

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051686.D
 Acq On : 5 Oct 2018 14:52
 Operator : MD\SY
 Sample : VN1005WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1005WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:51 PM

Quant Time: Oct 05 17:30:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	101467	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	590914	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508731	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	213740	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	210026	27.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.20%
63) Toluene-d8	10.09	98	687822	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	114358	19.321	ug/l 100
3) Chloromethane	2.06	50	122736	21.124	ug/l 98
4) Vinyl Chloride	2.18	62	188403	21.319	ug/l 98
5) Bromomethane	2.57	94	148092	21.557	ug/l 90
6) Chloroethane	2.70	64	131418	22.185	ug/l 99
7) Trichlorofluoromethane	3.01	101	201855	19.944	ug/l 95
8) Diethyl Ether	3.41	74	57155	21.142	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105608	20.347	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	100148	21.144	ug/l 92
11) Methyl Iodide	3.95	142	118345	19.462	ug/l 94
12) Methyl Acetate	4.33	43	74927	20.046	ug/l 95
13) Acrolein	3.61	56	27063	98.490	ug/l 82
14) Acrylonitrile	5.00	53	150167	98.400	ug/l # 61
15) Acetone	3.82	58	34751	95.284	ug/l 87
16) Carbon Disulfide	4.05	76	272272	20.097	ug/l 99
17) Allyl chloride	4.33	41	137549	19.911	ug/l 76
18) Methylene Chloride	4.55	84	108596	20.322	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	103777	19.382	ug/l 89
20) Diisopropyl ether	5.96	45	304652	19.635	ug/l # 88
21) 1,1-Dichloroethane	5.85	63	192531	19.882	ug/l # 95
22) cis-1,2-Dichloroethene	6.83	96	125179	19.872	ug/l 89
23) tert-Butyl Alcohol	4.79	59	42380	107.510	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	299542	19.696	ug/l # 81
25) Chloroform	7.38	83	213627	19.511	ug/l 98
26) Cyclohexane	7.66	56	163808	19.907	ug/l # 83
29) 1,1-Dichloropropene	7.80	75	152739	19.448	ug/l 95
30) 2-Butanone	6.84	43	180780	94.515	ug/l 96
31) 2,2-Dichloropropane	6.83	77	184802	18.888	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	206143	19.518	ug/l 96
33) Carbon Tetrachloride	7.78	117	187623	19.595	ug/l 92
34) Benzene	8.04	78	462474	19.466	ug/l # 72
35) Methacrylonitrile	7.17	41	38911	18.433	ug/l 81
36) 1,2-Dichloroethane	8.13	62	155627	19.572	ug/l 98
37) Trichloroethene	8.84	130	131663	19.930	ug/l 98
38) Methylcyclohexane	9.08	83	189527	19.057	ug/l 84
39) 1,2-Dichloropropane	9.12	63	114896	19.745	ug/l 95
40) Dibromomethane	9.21	93	79012	19.627	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051686.D
 Acq On : 5 Oct 2018 14:52
 Operator : MD\SY
 Sample : VN1005WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1005WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:51 PM

Quant Time: Oct 05 17:30:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	172104	19.157	ug/l	96
42) Vinyl Acetate	5.90	43	1114191	98.862	ug/l #	95
43) Ethyl Acetate	6.93	43	82822	20.579	ug/l #	87
44) Isopropyl Acetate	8.17	43	178858	20.094	ug/l	96
45) 1,4-Dioxane	9.20	88	22267	395.922	ug/l #	79
46) Methyl methacrylate	9.20	41	79720	20.089	ug/l	84
48) t-1,3-Dichloropropene	10.38	75	167900	18.473	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	184061	18.790	ug/l #	89
50) 1,1,2-Trichloroethane	10.56	97	108127	19.045	ug/l	95
51) Ethyl methacrylate	10.43	69	132790	18.391	ug/l	86
52) 1,3-Dichloropropane	10.71	76	171380	18.955	ug/l	98
53) Dibromochloromethane	10.90	129	133656	17.923	ug/l	97
54) 1,2-Dibromoethane	11.01	107	109776	18.431	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	276735	92.514	ug/l	96
56) Bromoform	12.13	173	88637	16.580	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	455782	109.119	ug/l #	95
59) 2-Hexanone	10.75	43	284521	100.637	ug/l	96
61) Tetrachloroethene	10.63	164	121838	20.329	ug/l	98
62) Toluene	10.16	91	513287	19.918	ug/l	99
64) Chlorobenzene	11.43	112	319557	19.320	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	128392	19.072	ug/l	98
66) Ethyl Benzene	11.51	91	558477	19.265	ug/l	98
67) m/p-Xylenes	11.62	106	425507	36.698	ug/l	98
68) o-Xylene	11.95	106	214575	18.763	ug/l	94
69) Styrene	11.97	104	329851	18.077	ug/l	98
70) Isopropylbenzene	12.25	105	575836	18.739	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	128503	20.024	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	114371m	22.341	ug/l	
73) Bromobenzene	12.53	156	135939	18.393	ug/l	88
74) n-propylbenzene	12.59	91	617113	18.243	ug/l	96
75) 2-Chlorotoluene	12.68	91	359911	18.209	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	473888	18.174	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34099	17.865	ug/l	97
78) 4-Chlorotoluene	12.77	91	344721	17.402	ug/l	94
79) tert-butylbenzene	12.99	119	429515	18.315	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	465358	17.942	ug/l	98
81) sec-Butylbenzene	13.17	105	572054	18.234	ug/l	98
82) p-Isopropyltoluene	13.29	119	490102	17.733	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	226211	17.115	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	209975	16.625	ug/l	97
85) n-Butylbenzene	13.62	91	376327	17.227	ug/l	96
86) Hexachloroethane	13.87	117	101535	18.568	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	224444	17.330	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20496	19.397	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	87766	17.967	ug/l	98
90) Hexachlorobutadiene	15.01	225	73375	18.618	ug/l	98
91) Naphthalene	15.13	128	181155	14.813	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	91647	16.403	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
Data File : VN051686.D
Acq On : 5 Oct 2018 14:52
Operator : MD\SY
Sample : VN1005WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

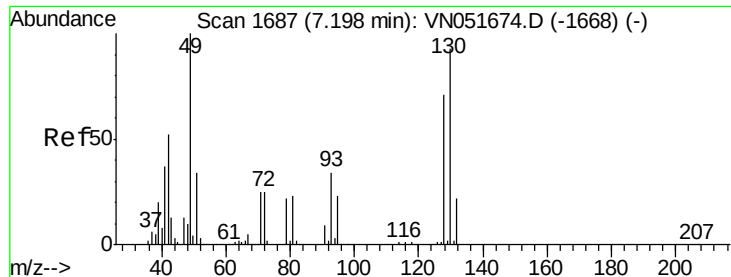
Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM

Quant Time: Oct 05 17:30:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

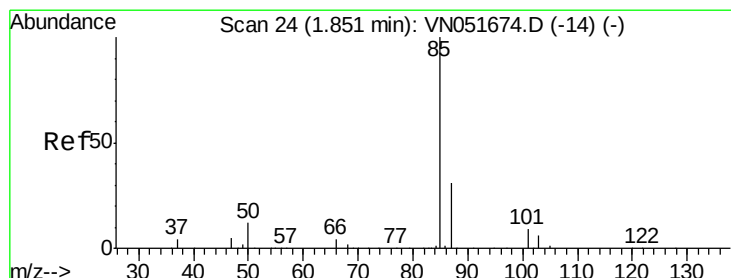
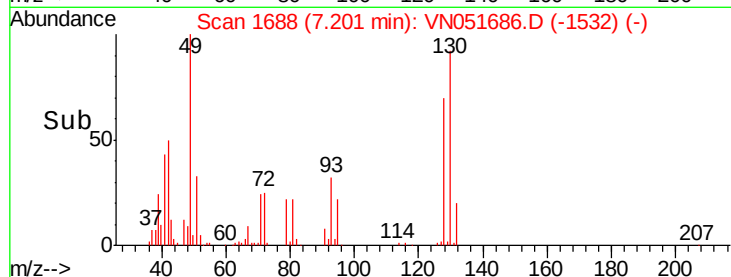
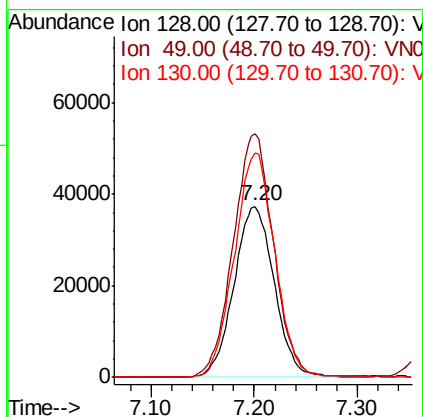
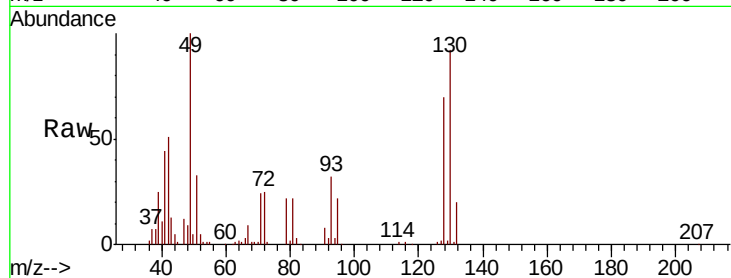
ClientSampled :

VN1005WBSD01

Tot Ion:	128	Resp:	101467
Ion	Ratio	Lower	Upper
128	100		
49	142.4	0.0	403.3
130	131.6	0.0	326.0

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#2

Dichlorodifluoromethane

Concen: 19.321 ug/l

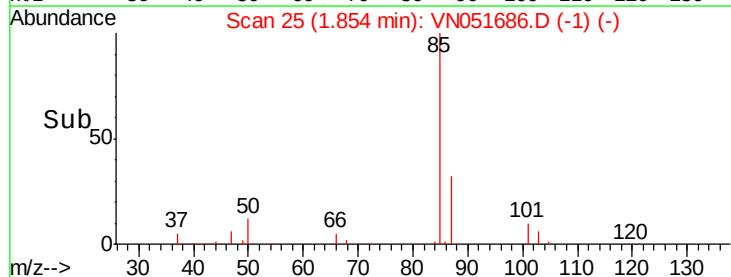
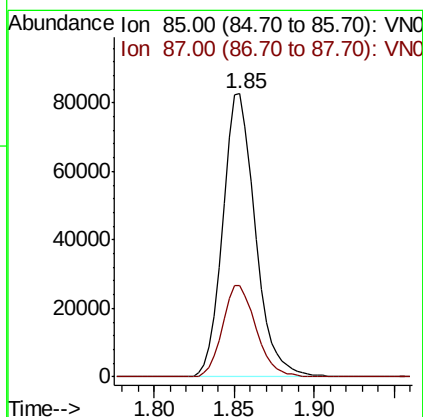
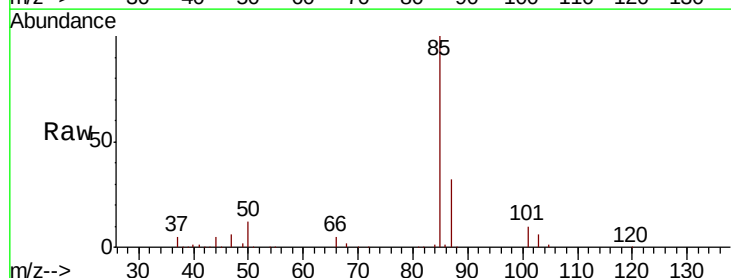
RT: 1.85 min Scan# 25

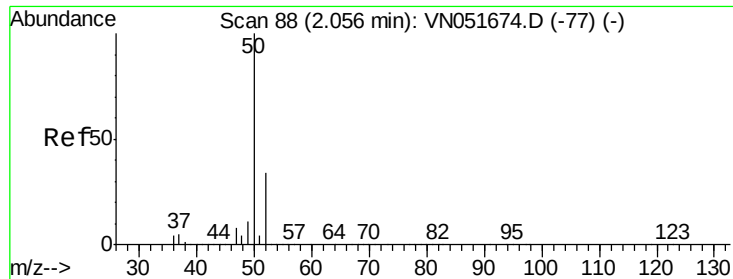
Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Tgt Ion:	85	Resp:	114358
Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.3	48.8





#3

Chloromethane

Concen: 21.124 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 50 Resp: 122736

Ion Ratio Lower Upper

50 100

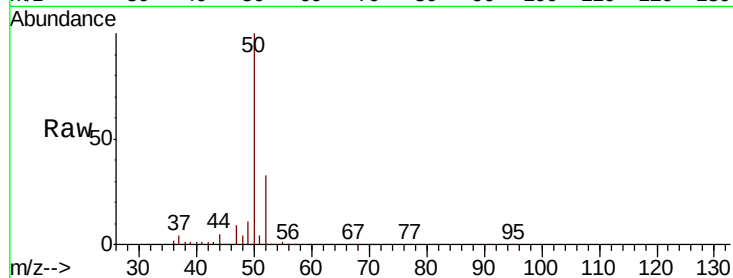
52 33.1 27.2 40.8

Manual Integrations

APPROVED

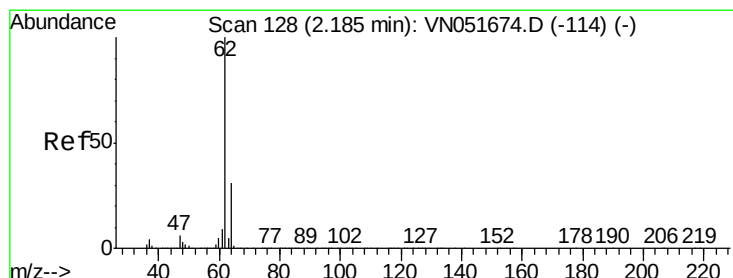
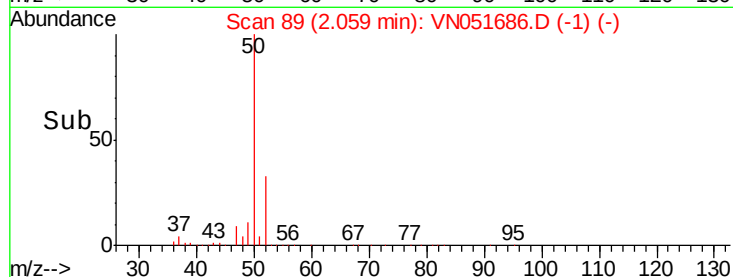
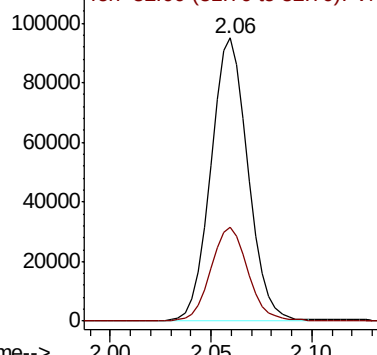
MMDadoda

10/8/2018 3:58:51 PM



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 21.319 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051686.D

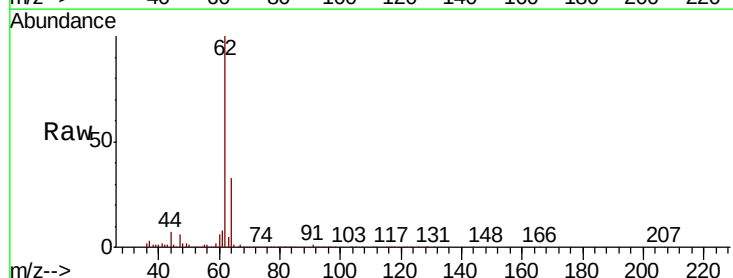
Acq: 5 Oct 2018 14:52

Tgt Ion: 62 Resp: 188403

Ion Ratio Lower Upper

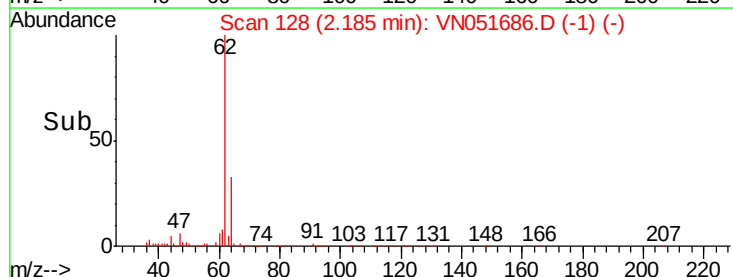
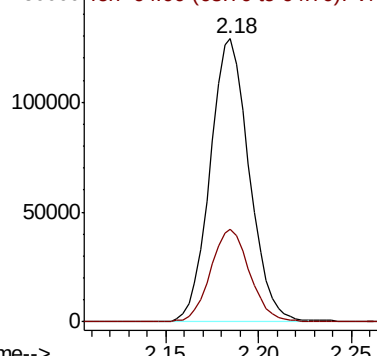
62 100

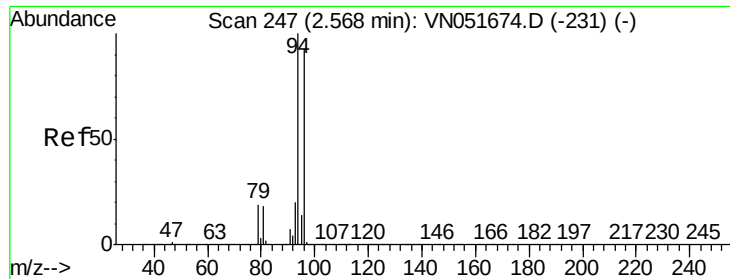
64 32.8 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.557 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 94 Resp: 148092

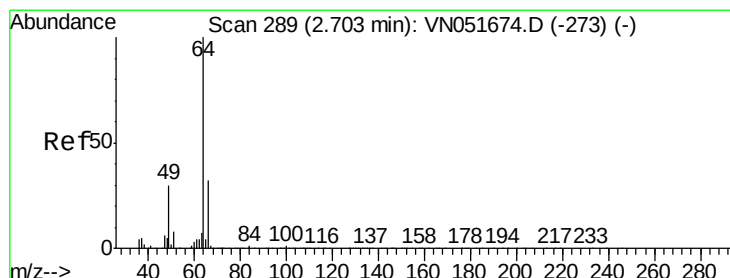
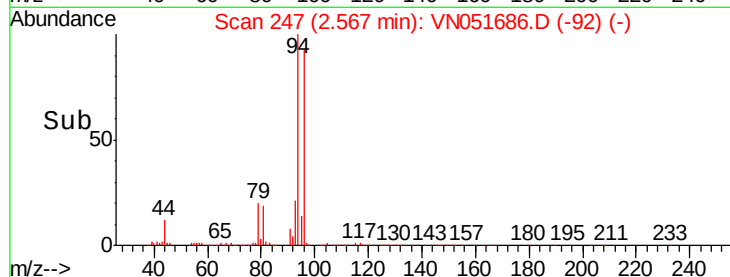
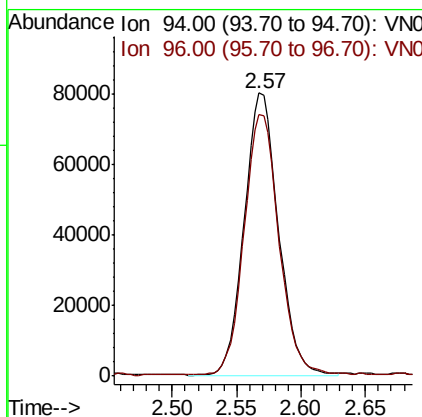
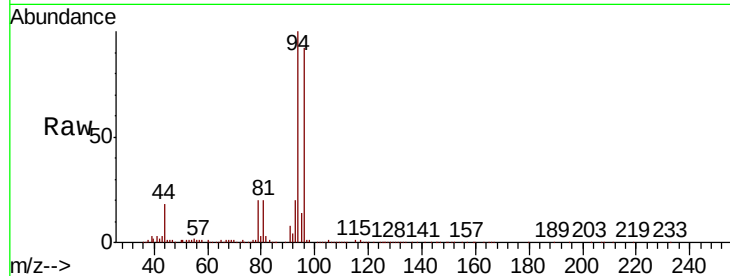
Ion Ratio Lower Upper

94 100

96 91.9 66.4 99.6

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#6

Chloroethane

Concen: 22.185 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051686.D

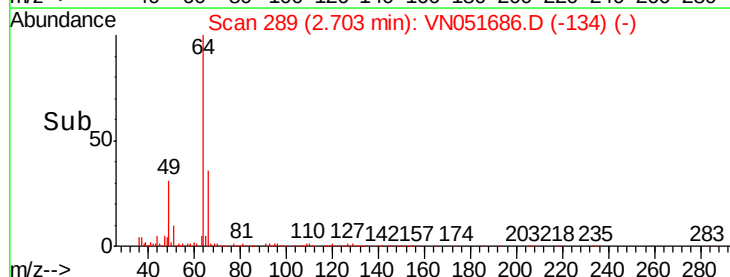
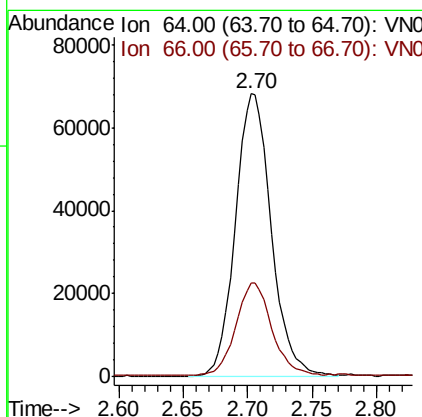
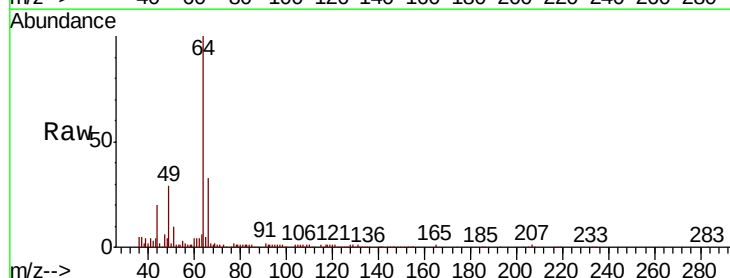
Acq: 5 Oct 2018 14:52

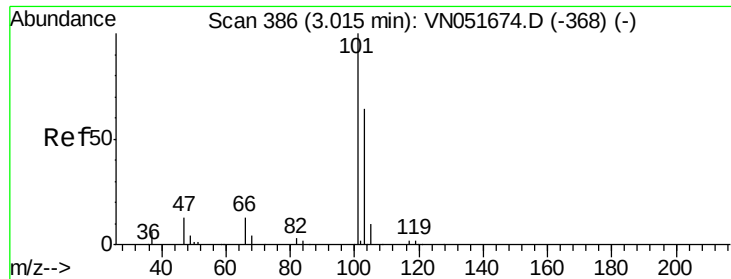
Tgt Ion: 64 Resp: 131418

Ion Ratio Lower Upper

64 100

66 32.7 25.8 38.6





#7

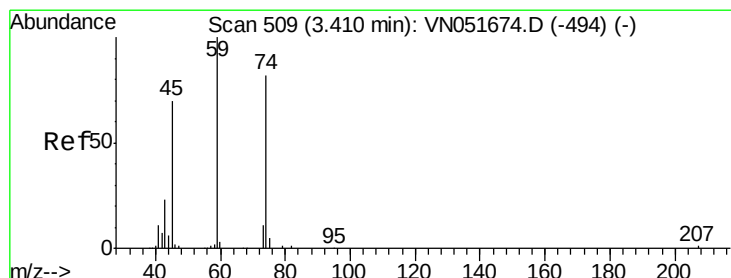
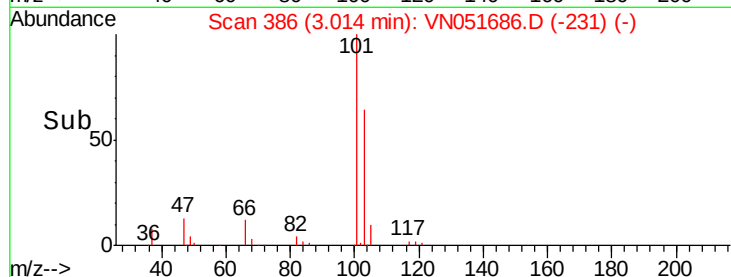
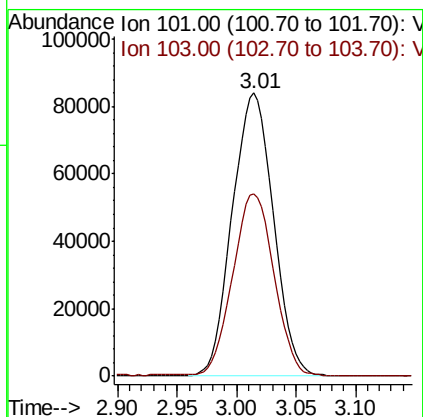
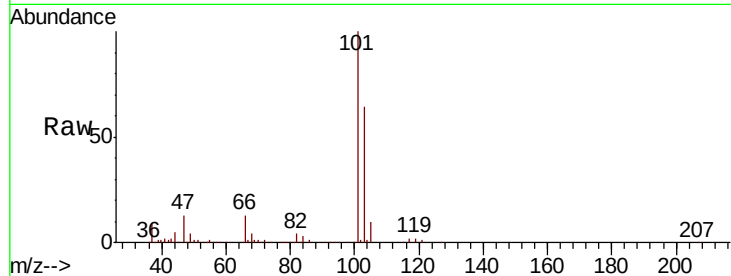
Trichlorofluoromethane
Concen: 19.944 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	201855		
103	64.4	54.8	82.2	

Manual Integrations
APPROVED

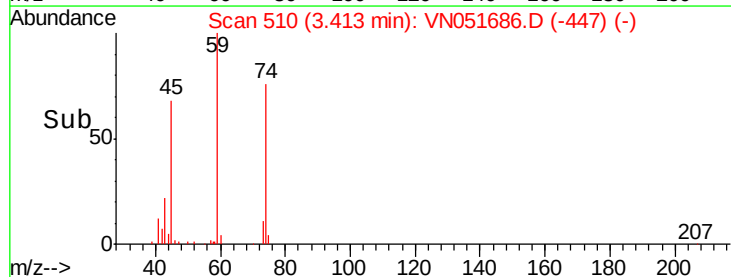
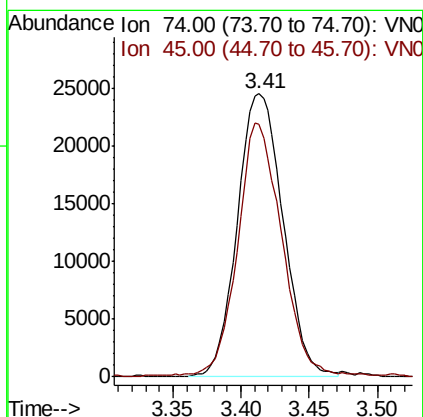
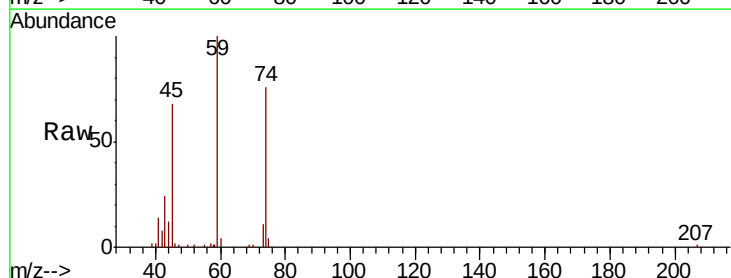
MMDadoda
10/8/2018 3:58:51 PM

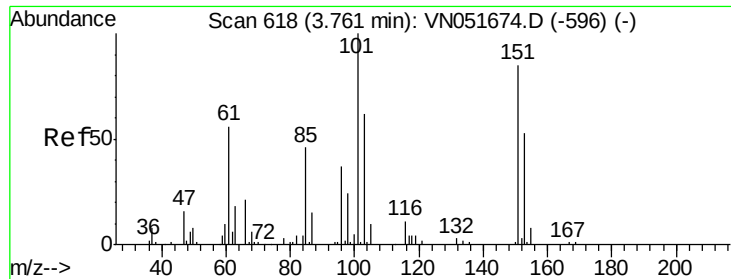


#8

Diethyl Ether
Concen: 21.142 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	57155		
45	84.6	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.347 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

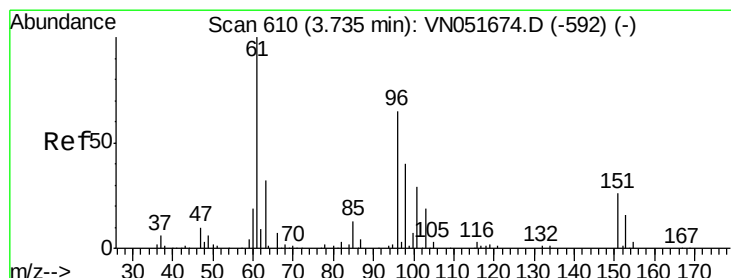
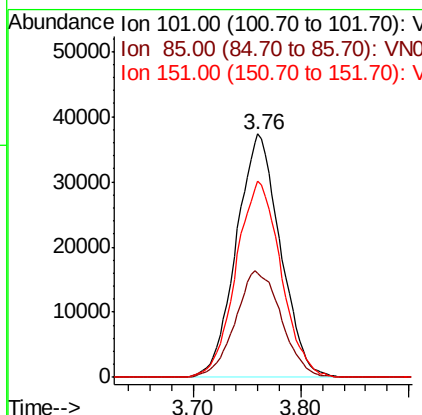
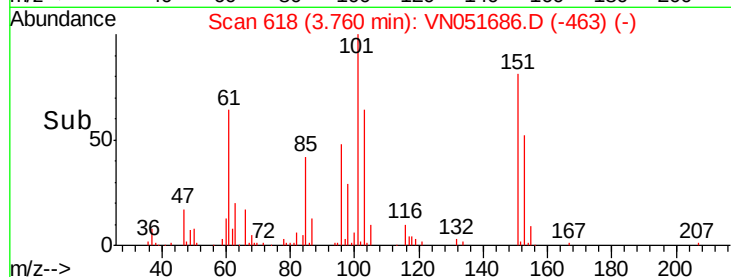
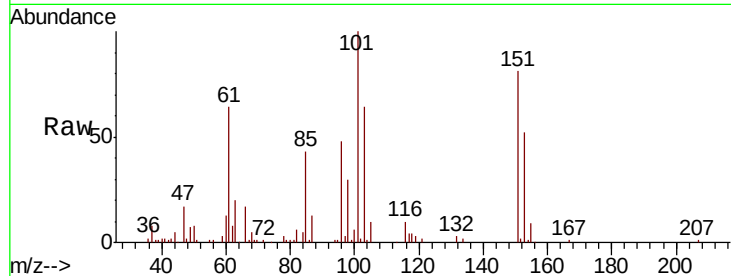
ClientSampleId :

VN1005WBSD01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	45.7	0.0	46.0
151	82.4	0.0	82.2#

