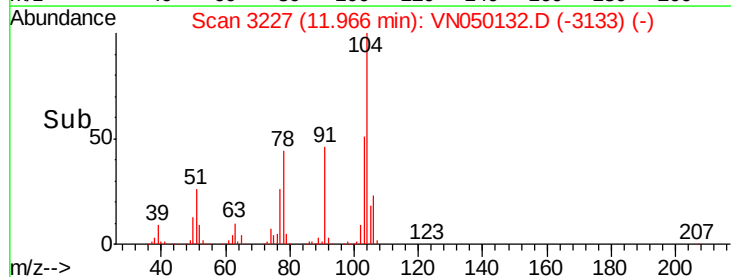
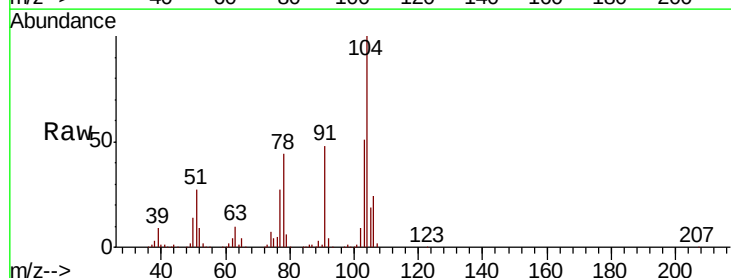
Manual Integrations
APPROVED

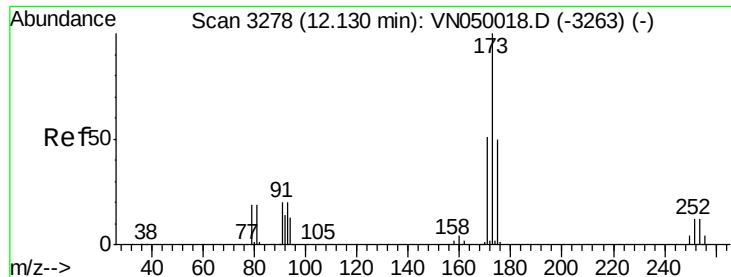
MMDadoda
7/30/2018 1:37:18 PM



#70
Styrene
Concen: 18.782 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		439506		
78	48.8	39.3	58.9		
103	56.2	45.0	67.6		





#71

Bromoform

Concen: 18.714 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

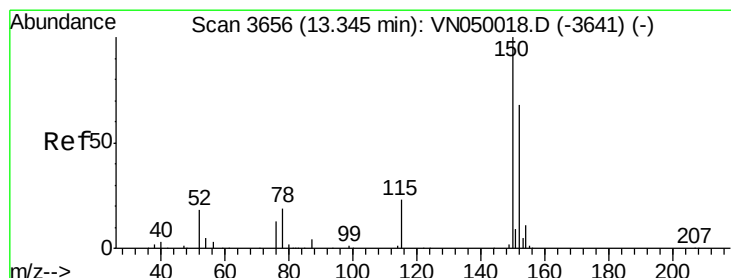
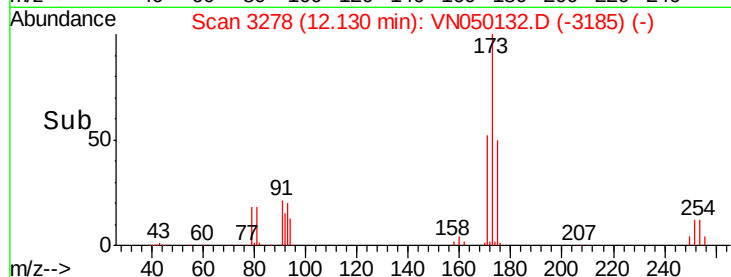
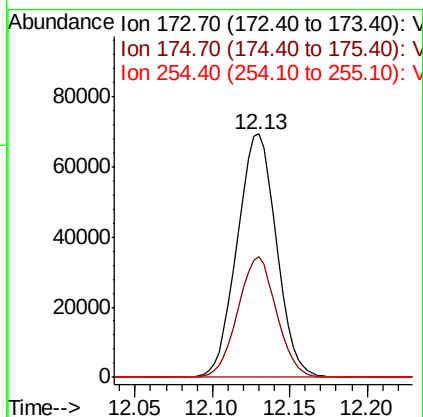
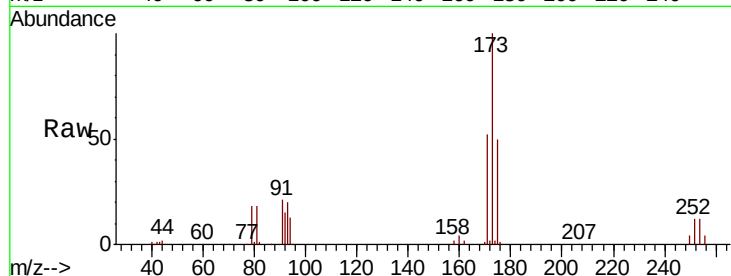
ClientSampleId :

VN0727WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

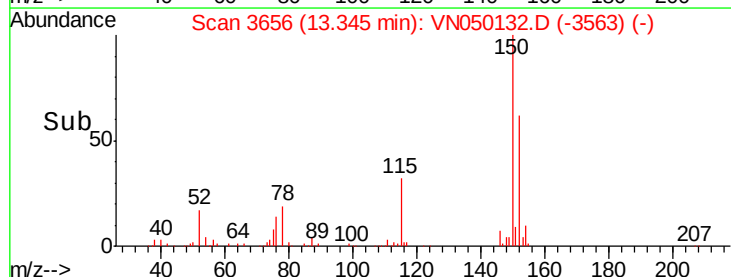
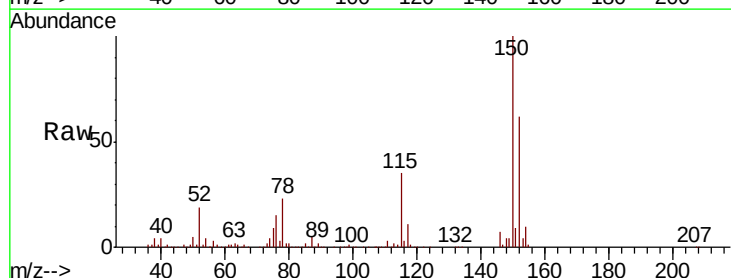
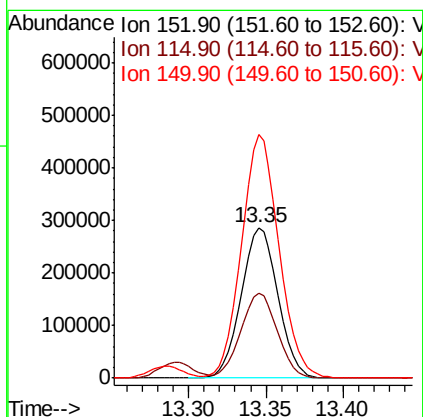
RT: 13.35 min Scan# 3656

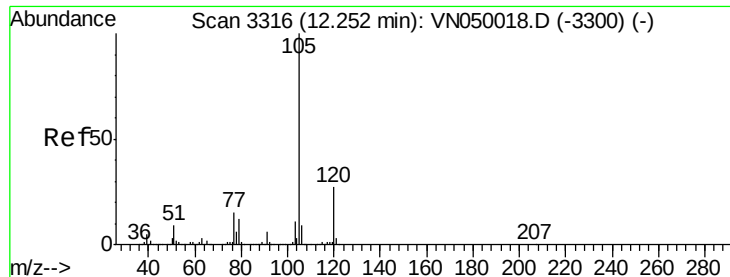
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.3
150	165.0	0.0	348.6





#73

Isopropylbenzene

Concen: 20.715 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 105 Resp: 759548