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#10

1,1-Dichloroethene

Concen: 21.144 ug/l

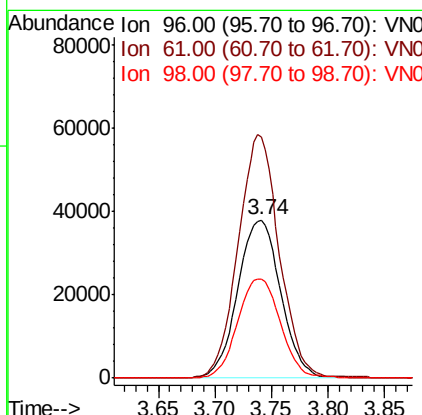
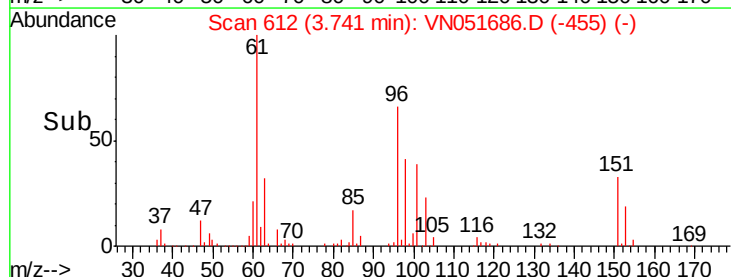
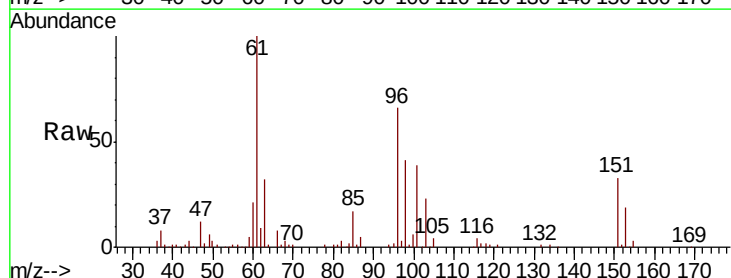
RT: 3.74 min Scan# 612

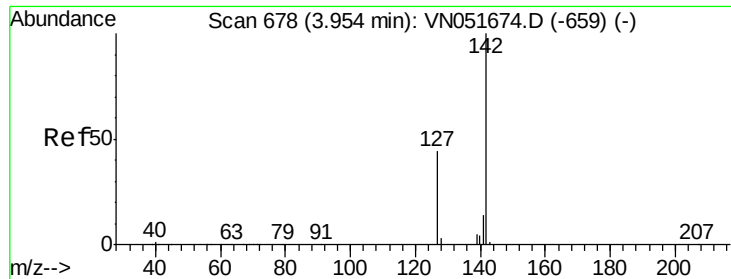
Delta R.T. 0.01 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	152.4	133.0	199.6
98	63.0	52.6	78.8





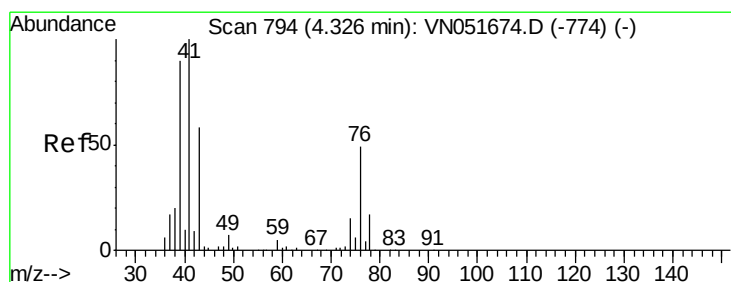
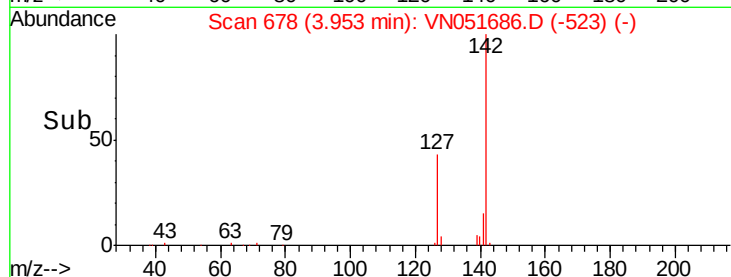
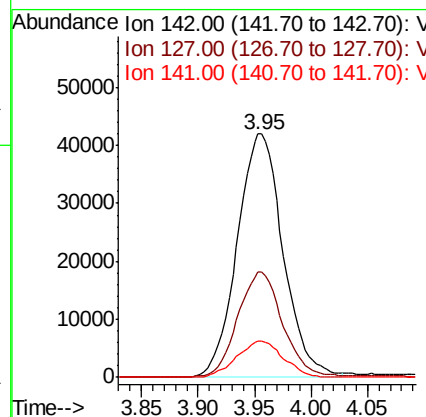
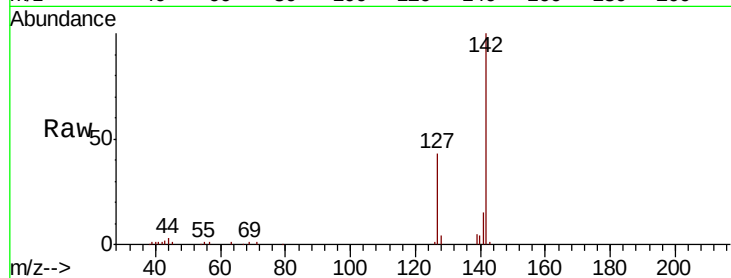
#11
Methvl Iodide
Concen: 19.462 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.8	19.7	59.0
141	14.9	6.3	18.9

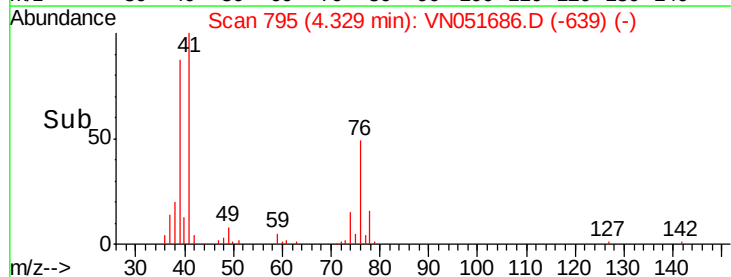
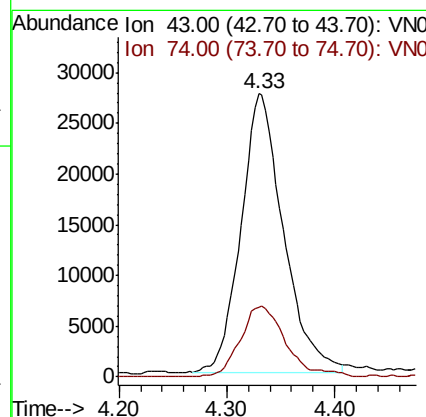
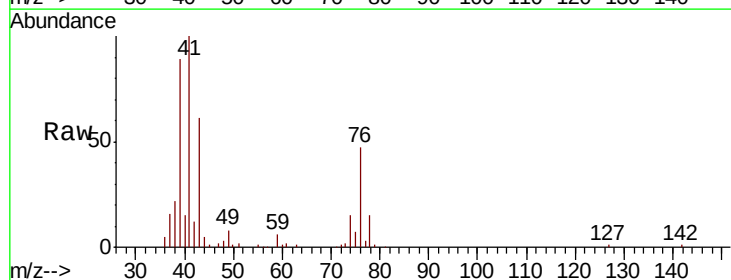
Manual Integrations
APPROVED

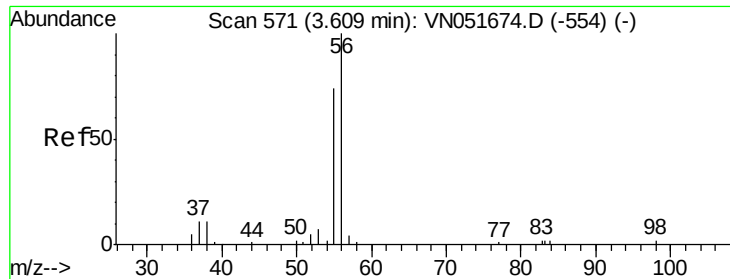
MMDadoda
10/8/2018 3:58:51 PM



#12
Methyl Acetate
Concen: 20.046 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	21.8	32.6





#13

Acrolein

Concen: 98.490 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 56 Resp: 27063

Ion Ratio Lower Upper

56 100

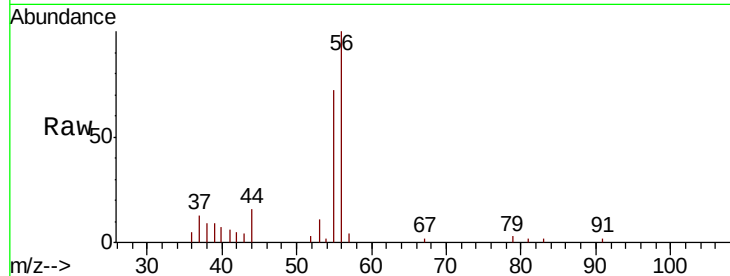
55 64.0 64.0 96.0

Manual Integrations

APPROVED

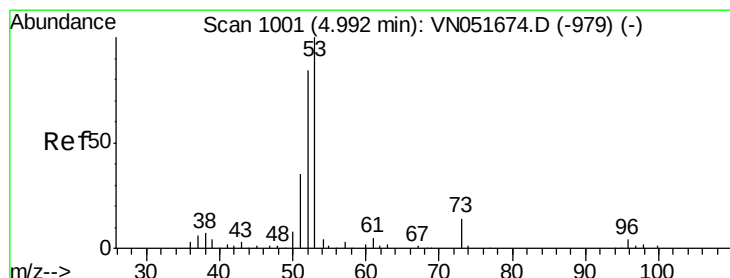
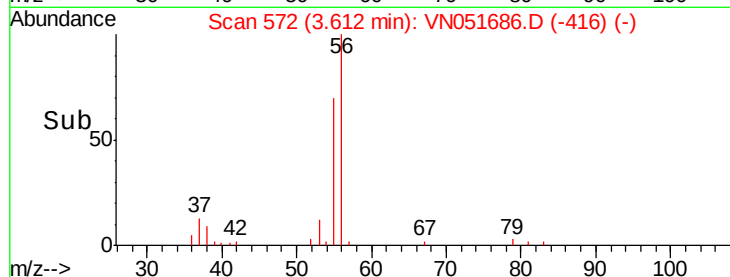
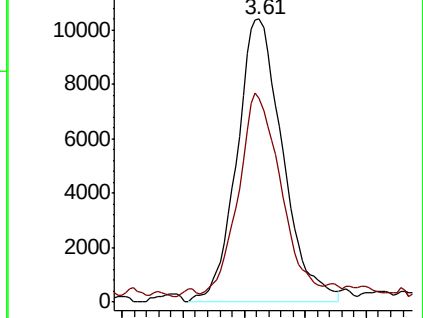
MMDadoda

10/8/2018 3:58:51 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.400 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

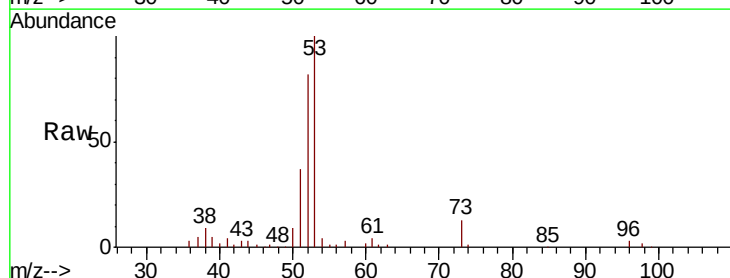
Tgt Ion: 53 Resp: 150167

Ion Ratio Lower Upper

53 100

52 82.7 18.3 54.8#

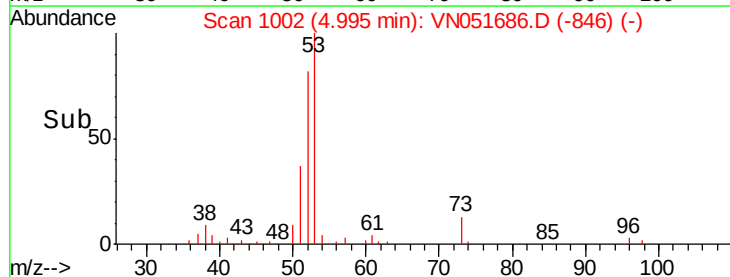
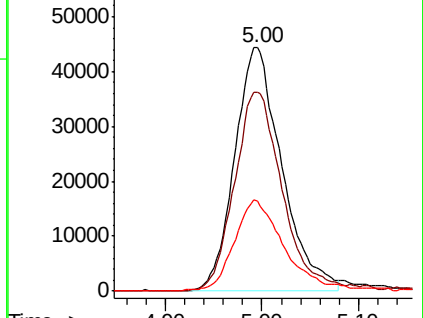
51 37.2 19.7 59.1

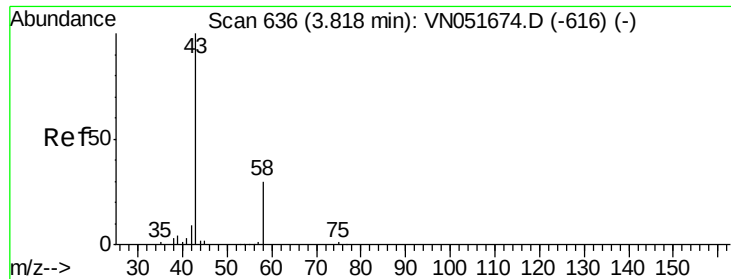


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 95.284 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 58 Resp: 34751

Ion Ratio Lower Upper

58 100

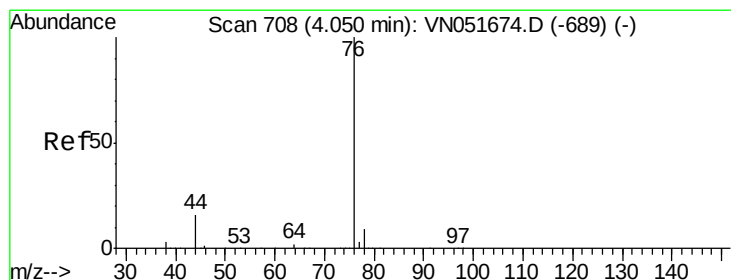
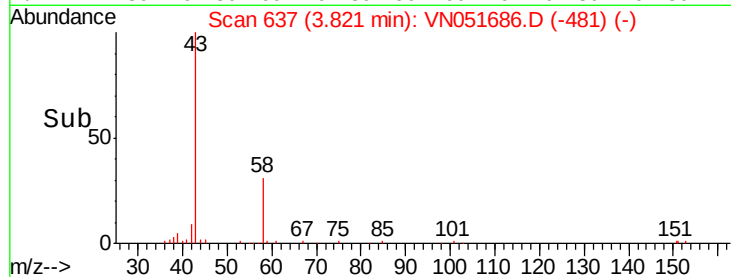
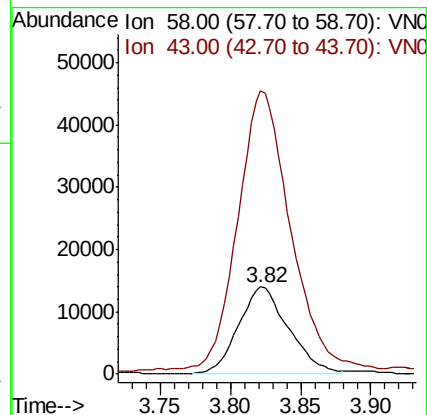
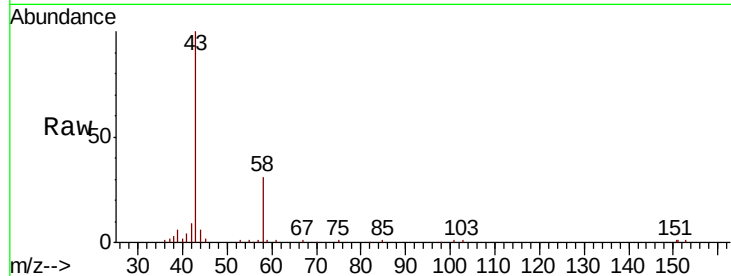
43 315.6 232.2 348.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#16

Carbon Disulfide

Concen: 20.097 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051686.D

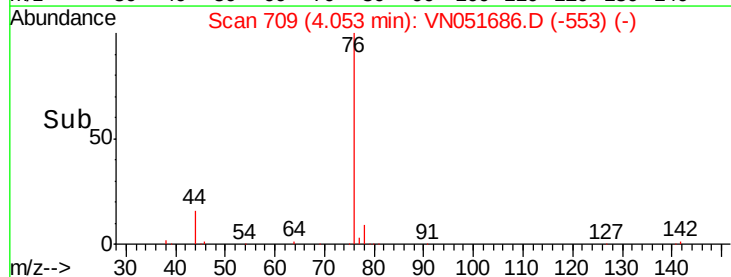
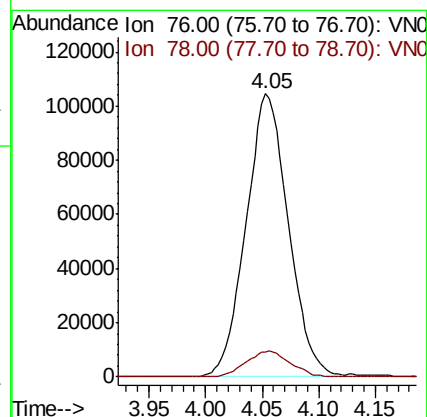
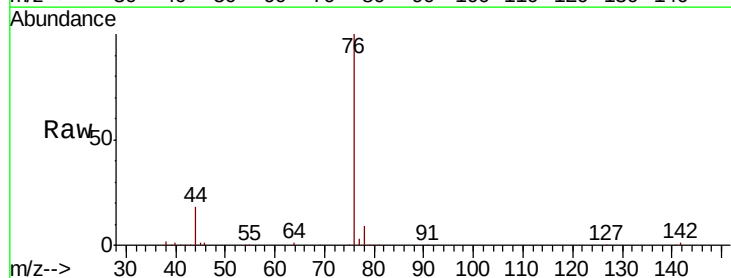
Acq: 5 Oct 2018 14:52

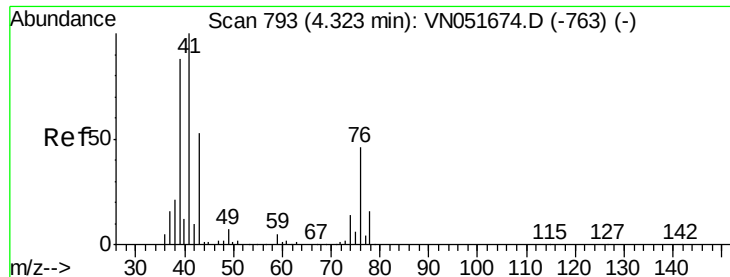
Tgt Ion: 76 Resp: 272272

Ion Ratio Lower Upper

76 100

78 8.9 6.7 10.1





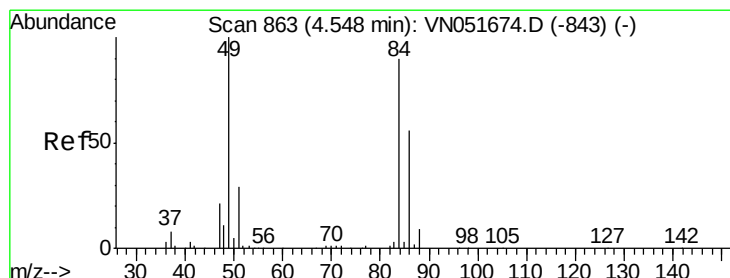
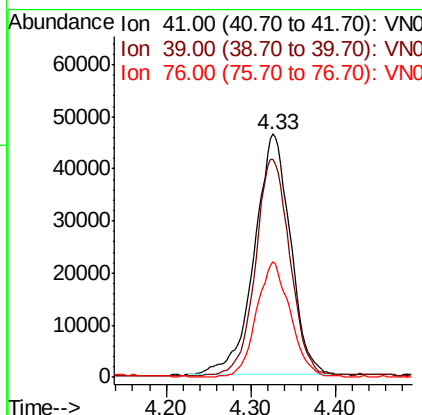
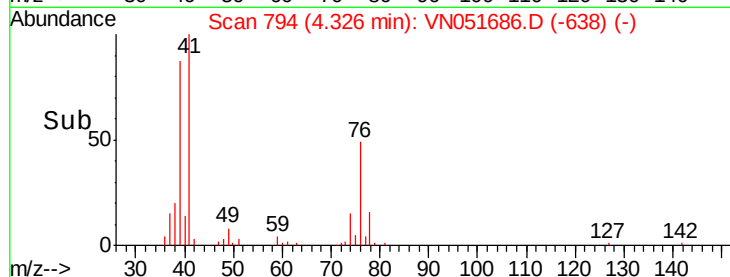
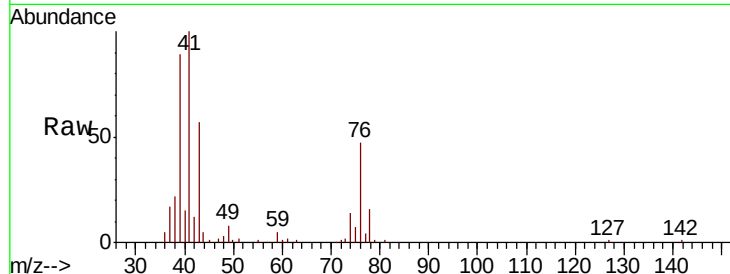
#17
Allvl chloride
Concen: 19.911 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	89.6	32.6	97.8
76	47.5	20.2	60.5

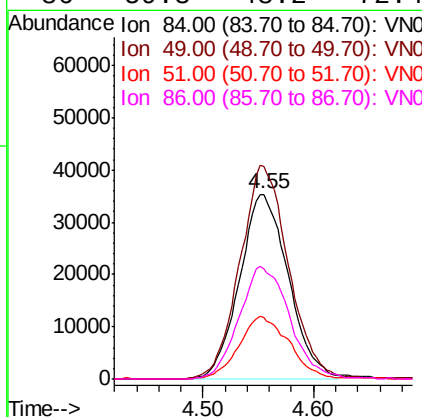
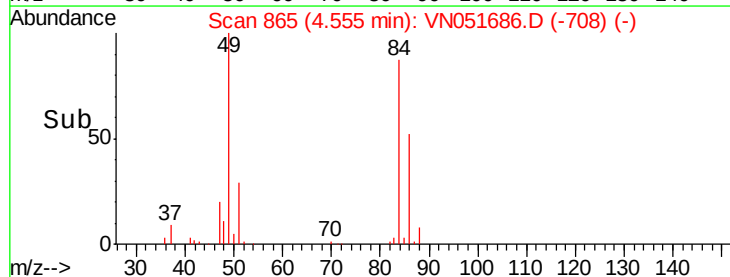
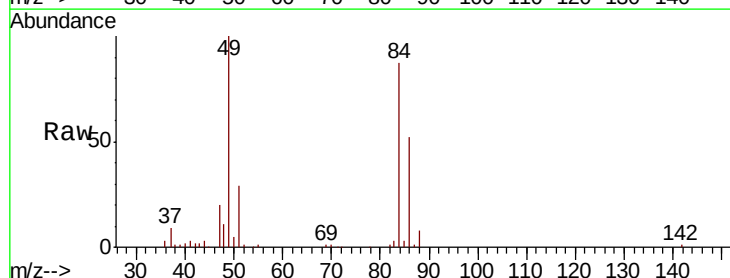
Manual Integrations
APPROVED

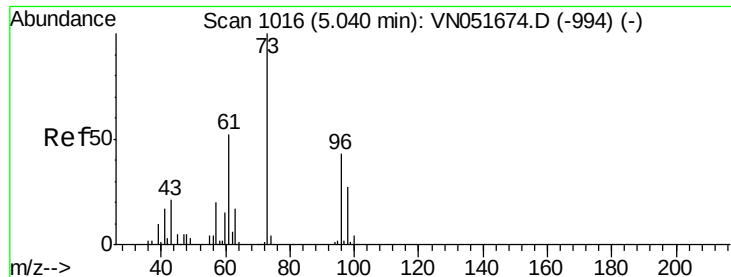
MMDadoda
10/8/2018 3:58:51 PM



#18
Methylene Chloride
Concen: 20.322 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.3	91.6	137.4
51	33.2	29.8	44.6
86	59.3	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 19.382 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

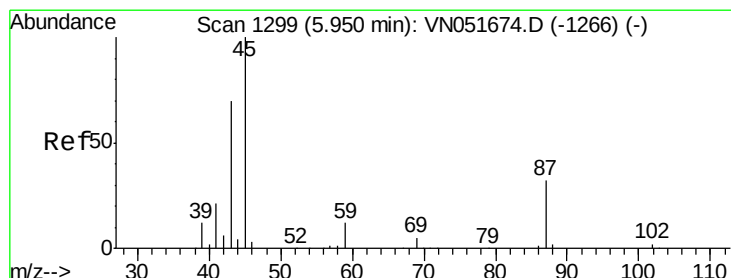
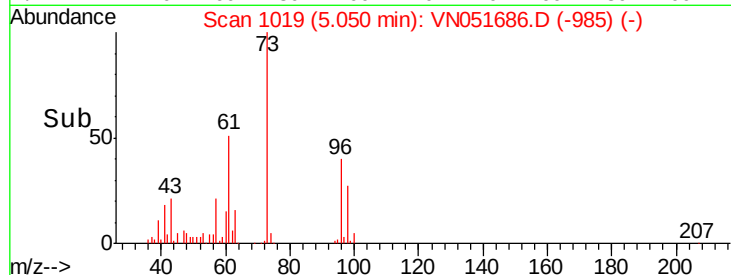
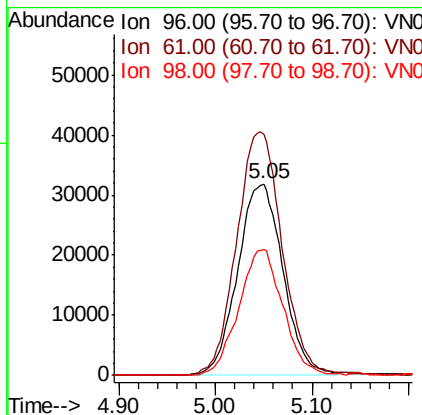
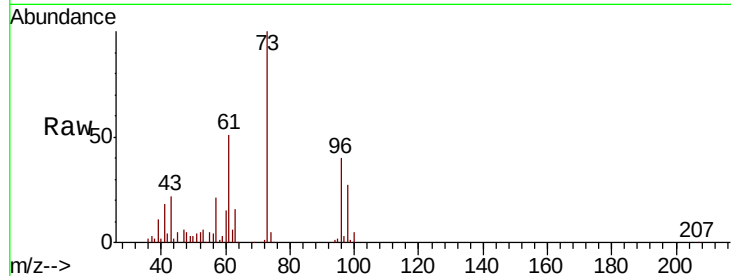
ClientSampled :

VN1005WBSD01

Tot Ion:	96	Resp:	103777
Ion	Ratio	Lower	Upper
96	100		
61	126.0	112.3	168.5
98	65.6	47.1	70.7

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#20

Diisopropyl ether

Concen: 19.635 ug/l

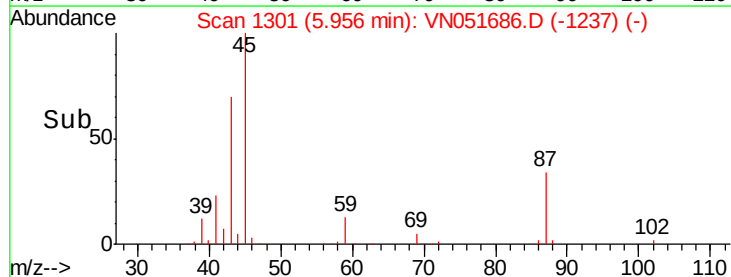
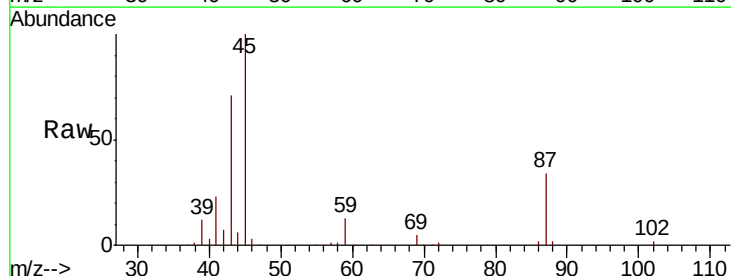
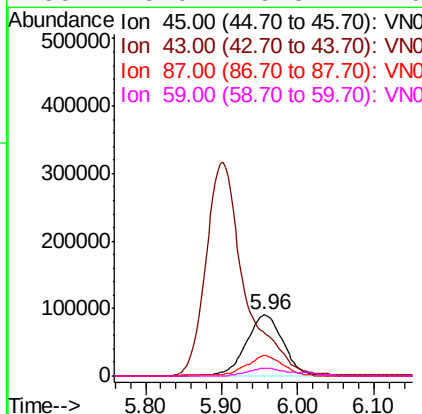
RT: 5.96 min Scan# 1301

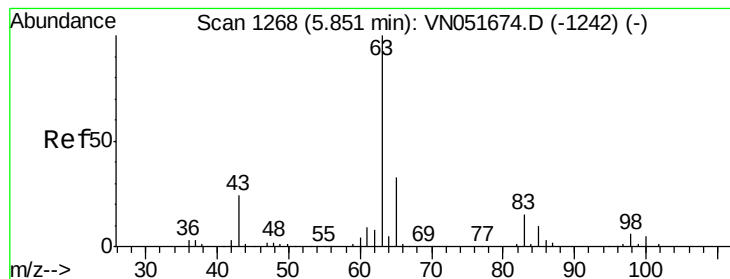
Delta R.T. 0.01 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Tgt Ion:	45	Resp:	304652
Ion	Ratio	Lower	Upper
45	100		
43	67.8	62.1	93.1
87	34.3	19.9	29.9
59	13.0	9.8	14.6





#21

1,1-Dichloroethane

Concen: 19.882 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

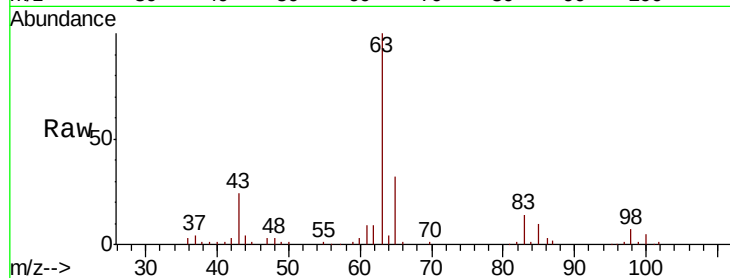
ClientSampleId :

VN1005WBSD01

Tot Ion:	63	Resp:	192531
Ion Ratio	Lower	Upper	
63	100		
98	6.5	4.1	12.3
100	4.8	1.6	4.7#

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM

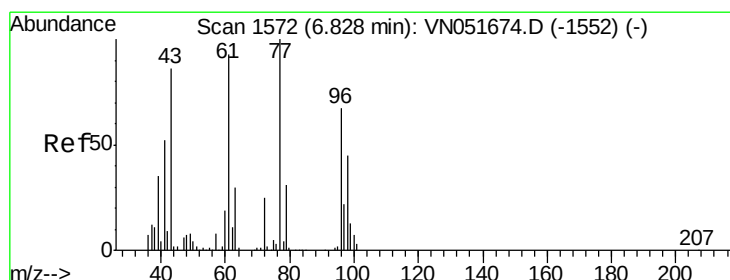
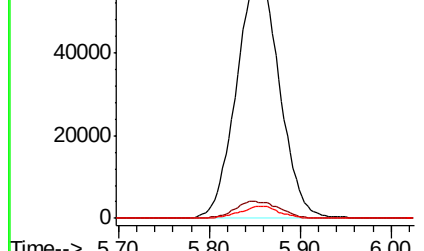
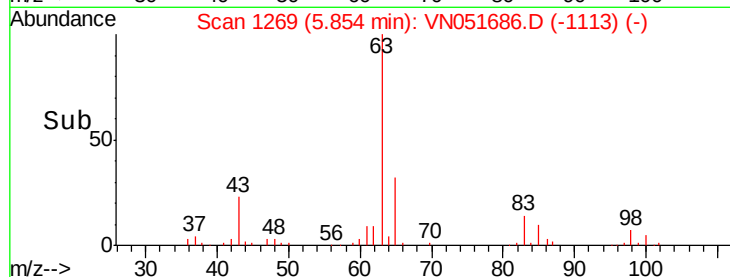


Abundance Ion 63.00 (62.70 to 63.70): VN051674.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VN051674.D (-1242) (-)

Ion 100.00 (99.70 to 100.70): VN051674.D (-1242) (-)

Time--> 5.70 5.80 5.90 6.00



#22

cis-1,2-Dichloroethene

Concen: 19.872 ug/l

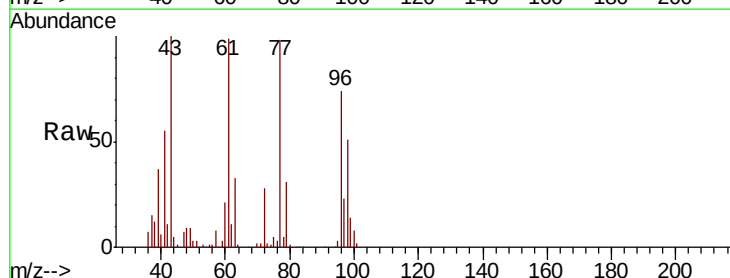
RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Tgt Ion:	96	Resp:	125179
Ion Ratio	Lower	Upper	
96	100		
61	136.0	124.5	186.7
98	66.8	51.9	77.9

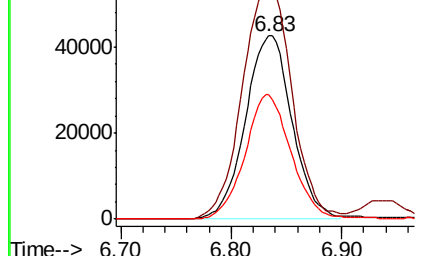
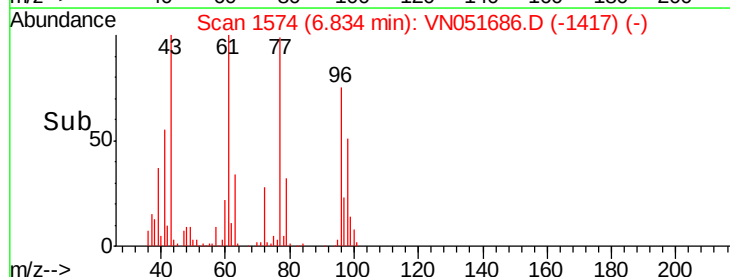


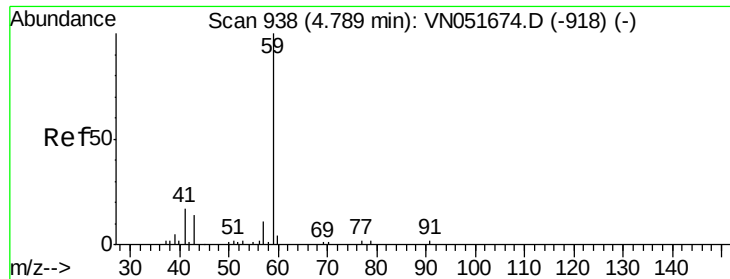
Abundance Ion 96.00 (95.70 to 96.70): VN051674.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN051674.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN051674.D (-1552) (-)

Time--> 6.70 6.80 6.90





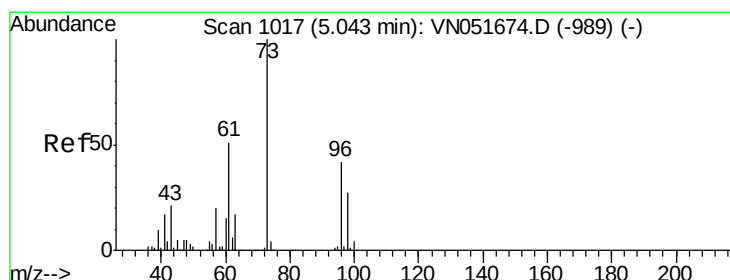
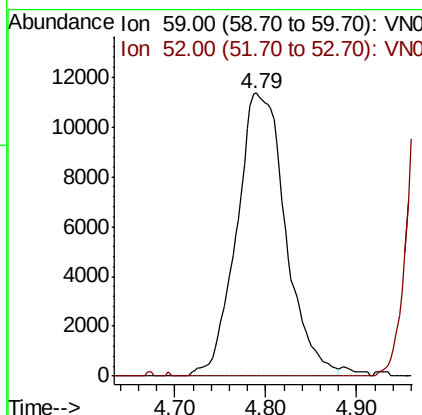
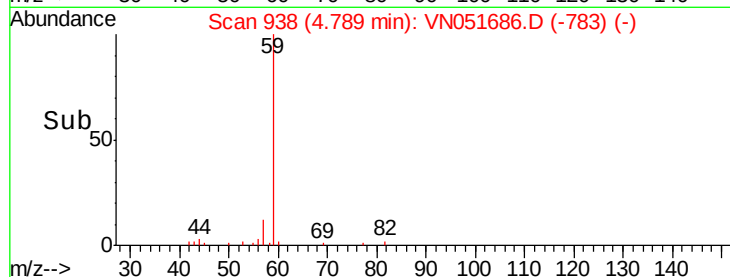
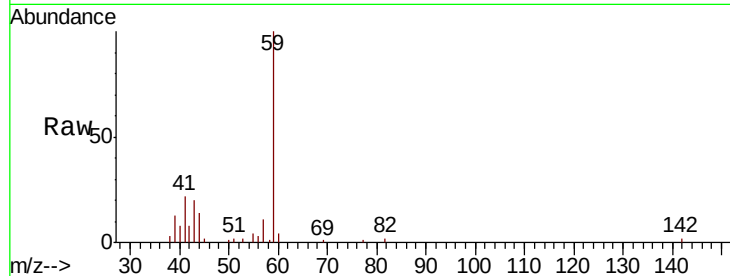
#23
 tert-Butyl Alcohol
 Concen: 107.510 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion: 59 Resp: 42380
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

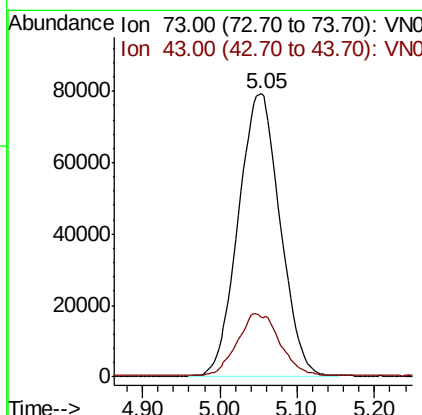
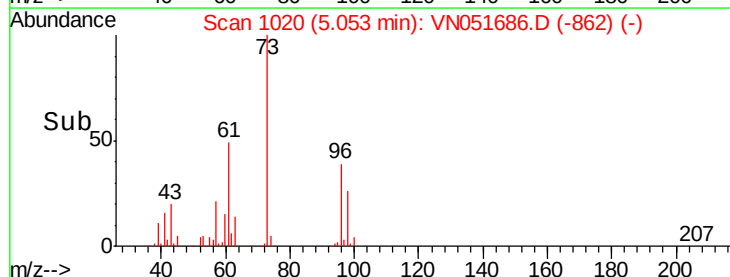
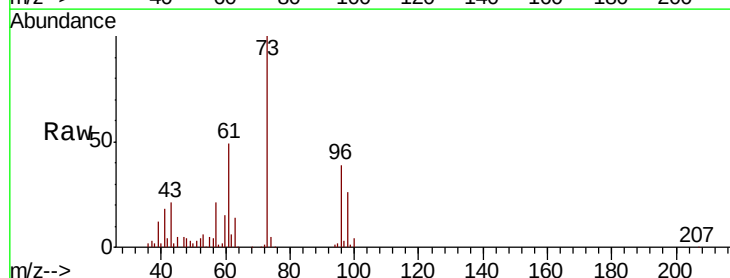
Manual Integrations
 APPROVED

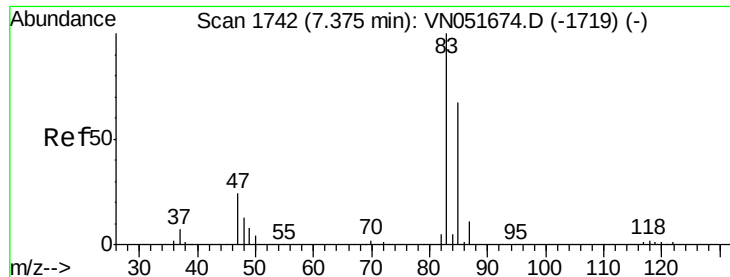
MMDadoda
 10/8/2018 3:58:51 PM



#24
 Methyl tert-Butyl Ether
 Concen: 19.696 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion: 73 Resp: 299542
 Ion Ratio Lower Upper
 73 100
 43 13.3 5.4 8.0#





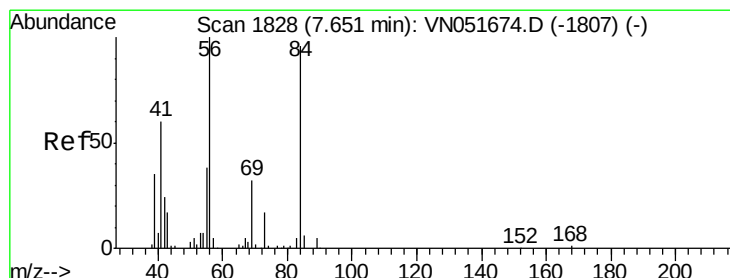
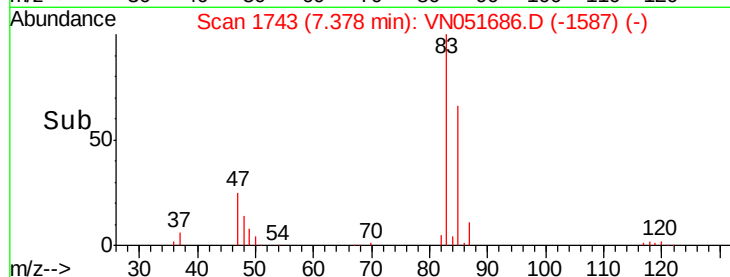
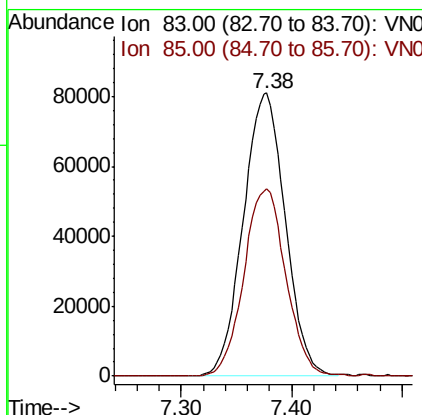
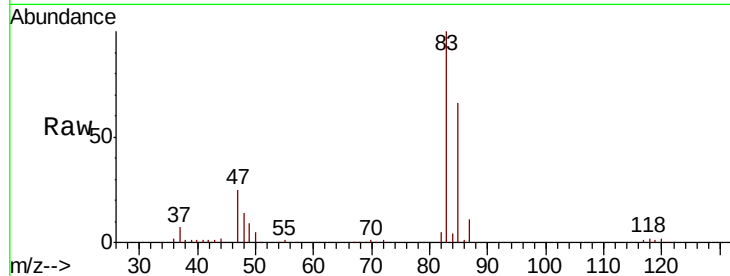
#25
Chloroform
Concen: 19.511 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	83	Resp	213627
Ion Ratio	100	Lower	Upper
83	100		
85	66.3	54.6	82.0

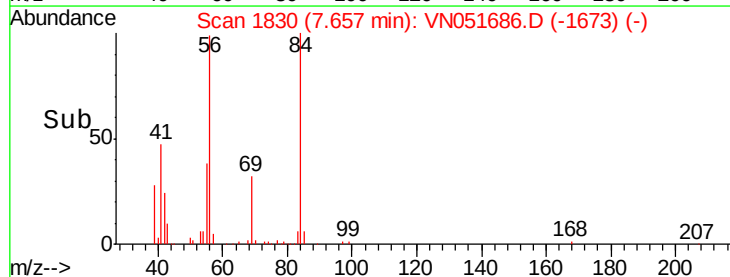
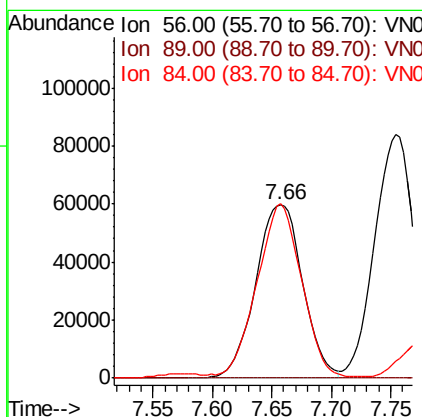
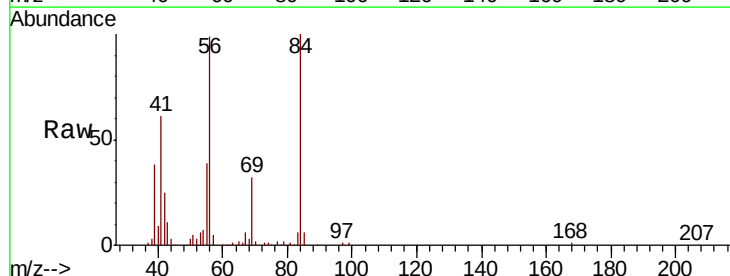
Manual Integrations
APPROVED

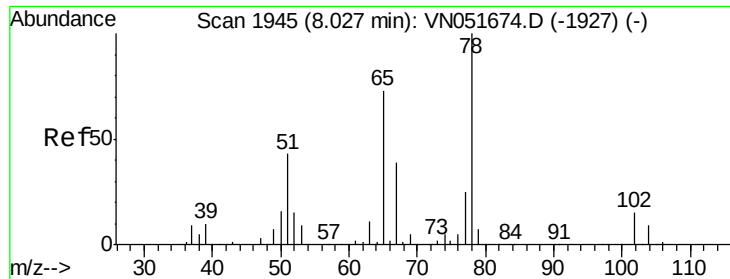
MMDadoda
10/8/2018 3:58:51 PM



#26
Cyclohexane
Concen: 19.907 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	56	Resp	163808
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	1.5	2.3#
84	95.6	64.2	96.4





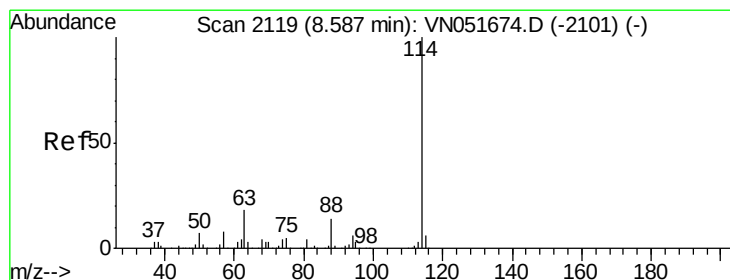
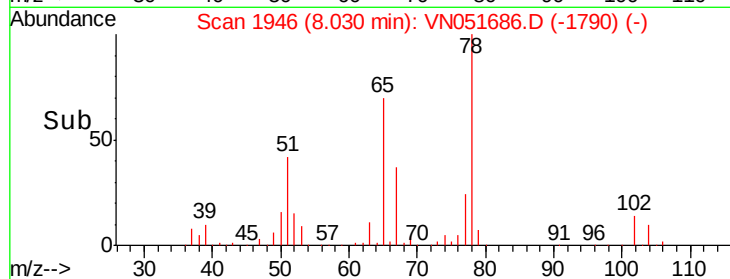
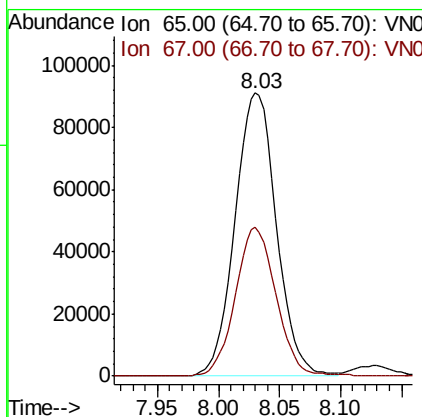
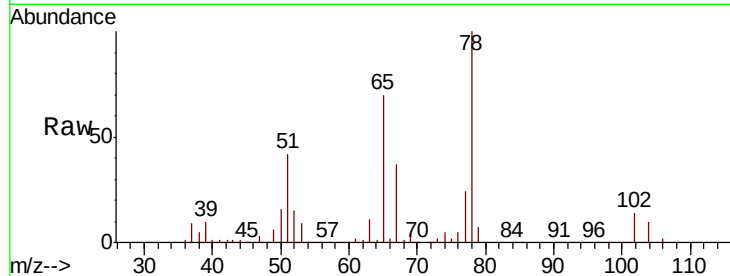
#27
 1,2-Dichloroethane-d4
 Concen: 19.907 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	41.8	62.8

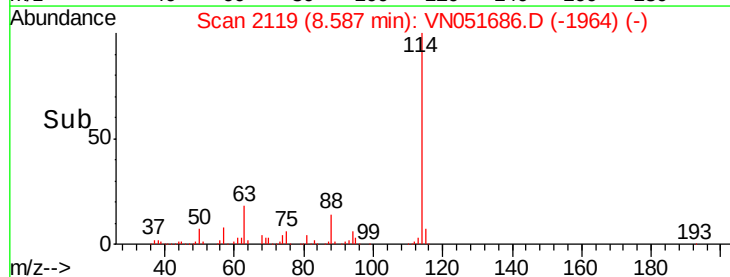
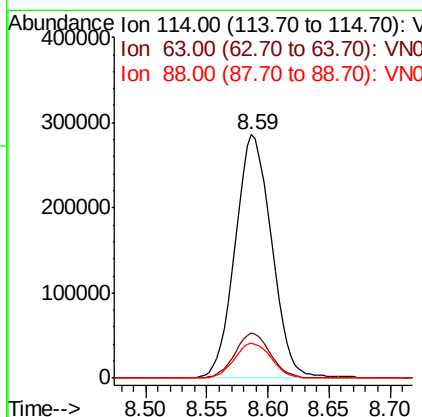
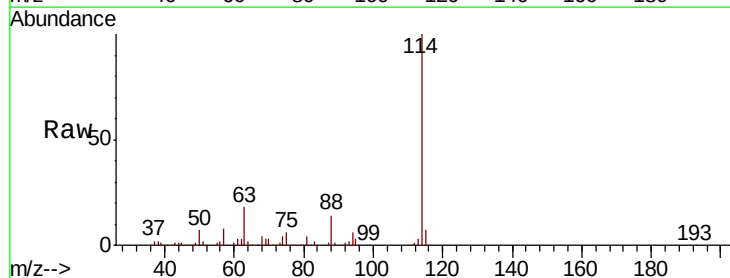
Manual Integrations
 APPROVED

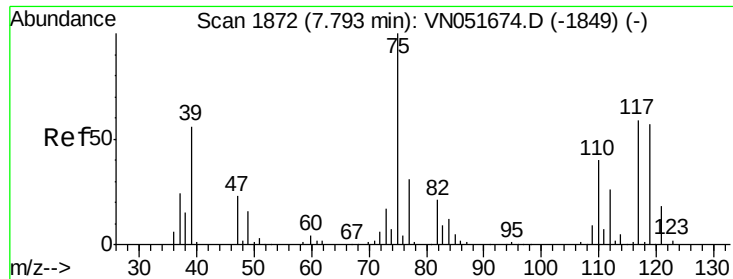
MMDadoda
 10/8/2018 3:58:51 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	16.2	24.2
88	14.6	12.2	18.4





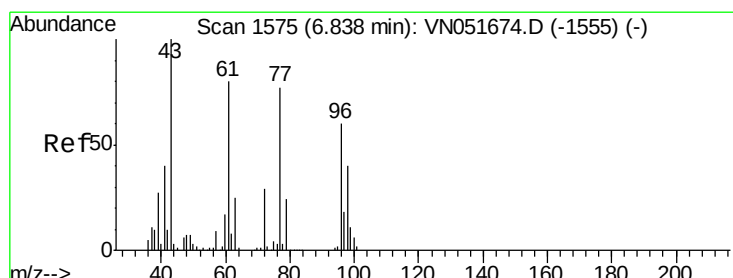
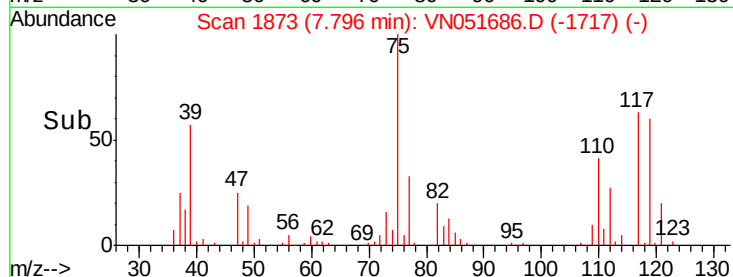
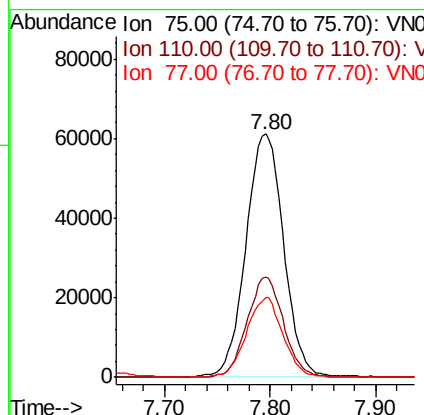
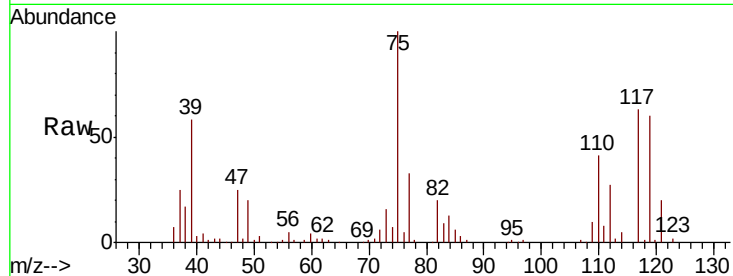
#29
 1,1-Dichloropropene
 Concen: 19.448 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.7	0.0	70.8
77	31.8	0.0	61.6

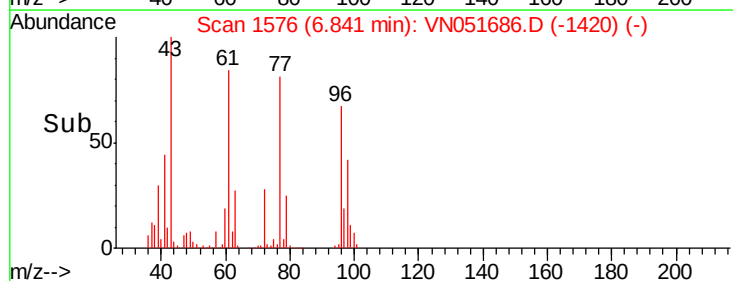
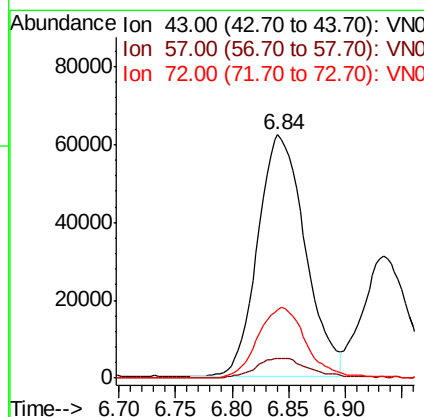
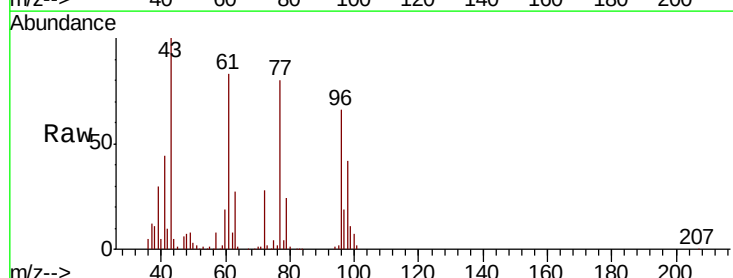
Manual Integrations
 APPROVED

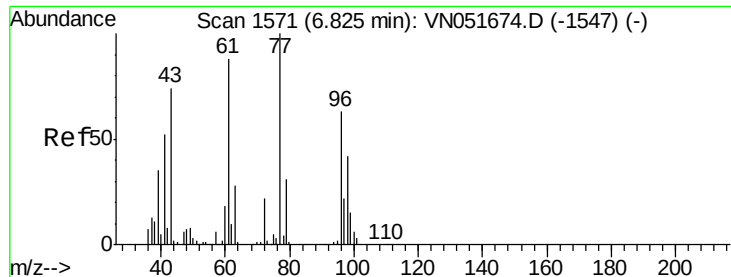
MMDadoda
 10/8/2018 3:58:51 PM



#30
 2-Butanone
 Concen: 94.515 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	4.7	4.5	6.7
72	29.4	21.5	32.3





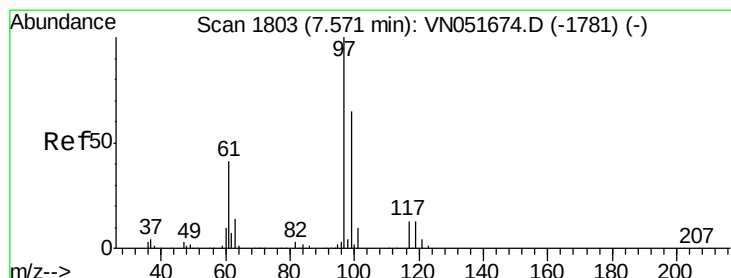
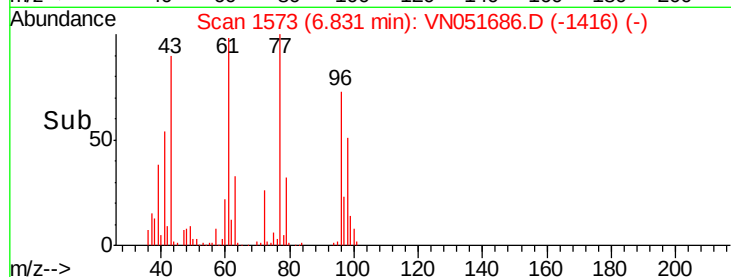
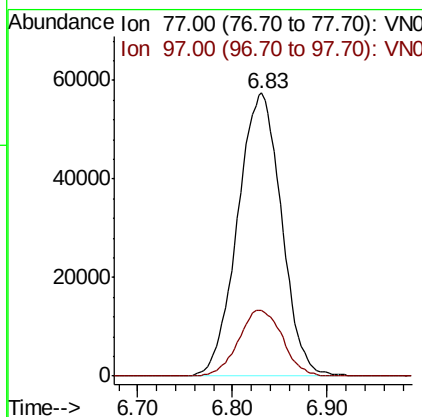
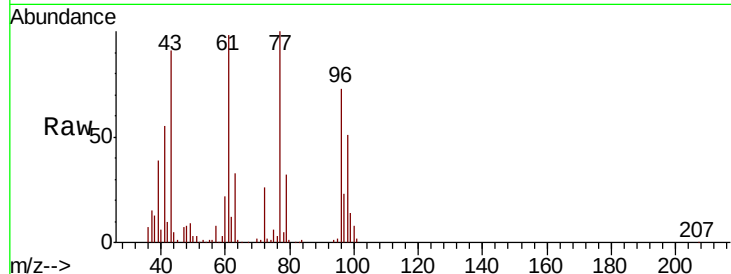
#31
 2,2-Dichloropropane
 Concen: 18.888 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion: 77 Resp: 184802
 Ion Ratio Lower Upper
 77 100
 97 23.4 12.0 18.0#

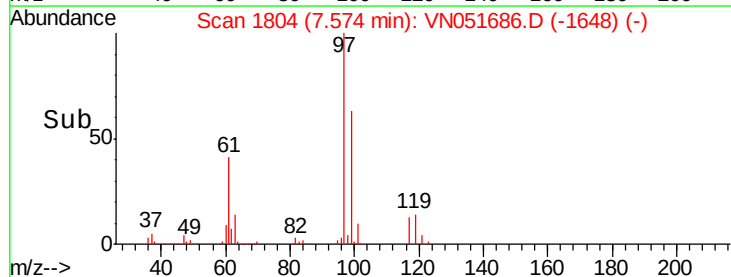
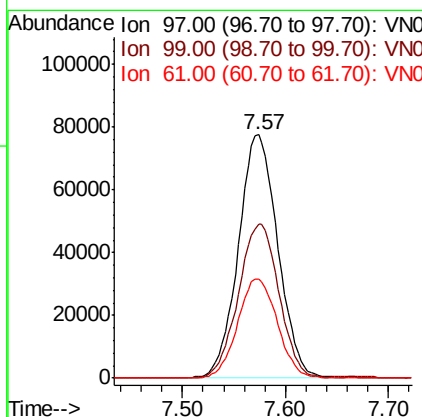
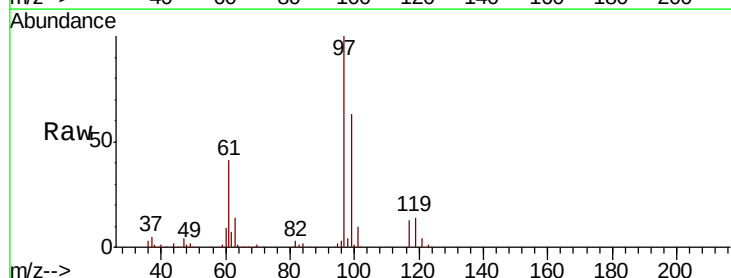
Manual Integrations
 APPROVED

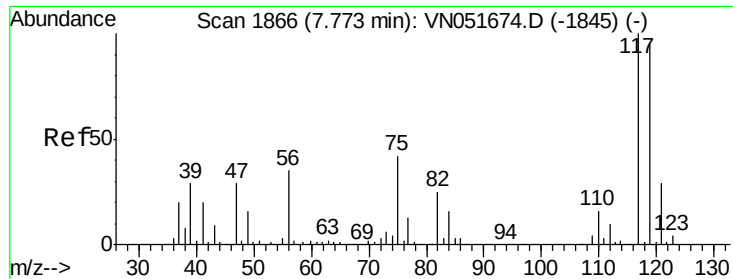
MMDadoda
 10/8/2018 3:58:51 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.518 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion: 97 Resp: 206143
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.6 77.4
 61 41.1 37.4 56.0