Ion Ratio Lower Upper

105 100

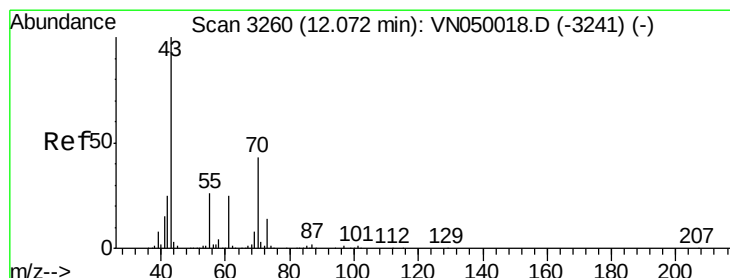
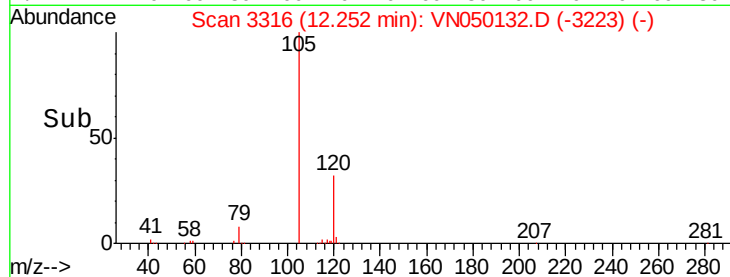
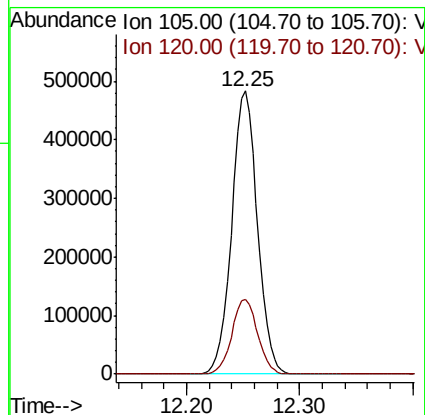
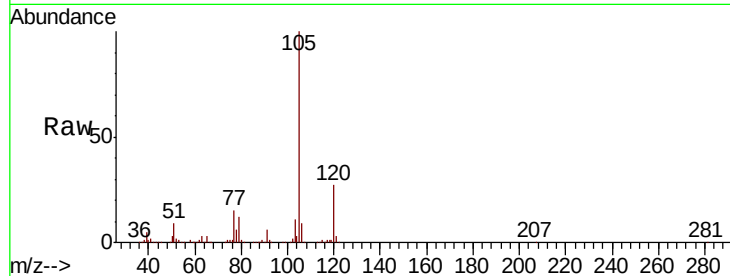
120 26.7 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#74

N-ethyl acetate

Concen: 18.741 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion: 43 Resp: 210026

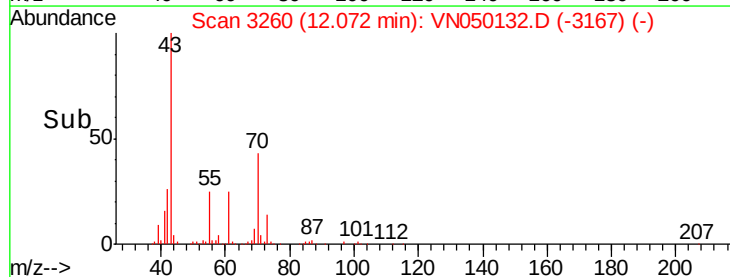
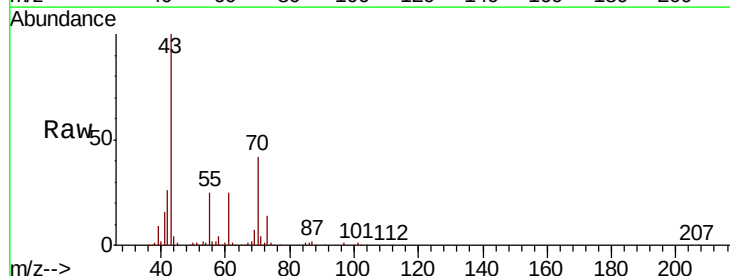
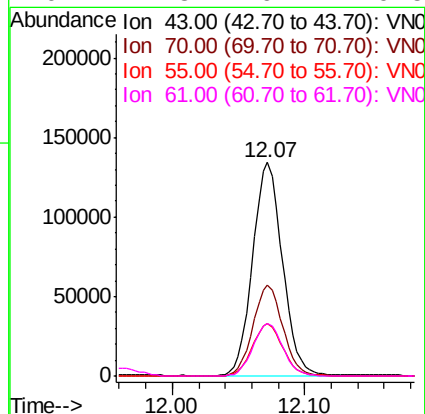
Ion Ratio Lower Upper

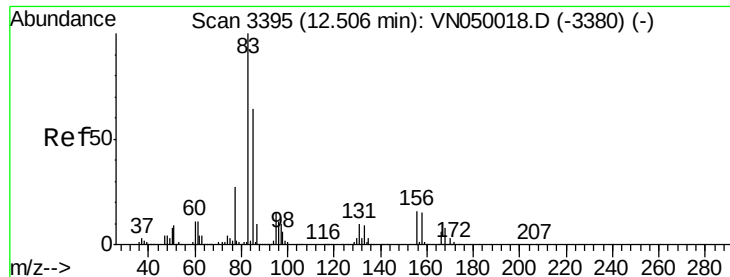
43 100

70 42.9 34.4 51.6

55 25.1 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.005 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

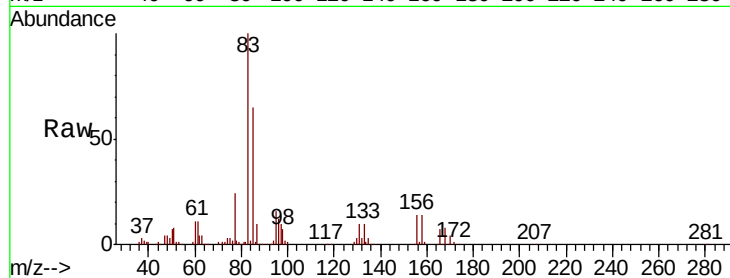
ClientSampleId :

VN0727WBS02

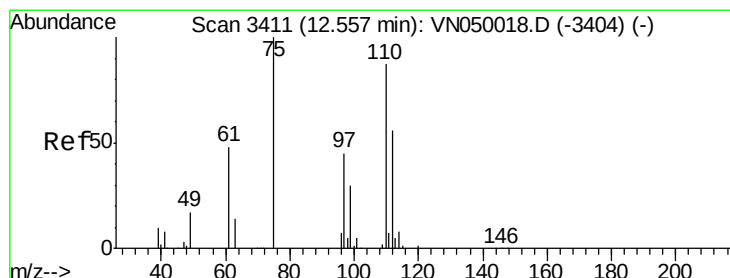
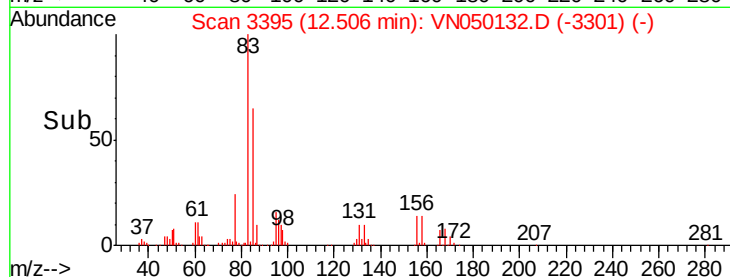
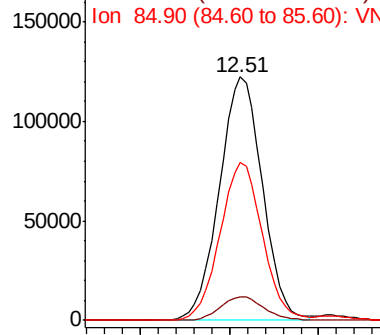
Tot Ion:	83	Resp:	206310
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	63.8	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050132.D (-3391) (-)



#76

1,2,3-Trichloropropane

Concen: 18.541 ug/l m

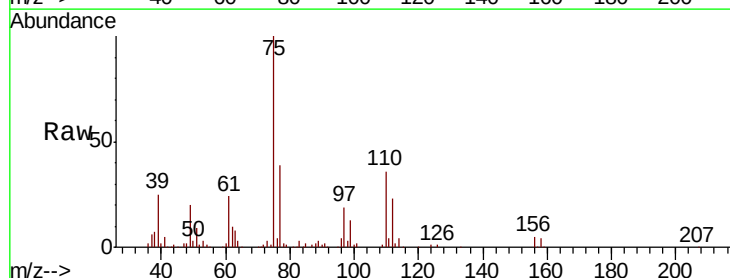
RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

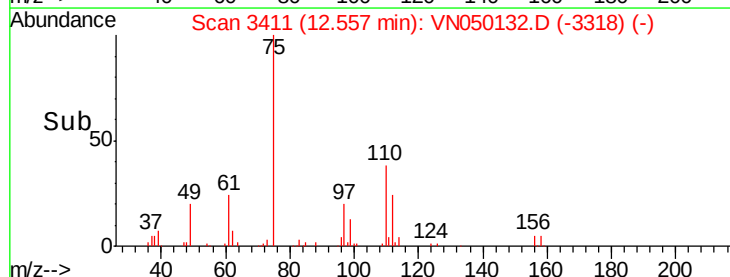
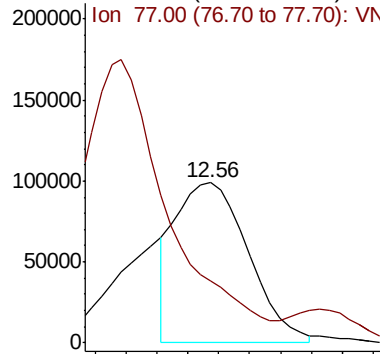
Lab File: VN050132.D