#33

Carbon Tetrachloride

Concen: 19.595 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

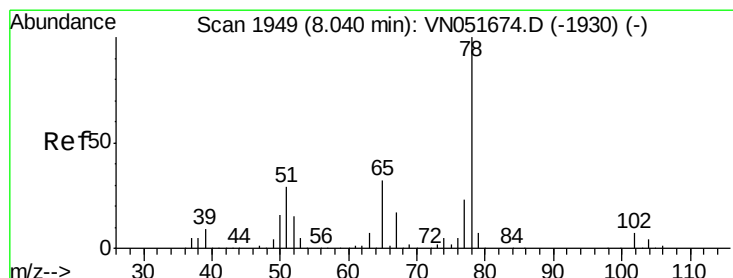
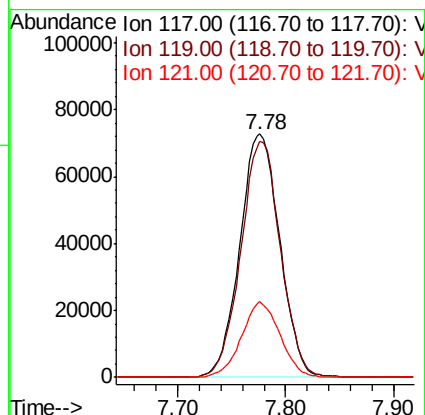
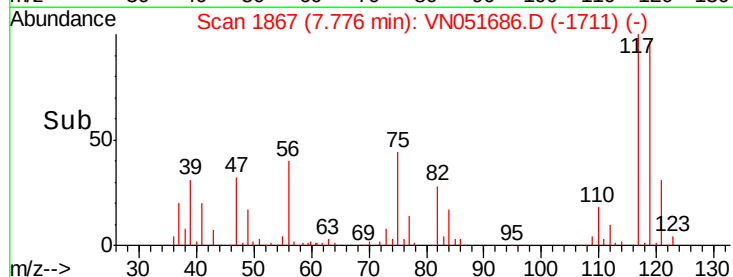
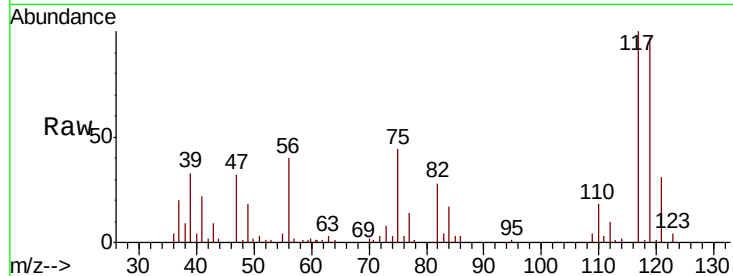
ClientSampleId :

VN1005WBSD01

Tot Ion:	117	Resp:	187623
Ion Ratio	Lower	Upper	
117	100		
119	96.7	85.1	127.7
121	30.9	24.2	36.2

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#34

Benzene

Concen: 19.466 ug/l

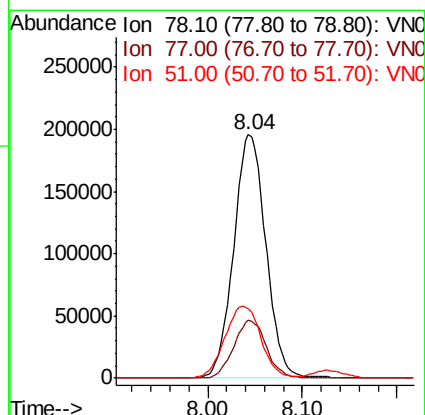
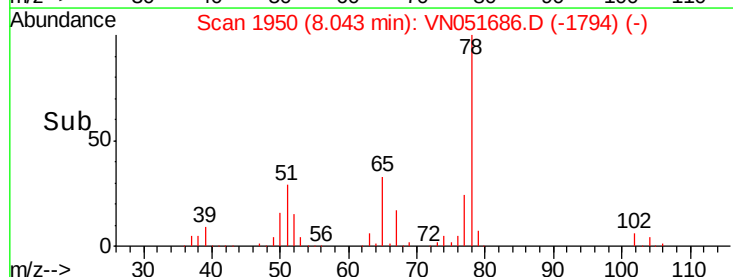
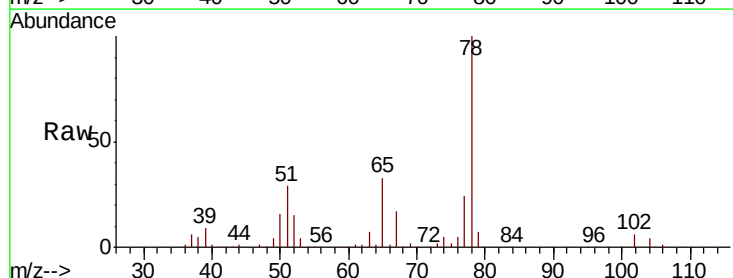
RT: 8.04 min Scan# 1950

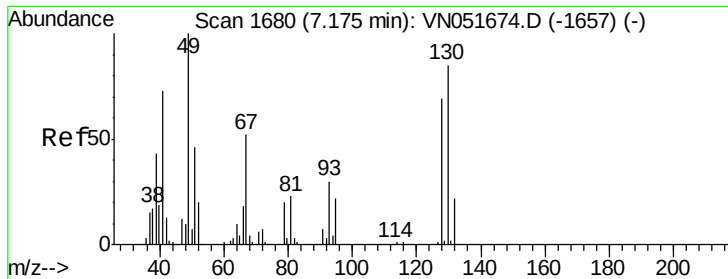
Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Tgt Ion:	78	Resp:	462474
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2
51	28.4	46.2	69.4#





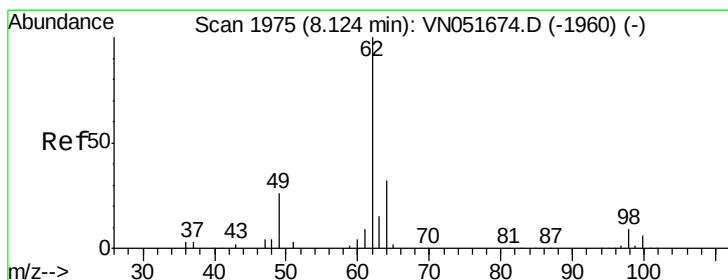
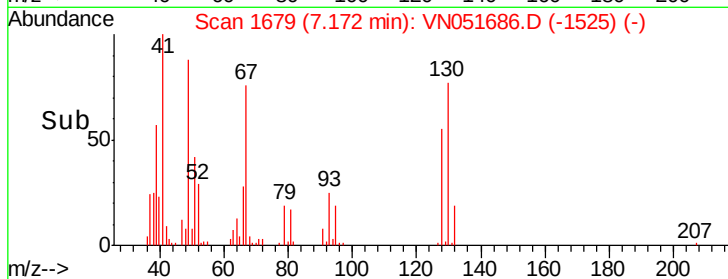
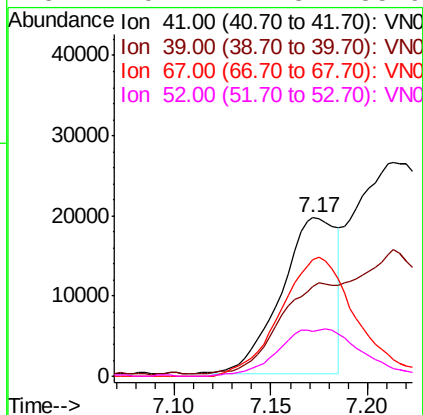
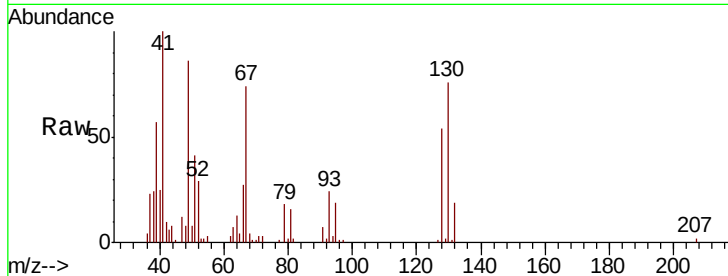
#35
Methacrylonitrile
Concen: 18.433 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion:	41	Resp:	38911
Ion	Ratio	Lower	Upper
41	100		
39	56.1	22.6	67.7
67	75.0	28.9	86.8
52	29.2	11.3	33.9

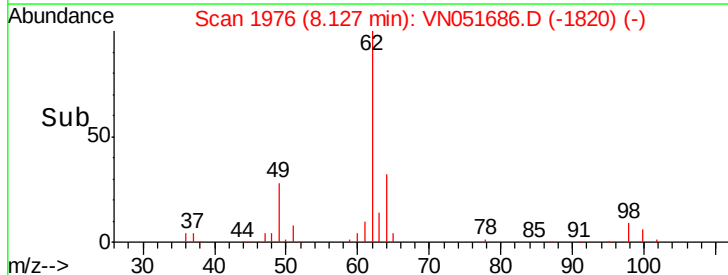
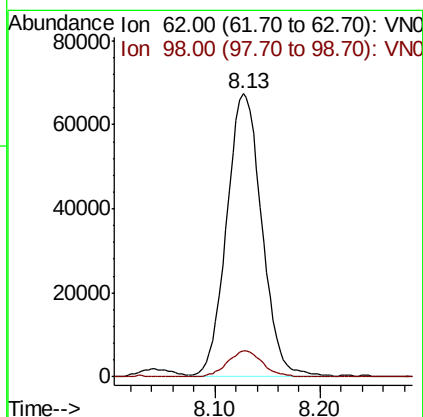
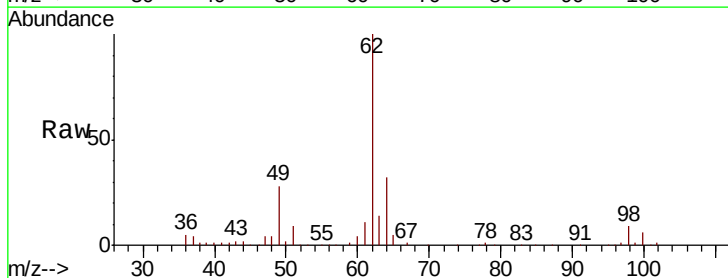
Manual Integrations
APPROVED

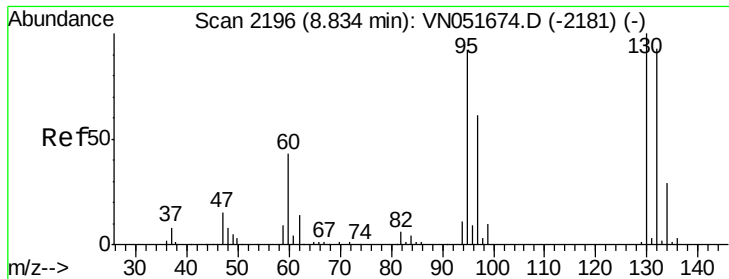
MMDadoda
10/8/2018 3:58:51 PM



#36
1,2-Dichloroethane
Concen: 19.572 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion:	62	Resp:	155627
Ion	Ratio	Lower	Upper
62	100		
98	9.3	6.9	10.3





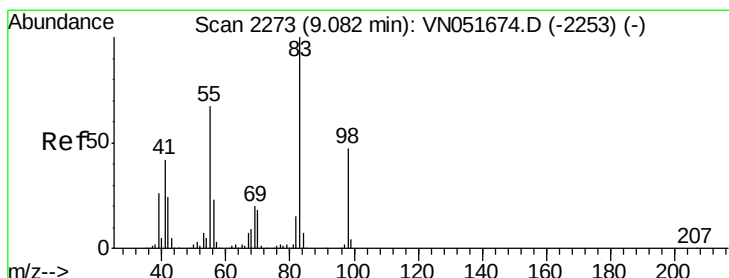
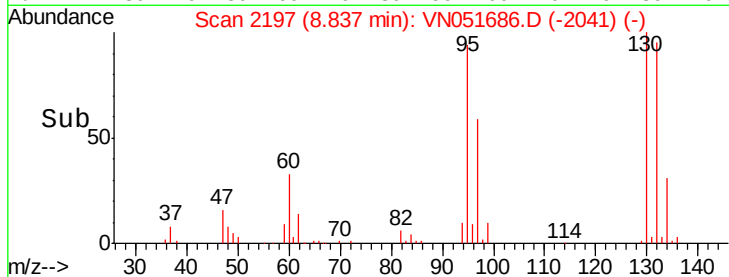
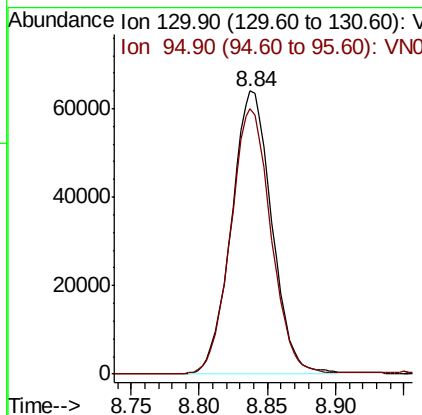
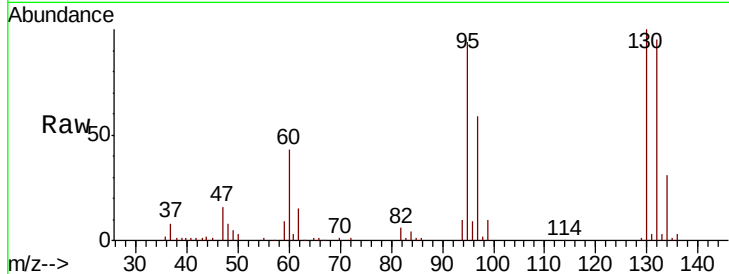
#37
 Trichloroethene
 Concen: 19.930 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion:130 Resp: 131663
 Ion Ratio Lower Upper
 130 100
 95 93.5 76.4 114.6

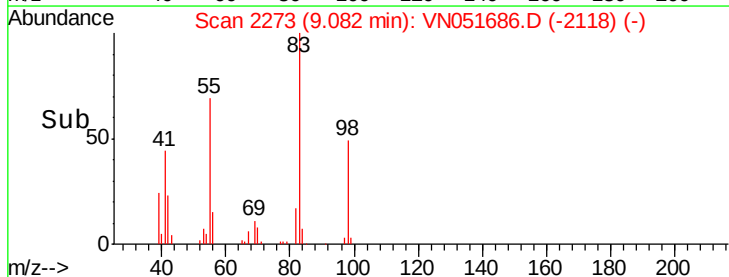
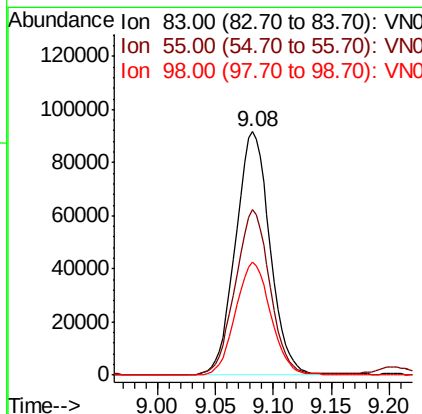
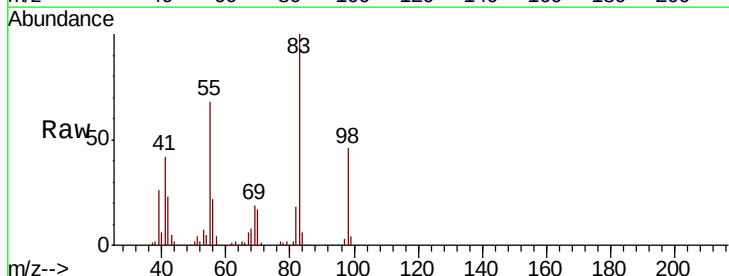
Manual Integrations
 APPROVED

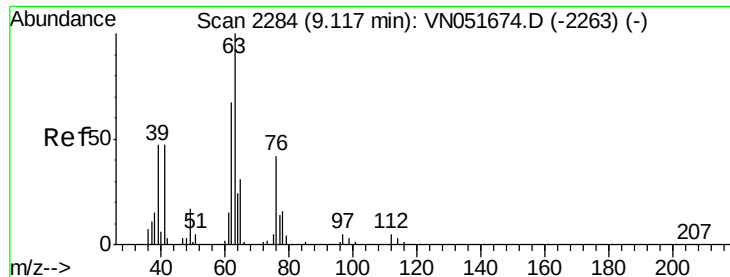
MMDadoda
 10/8/2018 3:58:51 PM



#38
 Methylcyclohexane
 Concen: 19.057 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion: 83 Resp: 189527
 Ion Ratio Lower Upper
 83 100
 55 67.7 43.0 129.2
 98 47.2 21.3 63.7





#39

1,2-Dichloropropane

Concen: 19.745 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 63 Resp: 114896

Ion Ratio Lower Upper

63 100

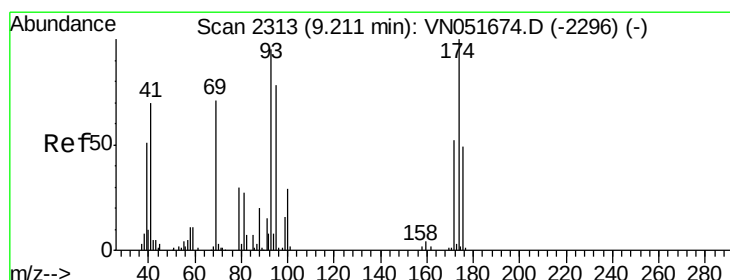
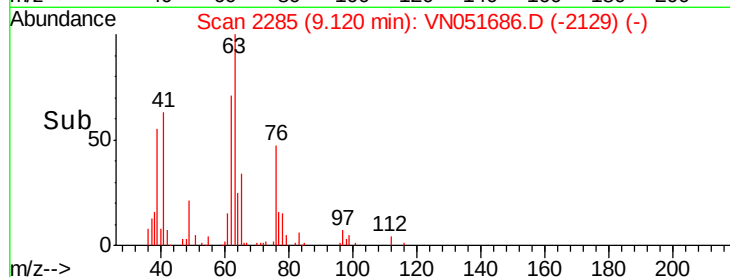
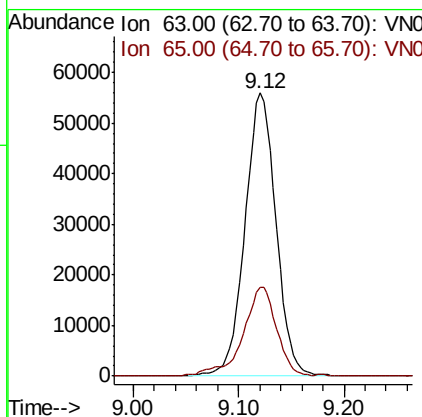
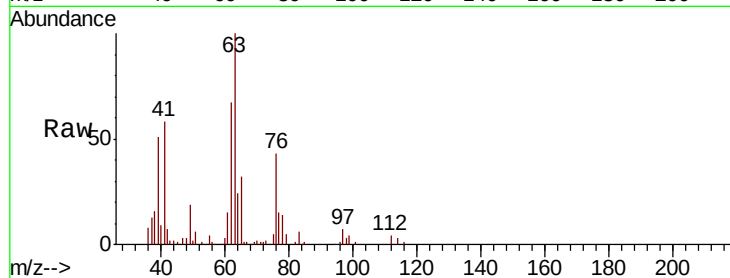
65 31.6 23.2 34.8

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#40

Dibromomethane

Concen: 19.627 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

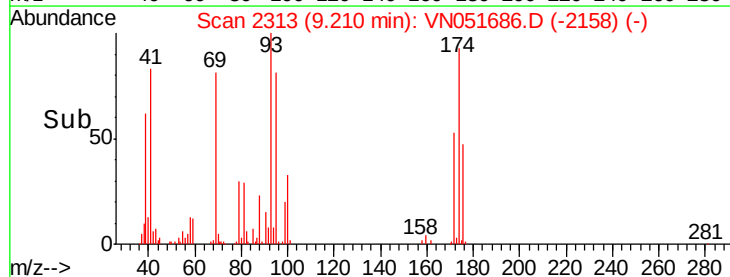
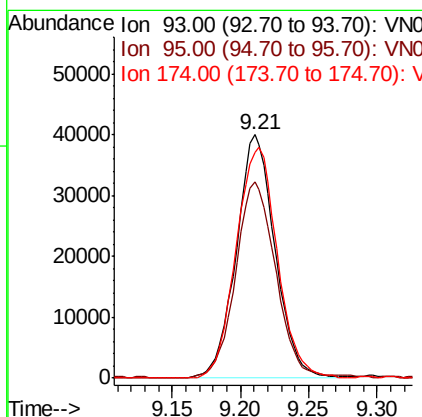
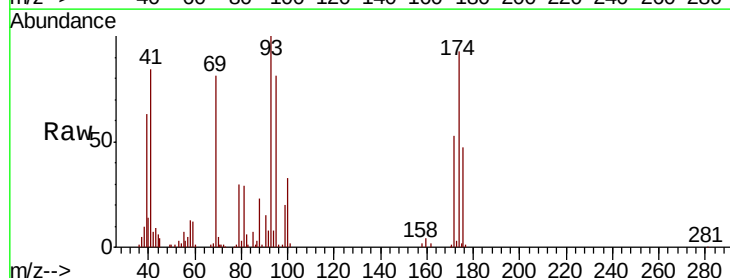
Tgt Ion: 93 Resp: 79012

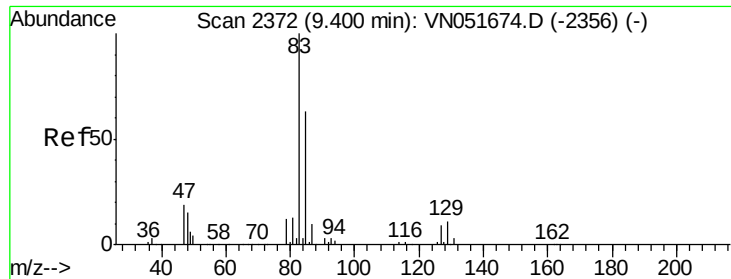
Ion Ratio Lower Upper

93 100

95 83.4 0.0 162.0

174 100.7 0.0 214.0





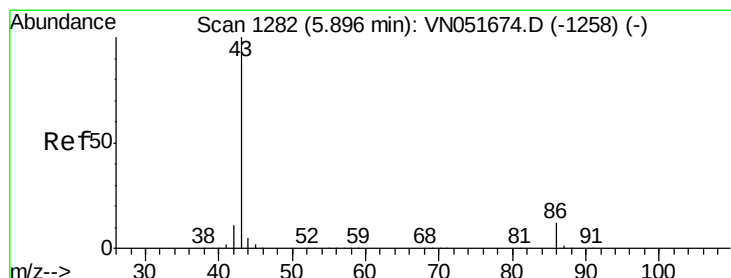
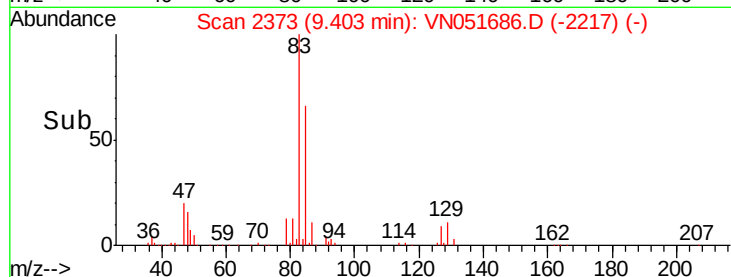
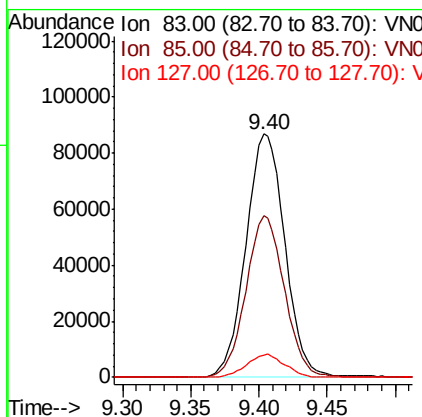
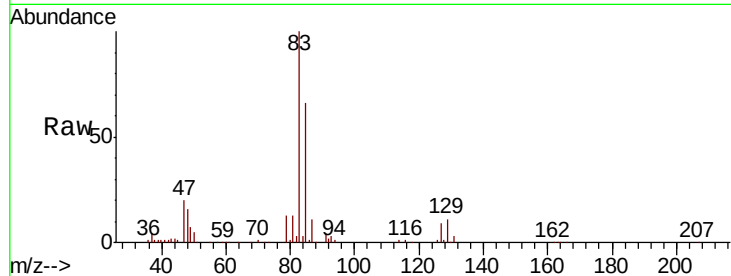
#41
 Bromodichloromethane
 Concen: 19.157 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.3	55.7	83.5
127	9.3	8.2	12.4

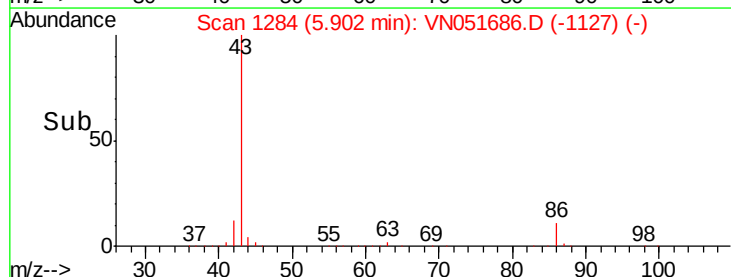
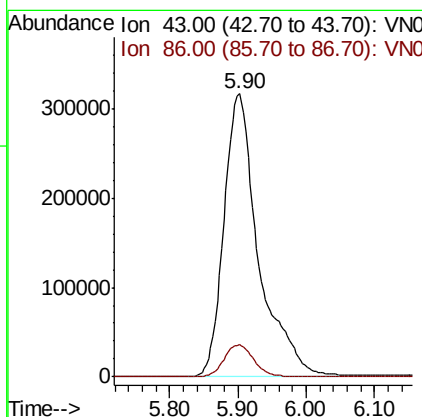
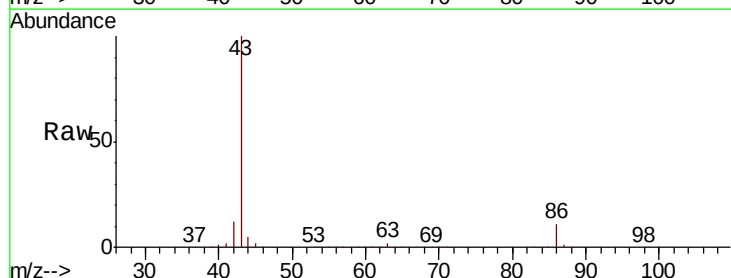
Manual Integrations
 APPROVED

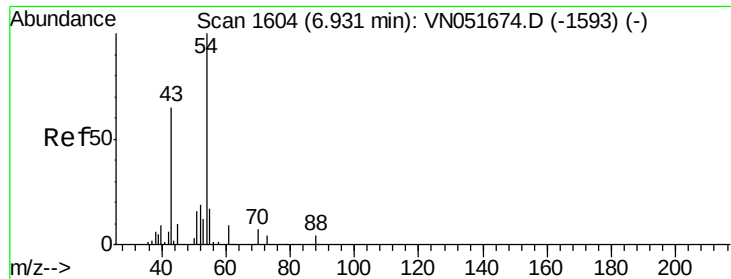
MMDadoda
 10/8/2018 3:58:51 PM



#42
 Vinyl Acetate
 Concen: 98.862 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.8	6.5	9.7#





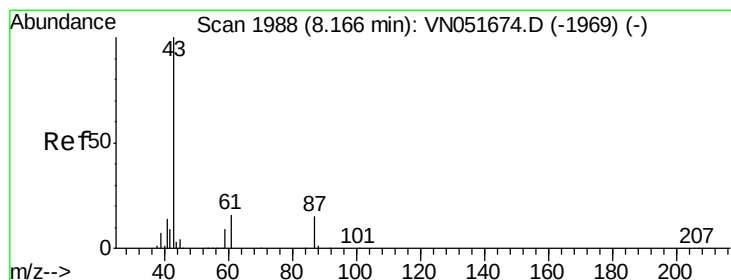
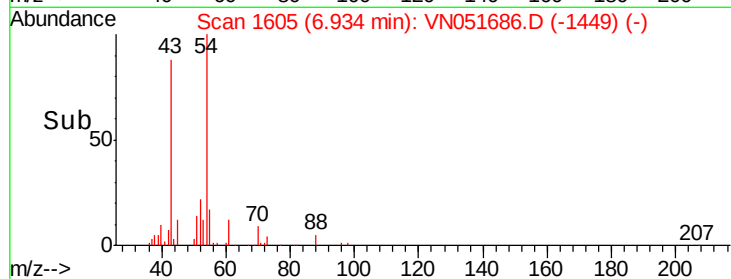
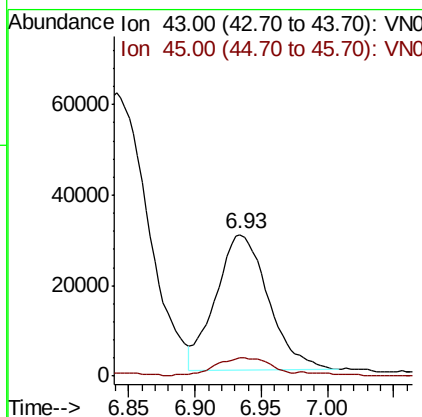
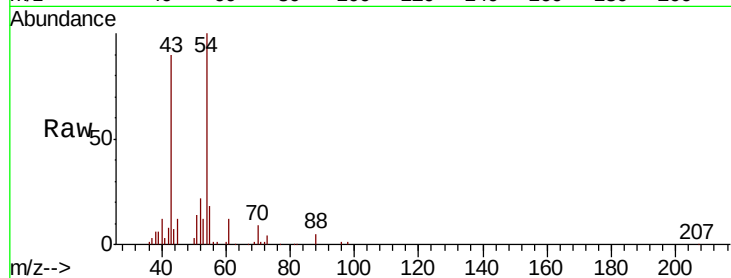
#43
Ethyl Acetate
Concen: 20.579 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion: 43 Resp: 82822
Ion Ratio Lower Upper
43 100
45 8.6 11.0 16.6#

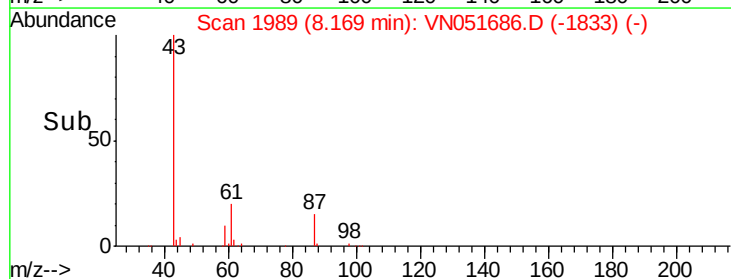
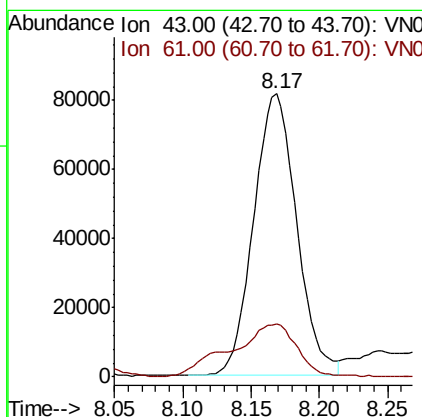
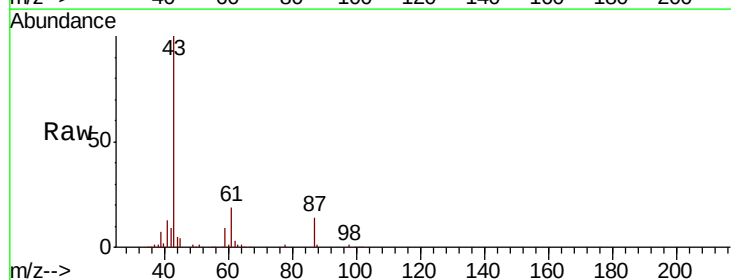
Manual Integrations
APPROVED