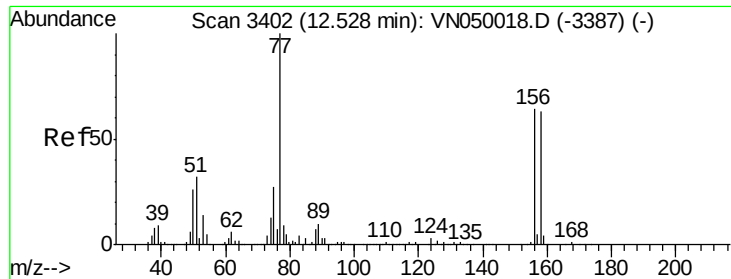
Acq: 27 Jul 2018 16:13

Tgt Ion:	75	Resp:	162907
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050132.D (-3418) (-)





#77

Bromobenzene

Concen: 19.072 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

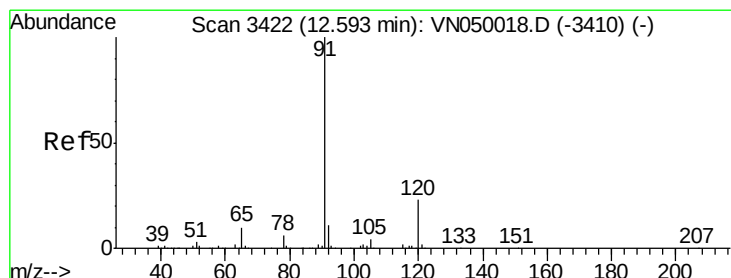
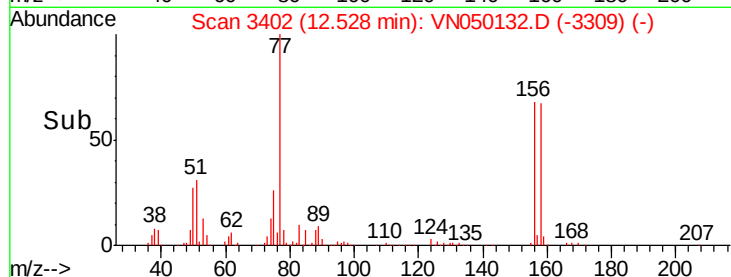
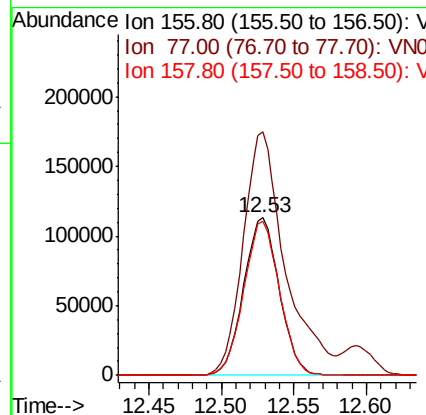
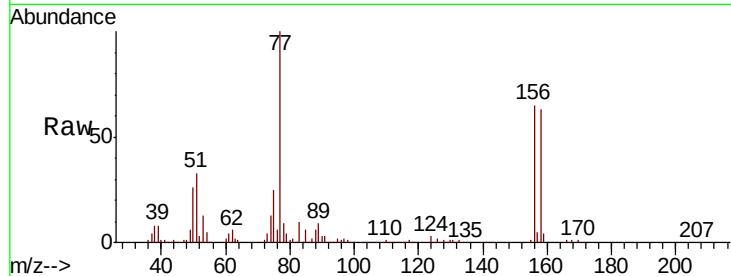
ClientSampleId :

VN0727WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.6	91.7	275.1
158	97.4	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#78

n-propylbenzene

Concen: 20.735 ug/l

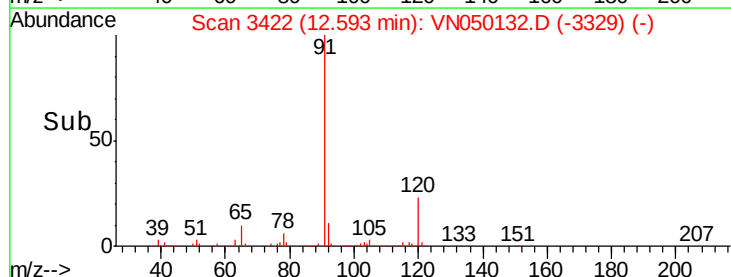
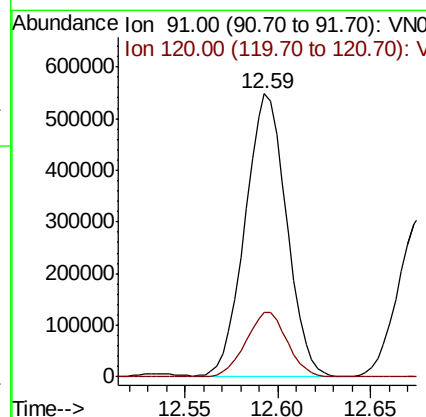
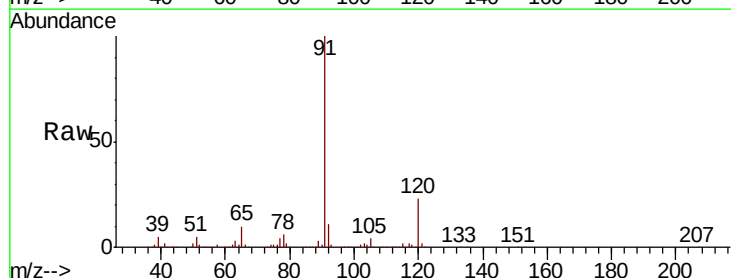
RT: 12.59 min Scan# 3422

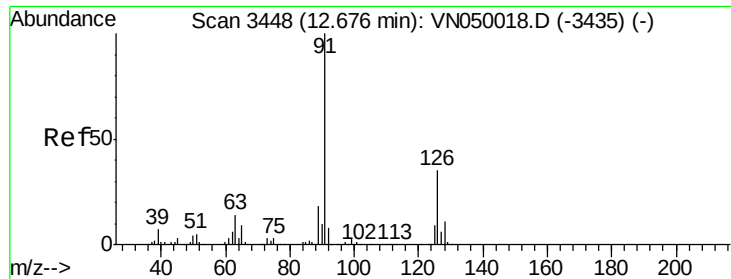
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.465 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion: 91 Resp: 519865

Ion Ratio Lower Upper

91 100

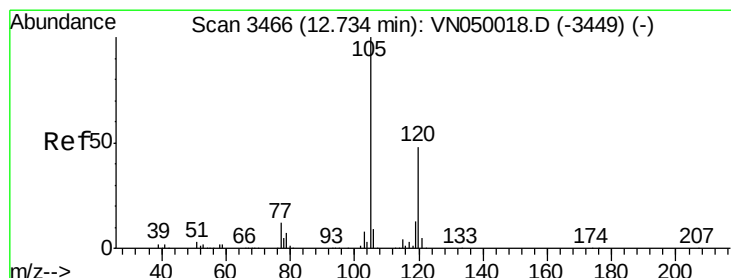
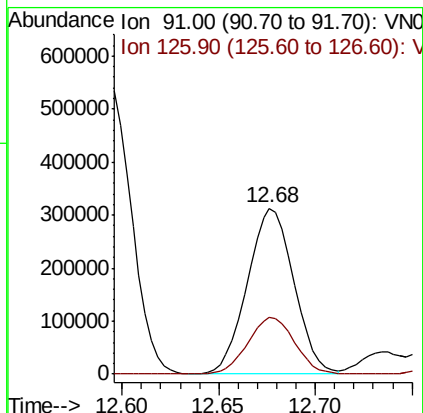
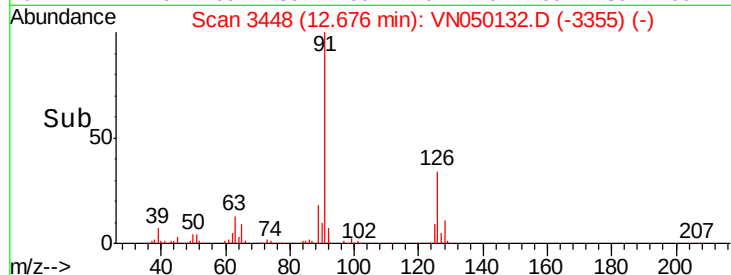
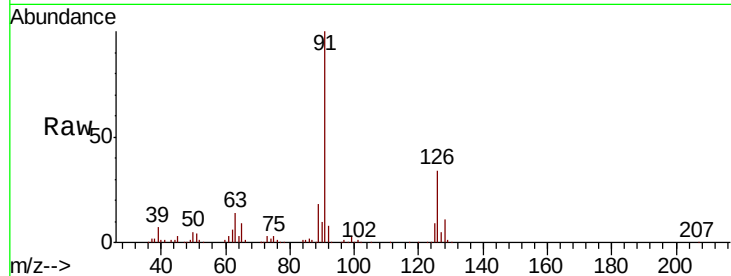
126 34.7 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

7/30/2018 1:37:18 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.724 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050132.D

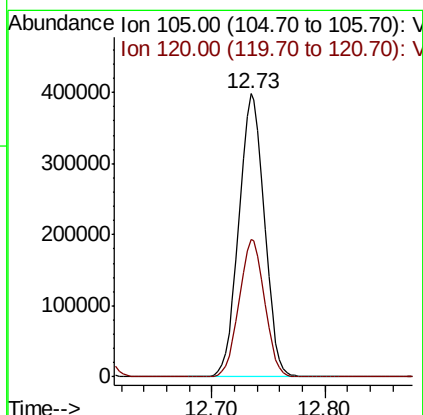
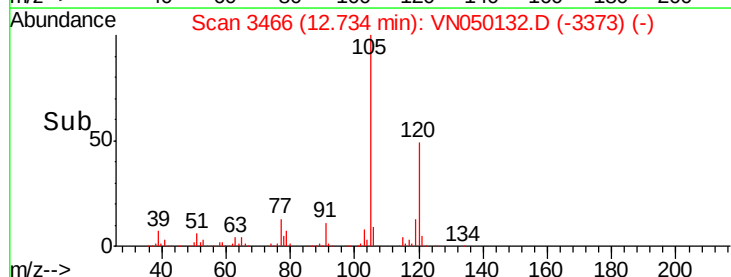
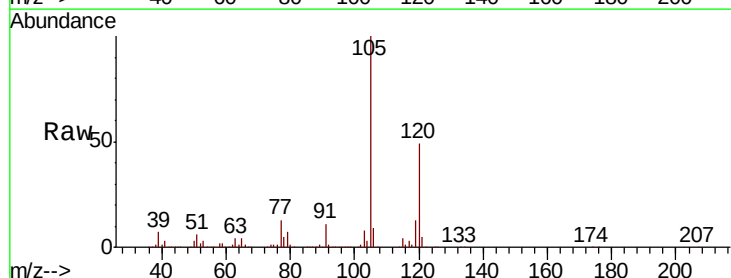
Acq: 27 Jul 2018 16:13

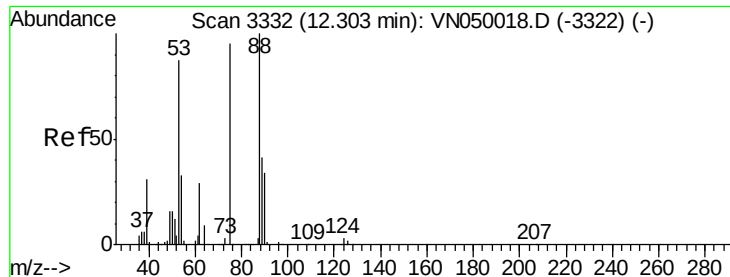
Tgt Ion: 105 Resp: 626555

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.430 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

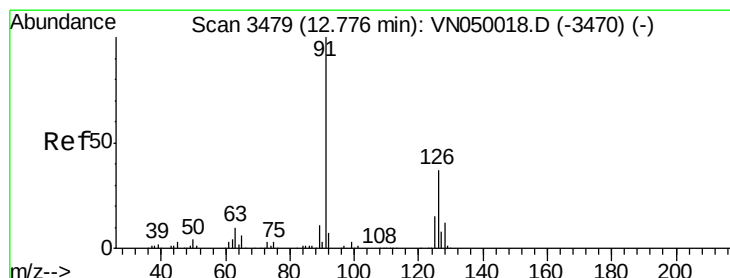
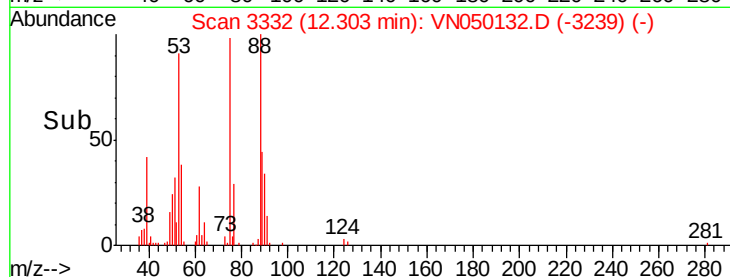
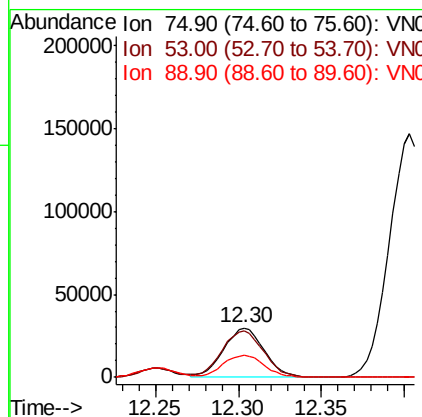
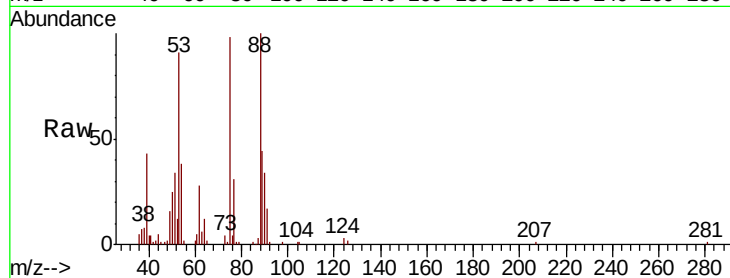
ClientSampleId :

VN0727WBS02

Tot Ion:	75	Resp:	51052
Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.5	110.3
89	45.5	36.0	54.0

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#82

4-Chlorotoluene

Concen: 20.371 ug/l

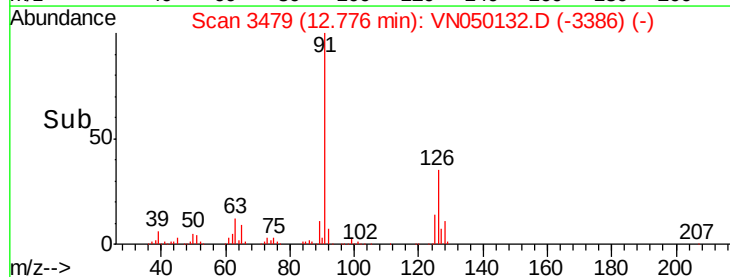
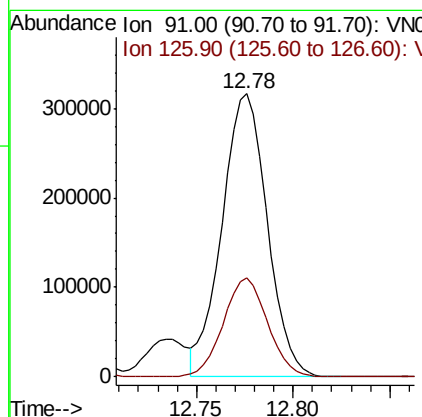
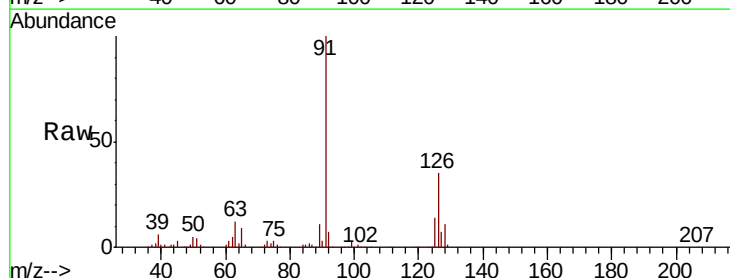
RT: 12.78 min Scan# 3479

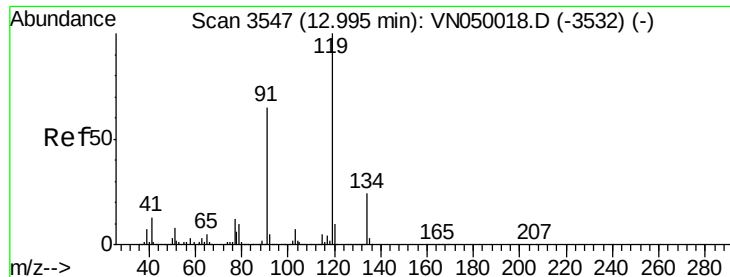
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	91	Resp:	512447
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.246 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