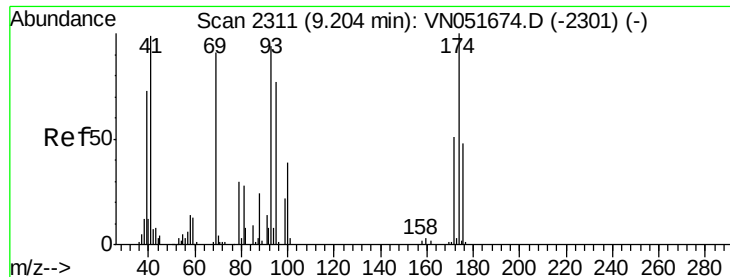
MMDadoda
10/8/2018 3:58:51 PM



#44
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion: 43 Resp: 178858
Ion Ratio Lower Upper
43 100
61 18.0 15.9 23.9





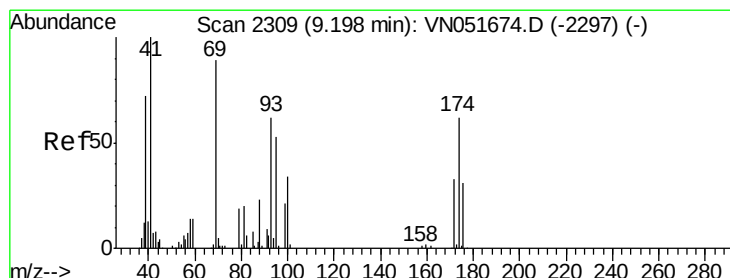
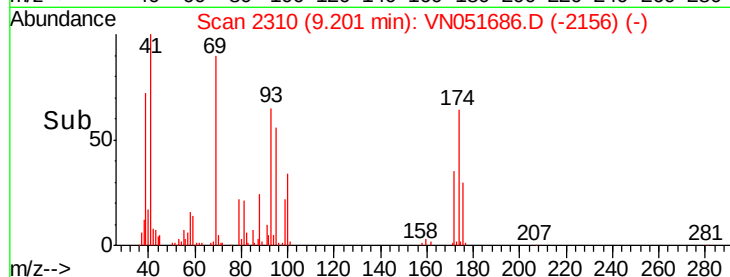
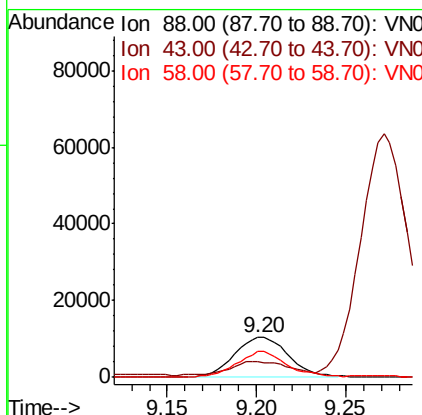
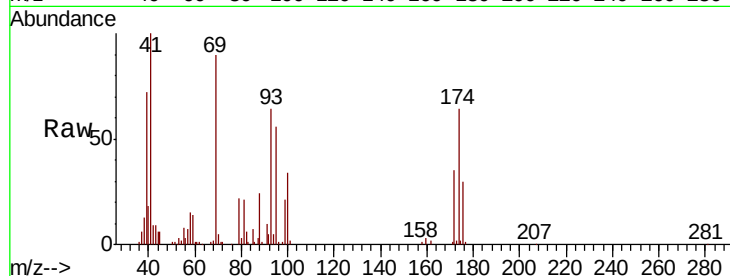
#45
 1,4-Dioxane
 Concen: 395.922 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	26.2	39.2
58	58.3	65.6	98.4#

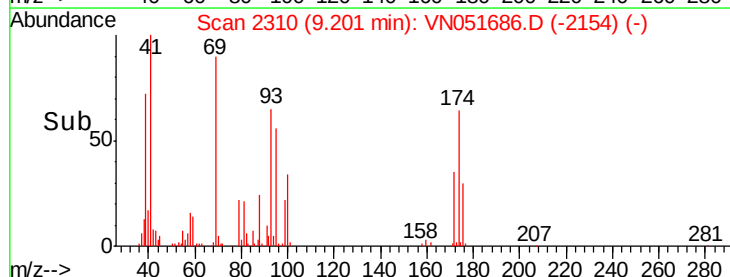
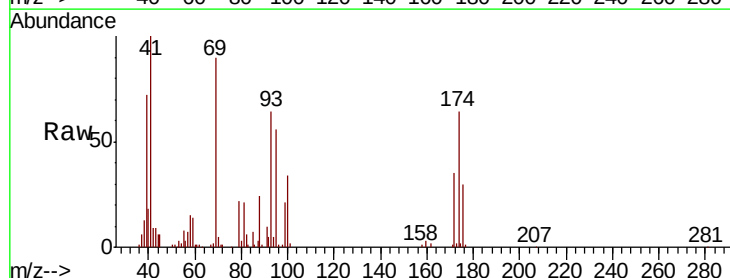
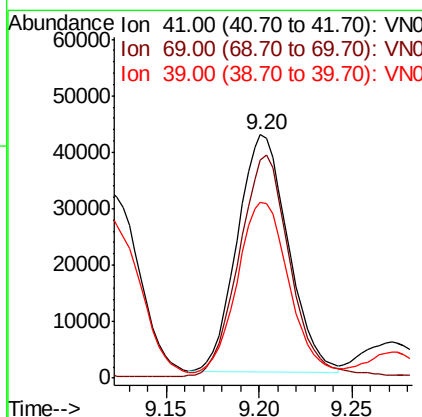
Manual Integrations
 APPROVED

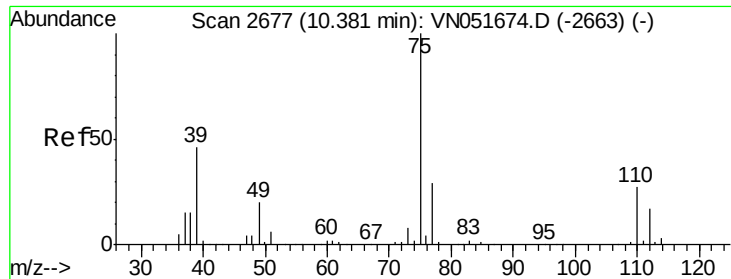
MMDadoda
 10/8/2018 3:58:51 PM



#46
 Methyl methacrylate
 Concen: 20.089 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.0	40.7	122.1
39	71.8	27.3	81.9





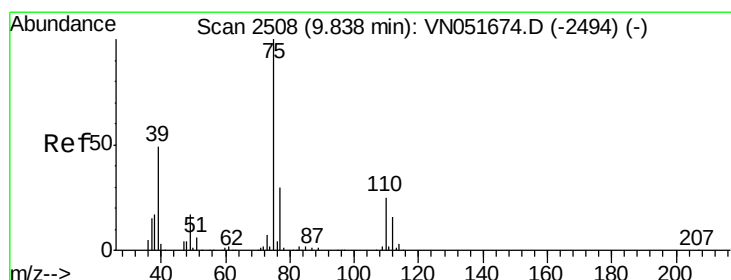
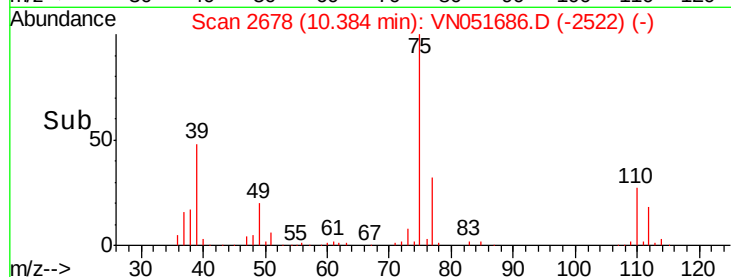
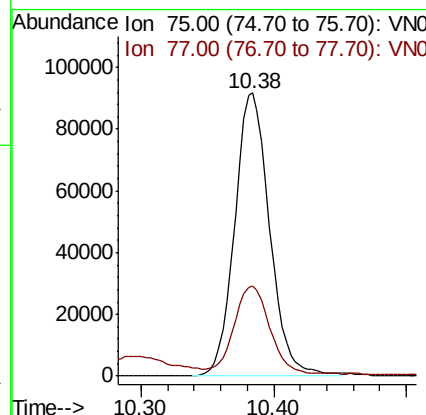
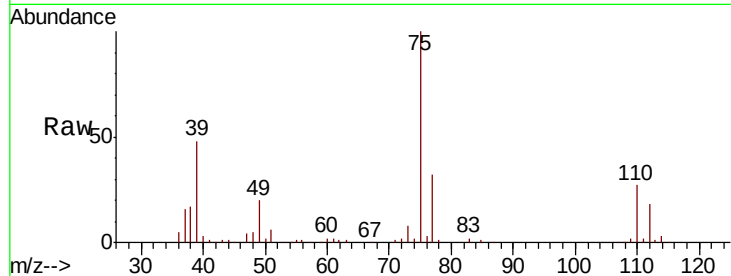
#48
t-1,3-Dichloropropene
Concen: 18.473 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.6	37.0

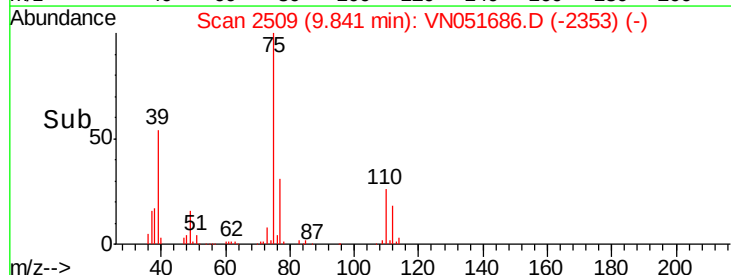
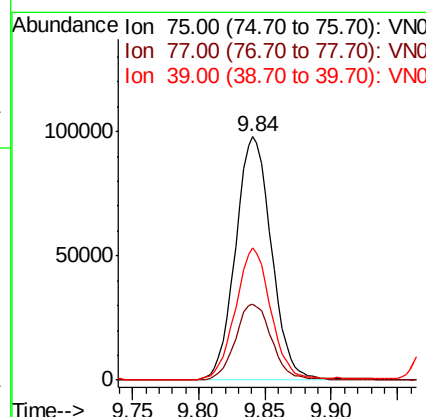
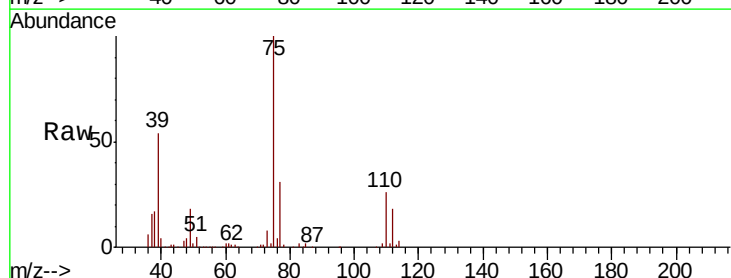
Manual Integrations
APPROVED

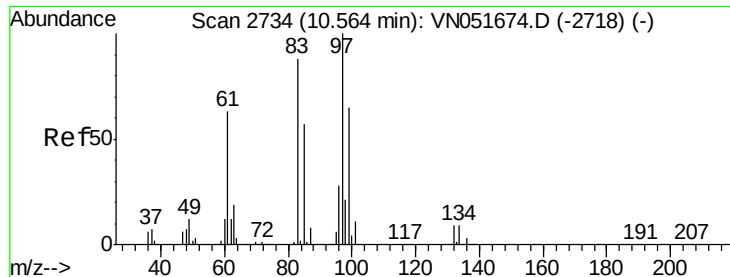
MMDadoda
10/8/2018 3:58:51 PM



#49
cis-1,3-Dichloropropene
Concen: 18.790 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.2	34.8
39	53.9	34.6	52.0





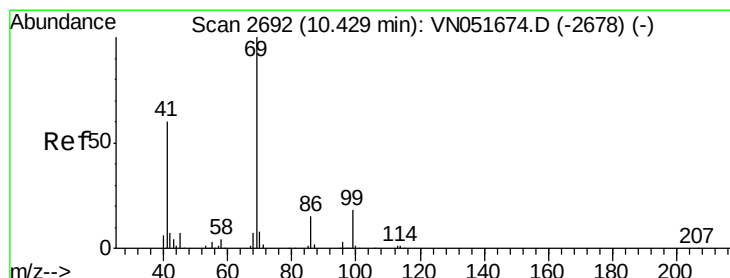
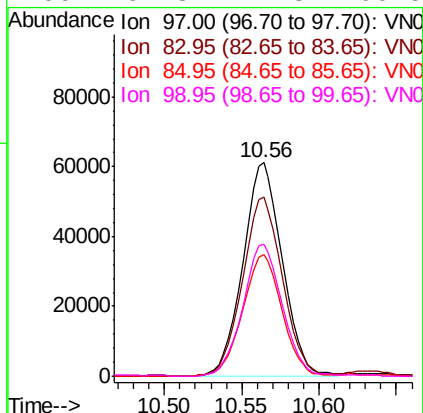
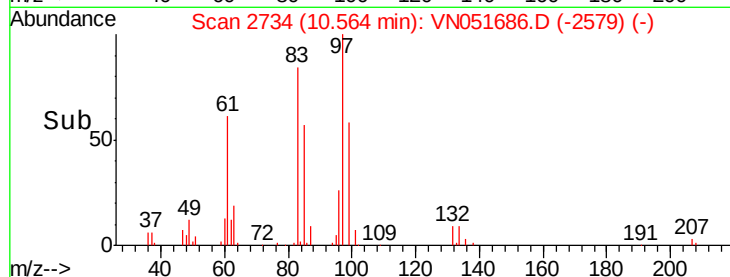
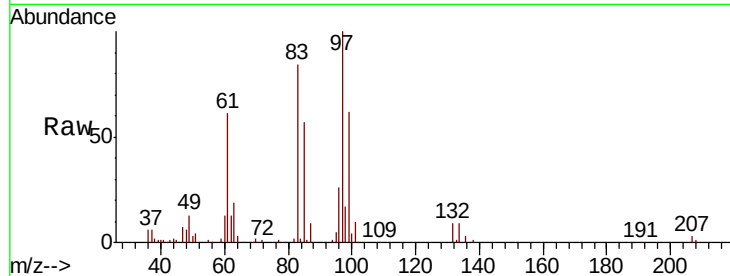
#50
 1,1,2-Trichloroethane
 Concen: 19.045 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.2	102.4
85	57.1	42.5	63.7
99	61.8	44.3	66.5

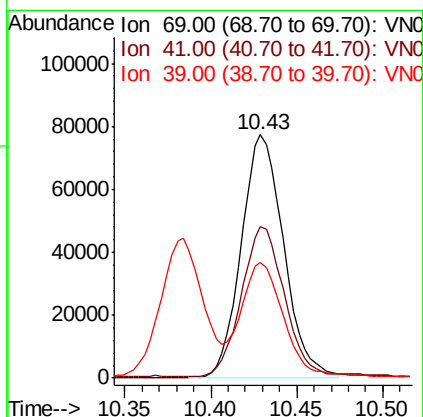
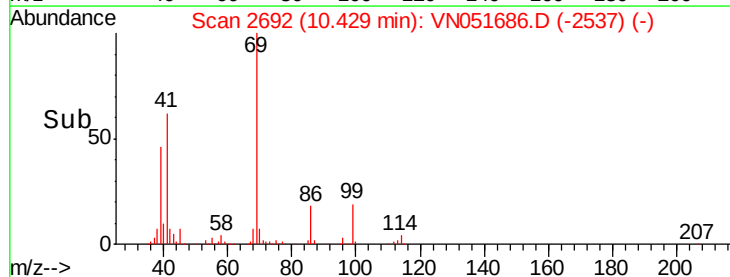
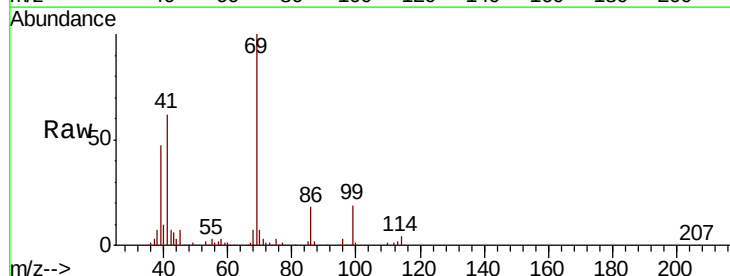
Manual Integrations
 APPROVED

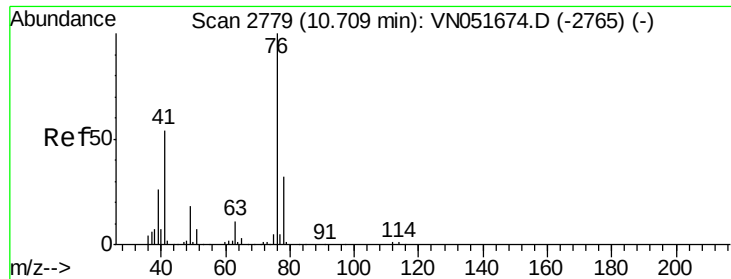
MMDadoda
 10/8/2018 3:58:51 PM



#51
 Ethyl methacrylate
 Concen: 18.391 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.2	34.4	103.1
39	45.4	16.3	48.8





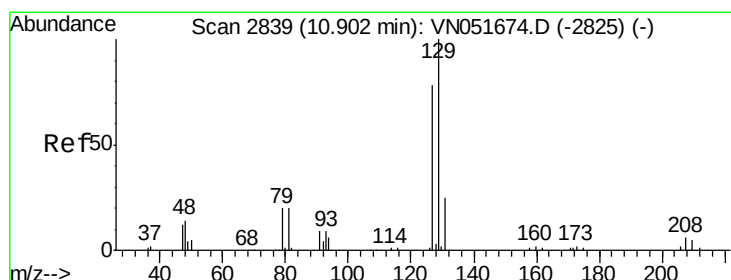
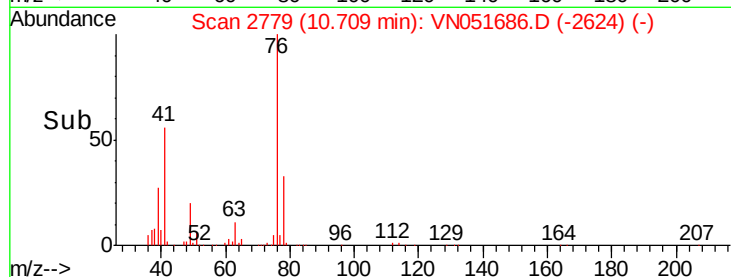
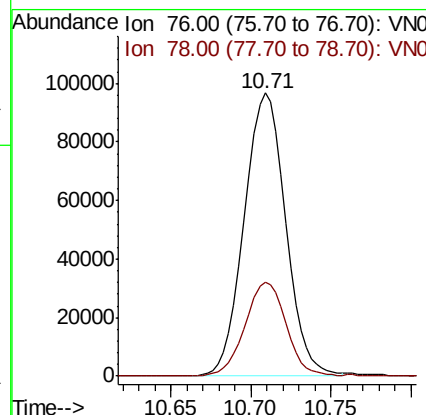
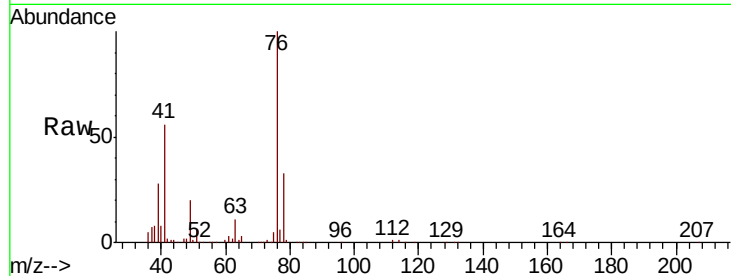
#52
 1,3-Dichloropropane
 Concen: 18.955 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion: 76 Resp: 171380
 Ion Ratio Lower Upper
 76 100
 78 32.9 0.0 67.6

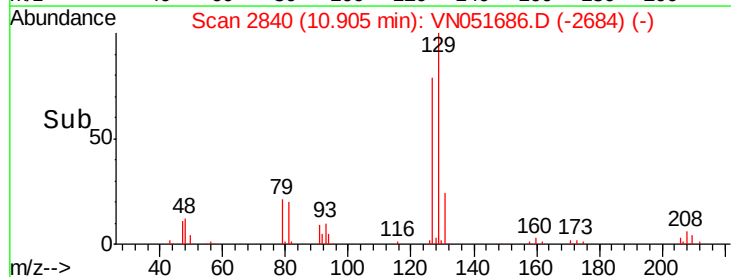
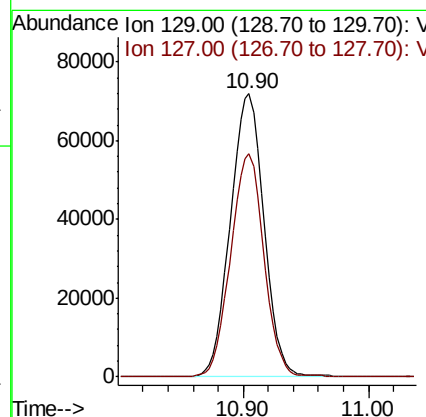
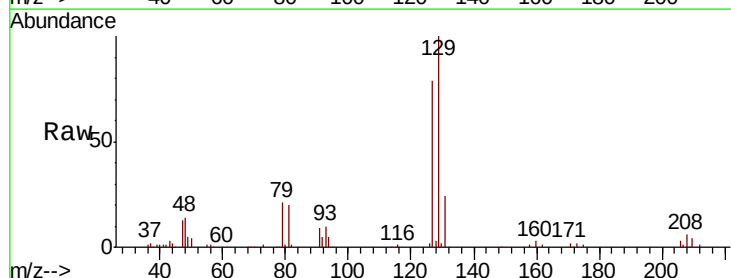
Manual Integrations
 APPROVED

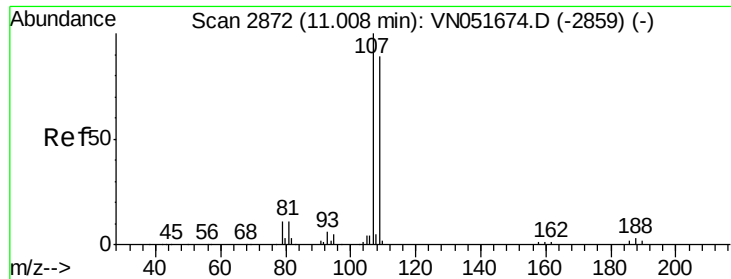
MMDadoda
 10/8/2018 3:58:51 PM



#53
 Dibromochloromethane
 Concen: 17.923 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion: 129 Resp: 133656
 Ion Ratio Lower Upper
 129 100
 127 78.0 40.2 120.5





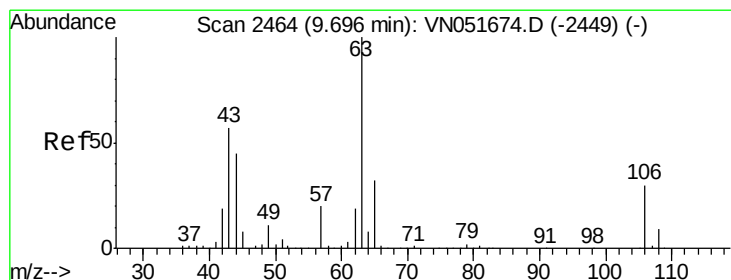
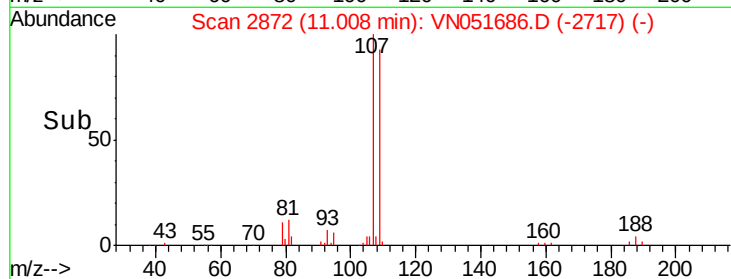
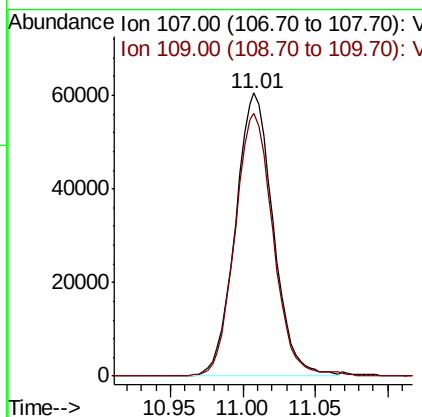
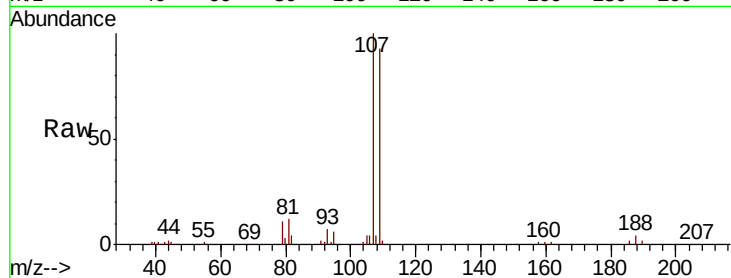
#54
 1,2-Dibromoethane
 Concen: 18.431 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	77.4	116.0

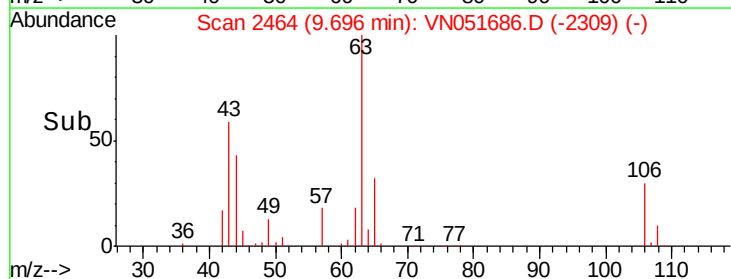
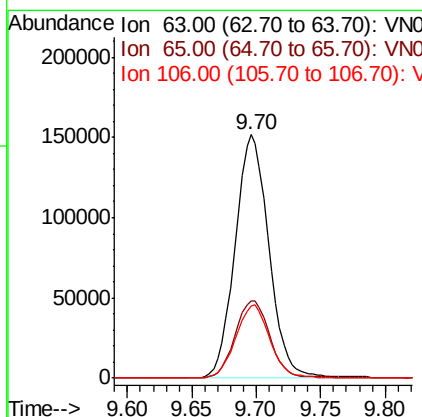
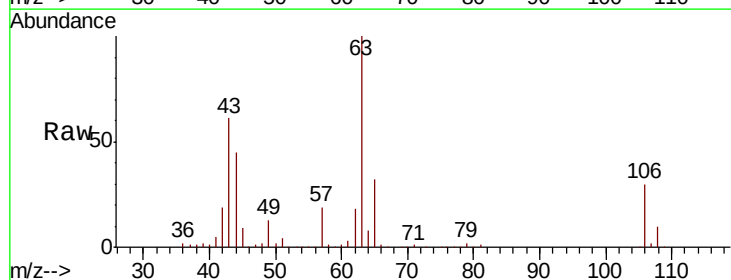
Manual Integrations
 APPROVED

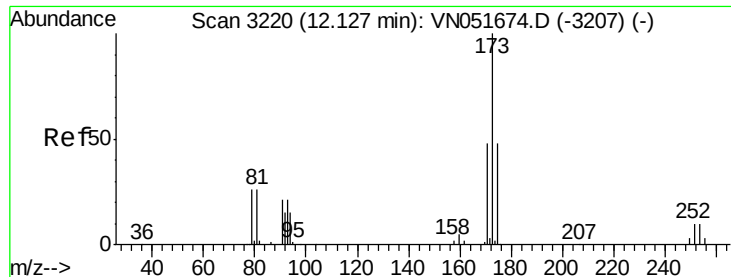
MMDadoda
 10/8/2018 3:58:51 PM



#55
 2-Chloroethyl vinyl ether
 Concen: 92.514 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.0
106	30.4	21.2	31.8





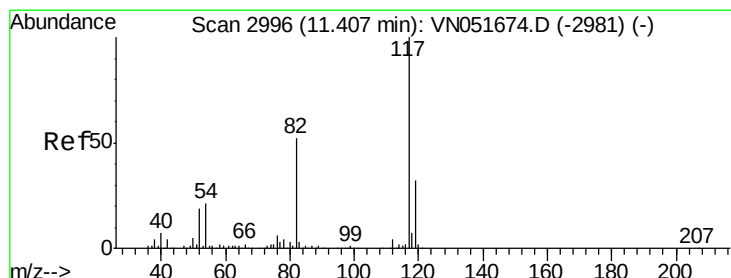
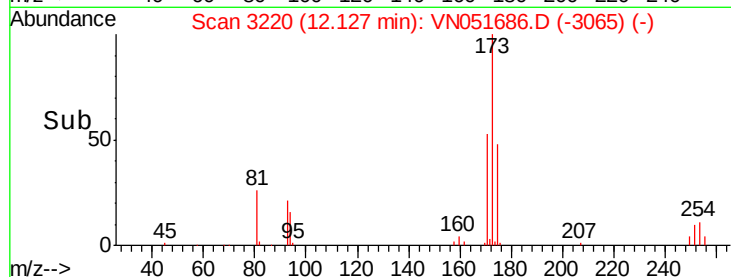
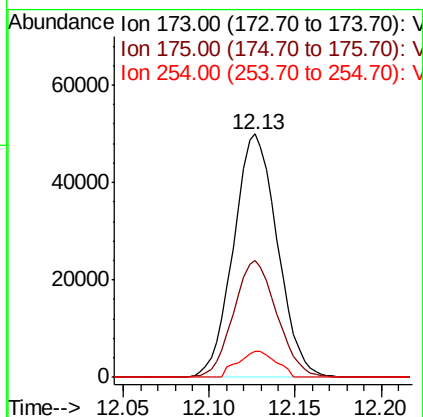
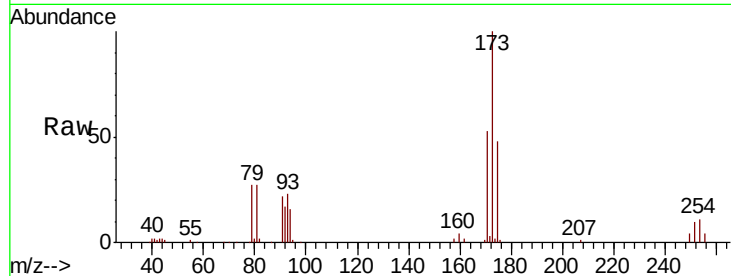
#56
Bromoform
Concen: 16.580 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	35.8	53.8
254	9.3	8.6	13.0