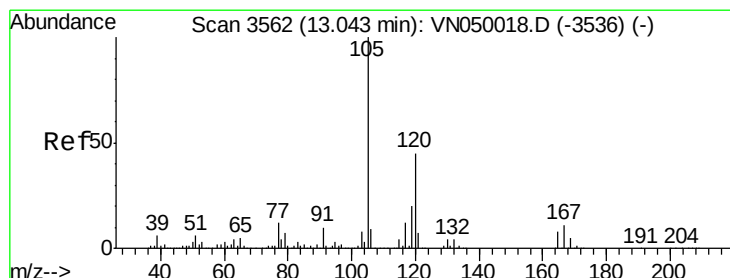
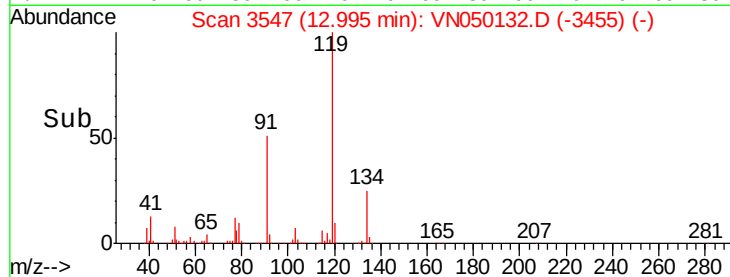
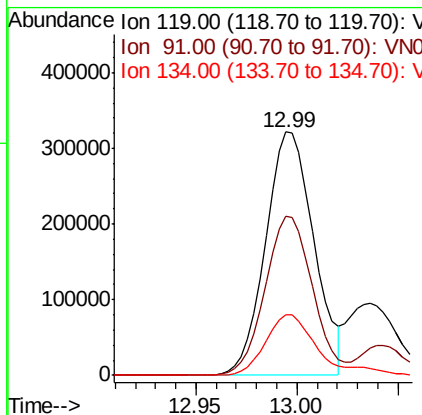
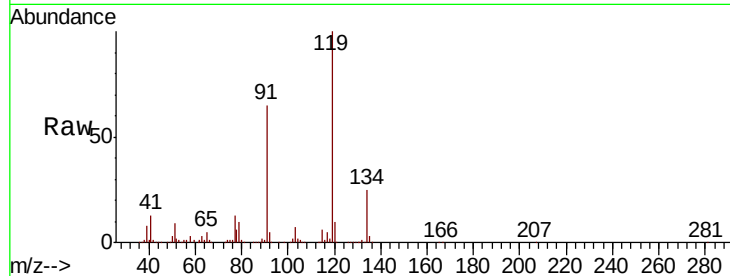
ClientSampleId :

VN0727WBS02

Tot Ion:	119	Resp:	534750
Ion Ratio	Lower	Upper	
119	100		
91	64.0	32.1	96.3
134	27.0	13.2	39.5

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#84

1,2,4-Trimethylbenzene

Concen: 22.010 ug/l

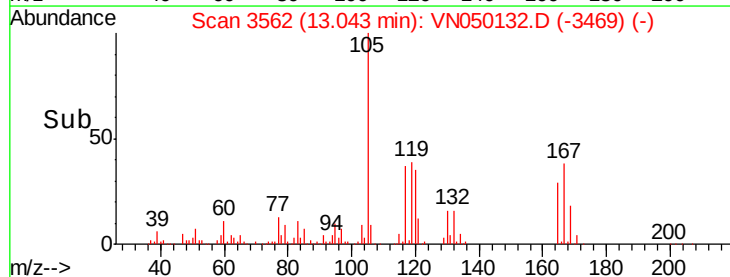
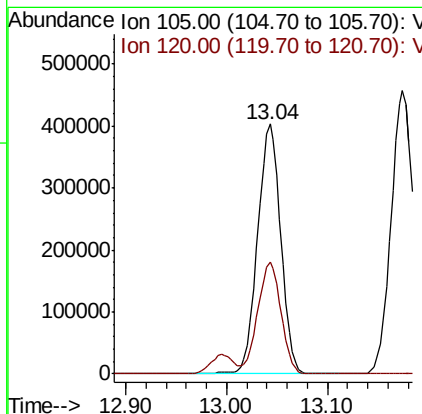
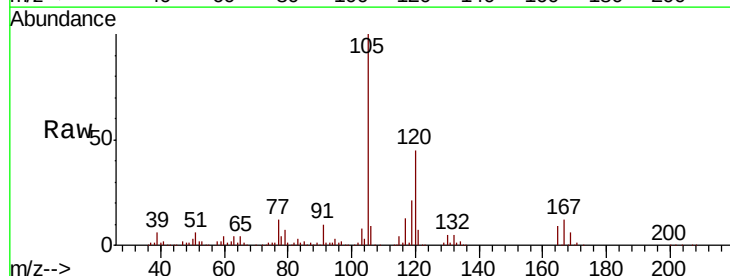
RT: 13.04 min Scan# 3562

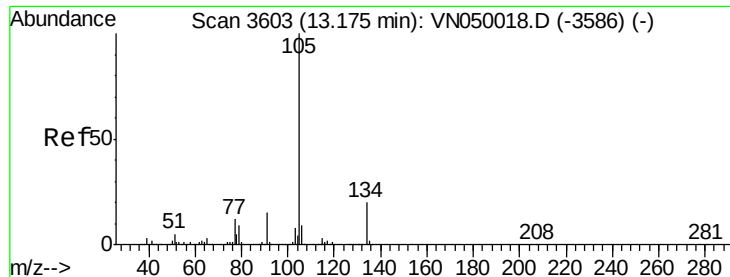
Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	105	Resp:	639863
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.291 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN0727WBS02

Tot Ion:105 Resp: 716046

Ion Ratio Lower Upper

105 100

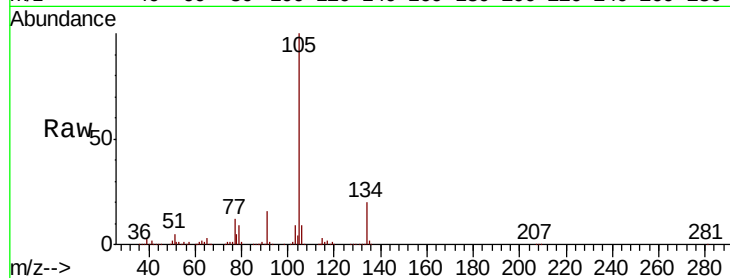
134 20.2 10.1 30.1

Manual Integrations

APPROVED

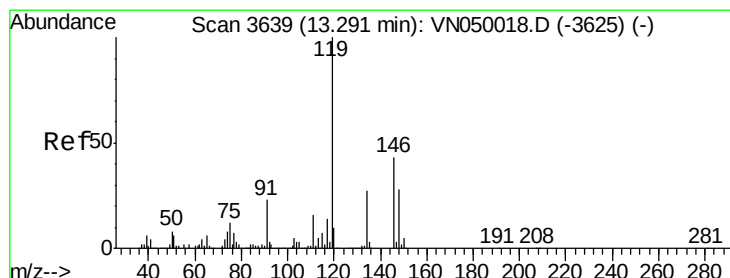
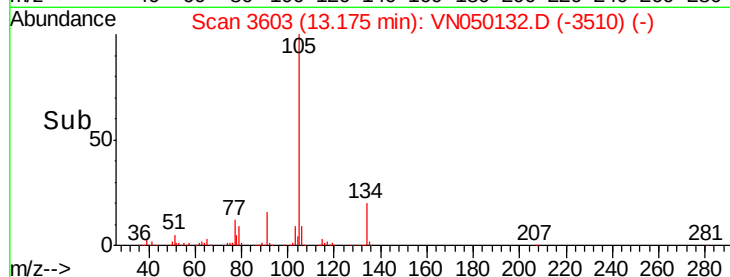
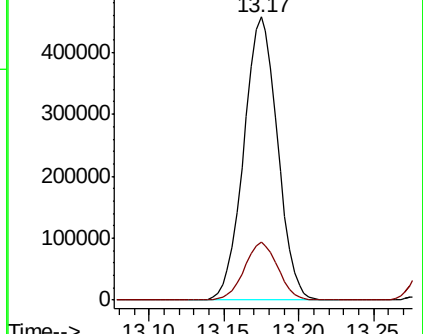
MMDadoda

7/30/2018 1:37:18 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.464 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

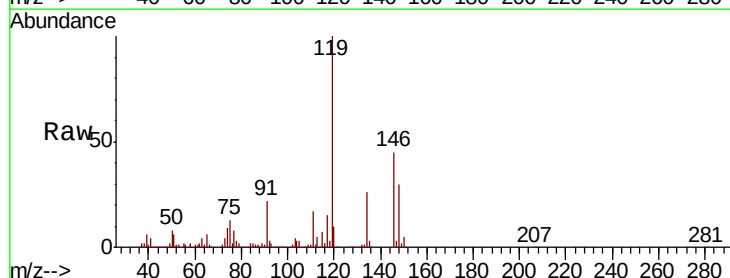
Tgt Ion:119 Resp: 608255

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

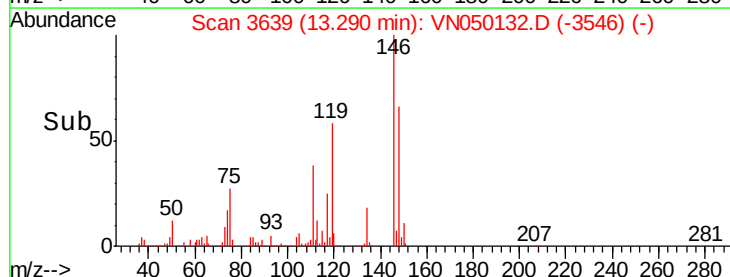
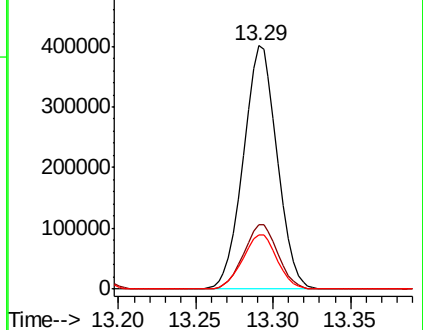
91 22.8 11.4 34.2