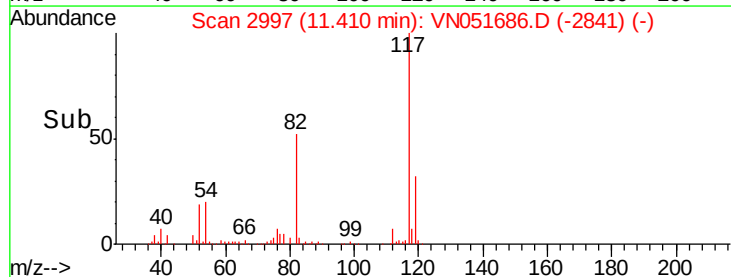
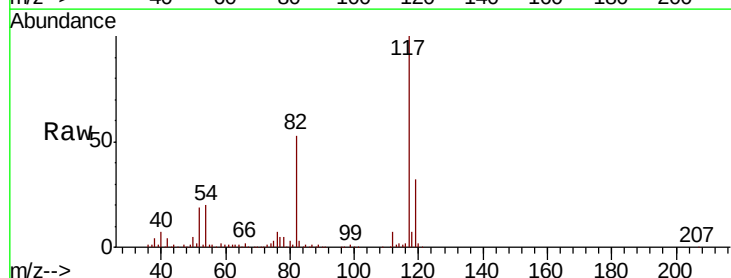
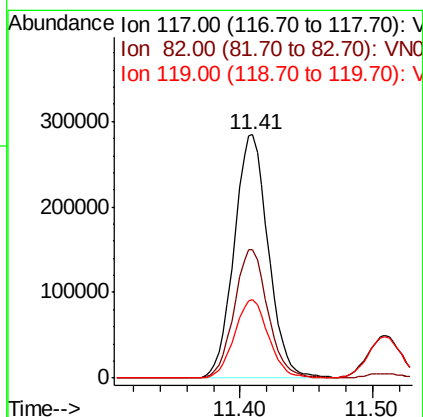
Manual Integrations
APPROVED

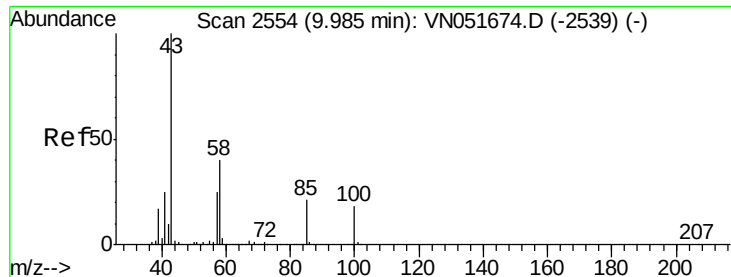
MMDadoda
10/8/2018 3:58:51 PM



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	44.1	66.1
119	32.2	25.8	38.8





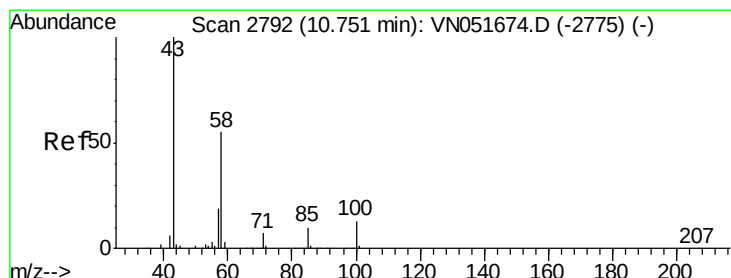
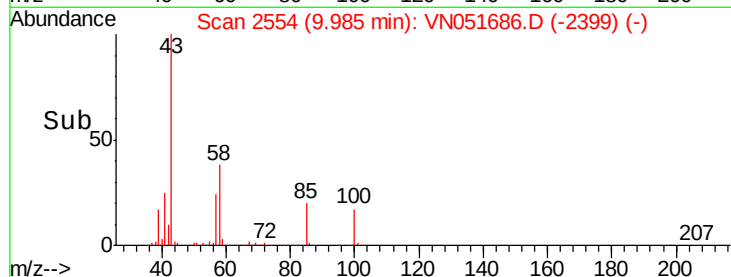
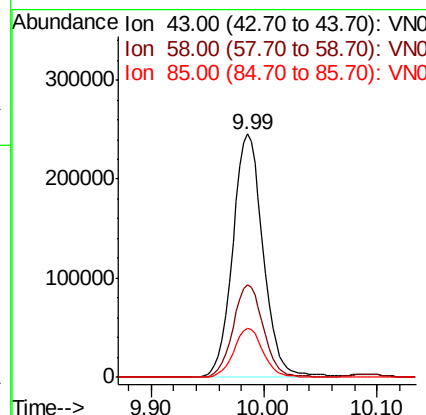
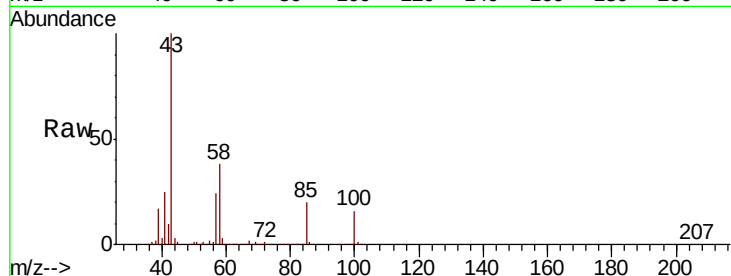
#58
 4-Methyl-2-Pentanone
 Concen: 109.119 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	29.3	43.9
85	19.6	12.6	18.8

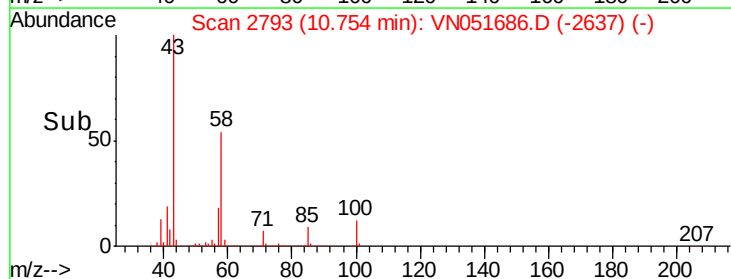
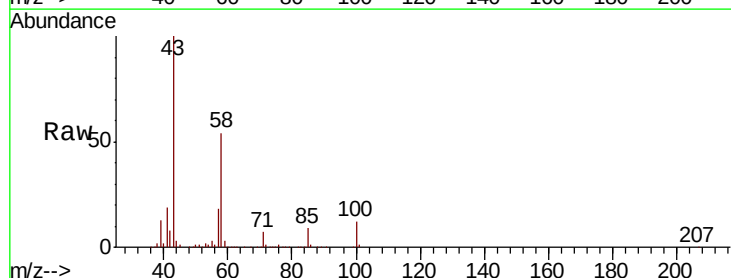
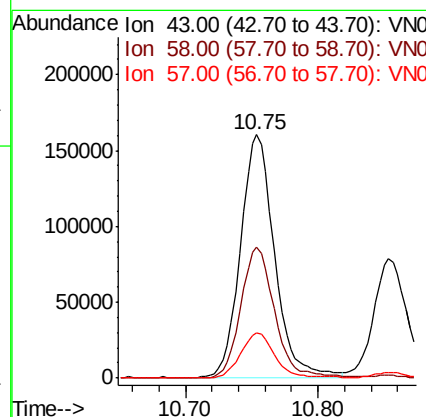
Manual Integrations
 APPROVED

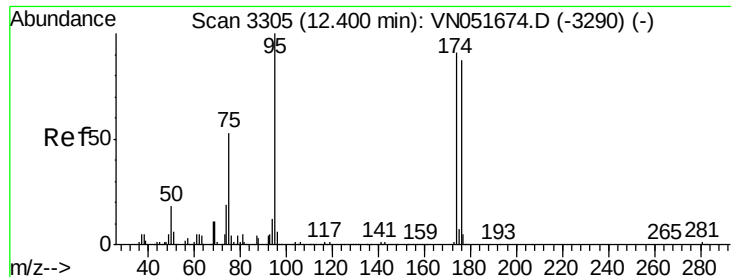
MMDadoda
 10/8/2018 3:58:51 PM



#59
 2-Hexanone
 Concen: 100.637 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.9	41.3	61.9
57	18.6	13.4	20.0





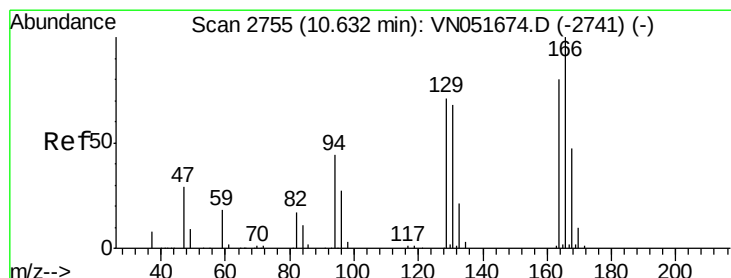
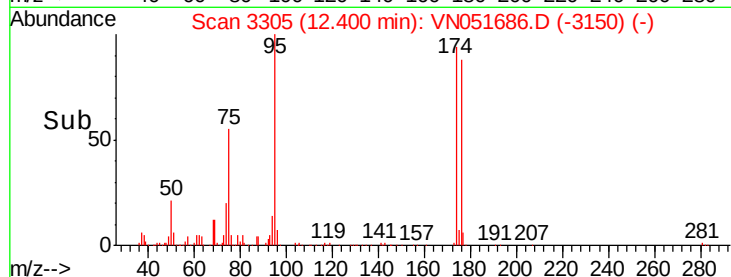
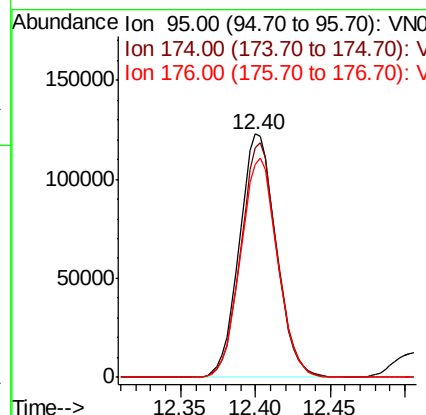
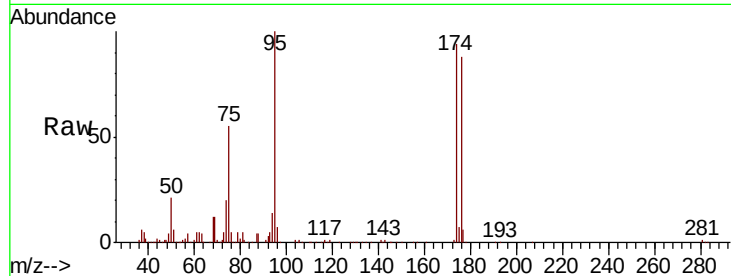
#60
4-Bromofluorobenzene
Concen: 100.637 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
95	100		
174	94.9	73.5	110.3
176	90.3	70.2	105.2

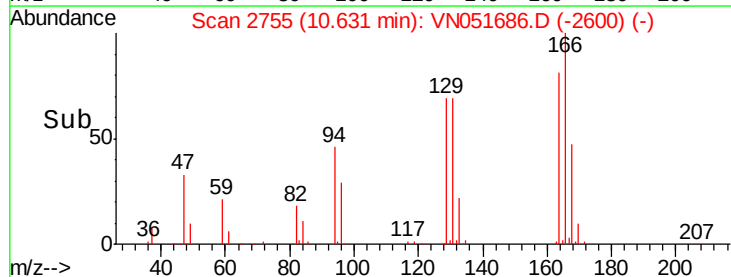
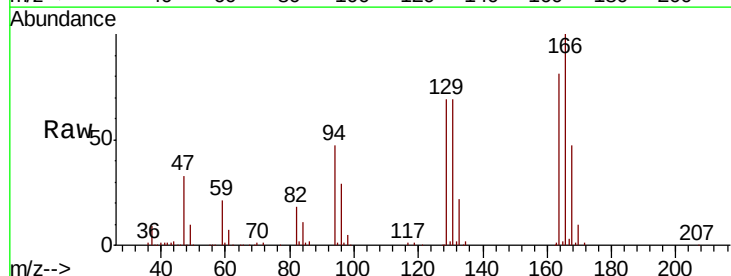
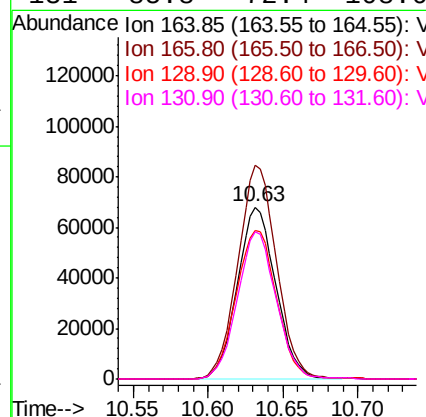
Manual Integrations
APPROVED

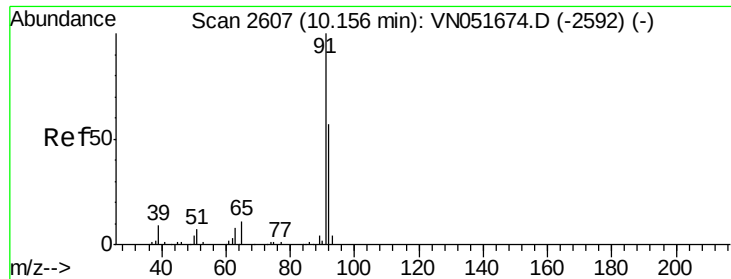
MMDadoda
10/8/2018 3:58:51 PM



#61
Tetrachloroethene
Concen: 20.329 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	98.7	148.1
129	86.2	69.6	104.4
131	85.8	72.4	108.6





#62

Toluene

Concen: 19.918 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 91 Resp: 513287

Ion Ratio Lower Upper

91 100

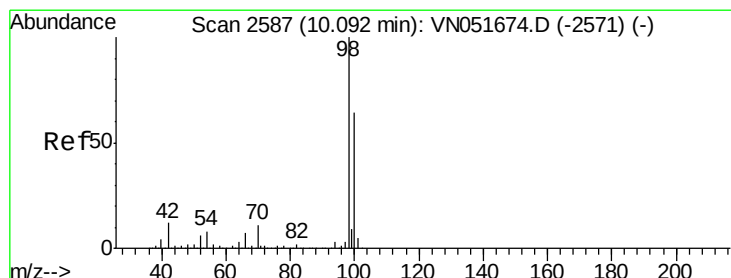
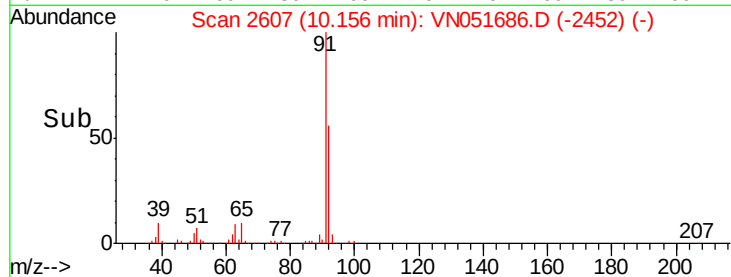
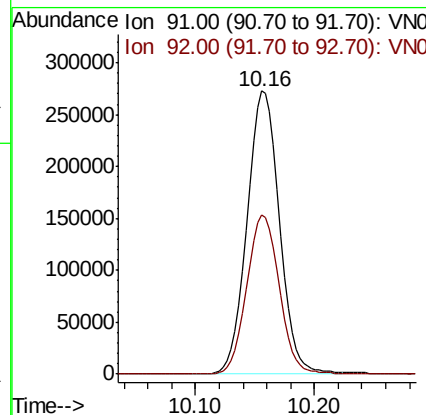
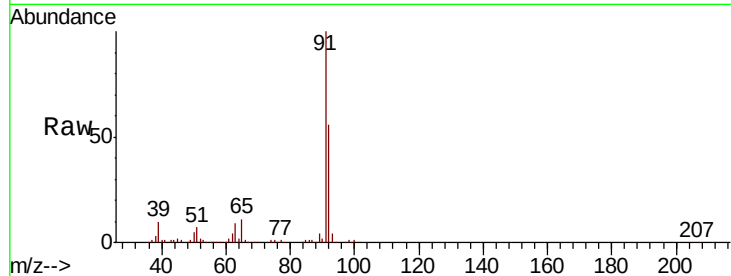
92 56.7 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#63

Toluene-d8

Concen: 19.918 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051686.D

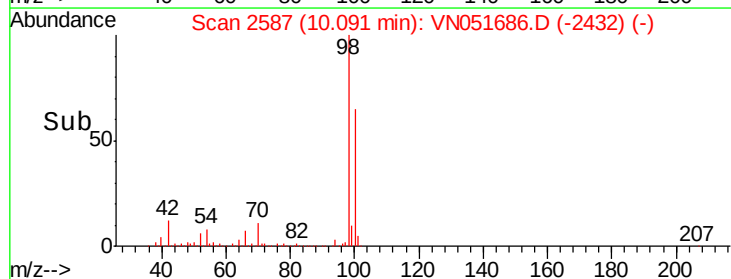
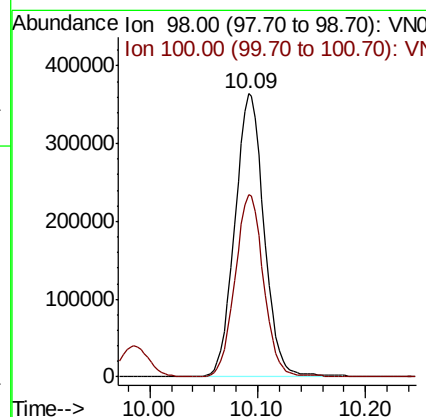
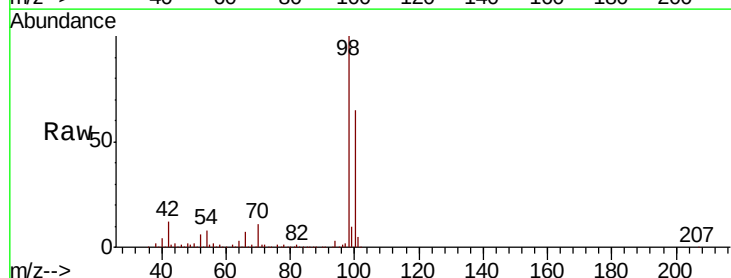
Acq: 5 Oct 2018 14:52

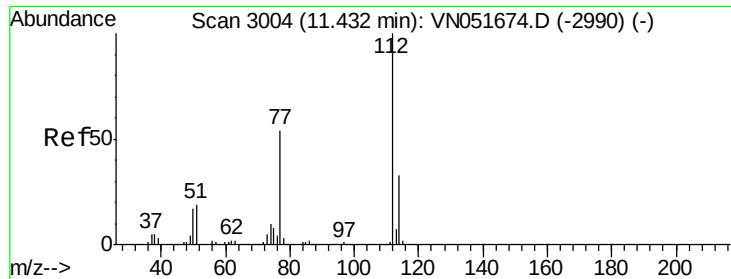
Tgt Ion: 98 Resp: 687822

Ion Ratio Lower Upper

98 100

100 63.4 50.8 76.2





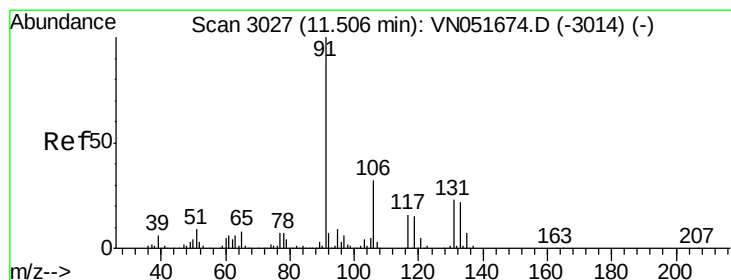
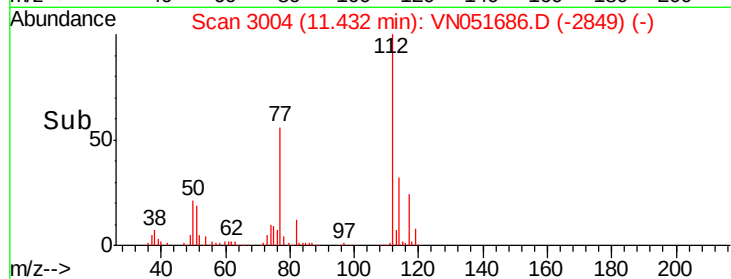
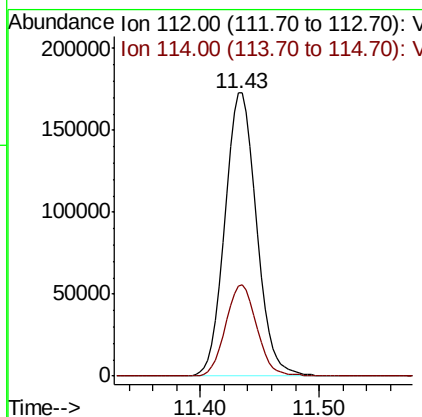
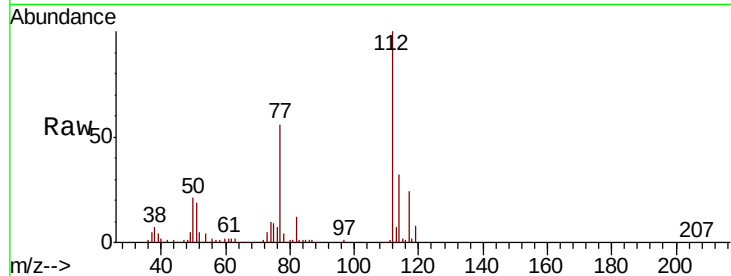
#64
Chlorobenzene
Concen: 19.320 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	27.5	41.3

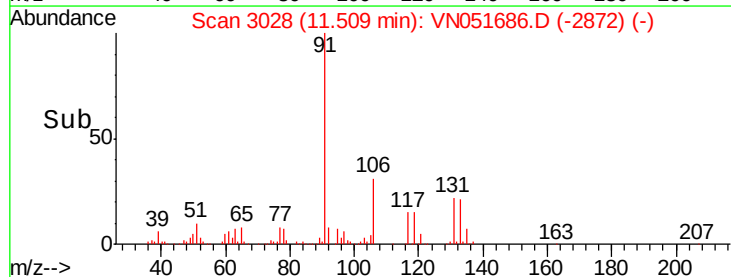
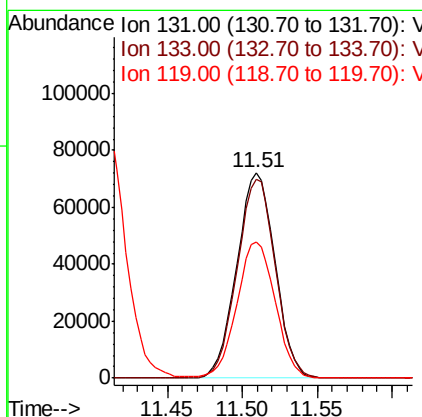
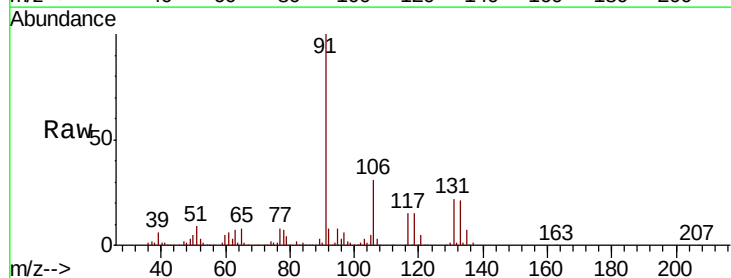
Manual Integrations
APPROVED

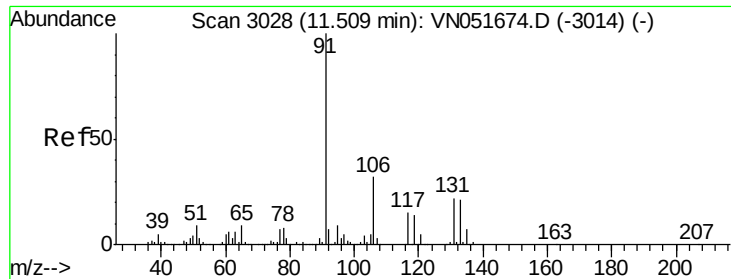
MMDadoda
10/8/2018 3:58:51 PM



#65
1,1,1,2-Tetrachloroethane
Concen: 19.072 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	190.4
119	66.4	0.0	128.0





#66

Ethyl Benzene

Concen: 19.265 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 91 Resp: 558477

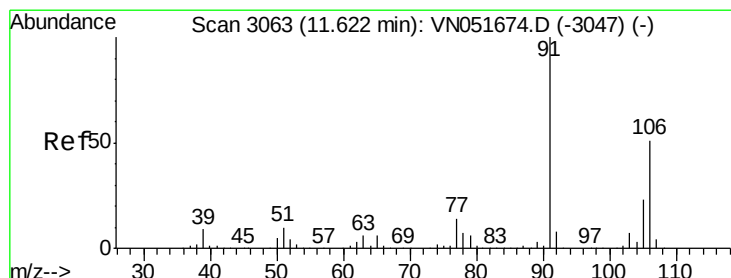
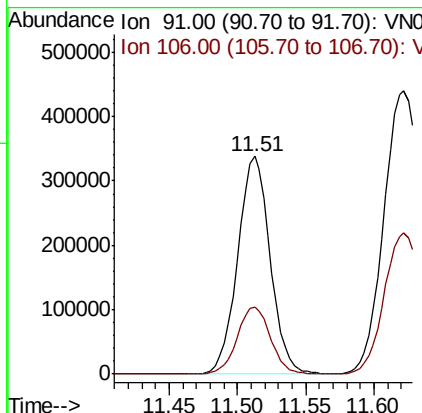
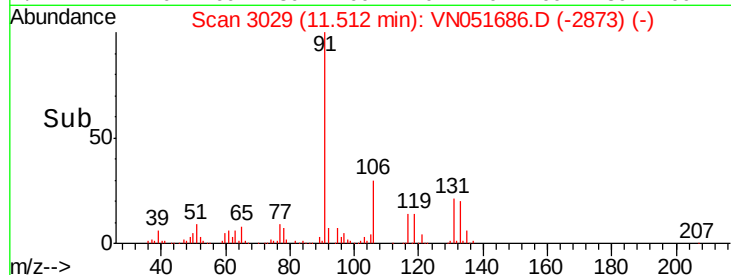
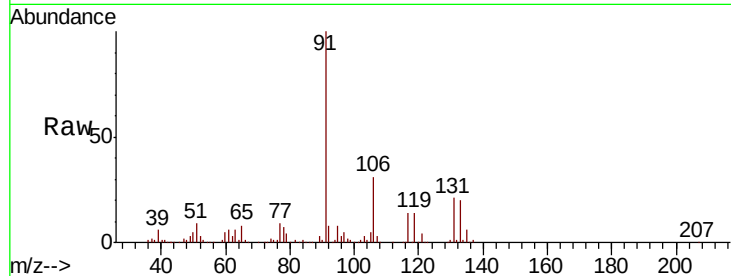
Ion Ratio Lower Upper

91 100

106 31.0 25.9 38.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 3:58:51 PM



#67

m/p-Xylenes

Concen: 36.698 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051686.D

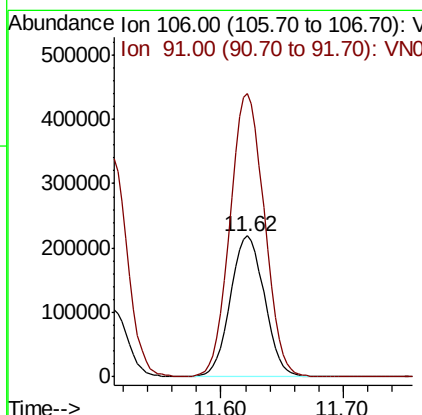
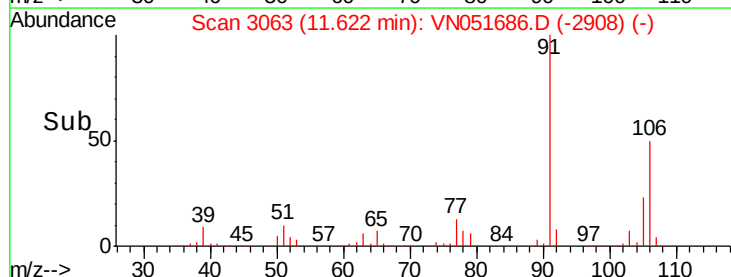
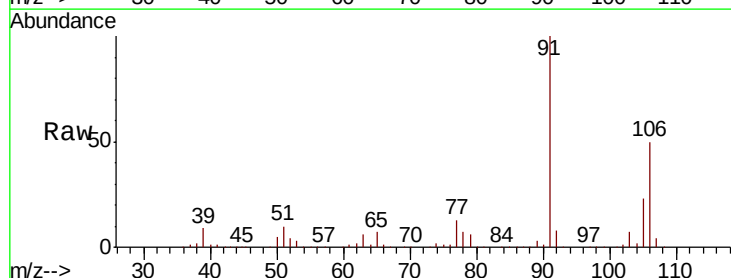
Acq: 5 Oct 2018 14:52

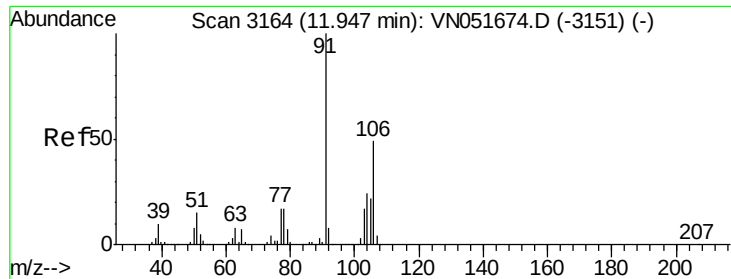
Tgt Ion: 106 Resp: 425507

Ion Ratio Lower Upper

106 100

91 201.9 158.8 238.2





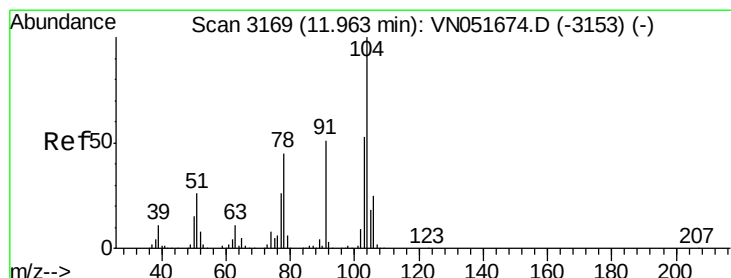
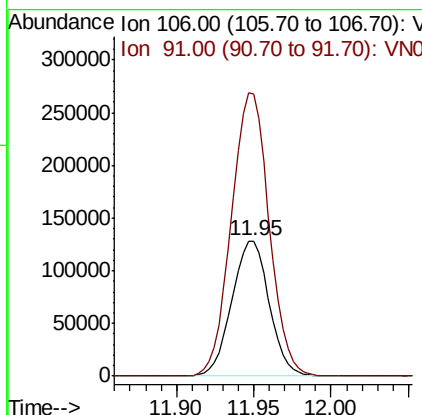
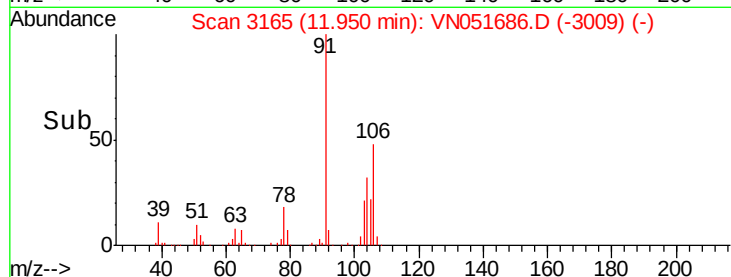
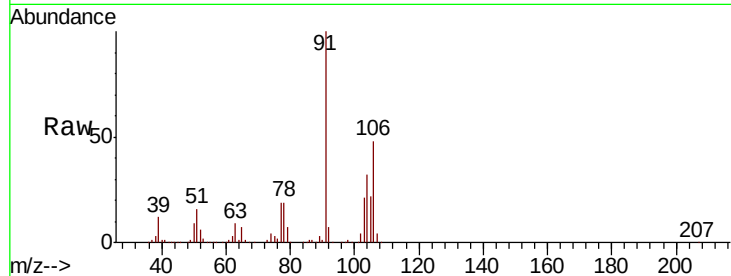
#68
o-Xylene
Concen: 18.763 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		214575		
91	212.2	111.1	333.3		