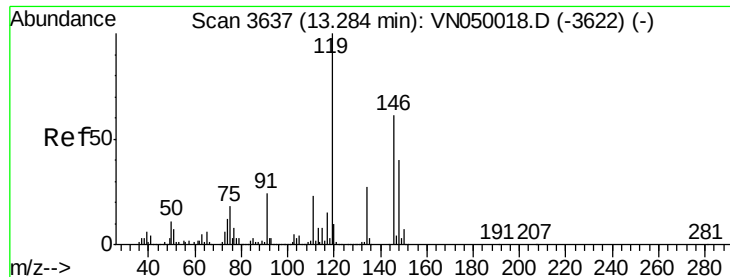


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





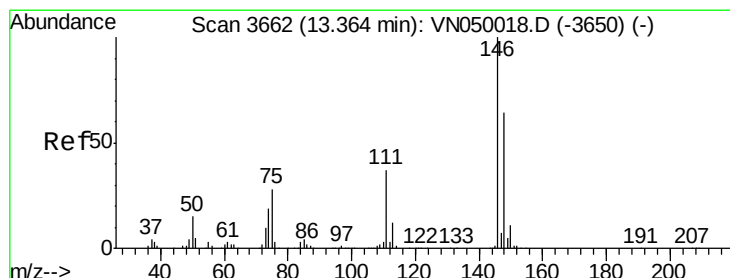
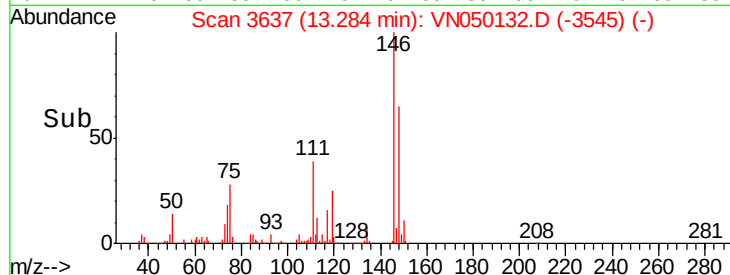
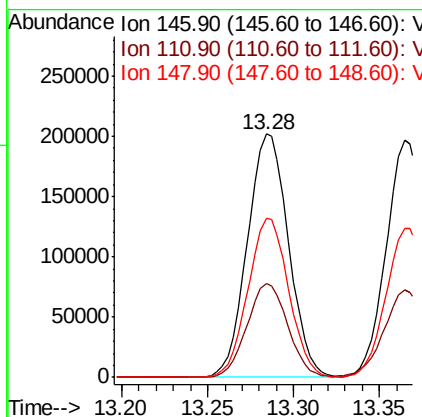
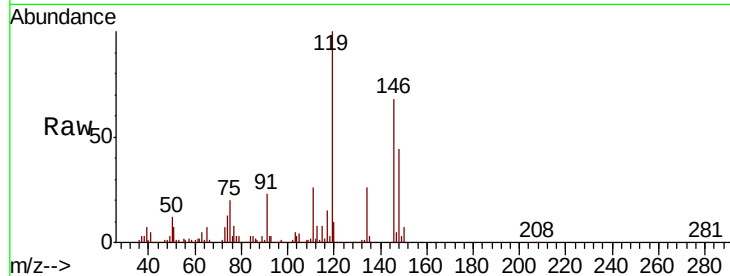
#87
 1,3-Dichlorobenzene
 Concen: 19.422 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.8	31.9	95.9

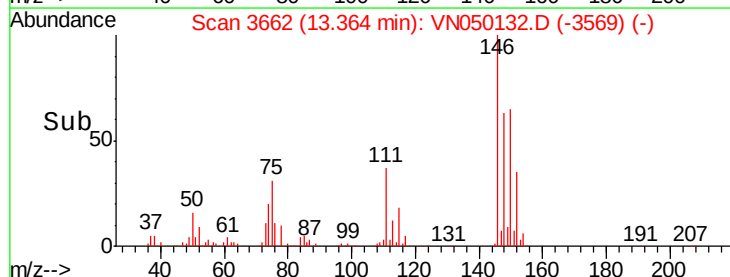
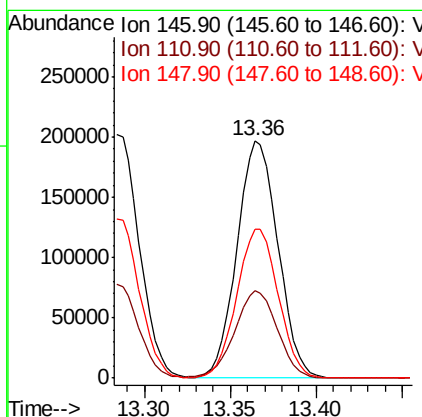
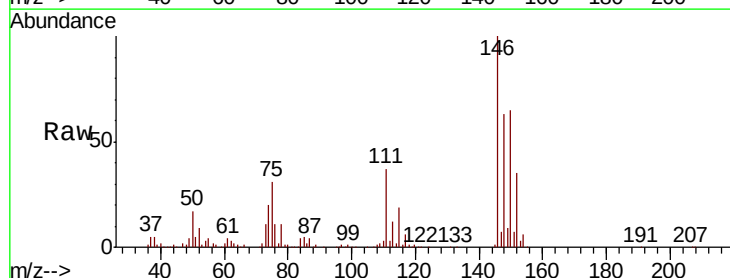
Manual Integrations
 APPROVED

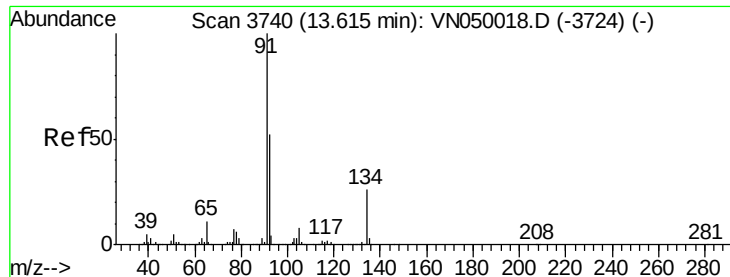
MMDadoda
 7/30/2018 1:37:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.365 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.3	54.9
148	63.7	31.9	95.9





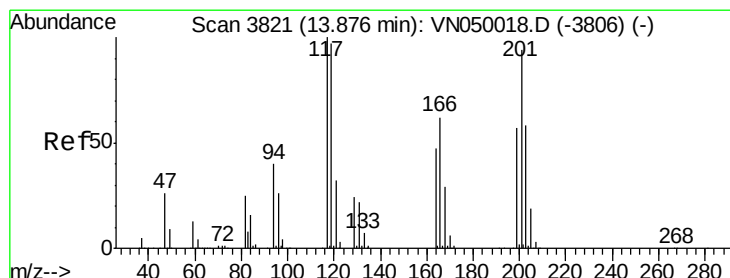
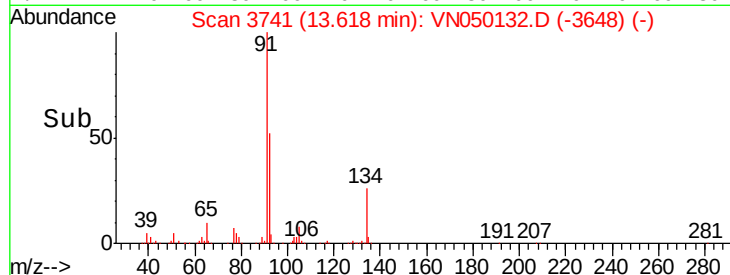
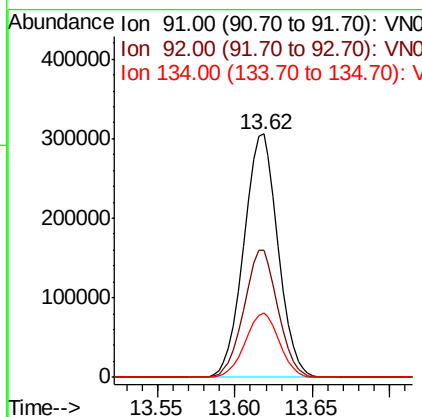
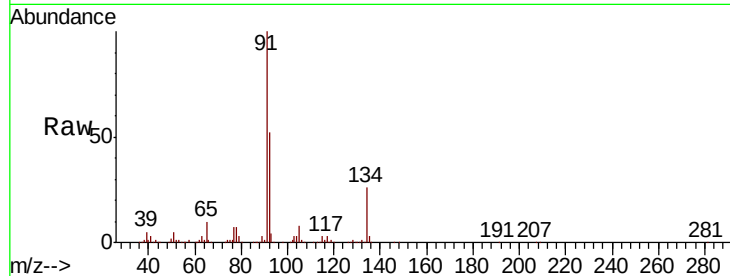
#89
n-Butylbenzene
Concen: 20.191 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN0727WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.4
134	26.5	12.8	38.4

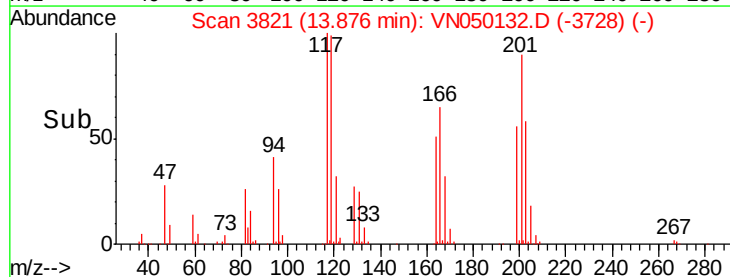
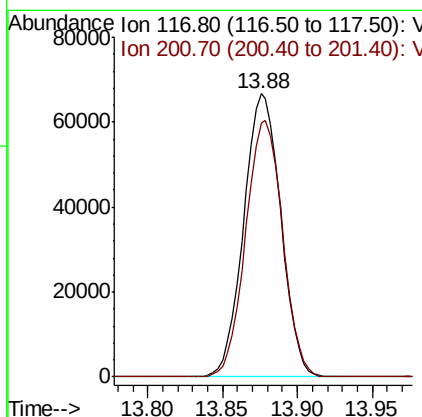
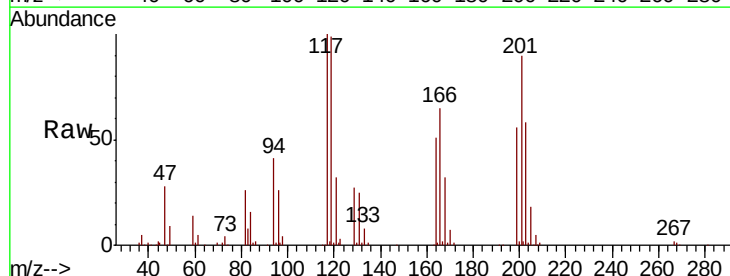
Manual Integrations
APPROVED

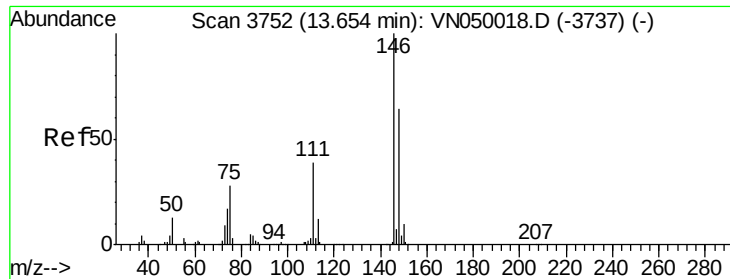
MMDadoda
7/30/2018 1:37:18 PM



#90
Hexachloroethane
Concen: 18.303 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050132.D
Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	45.6	136.8





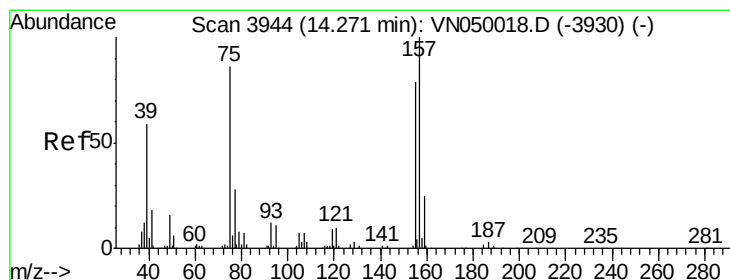
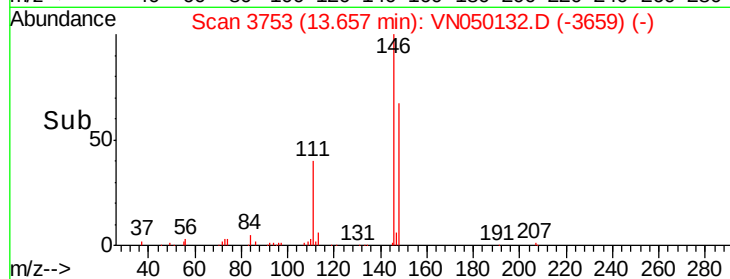
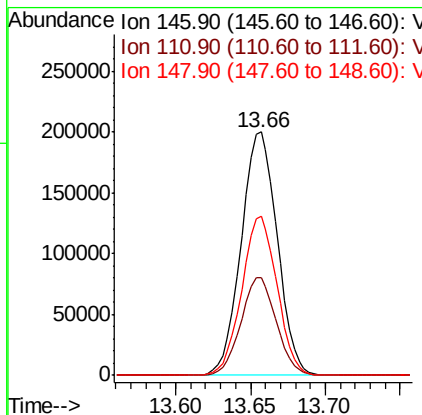
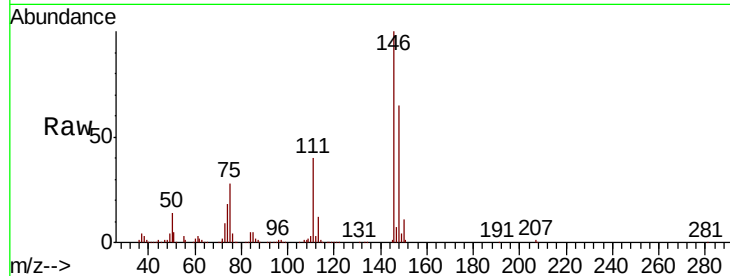
#91
 1,2-Dichlorobenzene
 Concen: 19.474 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	63.9	32.1	96.3

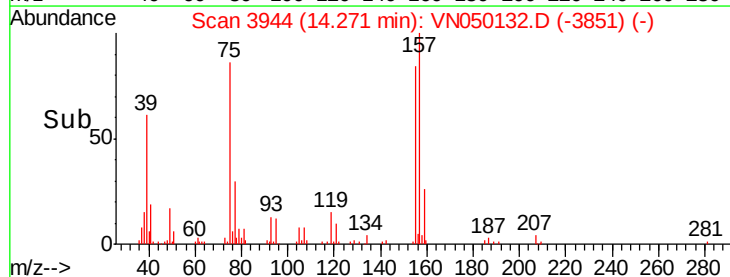
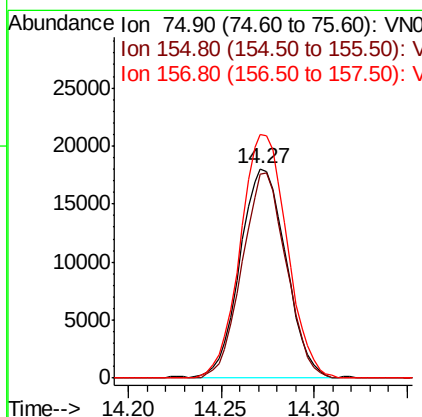
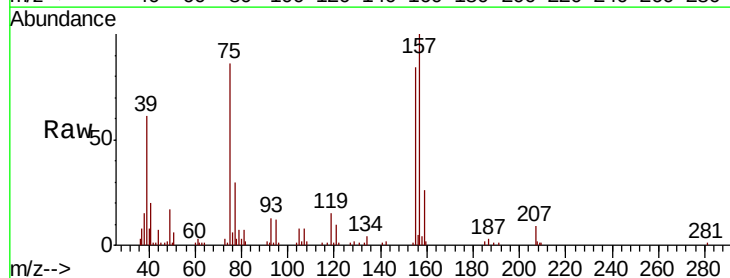
Manual Integrations
 APPROVED

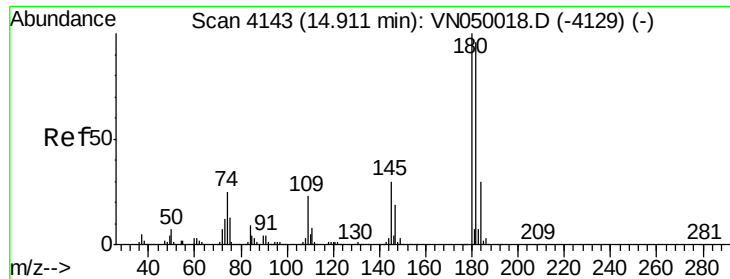
MMDadoda
 7/30/2018 1:37:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.589 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	44.8	134.4
157	117.6	57.2	171.6