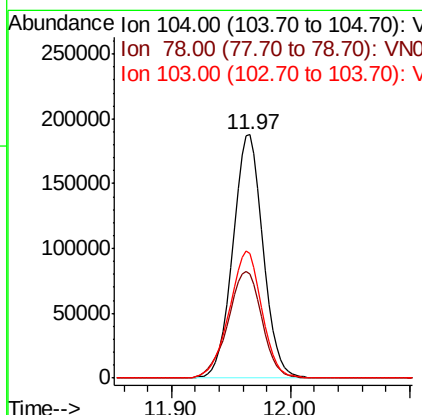
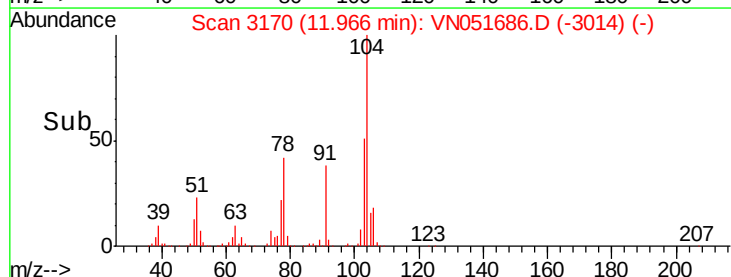
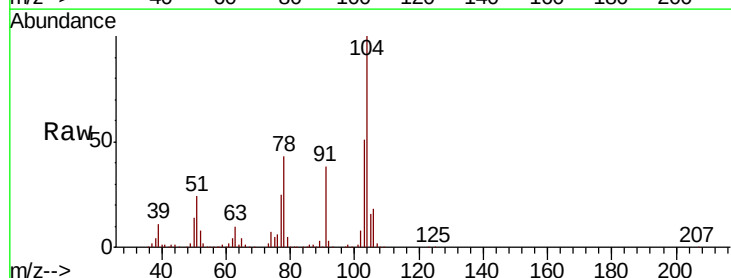
Manual Integrations
APPROVED

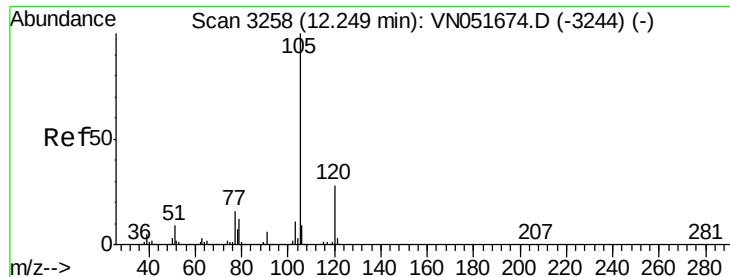
MMDadoda
10/8/2018 3:58:51 PM



#69
Styrene
Concen: 18.077 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		329851		
78	49.4	40.6	60.8		
103	56.4	44.0	66.0		





#70

Isopropylbenzene

Concen: 18.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion:105 Resp: 575836

Ion Ratio Lower Upper

105 100

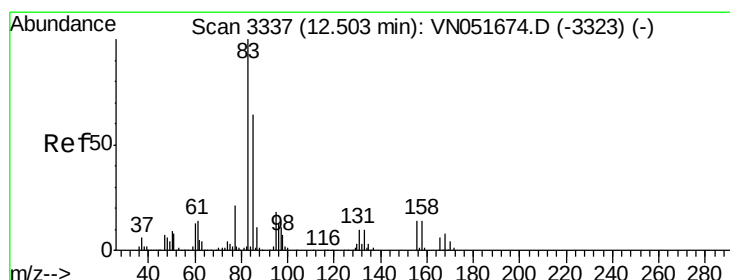
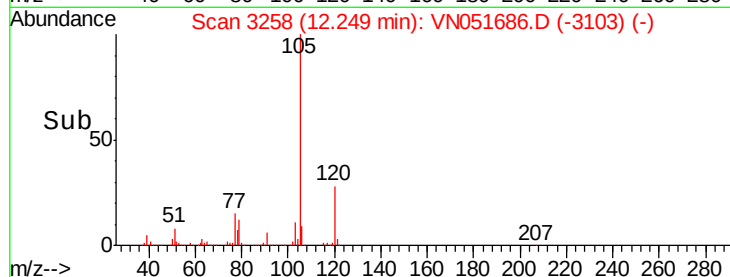
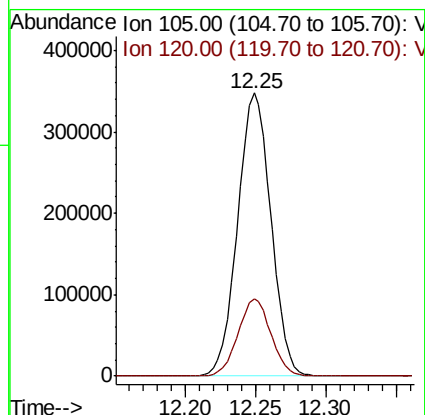
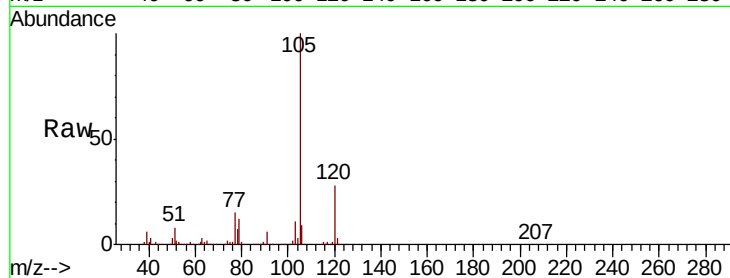
120 27.0 19.0 35.4

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#71

1,1,2,2-Tetrachloroethane

Concen: 20.024 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

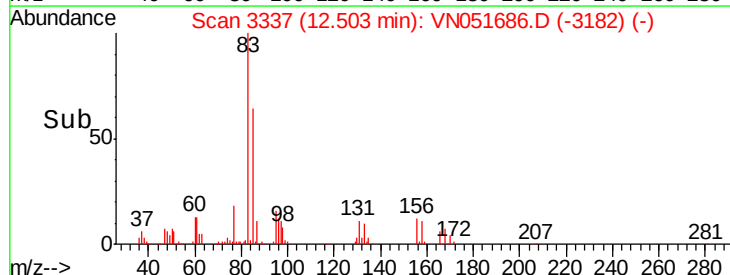
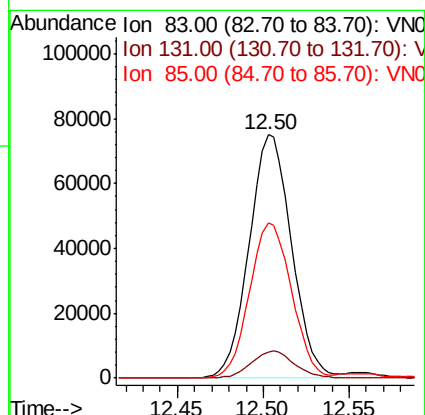
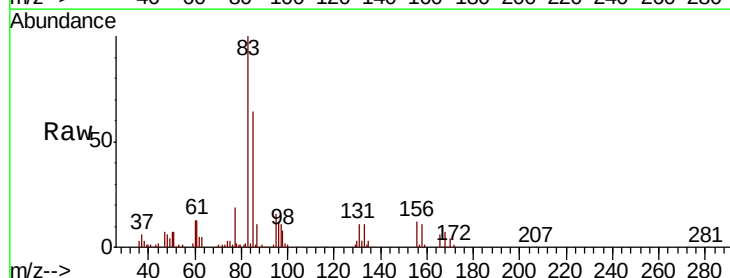
Tgt Ion: 83 Resp: 128503

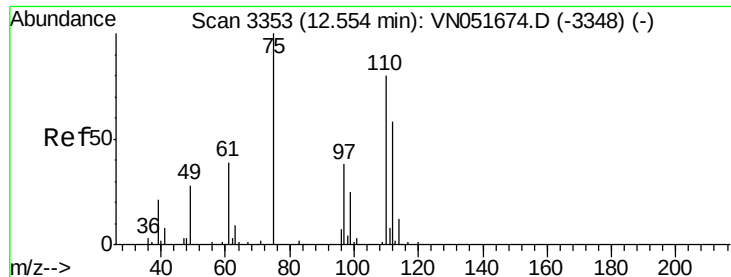
Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 63.2 30.6 91.8





#72

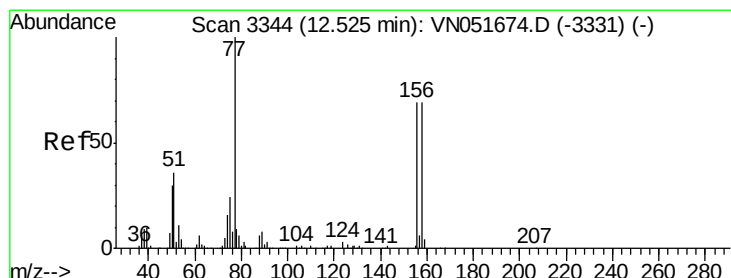
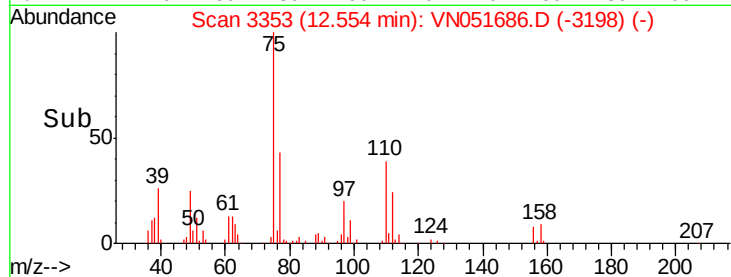
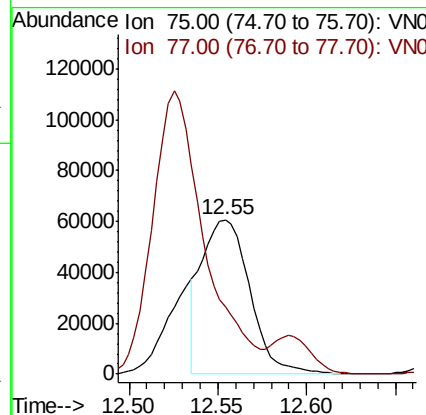
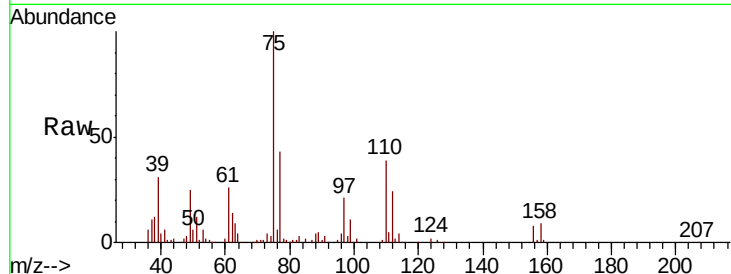
1,2,3-Trichloropropane
Concen: 22.341 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	197.4	0.0	400.0

Manual Integrations
APPROVED

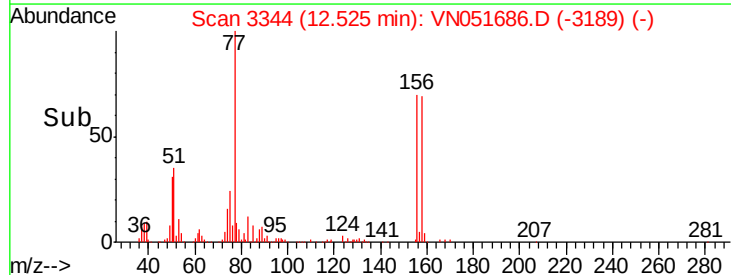
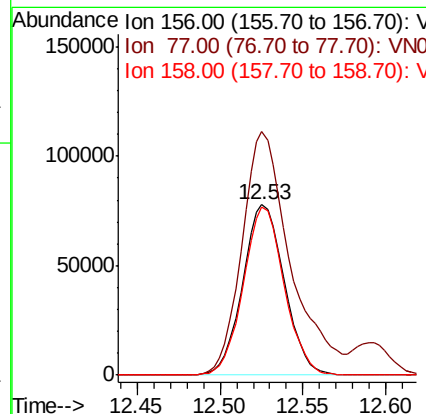
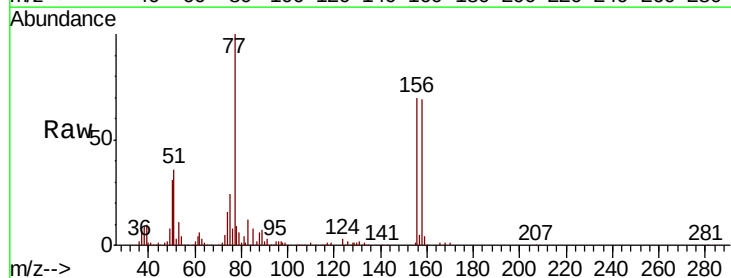
MMDadoda
10/8/2018 3:58:51 PM

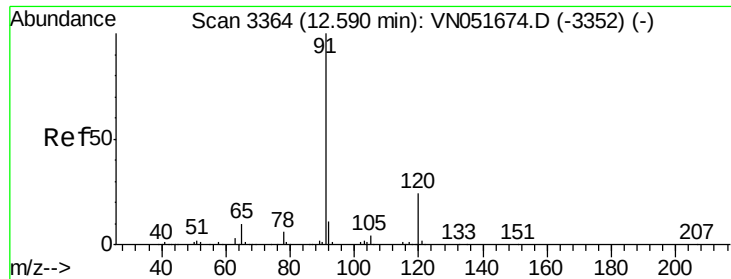


#73

Bromobenzene
Concen: 18.393 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
156	100		
77	166.1	0.0	377.4
158	96.6	0.0	203.0





#74

n-propylbenzene

Concen: 18.243 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 91 Resp: 617113

Ion Ratio Lower Upper

91 100

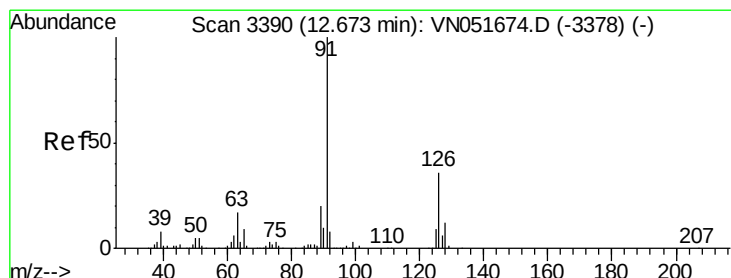
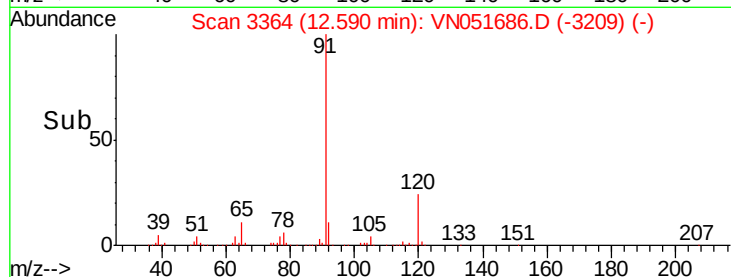
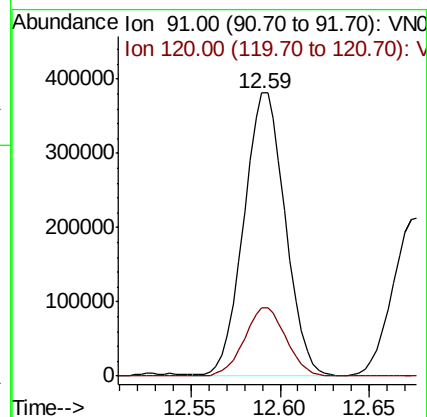
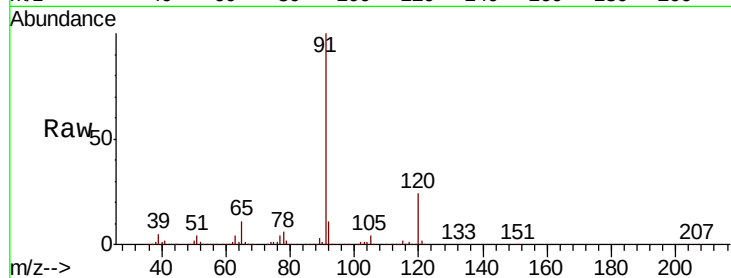
120 24.4 0.0 45.0

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#75

2-Chlorotoluene

Concen: 18.209 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051686.D

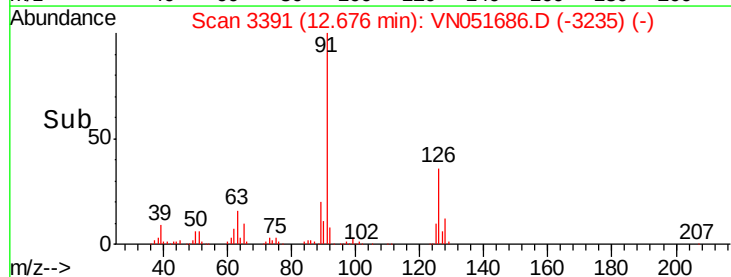
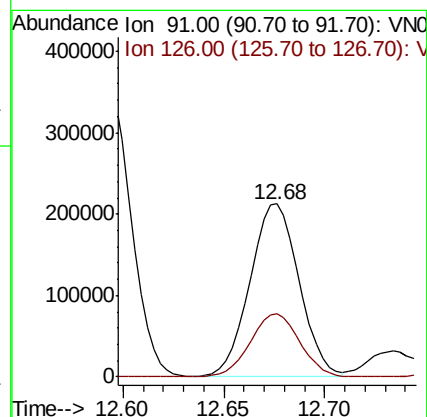
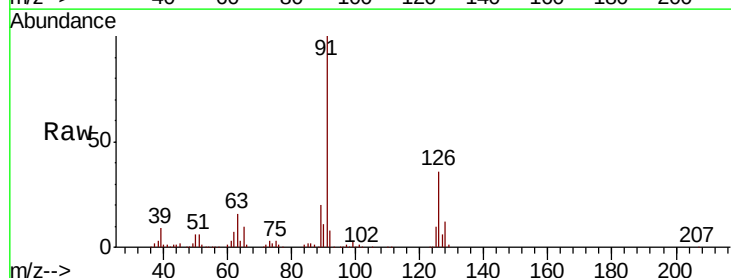
Acq: 5 Oct 2018 14:52

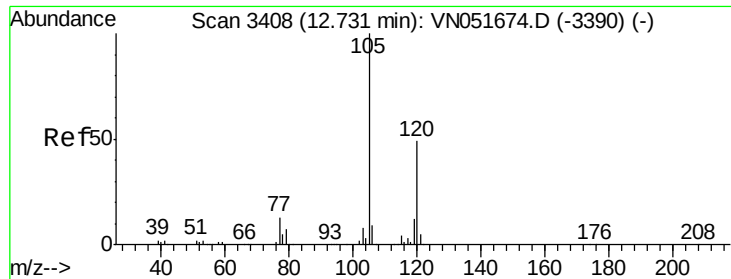
Tgt Ion: 91 Resp: 359911

Ion Ratio Lower Upper

91 100

126 37.0 0.0 67.6





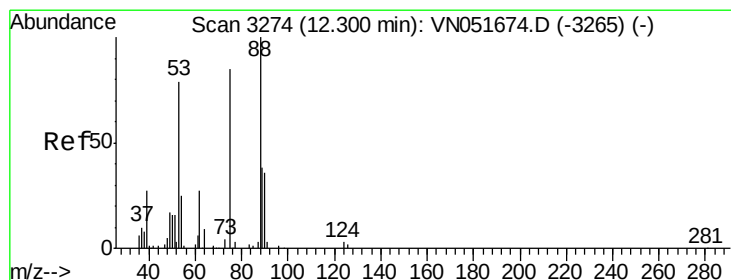
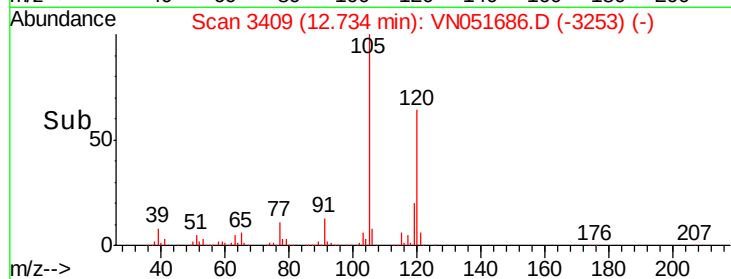
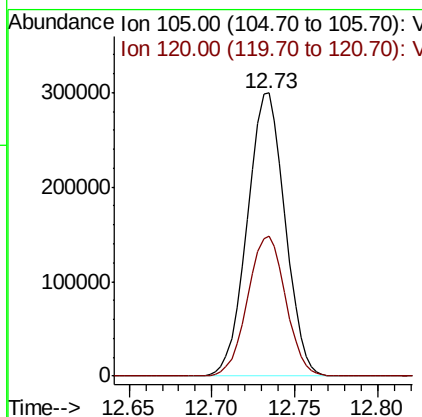
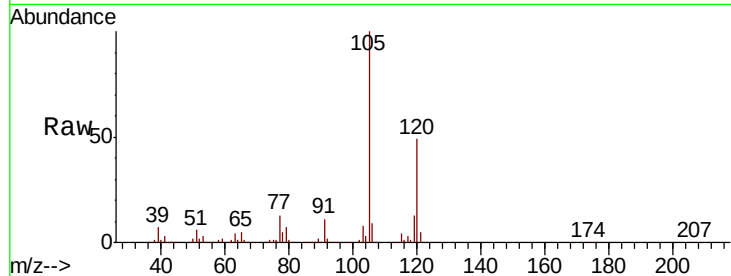
#76
 1,3,5-Trimethylbenzene
 Concen: 18.174 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	473888		
120	49.7	0.0	98.2	

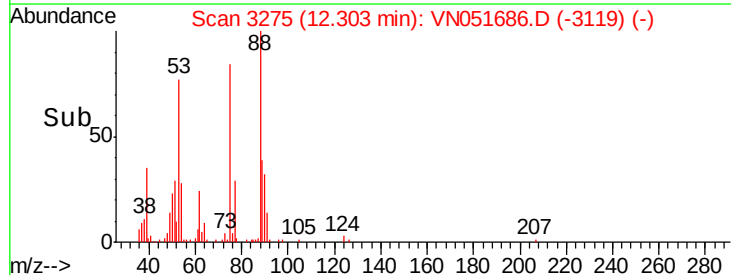
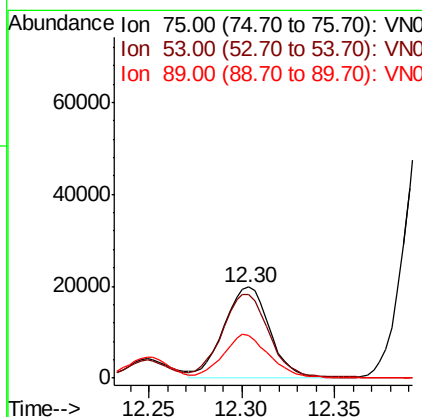
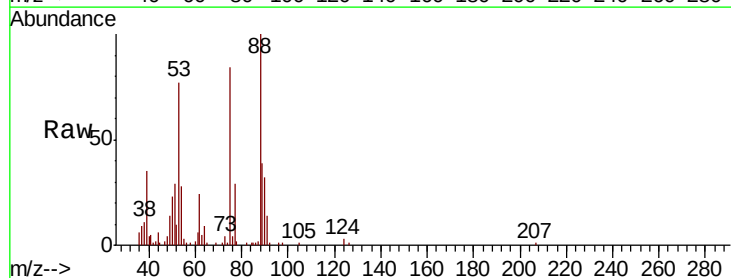
Manual Integrations
 APPROVED

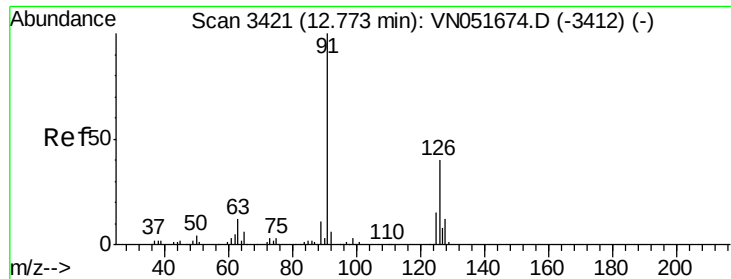
MMDadoda
 10/8/2018 3:58:51 PM



#77
 t-1,4-Dichloro-2-butene
 Concen: 17.865 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34099		
53	90.2	46.3	138.9	
89	46.4	24.6	73.8	





#78

4-Chlorotoluene

Concen: 17.402 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 91 Resp: 344721

Ion Ratio Lower Upper

91 100

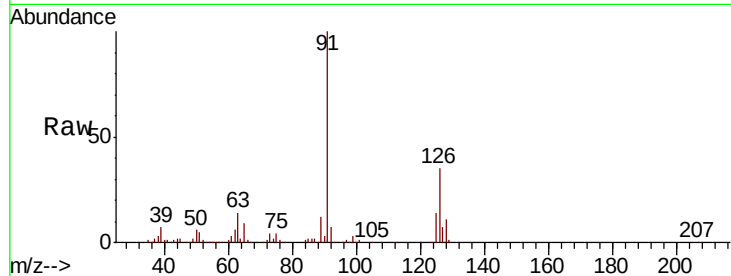
126 35.7 0.0 65.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



Abundance Ion 91.00 (90.70 to 91.70): VN051674.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN051674.D (-3412) (-)

12.77

200000

150000

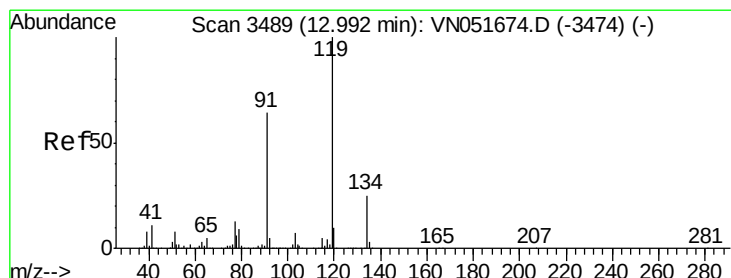
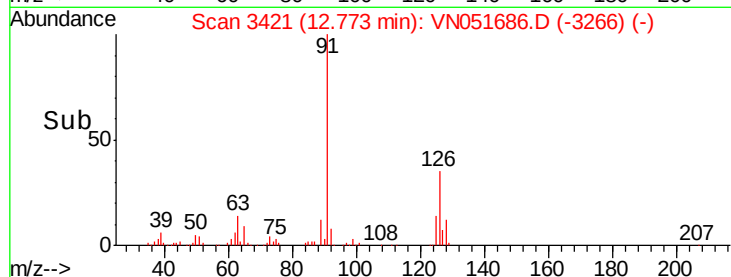
100000

50000

0

Time-->

12.70 12.75 12.80 12.85



#79

tert-butylbenzene

Concen: 18.315 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

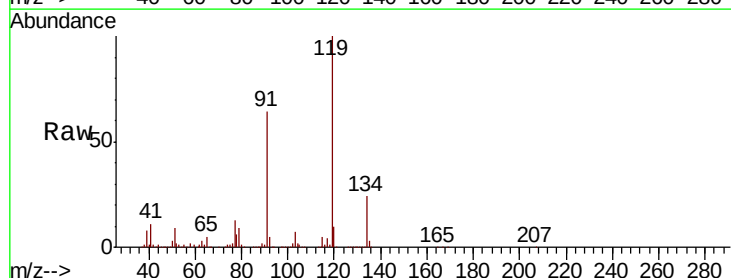
Tgt Ion: 119 Resp: 429515

Ion Ratio Lower Upper

119 100

91 63.6 0.0 131.6

134 25.9 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): VN051674.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN051674.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN051674.D (-3474) (-)

12.99

300000

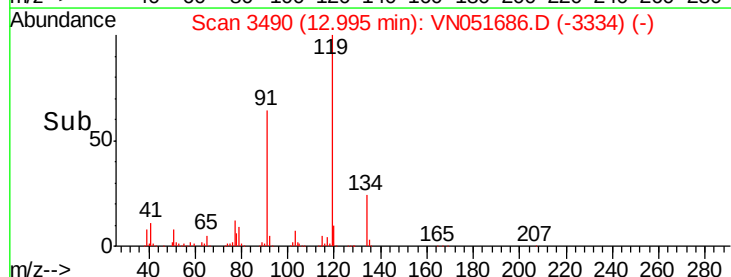
200000

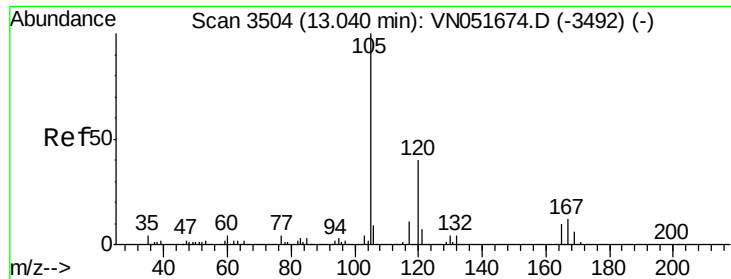
100000

0

Time-->

12.95 13.00





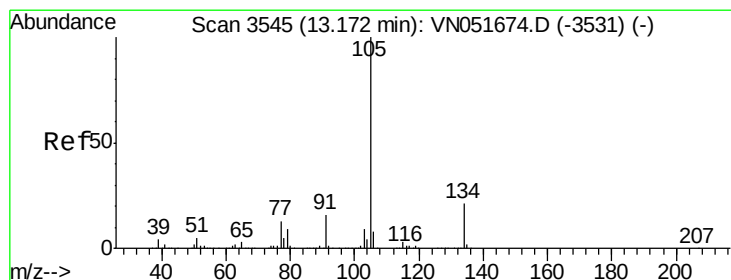
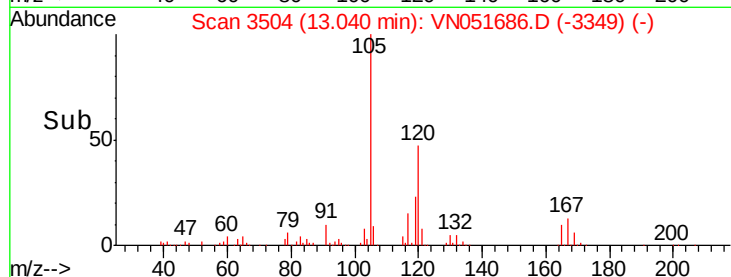
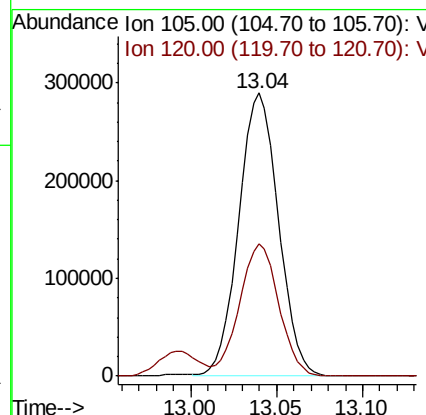
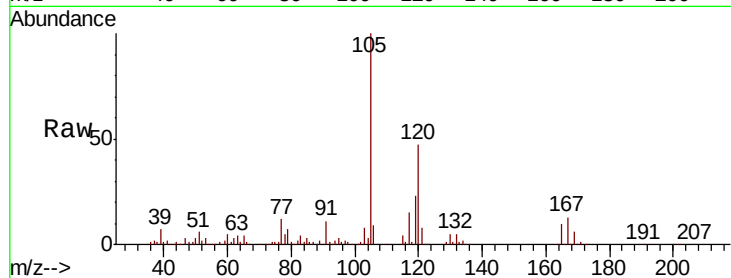
#80
 1,2,4-Trimethylbenzene
 Concen: 17.942 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	465358		
120	46.3	0.0	89.6	