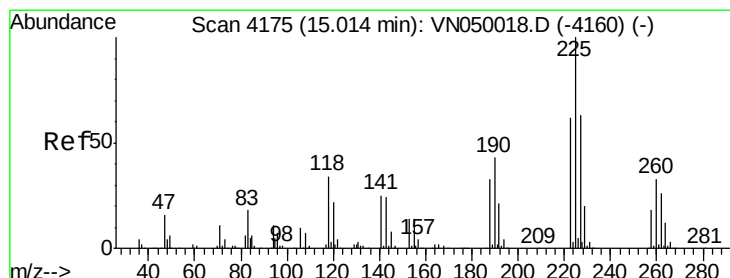
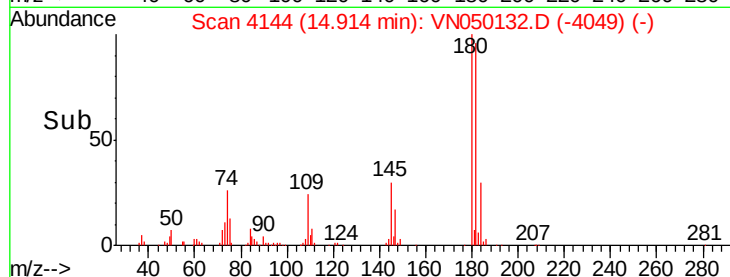
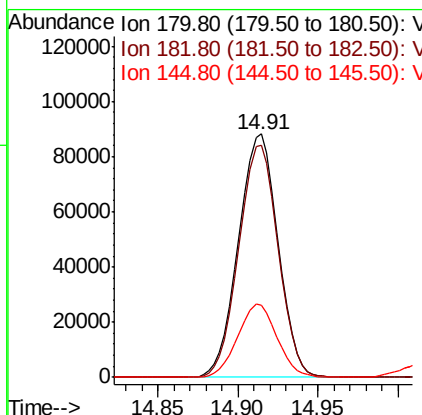
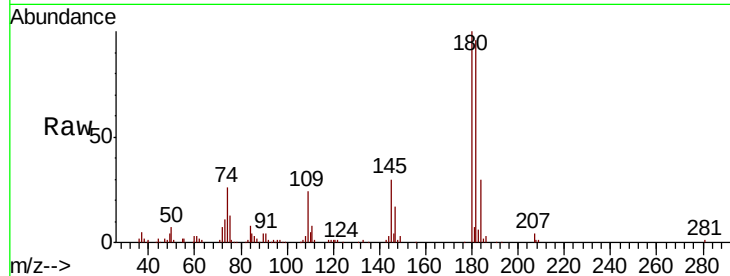
#93
 1,2,4-Trichlorobenzene
 Concen: 18.330 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	148379		
182	95.1	46.7	140.1	
145	29.8	13.8	41.4	

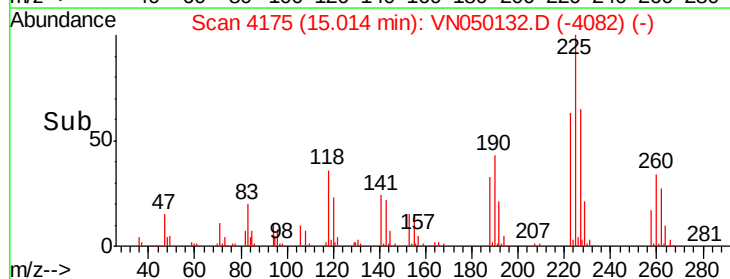
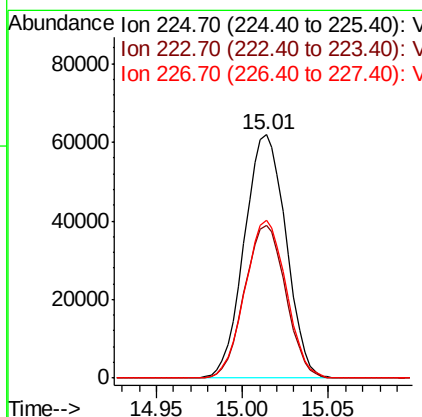
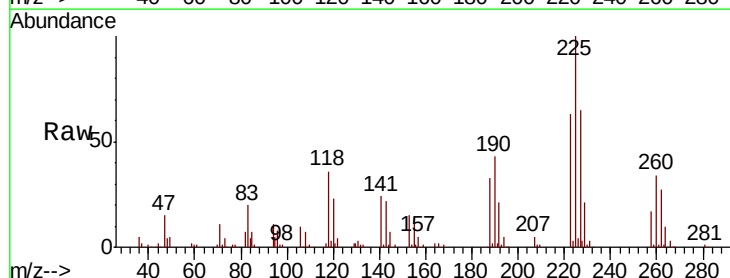
Manual Integrations
 APPROVED

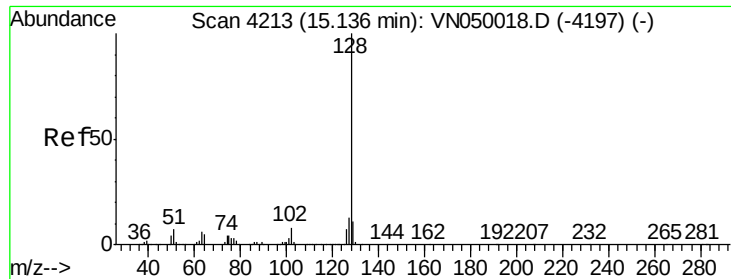
MMDadoda
 7/30/2018 1:37:18 PM



#94
 Hexachlorobutadiene
 Concen: 19.802 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN050132.D
 Acq: 27 Jul 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104396		
223	61.9	31.4	94.2	
227	64.0	32.1	96.5	





#95

Naphthalene

Concen: 18.358 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Instrument :

MSVOA_N

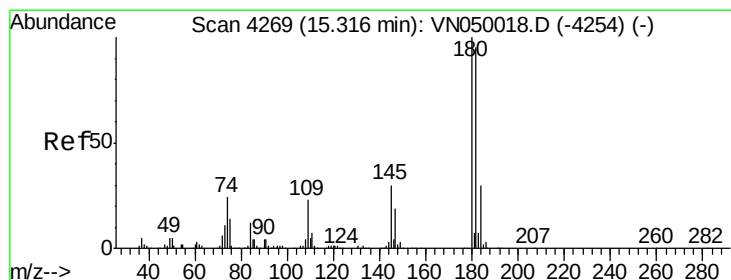
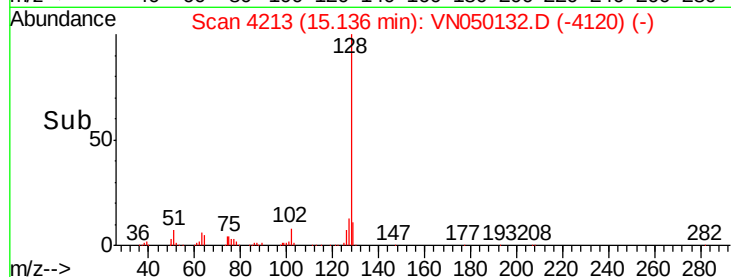
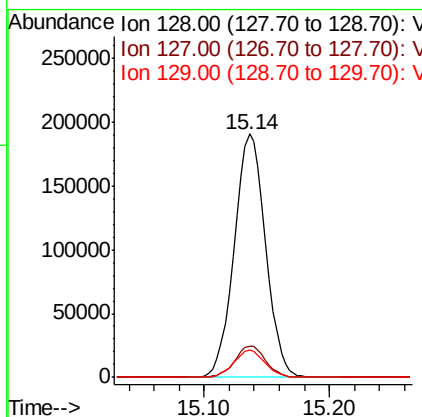
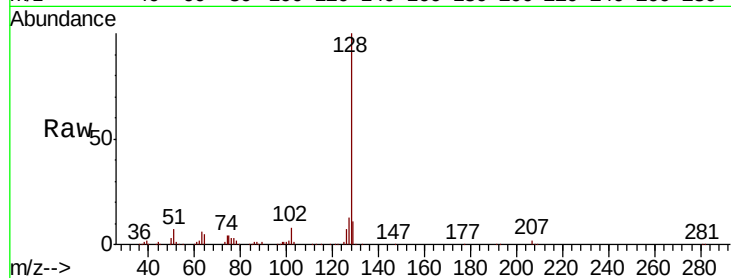
ClientSampleId :

VN0727WBS02

Tot Ion:	128	Resp:	330198
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/30/2018 1:37:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.082 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN050132.D

Acq: 27 Jul 2018 16:13

Tgt Ion:	180	Resp:	157052
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.1	144.4
145	30.5	15.3	45.9