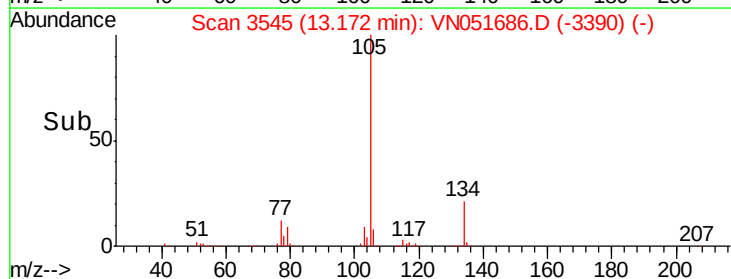
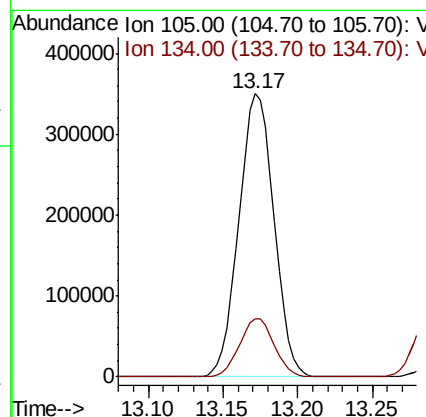
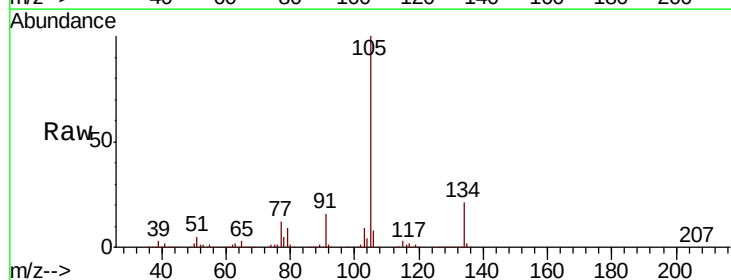
Manual Integrations
 APPROVED

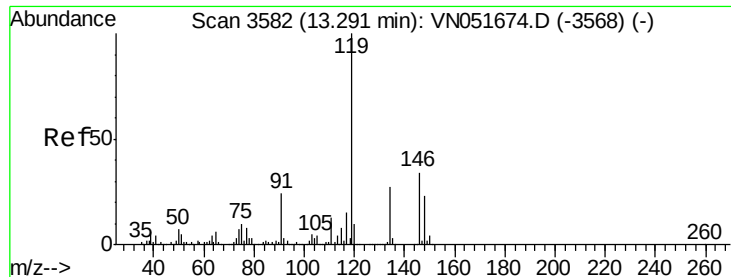
MMDadoda
 10/8/2018 3:58:51 PM



#81
 sec-Butylbenzene
 Concen: 18.234 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	572054		
134	20.4	0.0	39.4	





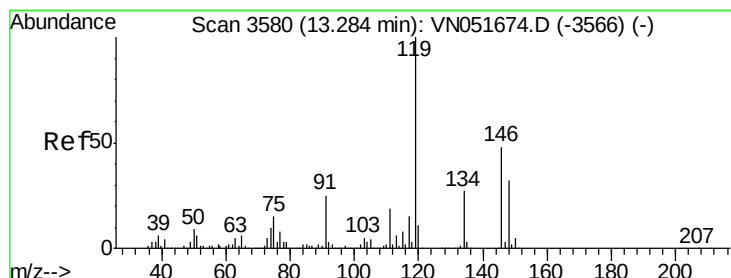
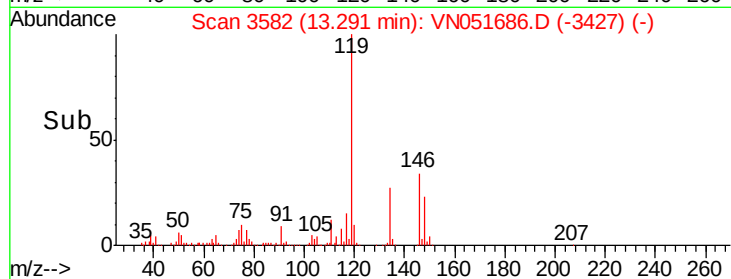
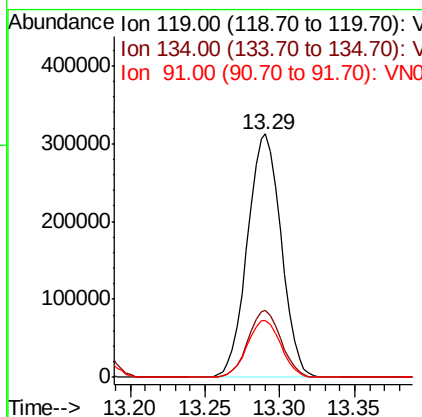
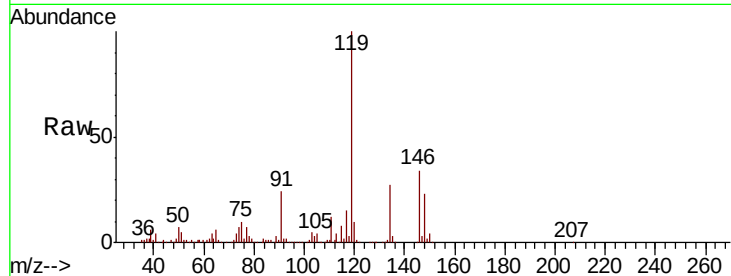
#82
 p-Isopropyltoluene
 Concen: 17.733 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490102		
134	27.0	0.0	53.6	
91	23.4	0.0	52.0	

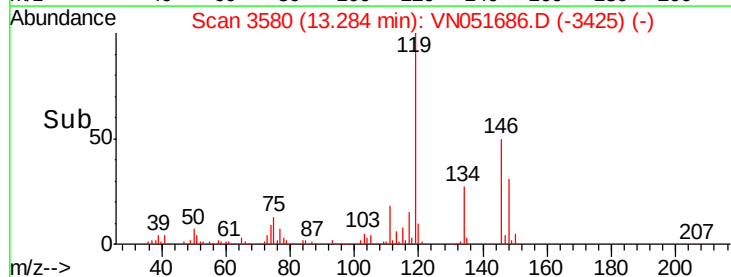
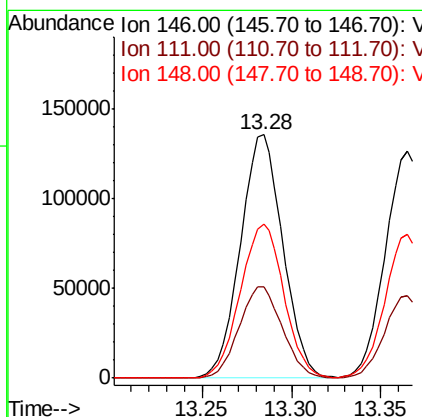
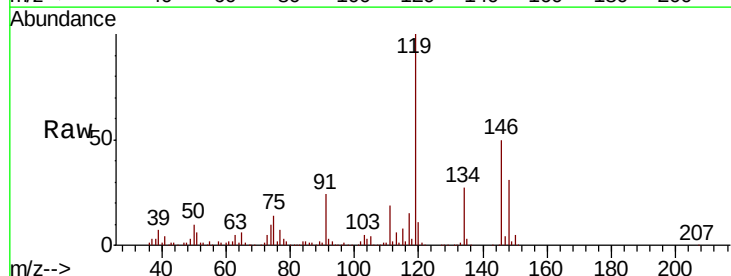
Manual Integrations
 APPROVED

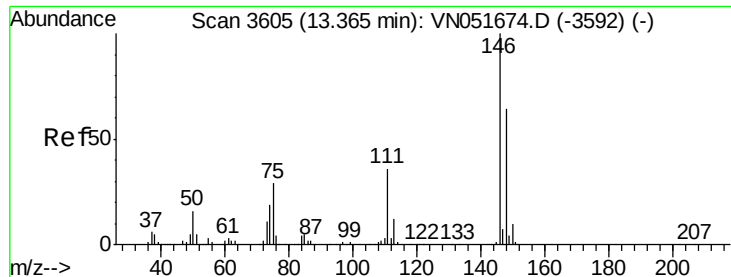
MMDadoda
 10/8/2018 3:58:51 PM



#83
 1,3-Dichlorobenzene
 Concen: 17.115 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	226211		
111	38.2	18.1	54.3	
148	64.8	31.3	93.8	





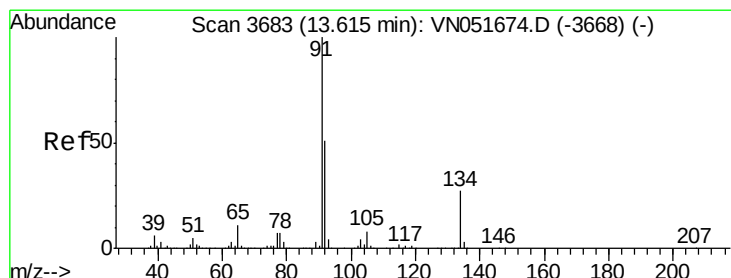
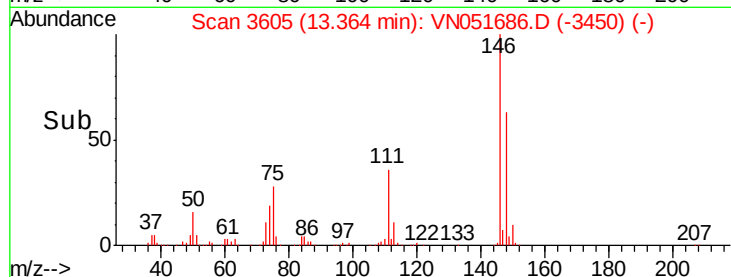
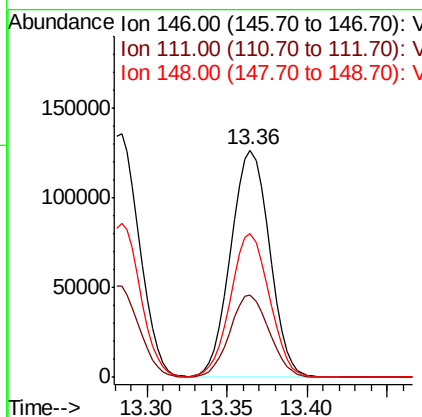
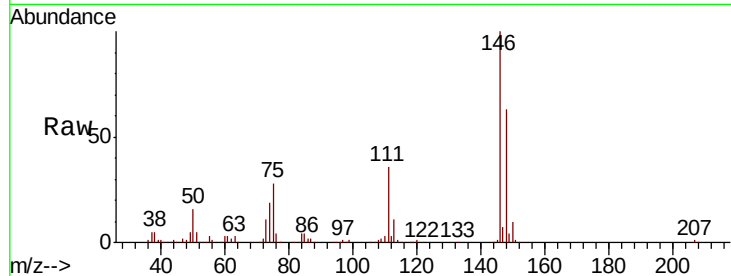
#84
 1,4-Dichlorobenzene
 Concen: 16.625 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.4	52.2
148	63.4	32.8	98.3

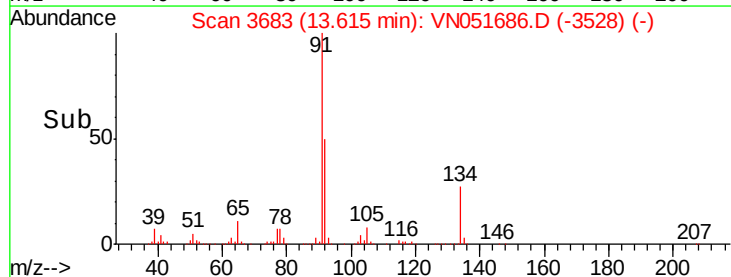
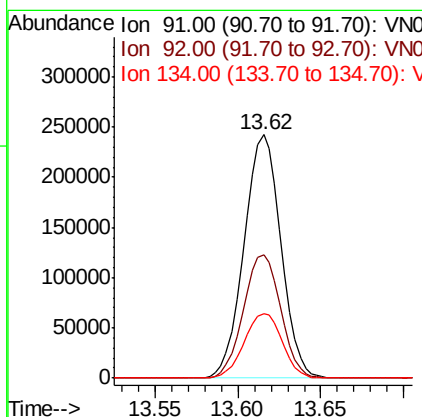
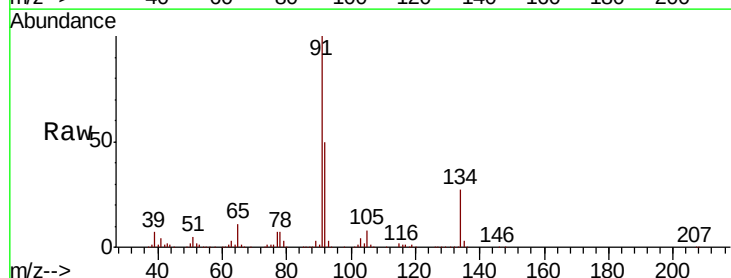
Manual Integrations
 APPROVED

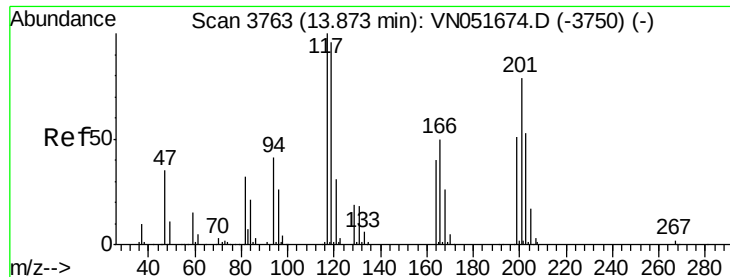
MMDadoda
 10/8/2018 3:58:51 PM



#85
 n-Butylbenzene
 Concen: 17.227 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	0.0	97.4
134	27.3	0.0	49.6





#86

Hexachloroethane

Concen: 18.568 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion:117 Resp: 101535

Ion Ratio Lower Upper

117 100

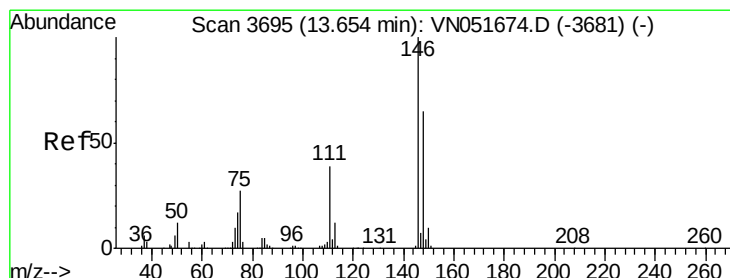
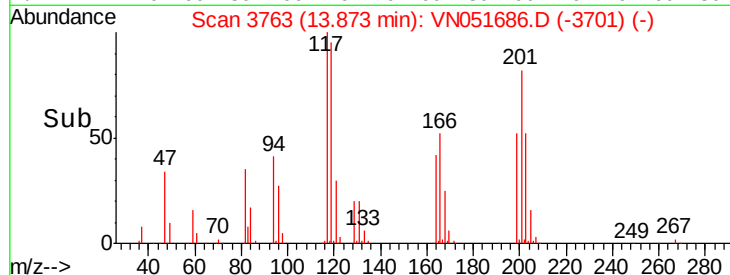
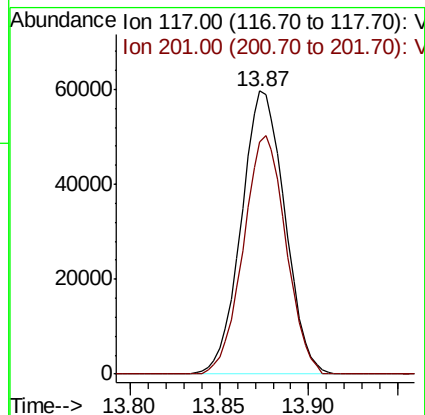
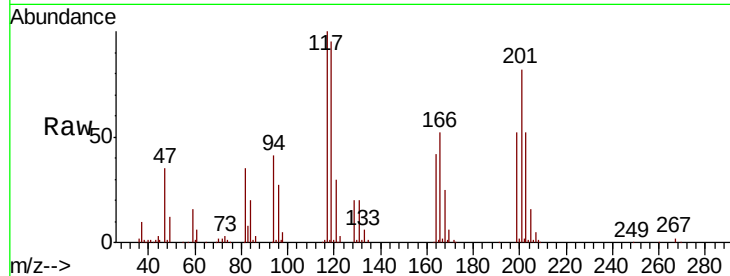
201 82.1 47.8 143.3

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#87

1,2-Dichlorobenzene

Concen: 17.330 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

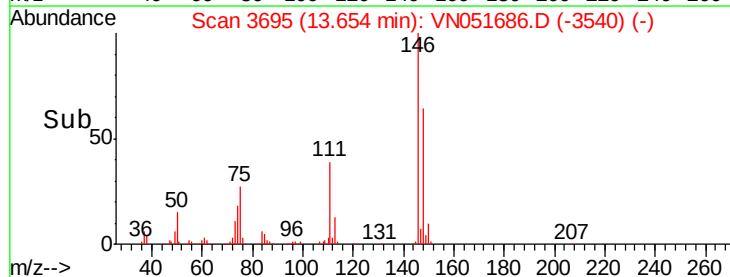
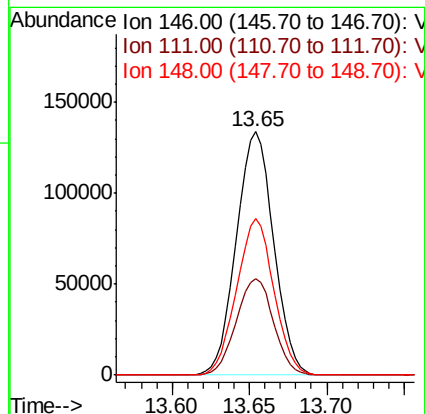
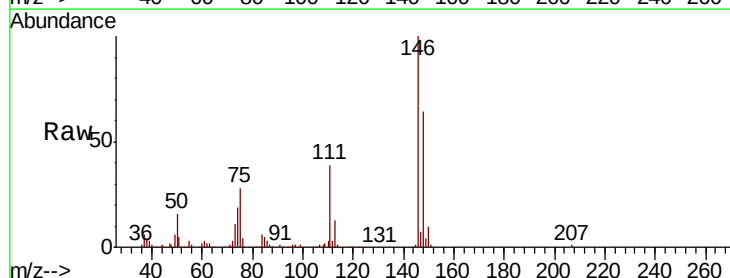
Tgt Ion:146 Resp: 224444

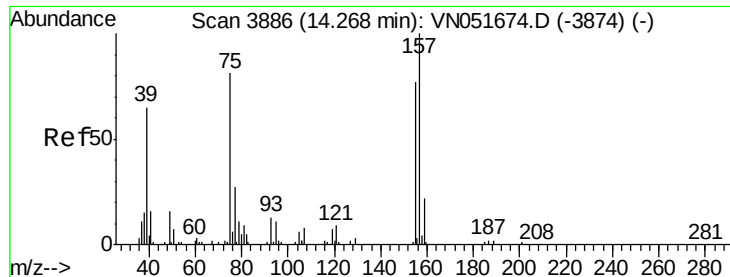
Ion Ratio Lower Upper

146 100

111 39.6 20.8 62.2

148 64.0 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.397 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

Instrument :

MSVOA_N

ClientSampleId :

VN1005WBSD01

Tot Ion: 75 Resp: 20496

Ion Ratio Lower Upper

75 100

155 94.3 57.0 85.6#

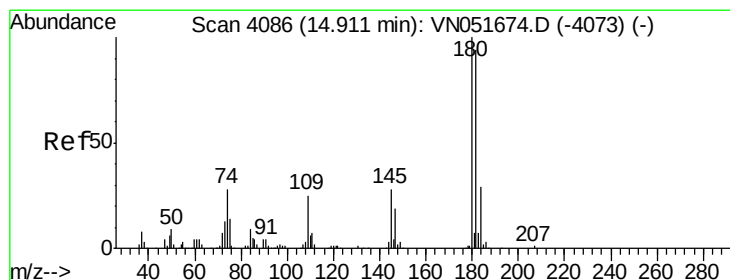
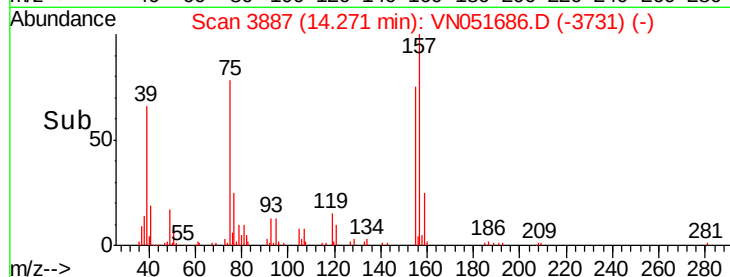
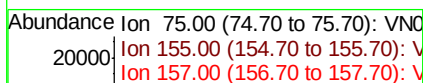
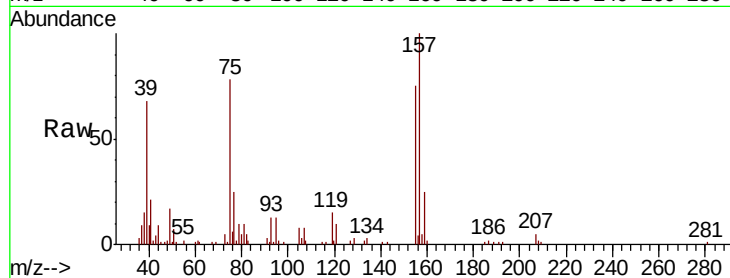
157 118.2 87.4 131.0

Manual Integrations

APPROVED

MMDadoda

10/8/2018 3:58:51 PM



#89

1,2,4-Trichlorobenzene

Concen: 17.967 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051686.D

Acq: 5 Oct 2018 14:52

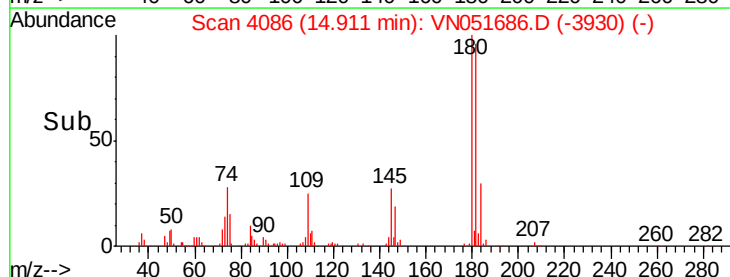
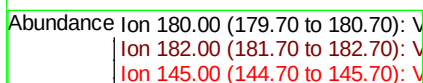
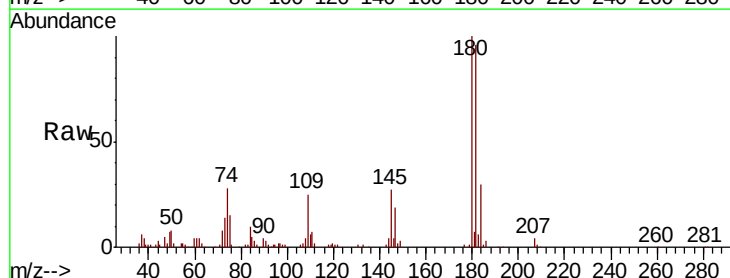
Tgt Ion: 180 Resp: 87766

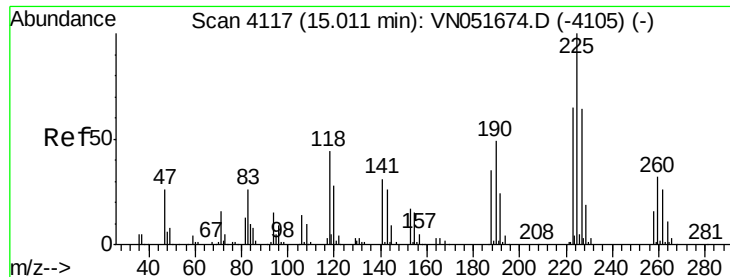
Ion Ratio Lower Upper

180 100

182 95.2 77.7 116.5

145 29.1 23.4 35.2





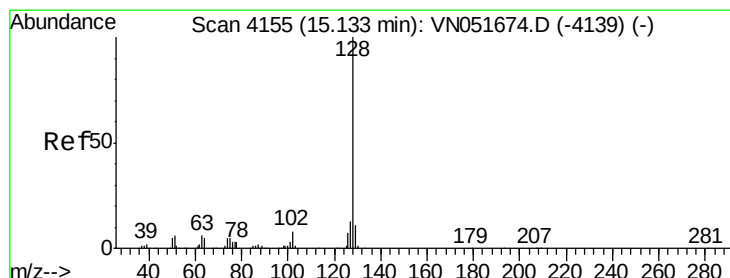
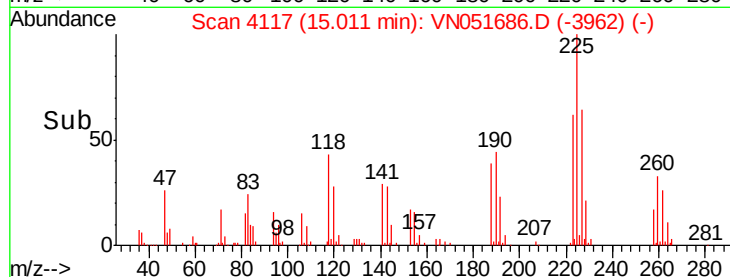
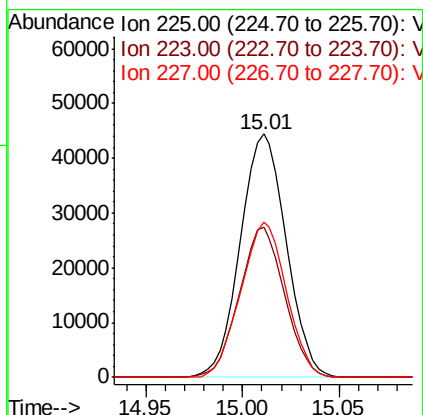
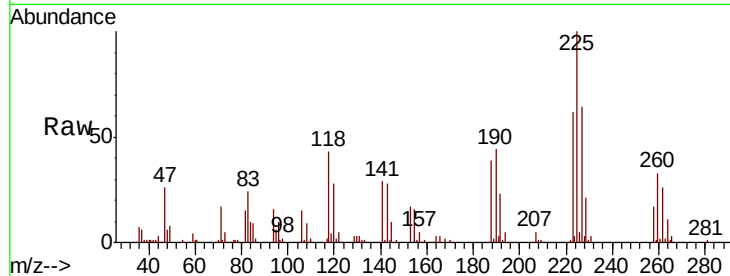
#90
Hexachlorobutadiene
Concen: 18.618 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Instrument :
MSVOA_N
ClientSampleId :
VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
225	100		
223	60.8	0.0	117.0
227	63.4	0.0	127.0

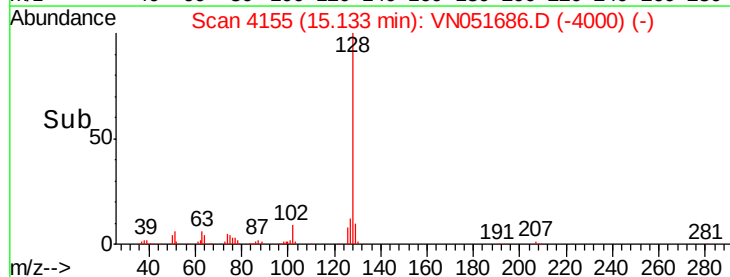
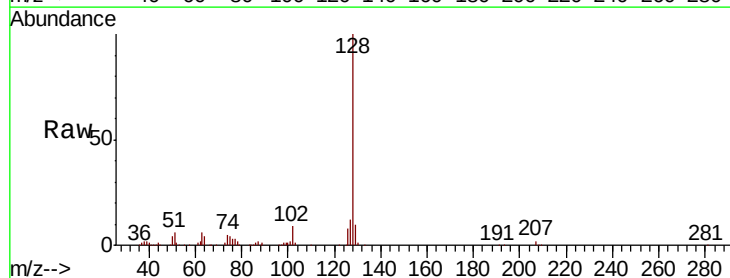
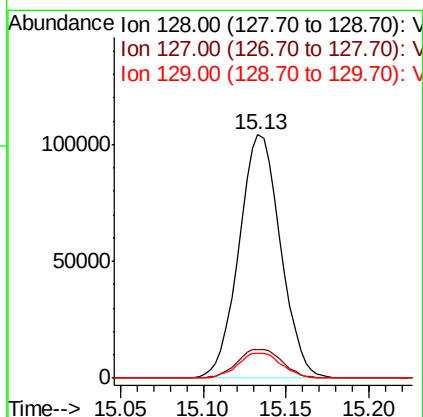
Manual Integrations
APPROVED

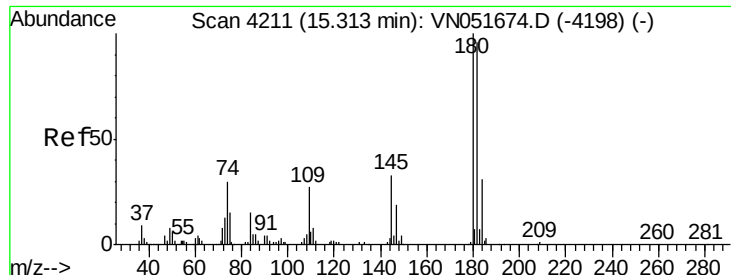
MMDadoda
10/8/2018 3:58:51 PM



#91
Naphthalene
Concen: 14.813 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051686.D
Acq: 5 Oct 2018 14:52

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.4	12.6





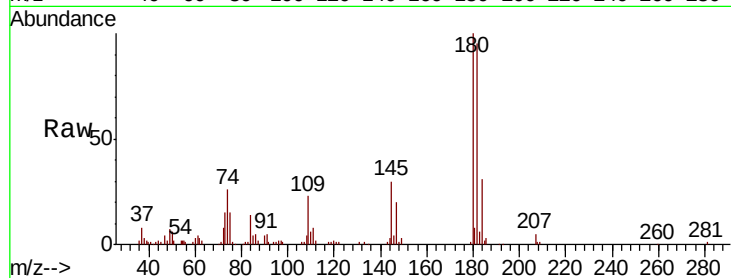
#92
 1,2,3-Trichlorobenzene
 Concen: 16.403 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051686.D
 Acq: 5 Oct 2018 14:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1005WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	198.0
145	31.3	0.0	36.8

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:51 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

